

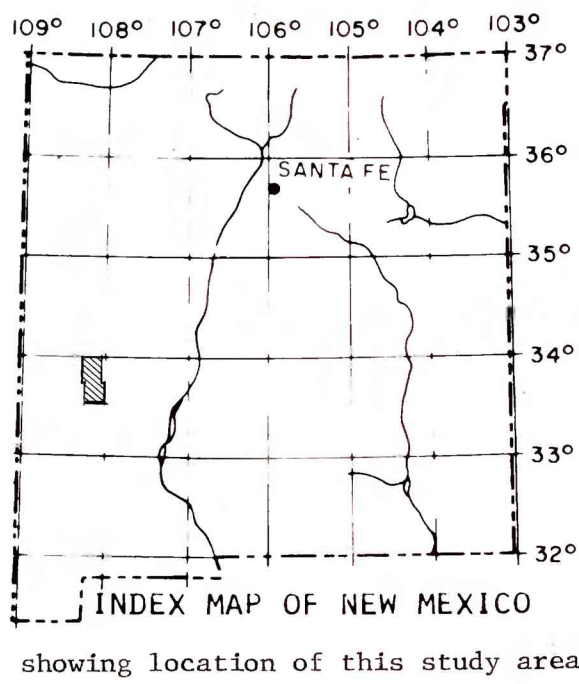
SURVEY SPECIFICATIONS

Contour Interval: 20 Gamma
Flight Line Spacing: 0.50 Mile
Flight Line Direction: Tie Lines : NORTH - SOUTH
Tie Line Direction : EAST - WEST
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 MTC
Projection: Universal Transverse Mercator
Grid Zone: 12
Spheroid: Clarke 1866 Spheroid
Flight line recovery: Visually to 1:24000 USGS topog
Magnetometers: GeoMetrics G-813 Proton Precession
Sensitivity: 0.01 Gamma
Flown by: December, 1985
Compiled by: Airborne Geophysics, Inc.
EG&G GeoMetrics

Corrected Total Intensity Magnetometer Value Before Removal
of IGRF X-LTN-METERS : 755285.125
Y-LTN-METERS : 218585.031
TIME : 16.016
MAG-CORR-DNL-GAMMAS : 50789.438

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: 11.4214 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 HORSE SPRINGS AREA,
WESTERN NEW MEXICO

BY
U.S. GEOLOGICAL SURVEY

1987

This map was prepared under contract
to the U.S. Geological Survey and has
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