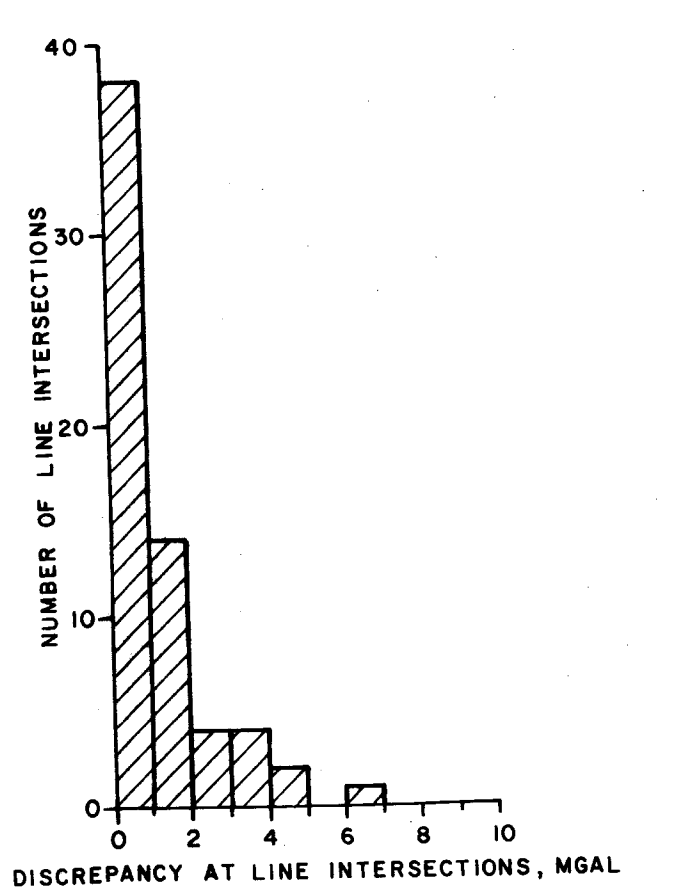
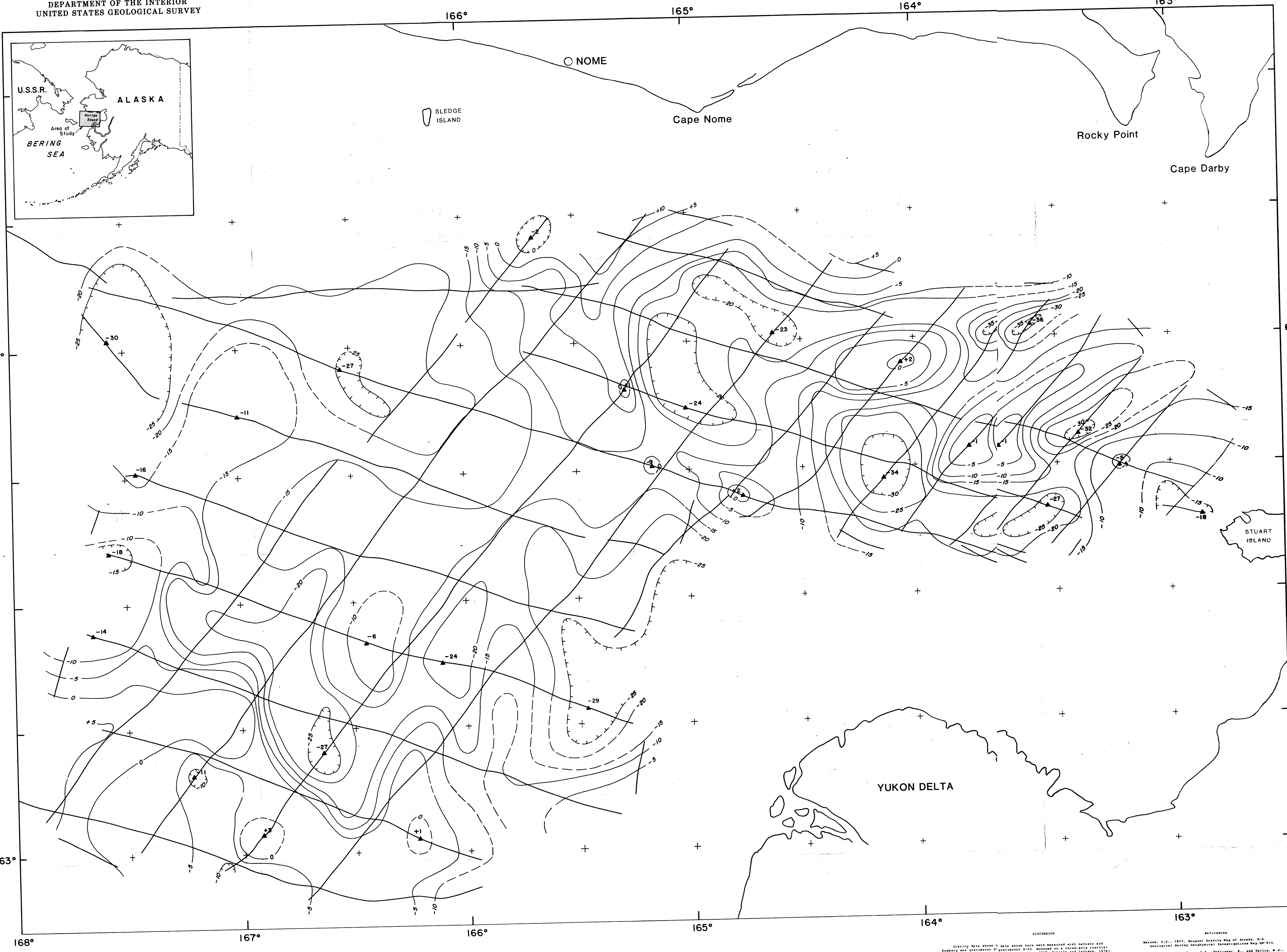


