DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

GEOPHYSICAL INVESTIGATIONS
MAP GP–943

EXPLANATION

MAGNETIC CONTOURS
Showing total intensity magnetic field of the earth in hundreds of gammas relative to arbitrary datum. Dashed where inferred; hachured to indicate areas of lower magnetic intensity. Main magnetic field of the earth from Barraclough and Fabiano (1975) has been removed from areas I2, K2, U2, Y2, S3, and V3; main magnetic field of the earth from Fabiano and Peddie (1969) has been removed from all remaining areas. Contour interval 200 gammas

—1000 M—
BATHYMETRIC CONTOUR
Depth in meters

NO DATA

CANADA

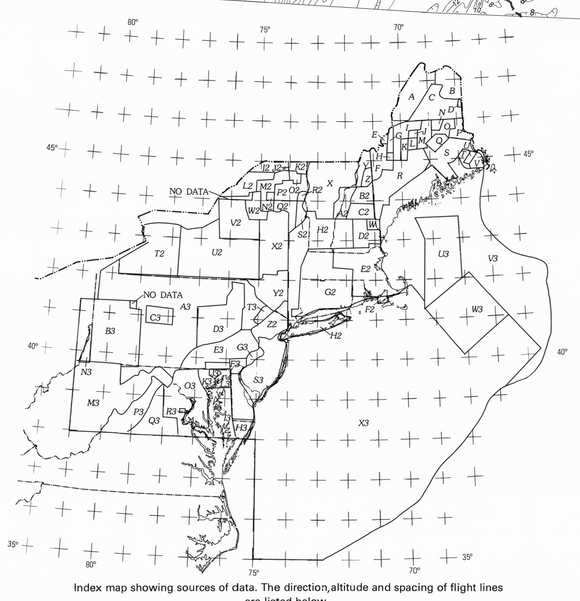
MAINE
NEW HAMPSHIRE
VERMONT
NEW YORK
MASSACHUSETTS
CONNECTICUT
RHODE ISLAND
PENNSYLVANIA
NEW YORK
OHIO
PENNSYLVANIA
WEST VIRGINIA
VIRGINIA
DELAWARE
MARYLAND

1000 M

3000 M

ATLANTIC OCEAN

Base from U.S. Geological Survey, 1980



Index map showing sources of data. The direction, altitude and spacing of flight lines are listed below

A Northwest-Southeast, 2500 feet barometric, 10 mile (Zietz and others, 1972)
B North-South, 2500 feet barometric, 2–6 mile (Zietz and others, 1972)
C East-West, 500 feet above ground, ½ mile (Zietz and others, 1972)
D North-South, 500 feet above ground, ¼ mile (Zietz and others, 1972)
E Northwest-Southeast, 500 feet above ground, ¼ mile—(Zietz and others, 1972)
F North-South, 3500 feet barometric, ½ mile (Zietz and others, 1972)
G North-South, 500 feet above ground, ¼ mile (Zietz and others, 1972)
H East-West, 500 feet above ground, ¼ mile (Zietz and others, 1972)
I East-West, 1000 feet above ground, 2 mile (Zietz and others, 1972)
J North-South, 500 feet above ground, ¼ mile (Zietz and others, 1972)
K North-South, 750 feet above ground, ¼ mile (Zietz and others, 1972)
L East-West, 500 feet above ground, ½ mile (Zietz and others, 1972)
M North-South, 500 feet above ground, ½ mile (Zietz and others, 1972)
N North-South, 500 feet above ground, ¼ mile (Zietz and others, 1972)
O Northwest-Southeast, 2500 feet barometric, 5 mile (Zietz and others, 1972)
P North-South, 500 feet above ground, ½ mile (Zietz and others, 1972)
Q Northwest-Southeast, 500 feet above ground, ¼ to ½ mile (Zietz and others, 1972)
R Northwest-Southeast, 2500 feet barometric, 6 mile (Zietz and others, 1972)
S Northwest-Southeast, 500 feet barometric, ½ mile (Zietz and others, 1972)
T Northwest-Southeast, 2500 feet barometric, 5 mile (Zietz and others, 1972)
U East-West, 500 feet above ground, ½ mile (Zietz and others, 1972)
V East-West, 400 feet above ground, ½ mile (Zietz and others, 1972)
W East-West, 750 feet above ground, ½ mile (Zietz and others, 1972, 1979a)
X East-West, 4000 feet barometric, 2 mile (Zietz and others, 1979a)
Y North-South, 3500 feet barometric, ½ mile (Zietz and others, 1979a)
Z North-South, 1000 feet above ground, ½ mile (Zietz and others, 1979a)

