DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY

OPEN-FILE REPORT
84-278
Sheet 6 of 7

AEROMAGNETIC MAP OF THE BUTTE 1° BY 2° QUADRANGLE, MONTANA

BY

U.S. GEOLOGICAL SURVEY

1984

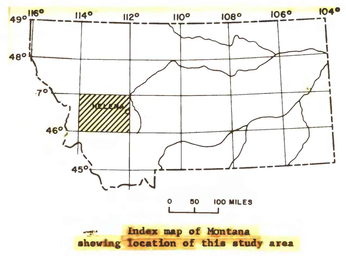
EXPLANATION

FLIGHT ALTITUDE	9000 FEET BAROMETRIC
FLIGHT INTERVAL	TRAVERSE 1.0 MILE TIE LINE VARIABLE
TRAVERSE DIRECTION	EAST - WEST
CONTOUR INTERVAL	10 GAMMA
PROJECTION	U.T.M. CLARKE 1866, ZONE 12
BASE MAP USED	U.S.G.S. 1:24,000
SURVEY FLOWN AND COMPILED	AUGUST 1983 BY AIRMAG SURVEYS INC. PHILADELPHIA, PENNSYLVANIA
MAGNETOMETER SAMPLING RATE	0.5 & 1.0 SECONDS
MAGNETOMETER USED	AIRMAG MARK IV FLUXGATE
AIRMAG PROJECT NO.	871

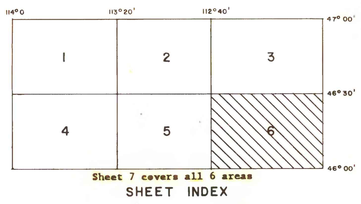
REGIONAL I.G.R.F. (1980 — 1983.65) CALCULATED EVERY 7 1/2 MINUTES AND APPLIED TO THE RECORDED FIELD.

TRAVERSE LINE 690 FIDUCIAL 49800 HAS TOTAL MAGNETIC INTENSITY VALUE OF 56965 GAMMA. SAMPLE TAKEN JULY 20-83, 0655 HOURS LOCAL TIME.

CONTOURING GRID NET OF 150 METERS N/S, E/W.



Index map of Montana showing location of this study area



Sheet 7 covers all 6 areas
SHEET INDEX

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SCALE 1:62,500

1 1/2 0 1 2 3 4 5 MILES

1 0 1 2 3 4 5 KILOMETERS