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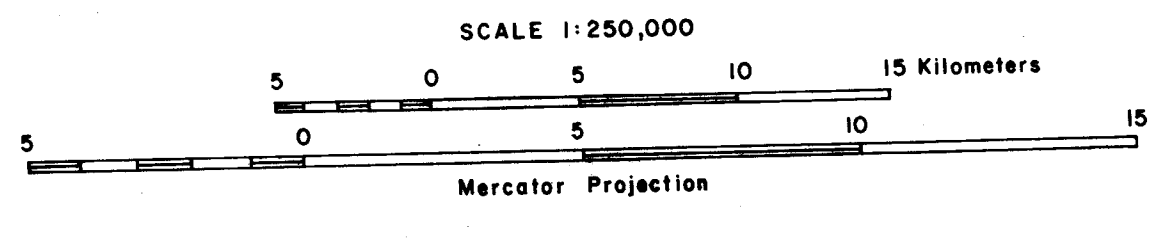
EXPLANATION

— Ship trackline

- - - Gravity contour; dashed where inferred, contour interval 5 mgal

○ Gravity low

▲ -5 ▲ +5 Extreme value within closed contour



PRELIMINARY FREE-AIR GRAVITY MAP, NORTON BASIN, ALASKA

By
M.A. Fisher, P.H. McClellan, M.L. Holmes, and J.R. Childs

1980

DISCUSSION

Gravity data shown on this map have been measured with LaCoste and Romberg gravimeter 0-100 mounted on a three-axis leveling station (LaCoste and Romberg, 1961; LaCoste and Romberg, 1970). Primary navigation was by plane table, integrated with compass and speed measurements from compass, log, and gyrocompass. Gravity data were filtered prior to recording with a four-pass average filter to minimize the effects of ship motion and with an 88-minute low-pass filter to remove high-frequency noise. The gravity computer applied a correction for latitude, the earth's rotation, and the Earth's magnetic field. The gravity data were corrected to the geoid using the geoid height determined by the International Association of Geodesy, 1971. Geoid heights were determined from the geoid heights of the International Association of Geodesy, 1971. Geoid heights were determined from the geoid heights of the International Association of Geodesy, 1971. Geoid heights were determined from the geoid heights of the International Association of Geodesy, 1971.

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