ARCTIC OCEAN

QUADRANGLE INDEX MAP

BERING

**EXPLANATION** 

Residual magnetic contours

are dashed where approximate, queried where inferred. Hachures indicate direction of decreasing magnetic intensity.

Land areas

Bathymetric contours in metres

variations and magnetic storms have been ignored. Individual marine magnetic profiles have been upward continued

contouring purposes. No other survey was adjusted. Flight lines shown over western Alaska are for the

Also available is a magnetic contour map of the Bering Sea Basin and Kamchatka Peninsula (Cooper

Andreason, G. E., Dempsey, W. J., Vargo, J. L., and others, 1963, Aeromagnetic map of part of the Naknek quadrangle, Alaska: U. S. Geological Survey, Geophys. Inv. Map GP-353, scale

Cooper, A. K., Bailey, K. A., Howell, J. I., Marlow, M. S., Scholl, D. W., 1975, Preliminary residual map of the Bering Sea Basin and the Kamchatka Peninsula: U. S. Geol. Survey Misc. Field

Dempsey, W. J., Meuschke, J. L., and Andreason, G. E., 1957, Profiles of Bethel Basin, Alaska: U. S. Geol. Survey, open file

Henderson, J. R., Vargo, J. L., and others, 1963, Aeromagnetic map of part of the Dillingham quadrangle, Alaska: U. S. Geol. Survey Geophys. Inv. Map GP-352, scale 1:125,000.

Fabiano, E. G., and Peddie, N. W., 1969, Grid values of total magnetic intensity IGRF-1965: U.S. ESSA Tech. Rept. 38, 55 p.

Henderson, R. G., 1970, On the validity of the use of the upward continuation integral for total magnetic intensity data: Geophysics, v. 35, no. 5, p. 916-919.

Kontis, A., 1971, Aeromagnetic field test of total intensity upward continuation. Geophysics, v. 36, no. 2, p. 418-425.

Pratt, R. M., Rutstein, M. S., Walton, F. W., and Buschur, J. A., 1972, Extension of Alaskan structural trends beneath Bristol Bay, Bering Shelf, Alaska: Jour. Geophys. Research, v. 77,

fields: Geophysics, v. 35, no. 5, p. 920-926.

Misc. Inv. Series Map I-879, scale 1:2,500,000.

\_\_\_\_\_, 1971c, Aeromagnetic survey, Goodnews area, Hagemeister Island, Alaska, scale 1:250,000.

, 1971d, Aeromagnetic survey, Goodnews area, Nushagak Bay, Alaska, scale 1:250.000.

Robinson, E. S., 1970, Upward continuation of total intensity magnetic

Scholl, D. W., Alpha, T. R., Marlow, M. S., Buffington, E. C., 1974, Base map of the Aleutian-Bering Sea region: U. S. Geol. Survey

State of Alaska, Dept. of Natural Resources, Div. of Geological Survey, 1971a, Aeromagnetic survey, Goodnews area, Bethel, Alaska, scale 1:250,000.

\_\_\_\_\_, 1971b, Aeromagnetic survey, Goodnews area, Goodnews, Alaska, scale 1:250,000.

Map, MF-715, scale 1:2,500,000.

map, 3 sheets, scale 1:250,000.

no. 26, p. 4994-4999.

Loran-C, radar Loran-C, radar Loran-C, radar Loran-C, radar

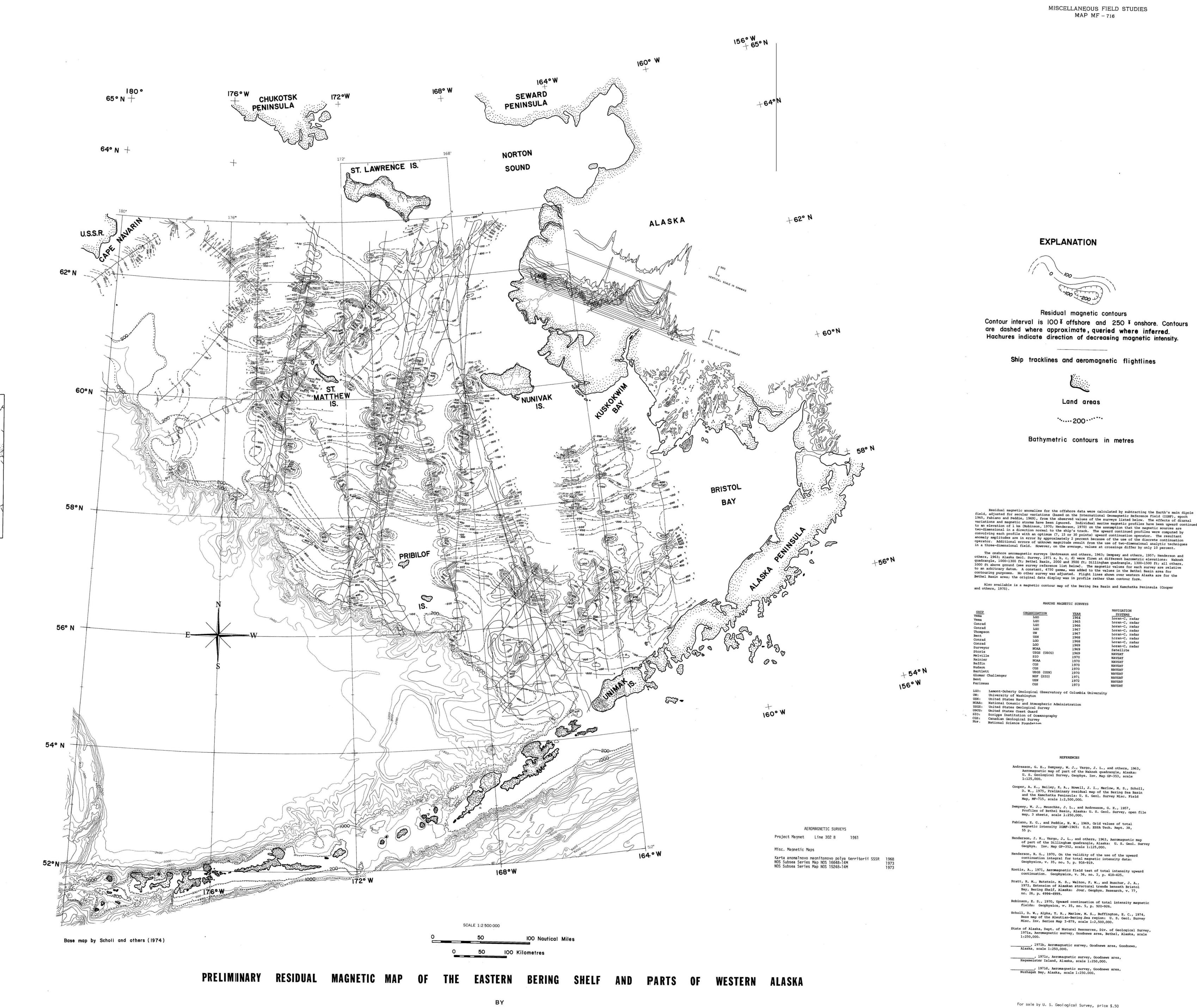
Loran-C, radar

Satellite
NAVSAT
NAVSAT
NAVSAT
NAVSAT
NAVSAT
NAVSAT
NAVSAT
NAVSAT

MARINE MAGNETIC SURVEYS

Lamont-Doherty Geological Observatory of Columbia University

Contour interval is 100% offshore and 250% onshore. Contours



For sale by U. S. Geological Survey, price \$.50