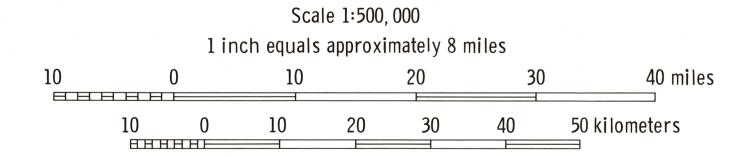


This map is produced by the Kansas Geological Survey, with additional support from the U.S. Geological Survey, the U.S. Nuclear Regulatory Commission, and the Department of Energy.



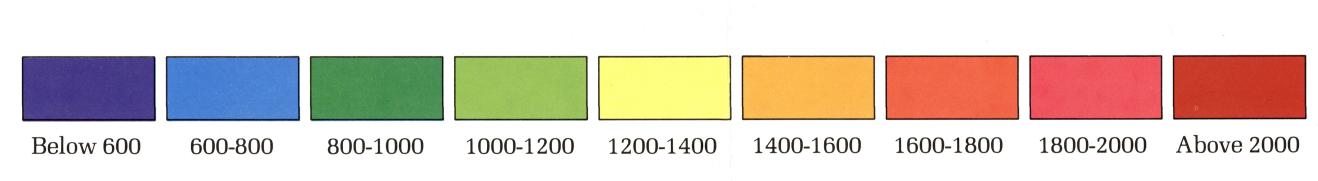
This map is based on aeromagnetic measurements made during 1975 to 1979. The total intensity of the Earth's magnetic field was measured at approximately 400-foot intervals along the aircraft's flight path, using a proton precession magnetometer having a sensitivity of ± 1 gamma. Absolute total intensity was converted to relative total intensity by subtracting the International Geo-magnetic Reference Field (1975). Flight lines were flown east-west at a two-mile spacing, and north-south at a twenty-mile spacing. A map of flight paths is available at a scale of 1:500,000.

This map was published using the facilities of the Automated Cartography Laboratory of the Kansas Geological Survey. Flight corrections, contouring, and projection were performed by computer. Digitizing, editing, and production of master negatives for four-color printing were performed using the GIMMAP software developed jointly by the Kansas Geological Survey and the Bureau de Recherches Geologiques et Minieres, Orleans,

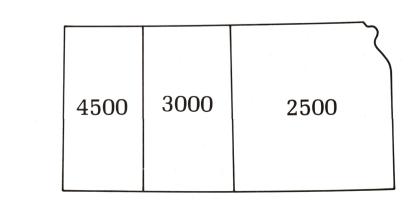
KANSAS

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MAP M-16 Relative total intensity of the Earth's magnetic field, in gammas Contour interval 50 gammas Lambert conformal conic projection with standard parallels of 33° and 45°



Relative total intensity in gammas



Flight altitude in feet above sea level