A2 East-West, 2300 feet barometric, ½ mile (Zietz and others, 1979a)
B2 East-West, 5500 feet barometric, ½ mile (Zietz and others, 1979a)
C2 East-West, 5000 feet barometric, ½ mile (Zietz and others, 1979a)
D2 East-West, 2300 feet barometric, ½ mile (Zietz and others, 1979a)
E2 East-West, 400 feet above ground, ½ mile (Zietz and others, 1979a)
F2 North-South, 400 feet above ground, ½ mile (Zietz and others, 1979a)
G2 East-West, 500 feet above ground, ½ mile (Zietz and others, 1979a, Zietz and Gilbert, 1980)
H2 East-West, 500 feet above ground, 1 mile (Zietz and others, 1979a, Zietz and Gilbert, 1980)
I2 East-West, 1700 feet barometric, 1 mile (Zietz and Gilbert, 1980)
J2 East-West, 1000 feet above ground, ¼ mile (Zietz and Gilbert, 1980)
K2 East-West, 1700 feet barometric, ½ mile (Zietz and Gilbert, 1980)
L2 East-West, 500 feet above ground, ½ mile (Zietz and Gilbert, 1980)
M2 North-South, 1000 feet above ground, ¼ mile (Zietz and Gilbert 1980)
N2 North-South, 1000 feet above ground, ½ mile (Zietz and Gilbert, 1980)
O2 East-West, 1000 feet above ground, ¼ mile (Zietz and Gilbert, 1980)
P2 East-West, 1000 feet above ground, 1 mile (Zietz and Gilbert, 1980)
Q2 North-South, 1000 feet above ground, 1 mile (Zietz and Gilbert, 1980)
R2 East-West, 1000 feet above ground, ½ mile (Zietz and Gilbert, 1980)
S2 North-South, 1000 feet above ground, ½ mile (Zietz and Gilbert, 1980)
T2 East-West, 1000 feet above ground, 2 mile (Zietz and Gilbert, 1980)
U2 East-West, 3000 feet barometric, 2 mile (Zietz and Gilbert, 1980)
V2 East-West, 1000 feet above ground, 1 mile (Zietz and Gilbert, 1980)
W2 East-West, 1000 feet above ground, ½ mile (Zietz and Gilbert, 1980)
X2 North-South, 500 feet above ground, 1 mile (Zietz and Gilbert, 1980)
Y2 East-West, 3000 feet barometric, 2 mile (Zietz and Gilbert, 1980)
Z2 North-South, 500 feet above ground, ½ mile (Zietz and Gilbert, 1980; Zietz and others, 1979b)

A3 North-South, 1000 feet above ground, 4 mile (Zietz and others, 1979b)
B3 North-South, 500 feet above ground, 1 mile (Zietz and others, 1979b)
C3 North-South, 1000 feet above ground, ½ mile (Zietz and others, 1979b)
D3 North-South, 3000 feet barometric, 2 mile (Zietz and others, 1979b)
E3 North-South, 500 feet above ground, ¼ mile (Zietz and others, 1979b)
F3 North-South, 1000 feet above ground, ½ mile (Zietz and others, 1979b)
G3 North-South, 1000 feet barometric, 1 mile (Zietz and others, 1979b)
H3 East-West, 1000 feet barometric, 1 mile (Zietz and others, 1979b)
I3 East-West, 1200 feet barometric, 1 mile (Zietz and others, 1979b)
J3 Northwest-Southeast, 500 feet above ground, ½ mile—(Zietz and others, 1979b)
K3 East-West, 500 feet above ground, ½ mile (Zietz and others, 1979b)
L3 East-West, 400 feet above ground, ½ mile (Zietz and others, 1979b)
M3 Northwest-Southeast, 1000 feet above ground, 1 mile (Zietz and others, 1979b)
N3 North-South, 1000 feet above ground, 1 mile (Zietz and others, 1979b)
O3 East-West, 500 feet above ground, 1 mile (Zietz and others, 1977, 1979b)
P3 Northwest-Southeast, 5000 feet barometric, 3 mile—(Zietz and others, 1977)
Q3 East-West, 500 feet above ground, ½ mile (Zietz and others, 1977)
R3 East-West, 500 feet above ground, ½ mile (Zietz and others, 1977)
S3 East-West, 500 feet above ground, 1 mile (USGS, 1979a)
T3 East-West, 400 feet above ground, 3 mile (LKB Resources Inc., 1978)
U3 North-South, 2500 feet barometric, 1¼ mile (USGS, 1979b)
V3 Northwest-Southeast, 500 feet above ground, 5 mile (Taylor and others, 1968)
W3 Northwest-Southeast, 1500 feet barometric, 1½ mile (Klitgord and Beherendt, 1977)
X3 Northwest-Southeast, 1500 feet barometric, 2 mile (Klitgord and Beherendt, 1977)

SCALE 1:2 000 000
50 0 50 100 150 MILES
50 0 50 100 150 200 250 KILOMETERS
ALBERS EQUAL AREA PROJECTION

AEROMAGNETIC MAP OF THE NORTHEASTERN UNITED STATES

By
Isidore Zietz and Francis P. Gilbert

1981

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