

SURVEY SPECIFICATIONS

Contour Interval: 20 Gamma
Flight Line Spacing: 0.50 Mile
Tie Lines: 12.5 Miles
Flight Line Direction: EAST - WEST
Tie Line Direction: NORTH - SOUTH
Sample Interval: 173.8 Feet
Flight Path Record: JVC Color Video Camera
Digital Acquisition System: GeoMetrics G-714
Latitude and Longitude Interval: 5.0 Minutes
Survey Altitude: 300 Feet MSL
Projection: Universal Transverse Mercator
Grid Zone: 13
Spheroid: Clarke 1866 Spheroid
Flight Line Recovery: Visually to 1:24000 USGS Topos
Magnetometers: GeoMetrics G-813 Proton Precession
Sensitivity: 0.01 Gamma
Flown: December, 1985
Compiled by: Airborne Geophysics, Inc.
ES&G Geometrics

Corrected Total Intensity Magnetometer Value Before Removal
of IGRF
X-LCTN-METERS: 521862.187
Y-LCTN-METERS: 428448.811
TIME: 13.325
MAG-CORR-DNL-GAMMAS: 52774.633

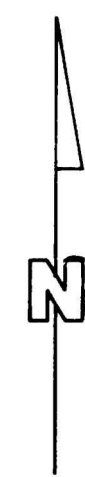
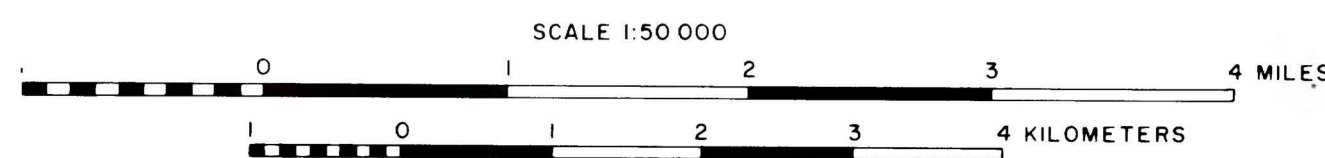
PROCESSING DETAILS:

Reference Field: 1980 IGRF Updated to 1985.9
Diurnal: Removed
Type of Filtering: None
Levelling: DC Bias adjusted by least squares
Interpolation Method: Minimum Curvature with B-spline
Magnetic Declination: 10.4000 Degrees
Primary Grid Size: 365.76m by 365.76m
Tie Lines were not used in Interpolation
Type of Data: Gradient Enhanced Residual Magnetic Data From
Horizontal Gradiometer

AEROMAGNETIC MAP OF THE SABINOSO AREA, NORTHEASTERN NEW MEXICO

BY
U.S. GEOLOGICAL SURVEY

1987



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