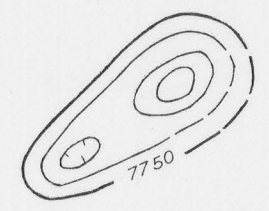


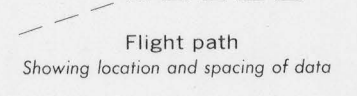


EXPLANATION



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

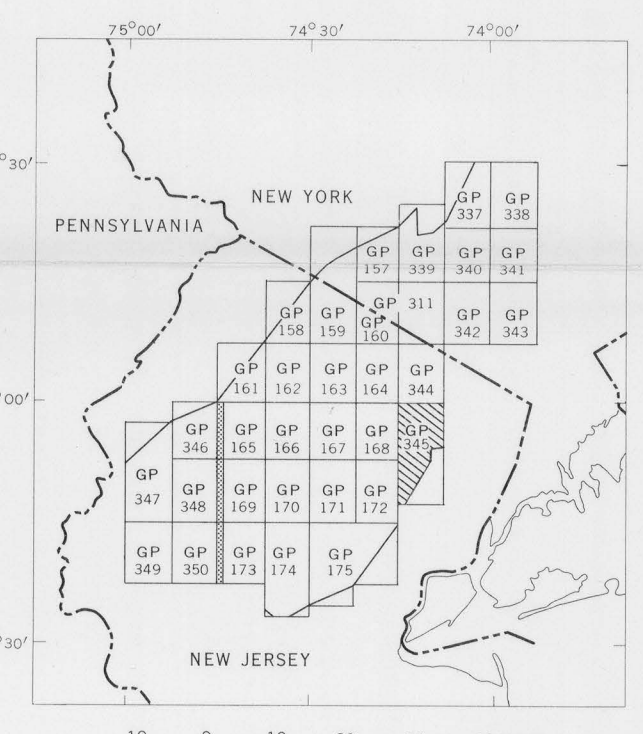
Measured maximum or minimum intensity within closed high or closed low



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.



INDEX MAP SHOWING LOCATION OF AEROMAGNETIC MAPS PUBLISHED BY THE U.S. GEOLOGICAL SURVEY IN THE NEW YORK-NEW JERSEY HIGHLANDS AREA
Note: GP's 346, 348, and 350 are related to GP's 165, 169, and 173 respectively in the overlap zone shown above.

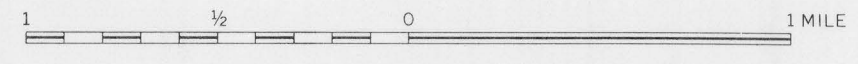
Base map from U.S. Geological Survey, 1955

Aeromagnetic survey flown at 500 feet above ground, 1951

**AEROMAGNETIC MAP OF PARTS OF THE PATERSON AND ORANGE QUADRANGLES
ESSEX, PASSAIC, AND BERGEN COUNTIES, NEW JERSEY**

By
John R. Henderson, Evelyn J. Chandler and others

SCALE 1:31 680



APPROXIMATE MEAN DECLINATION, 1962

CONTOUR INTERVAL 50 GAMMAS
1963