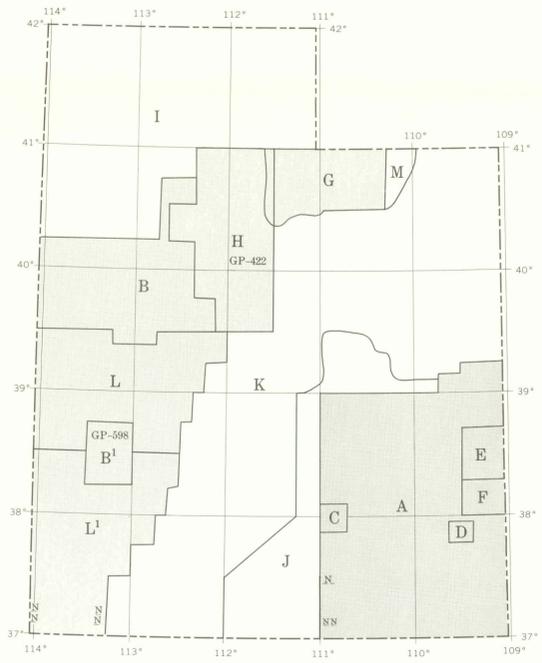


EXPLANATION

Magnetic contours
Showing total intensity 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. Main magnetic field of the earth from Fubiano and Peddie (1969) has been removed. Contour intervals 20 and 100 gammas.

REFERENCES

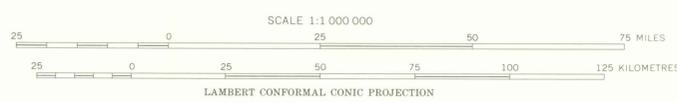
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—, 1972a, Aeromagnetic map of parts of the Delta and Richfield 1° by 2° quadrangles, Utah: U.S. Geol. Survey open-file report, scale 1:250,000.
—, 1972b, Aeromagnetic map of parts of the Richfield and Cedar City 1° by 2° quadrangles, Utah: U.S. Geol. Survey open-file report, scale 1:250,000.



SOURCES OF DATA

Data used as source of aeromagnetic data for areas shaded on index map are from U.S. Geological Survey reports. Area M is from Steenland (1969).
Total intensity aeromagnetic surveys by the U.S. Geological Survey with the different flight elevations, spacings, and directions listed below:
A. 8,500 feet barometric, 1 mile, E-W (Case and Joesting, 1972)
B. 9,000 feet barometric, 1 mile, E-W (U.S. Geol. Survey, 1971)
B'. 9,000 feet barometric, 1 mile, E-W (U.S. Geol. Survey, 1966)
C. 12,500 feet barometric, 1 mile, E-W
D. 11,500 feet barometric, 1 mile and 2 mile, E-W
E. 12,500 feet barometric, 1 mile, E-W (Case and others, 1963)
F. 500 feet above ground, 2 mile, E-W (Byerly and Joesting, 1959)
G. 11,000 feet barometric, 2 mile, E-W (Crittenden and others, 1967)
H. 12,000 feet barometric, 2 mile, E-W (Mabe and others, 1964)
I. 12,000 feet barometric, 5 mile, N-S
Total intensity aeromagnetic surveys by the University of Utah, College of Mines and Mineral Industries with the different elevations, spacings, and directions listed below:
J. 8,500 feet barometric, 2 to 4 mile, N-S
K. 12,000 feet barometric, 2 to 4 mile, N-S
A total intensity aeromagnetic survey by Scintrex Mineral Surveys, Inc. at 9,000 feet barometric, 2 mile spacing, E-W (Land L') (U.S. Geol. Survey, 1972a, b)
A total intensity aeromagnetic survey by GAI-GMX Corporation at 14,000 feet barometric, 2 mile spacing, N-S (M)
Total intensity aeromagnetic surveys by the Naval Oceanographic Office at approximately 15,000 feet barometric (individual traverse segments labeled N)

Base from U.S. Geological Survey, 1968



AEROMAGNETIC MAP OF UTAH
By
Isidore Zietz, Ralph Shuey, and John R. Kirby, Jr.
1976