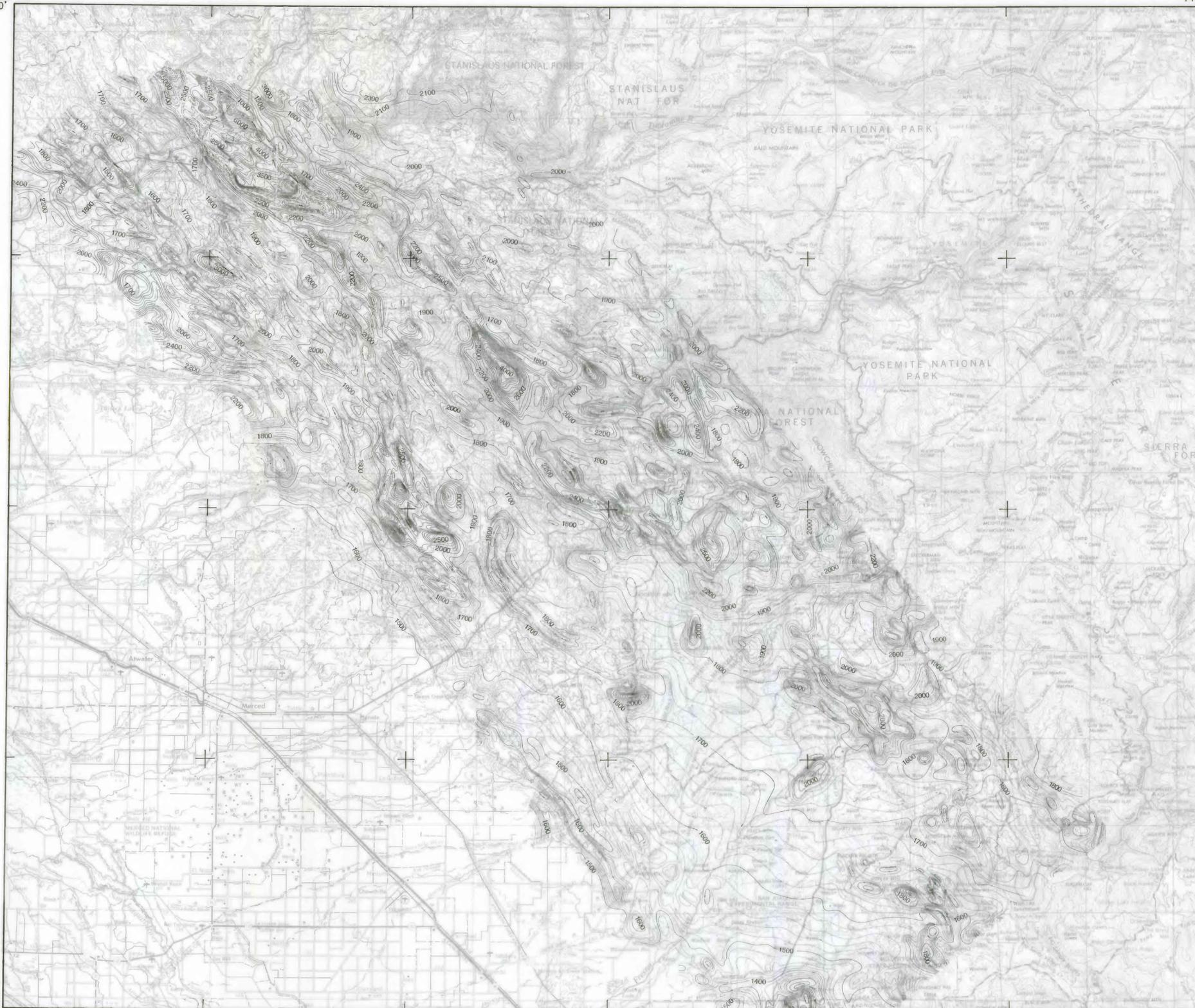
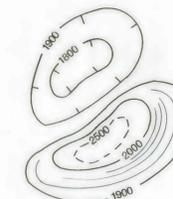


120° 45'
38° 00'

119° 15'
38° 00'



EXPLANATION



Magnetic contours, showing total magnetic field of the Earth in nanoteslas (nT). 1 nT = 1 gamma. Contour intervals are 20 and 100 nT. Dashed contour interval is 500 nT. Closed magnetic lows are hachured.



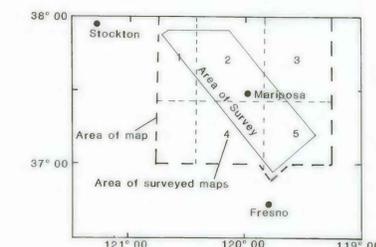
Flight lines, showing location and spacing of data. Flight lines are approximately NE. Flight altitude is 500 feet above terrain, but may be variable. Flight intervals are 3/8 and 3/4 mile.

The aeromagnetic map is a compilation of five maps from U.S. Steel Corporation that were surveyed in 1956 by Aero Service Corporation at a scale of 1:63,360.

The Earth's regional magnetic field was not removed from the observed values. This regional variation amounts to 9.2 nT/mi north and 4.8 nT/mi east. The datum is arbitrary.

Discrepancies in registration of the contour map with the topographic base map are about 0.05 inch. Thus, some anomalies may have location errors of about 1,000 feet due to registration errors. Other anomaly location errors may be partly due to flight navigation errors during the 1956 survey.

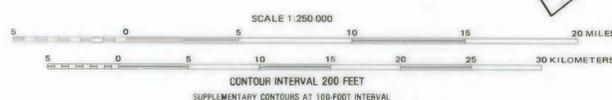
INDEX MAP



Base map compiled from parts of the San Jose, Mariposa, and Fresno U.S. Geological Survey 1:250,000 quadrangles.



APPROXIMATE MEAN DECLINATION, 1983



AREA OF MAP

Total magnetic intensity data flown by Aero Service Corporation, 1956.

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards.

AEROMAGNETIC ANOMALY CONTOUR INTERVALS 20 AND 100 NANOTESLAS

AEROMAGNETIC MAP OF THE WESTERN CENTRAL SIERRA NEVADA, CALIFORNIA

COMPILATION BY DAVID A. PONCE

1984