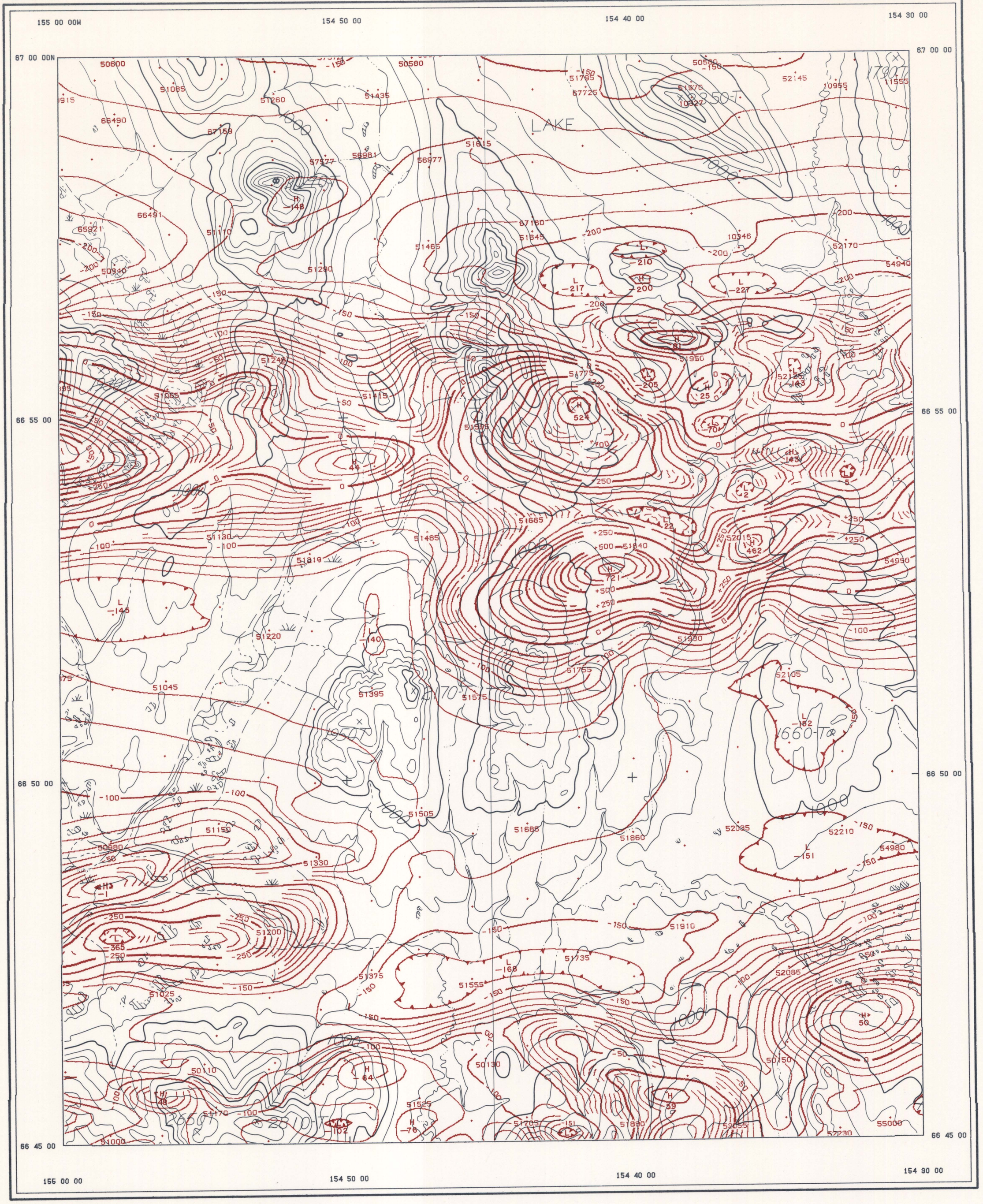


CONTOUR INTERVAL	10.0 GAMMAS
DATUM	56610.00 GAMMAS
FLIGHT LINE SPACING	0.75 MILE(S)
FLIGHT ALTITUDE	1000 FEET AGL
MAGNETIC DECLINATION	24°29' E
MAGNETIC INCLINATION	77°11' N
FLOWN AND COMPILED	1975
INSTRUMENT	GEOMETRICS G-803 PROTON MAGNETOMETER

A REGIONAL TREND OF 3.24 GAMMAS/MILE NORTH AND 2.86 GAMMAS/MILE EAST EXISTED AND WAS REMOVED USING THE 1965 IGRF UPDATED TO 1975

49000 . . . . . 49020 FLIGHT PATH WITH CAMERA FIDUCIAL NUMBERS

True North ★ Magnetic North

SCALE 1 : 63,360

½ 0 ½ 1 1½ 2 MILES

½ 0 ½ 1 1½ 2 2½ KILOMETERS

AEROMAGNETIC SURVEY

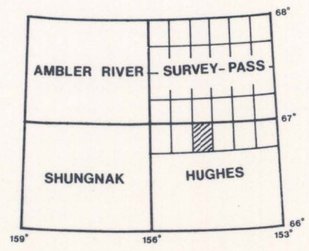
HUGHES D-4, ALASKA

STATE OF ALASKA

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEY

Copies of this map may be obtained from
The DGGS information offices
in Anchorage, College, Ketchikan, and Juneau, Alaska.



HUGHES D-4

ALASKA

The magnetic contours shown on this map represent the total anomalous magnetic field of the earth. Variations in this field are caused by the variable magnetic character of rock units crossed by the survey flights, and hence, can be used to estimate the apparent location of rocks rich in magnetic minerals. Such rock units may be either at the surface of the ground or buried beneath it. Anomalies show both positive and negative variations depending on the shape, attitude, and constituents of local rocks. Geophysical interpretation will be helpful in determining boundaries or depth of burial of anomaly-causing rock units. Some anomalies may be impossible to interpret without further geologic information. Basic profile data is retained at the Division of Geological Survey and should be consulted for detailed analysis.

NO FINAL TOPOGRAPHIC DATA IS AVAILABLE (PRELIMINARY COPY ONLY)

Flown by : Airborne Geophysics

Compiled by : GeoMetrics in 1975