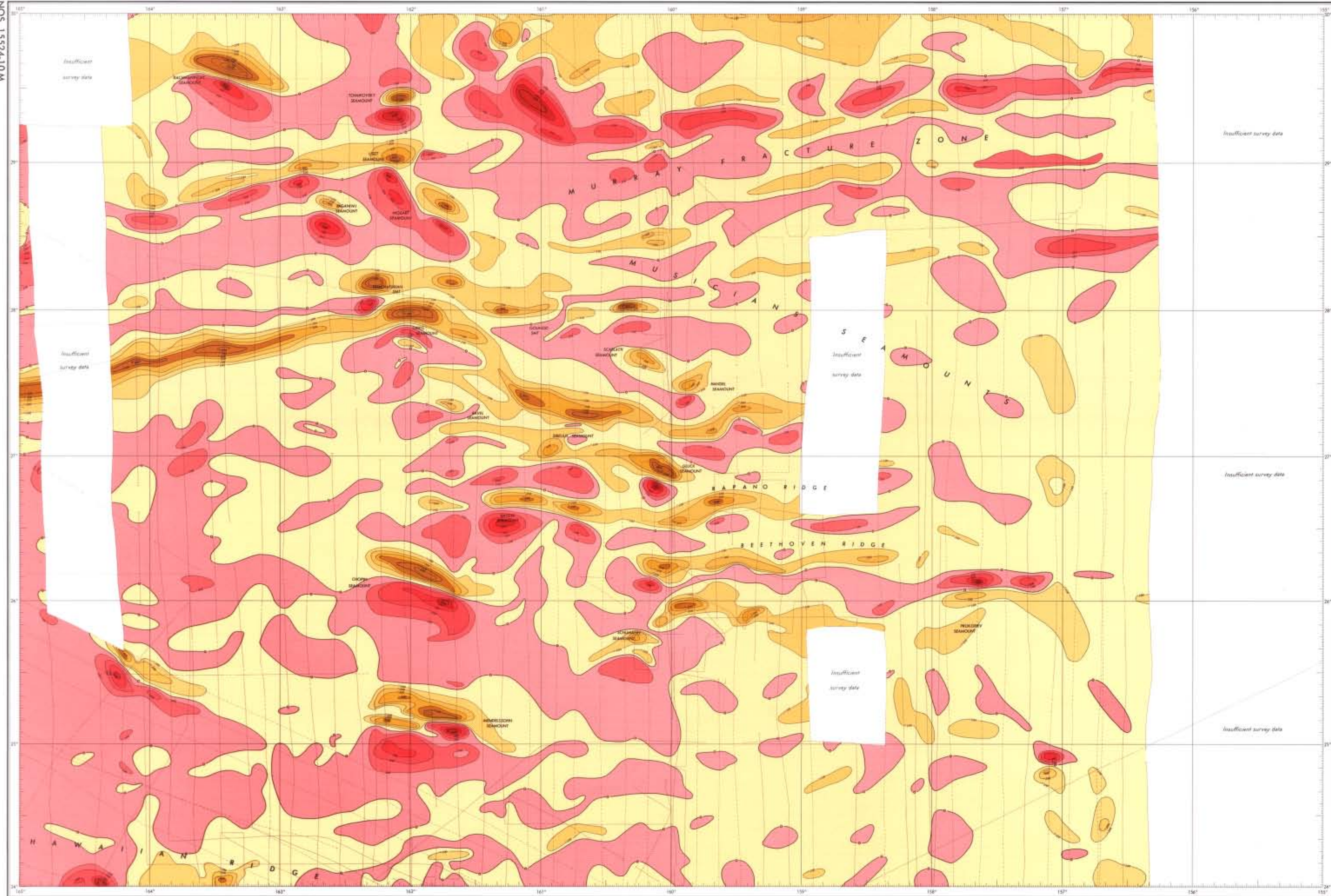


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MAGNETICS

The magnetic data were obtained using a Varian proton precession magnetometer "M". The residual magnetic field was derived using as a reference the International Geomagnetic Reference Field (IGRF) as a Clarke 1866 spheroid. Corrections were assumed positive. The data were not corrected for diurnal variation. Data taken during magnetic storms were deleted from all compilations. The "residual error" of the reduced data was 0.4 gauss.

The high resolution data were also used to a more recent update of the regional magnetic field after 1980 data was processed. From the data within the 1000 meter field and up to 100 gauss below the residual field of 1981 through 1985. The post 1985 data was measured using continuous loop type magnetometers with the vector method.

NOAA Technical Report NCEP 41 contains a description of the data reduction methods and equations, together with a listing of the observations including total and residual field, time and location. These data are also available in magnetic tape form in the Environmental Data Service of NOAA.

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