

EXPLANATION

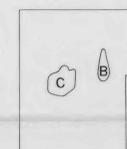


Magnetic contours showing total intensity of magnetic field of the earth, in gammas, relative to arbitrary datum.
Hatched to indicate closed areas of lower magnetic intensity, dashed where data are incomplete.

Measured maximum or minimum intensity within closed high or closed low

Flight path
Showing location and spacing of data

NOTE
Aeromagnetic data are obtained and compiled along a continuous line, whereas ground magnetic surveys are made at separate points. Errors within the normal limits of any magnetic measurement may cause slight discrepancies between flight lines in an aeromagnetic map which would be more obvious than similar discrepancies between points in a ground magnetic map. For this reason as much care should be exercised in evaluating magnetic features that appear as elongations along a single aeromagnetic traverse as in interpreting an anomaly indicated by a single ground station.



A—Flown in 1957 under the direction of J. R. Henderson at a barometric elevation of 2500 ft.
B—Flight elevations in this area vary from 500 to 1500 ft above ground level because of precipitous topography.
C—Flown at 3500 ft barometric elevation.

Base map from U.S. Geological Survey 250,000 series quadrangles: Chattanooga, 1944; Corbin, 1956; Johnson City, 1957; and Knoxville, 1951.

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1963
Aeromagnetic survey flown at 1500 feet above ground level in 1959 except where noted. Map compiled by Frank Petraso.

AEROMAGNETIC MAP OF PART OF EASTERN TENNESSEE AND SOUTHERN KENTUCKY

