



**BLACK AND WHITE
COMPOSITE MAGNETIC ANOMALY MAP
OF THE UNITED STATES
PART A: CONTERMINOUS UNITED STATES**

PREPARED IN COOPERATION WITH THE
SOCIETY OF EXPLORATION GEOPHYSICISTS

Compiled under the direction of
Isidore Zietz
1983

EXPLANATION



MAGNETIC ANOMALY CONTOURS—Contour intervals are 100 and 200 gammas (nanotesla). Hachure indicate closed areas of lower magnetic intensity. The International Geomagnetic Reference Field, (Fabiano and Peddie, 1969; Barnatough and Peddie, 1978) adjusted to the times of the individual surveys, has been removed from these data. The zero level has been arbitrarily assigned.

Sources of magnetic data include total-intensity airborne, ground and shipborne magnetic measurements, and vertical-intensity ground-magnetic measurements. Gray-toned lines mark boundary where survey specifications, such as line spacing, direction, or altitude differ. Change in magnetic character across these boundaries may reflect these variations in survey specifications rather than differences in geology.

Details of data sources and compilation are provided in the text accompanying map GS-350A.

REFERENCES CITED

Fabiano, E. B., and Peddie, N. W., 1969, Grid values of total magnetic intensity, International Geomagnetic Reference Field—1965: U.S. Environmental Science Service Administration Technical Report C and GS 38, 55 p.
Barnatough, D. R., and Fabiano, E. B., 1978, Grid values and charts for the International Geomagnetic Reference Field—1975: U.S. Department of Commerce, National Technical Information Service PB-276 630, 139 p.

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SCALE 1:2,500,000
0 50 100 150 200 250 300 350 MILES
0 50 100 150 200 250 300 350 KILOMETERS
Albers Equal Area Projection