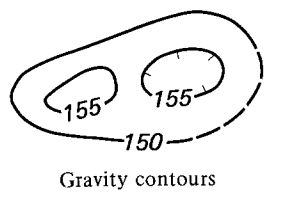


EXPLANATION

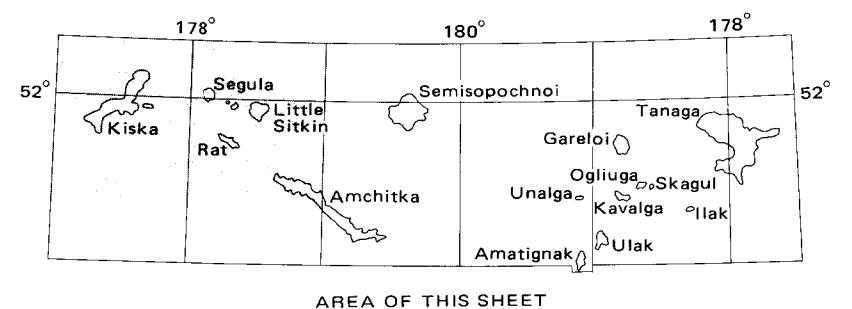


Gravity contours
Dashed where approximately located. Contour interval is 5 milligals. Healed contours show areas of low gravity. A density of 2.67 g/cm^3 was assumed in reducing the gravity data. Terrain corrections were computed to a radius of 166.7 km by a method described by Bowie (1964). Theoretical gravity was computed from the 1933 International Formula. The complete Bouguer gravity values are referred to base station AMCT at the airport terminal building on Amchitka Island (Barber, 1968, p. 22). These data have not been covered to the 1971 International Gravity Standardization Network. The free-air anomaly contours shown are based on values from sea-level gravity stations only. Values from all other stations have been purposely omitted to eliminate the effect of the topography. Gravity stations on Rat, Little Kiska, and Khasolof Islands supplement earlier work by Miller and Bath (1969). Principal facts for the gravity stations shown have been published by Healey (1975).

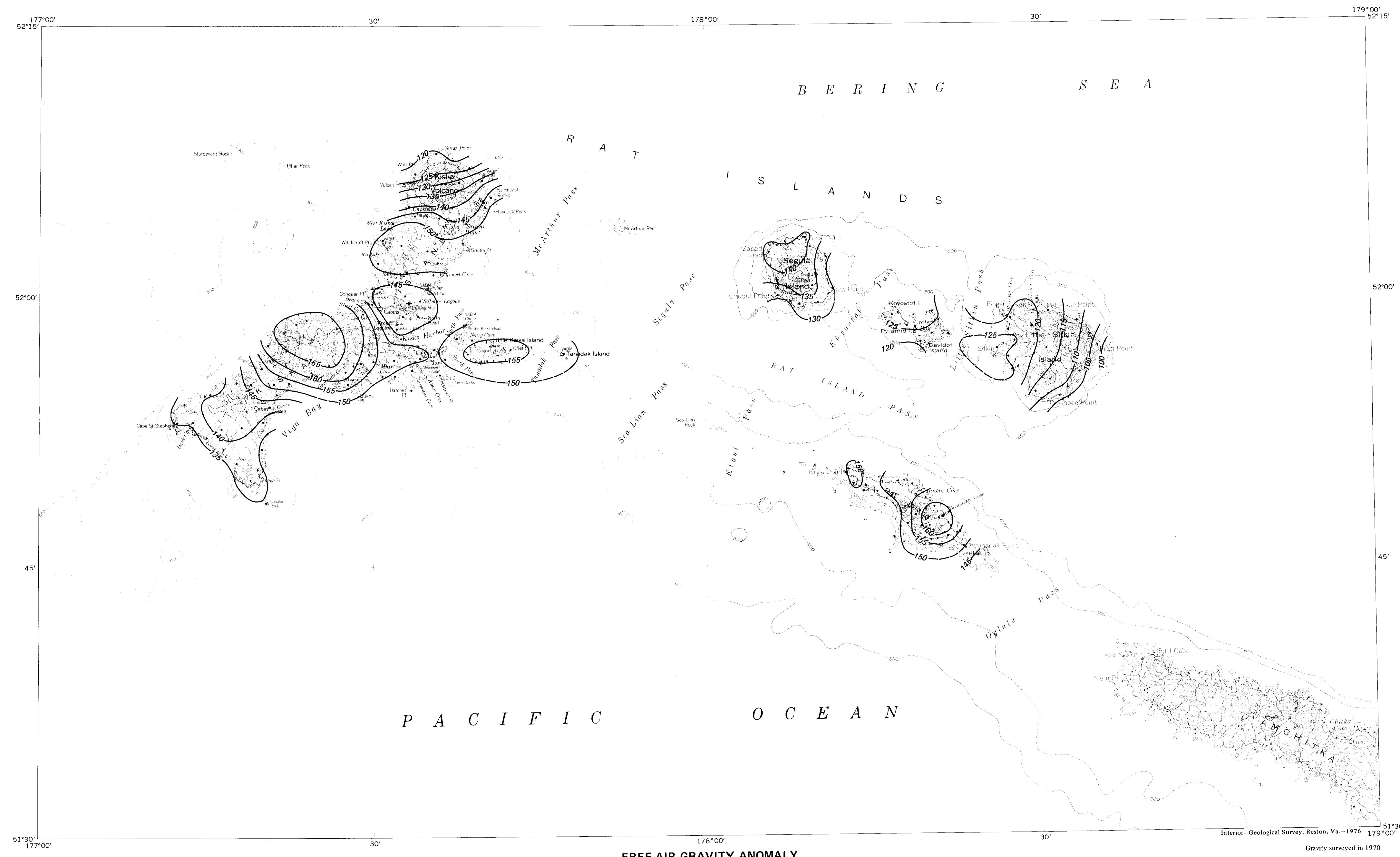
Gravity station

REFERENCES

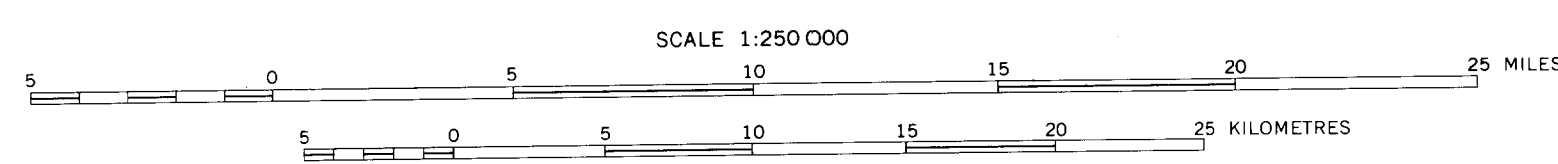
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Miller, C. H., and Bath, G. D., 1969, Gravity map of Amchitka and near-lying islands, Alaska: U.S. Geol. Survey Geophys. Inv. Map GP-493.
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AREA OF THIS SHEET



FREE-AIR GRAVITY ANOMALY



CONTOUR INTERVAL 200 FEET
DATUM IS MEAN SEA LEVEL
DEPTH CURVES IN FEET-DATUM IS MEAN LOWER LOW WATER
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
1976 MAGNETIC DECLINATION AT SOUTH EDGE OF SHEET VARIES FROM 8° TO 6° EAST

COMPLETE BOUGUER AND FREE-AIR GRAVITY ANOMALY MAPS OF THE RAT ISLANDS WEST OF AMCHITKA ISLAND, ALASKA

By
D. L. Healey and J. D. Kibler
1976