DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH
THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS

GEOPHYSICAL INVESTIGATIONS
MAP GP-432

EXPLANATION

Magnetic contours showing total intensity magnetic field of the earth in gammas relative to arbitrary datum

Hachures to indicate closed areas of lower magnetic intensity; dashed where data are incomplete

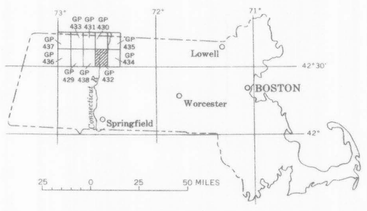
Measured maximum or minimum intensity within closed high or closed low

Flight path

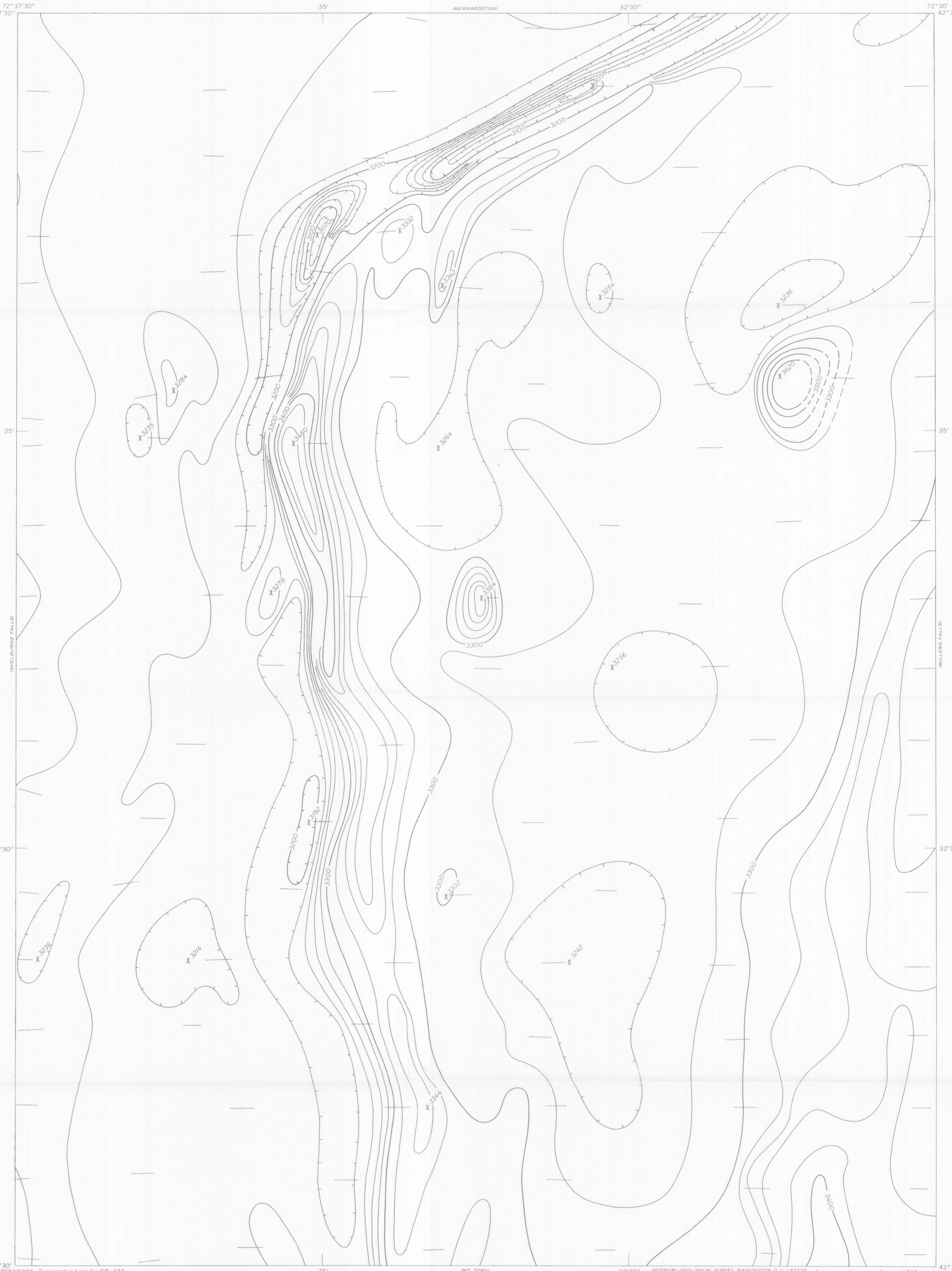
Showing location and spacing of data

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 OF MASSACHUSETTS SHOWING AEROMAGNETIC MAPS PUBLISHED BY THE U.S. GEOLOGICAL SURVEY. AREA OF GP-432 SHADED



Topographic base for GP-432 is Greenfield quadrangle, 1954

Aeromagnetic survey flown at 500 feet above ground, 1959 and 1960

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—63234

AEROMAGNETIC MAP OF THE GREENFIELD QUADRANGLE, FRANKLIN COUNTY, MASSACHUSETTS

By
J. L. Meuschke and G. L. Zandle

14½°
MAGNETIC NORTH
TRUE NORTH
APPROXIMATE MEAN DECLINATION, 1963

SCALE 1:24 000

1 ½ 0 1 MILE

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 AND 100 GAMMAS

GEOPHYSICAL INVESTIGATIONS
MAP GP-432

1963

For sale by U.S. Geological Survey, price 50 cents