DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH
THE COMMONWEALTH OF PENNSYLVANIA, DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF TOPOGRAPHIC AND GEODETIC SURVEY

OPEN-FILE
Report No. 74-14

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For the Pittsburgh quadrangle:
Principal facts of the IGRF field
Inclination 71°N
Declination 7°W
Total intensity 57100 Gammas
Gradient East −1.7 Gammas/Mile
Gradient North 7.8 Gammas/Mile

INDEX OF MAP OF PENNSYLVANIA SHOWING LOCATION OF AEROMAGNETIC MAPS OPEN FILED IN 1974. AREA OF THIS REPORT SHADED.

1. Cleveland and Erie
2. Warren and Buffalo
3. Pittsburgh and Cumberland
4. Williamsport
5. Harrisburg and Baltimore
6. Scranton and Newark

For the Cumberland quadrangle:
Principal facts of the IGRF field
Inclination 71°N
Declination 6°30'W
Total intensity 56700 Gammas
Gradient East −1.7 Gammas/Mile
Gradient North 8.1 Gammas/Mile

Grid from U.S. Geological Survey, Pittsburgh, 1958-69; Cumberland, 1956-66

SCALE 1:250 000

5 0 5 10 15 20 25 MILES

5 0 5 10 15 20 25 KILOMETERS

Aeromagnetic survey flown by AIRMAG SURVEYS, INC
and compiled by 6_3 GEOPHYSICAL EXPLORATION CORPORATION
Flown at 1000 feet ground clearance, 1973

EXPLANATION

Magnetic contours

Contours show the reduced total magnetic field intensity derived from the total magnetic field with the Epoch 1965.0 international geomagnetic reference field (Ref. "Grid Values of Total Magnetic Intensity IGRF – – 1965" by E.B. Fabiano and N.W. Peddie, Coast and Geodetic Survey Technical Report No. 38, 55p. 1969) removed. Hachured to indicate closed areas of lower magnetic intensity. Contour intervals 10 and 50 gammas

Location of measured maximum or minimum intensity within closed high or closed low

Flight path
Showing location and spacing of data

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AEROMAGNETIC MAP OF PARTS OF THE PITTSBURGH AND CUMBERLAND 1° BY 2° QUADRANGLES, PENNSYLVANIA

1974

This map is preliminary and has not been edited or reviewed for conformity to Geological Survey standards.