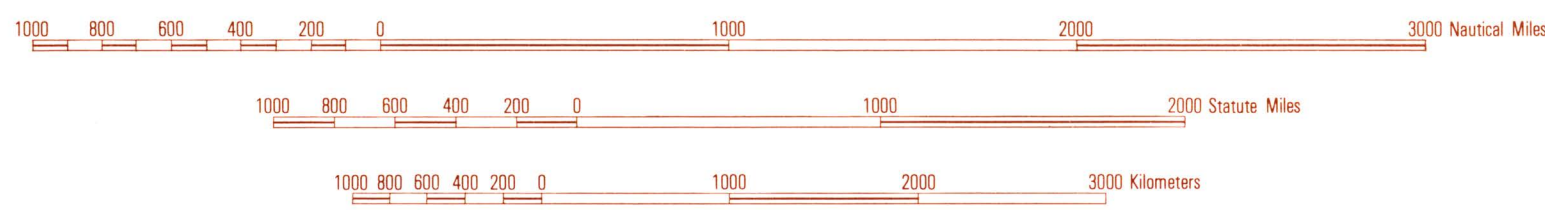


Map by U.S. Geological Survey, 1983

EXPLANATION

MAGNETIC INCLINATION
Red lines indicate the value of magnetic inclination in units of degrees. The symbol x indicates a local minimum or maximum. The labels *N* and *S* refer to north and south inclination, respectively.

ANNUAL CHANGE
Blue lines indicate the estimated rate of change in units of minutes of arc per year. The symbol x indicates a local minimum or maximum. The following procedure should be followed when applying annual change to the magnetic inclination. If the annual change is of the same direction (north or south) as the inclination it should be added and the inclination increasing. If the annual change is opposite in direction to the inclination it should be subtracted and the inclination is decreasing.



Van der Grinten projection
Scale 1:60,000,000
Not to scale

Boundary and name representation are not necessarily authoritative

THE MAGNETIC FIELD OF THE EARTH, 1980
MAGNETIC INCLINATION

Compiled by
E. B. Fabiano, N. W. Peddie, and A. K. Zunde
1983

NOTE

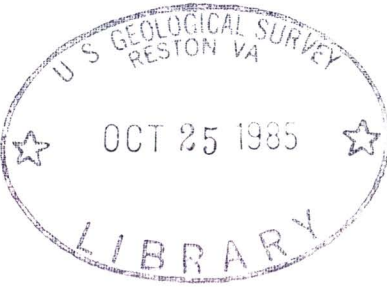
This map is one of a series of five World maps showing contours of various elements of the Earth's magnetic field at sea level. The series consists of declination, inclination, horizontal intensity, vertical intensity, and total intensity, all for the year 1980. The information on the Earth's magnetic field was derived from IGRF 1980, the International Geomagnetic Reference Field for 1980, a mathematical model consisting of solid internal spherical harmonics up to the tenth degree and order.

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The National Aeronautics and Space Administration, the National Oceanic and Atmospheric Administration, and the magnetic observatory and field survey personnel of the U.S. Geological Survey provided much of the data essential for the development of this series of maps.

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International Association of Geomagnetism and Aeronomy Division 1, Working Group 1, 1981, International geomagnetic reference fields: DGRF 1965, DGRF 1970, DGRF 1975, IGRF 1980; EOS (American Geophysical Union Transactions), v. 62, no. 49, p. 1169.



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