

EXPLANATION

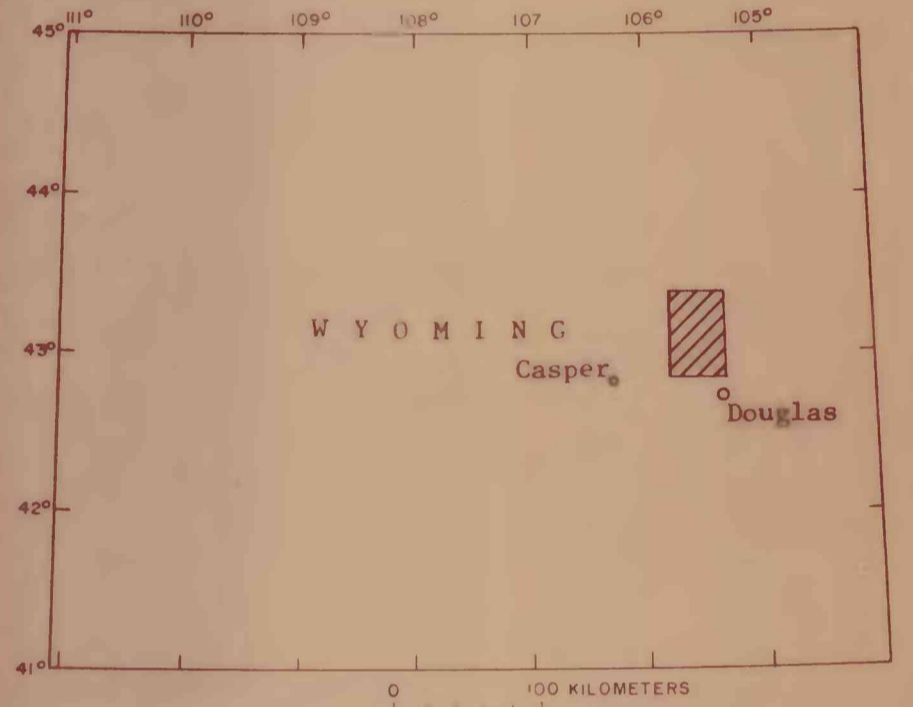
10 GAMMA CONTOUR
Flight line spacing 1.2 kilometers
Flight line altitude 122 meters above terrain
Flight lines oriented north-south

Flight line positions have been published by K. A. Schulz, U.S. Geological Survey Open-File Report 75-661.

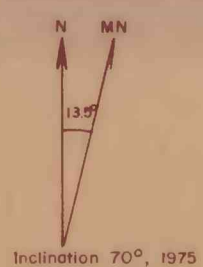
The 1965 IGRF updated to July 1975 has been removed from the data. The result was removal of a regional trend of 4.2 gammas/kilometer north and 1.9 gammas/kilometer east. A constant of 1000 gammas was added to all values to insure consistently positive values.

IGRF 57474 and observed field 57535 at 43° 15' N., 105° 45' W.

NOTE: The contours on this map were computer generated and hand smoothed. Some detail may have been lost in the process. The data has been gridded on a 400 meter spacing, and no filtering was done to the data before contouring.



Index map showing the location of this report



Inclination 70°, 1975

Scale 1:125,000
2 0 2 4 6 8 10 KILOMETERS

This map is preliminary and has not been edited or reviewed for conformity to Geological Survey standards.

AEROMAGNETIC MAP OF PART OF THE SOUTHERN POWDER RIVER BASIN, WYOMING

By

J. S. Duval, J. A. Pitkin, and D. L. Macke

1977