DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

FOLIO OF THE SURVEY PASS QUADRANGLE, ALASKA
MISCELLANEOUS FIELD STUDIES
MAP MF-1176-G
SHEET 1 OF 3

Base from U.S. Geological Survey, 1956

Flown and compiled by GeoMetrics, Sunnyvale, Calif., 1974, 1975, and 1978.

EXPLANATION

MAGNETIC CONTOURS - Showing total intensity magnetic field of the earth in gammas relative to arbitrary datum. Hachured to indicate closed areas of lower magnetic intensity. Contour intervals 10 and 100 gammas

MAXIMUM (H) OR MINIMUM (L) INTENSITY - Location measured within closed high or closed low

H -74, L -92

CONTOUR INTERVAL .....10.0 & 100 GAMMAS
DATUM .....56405.28 GAMMAS
FLIGHT LINE SPACING .....1.0 & 0.75 MILE(S)
FLIGHT ALTITUDE .....1000 FEET AGL
MAGNETIC DECLINATION .....24°55' E
MAGNETIC INCLINATION .....77°35' N
FLOWN AND COMPILED 1974-75, 1978
INSTRUMENT .....GEOMETRICS G-803 PROTON MAGNETOMETER

A REGIONAL TREND OF APPROXIMATELY 3.21 GAMMAS/MILE NORTH AND 2.87 GAMMAS/MILE EAST EXISTED AND WAS REMOVED USING THE 1965 IGRF UPDATED TO 1975 AND THE 1975 IGRF UPDATED TO 1978

49000 49020 FLIGHT PATH WITH CAMERA FIDUCIAL NUMBERS

QUADRANGLE LOCATION

SCALE 1:250 000

5 0 5 10 15 20 25 MILES
5 0 5 10 15 20 25 KILOMETERS

CONTOUR INTERVAL 200 FEET
DATUM IS MEAN SEA LEVEL

LOCATION INDEX

HOWARD PASS | KILLIK RIVER | CHANDLER LAKE
AMBLER RIVER | SURVEY PASS | WISEMAN
SHUNGNAK | HUGHES | BETTLES

AEROMAGNETIC SURVEY

MAPS SHOWING AEROMAGNETIC SURVEY AND INTERPRETATION OF THE SURVEY PASS QUADRANGLE, BROOKS RANGE, ALASKA

By

John W. Cady and Steve W. Hackett

1982

Interior—Geological Survey, Reston, Va.—1982

For sale by Distribution Section, U.S. Geological Survey, Federal Bldg., Box 12, 101 Twelfth Avenue, Fairbanks, AK 99701, and Branch of Distribution, U.S. Geological Survey, Box 25286, Federal Center, Denver, CO 80225