

CONTOUR INTERVAL 10.0 GAMMAS  
 DATUM 56456.30 GAMMAS  
 FLIGHT LINE SPACING 1.0 MILE(S)  
 FLIGHT ALTITUDE 1000 FEET AGL  
 MAGNETIC DECLINATION 23°13' E  
 MAGNETIC INCLINATION 76°57' N  
 FLOWN AND COMPILED 1974-1975  
 INSTRUMENT GEOMETRICS G-803 PROTON MAGNETOMETER

A REGIONAL TREND OF 3.45 GAMMAS/MILE NORTH AND 2.68 GAMMAS/MILE EAST EXISTED AND WAS REMOVED USING THE 1965 IGRF UPDATED TO 1974

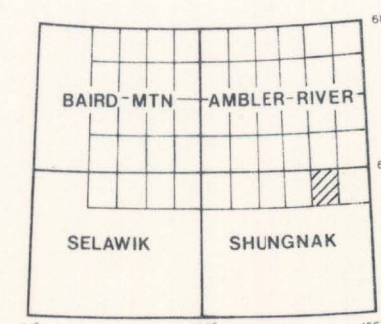
49000 49020 FLIGHT PATH WITH CAMERA FIDUCIAL NUMBERS

SCALE 1:63,360  
 1/2 0 1/2 1 1 1/2 2 MILES  
 1/2 0 1/2 1 1 1/2 2 2 1/2 KILOMETERS

### AEROMAGNETIC SURVEY SHUNGNAK D-2, ALASKA

STATE OF ALASKA  
 DEPARTMENT OF NATURAL RESOURCES  
 DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEY

Copies of this map may be obtained from  
 The Division at 3001 Porcupine Drive, Anchorage, Alaska 99501



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.

Base map from U.S.G.S. 1:63,360 Topographic map series.  
 Flown and compiled in 1974-1975 by:  
 GeoMetrics, Sunnyvale, California

SHUNGNAK D-2

ALASKA