

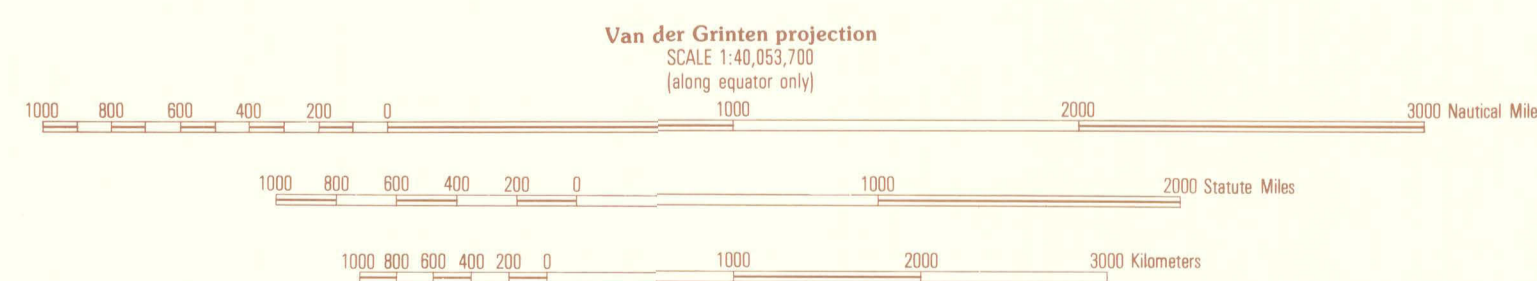
Map by U.S. Geological Survey, 1993

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EXPLANATION

VERTICAL INTENSITY
Red lines indicate the vertical intensity of the magnetic field, in thousands of nanoteslas. The red symbol x indicates a local minimum or maximum. Vertical intensity is considered positive or negative depending upon whether the north-seeking end of a balanced compass needle dips respectively below or above the horizontal plane.

ANNUAL CHANGE
Blue lines indicate the estimated rate of change of vertical intensity, in nanoteslas per year. The blue symbol x indicates a local minimum or maximum. To apply change, add algebraically.



**THE MAGNETIC FIELD OF THE EARTH, 1990
VERTICAL INTENSITY CHART**

By
Norman W. Peddie
1993

NOTE

This is one of five world charts showing the declination, inclination, horizontal intensity, vertical intensity, and total intensity of the Earth's magnetic field at mean sea level at the beginning of 1990. The charts are based on the International Geomagnetic Reference Field (IGRF) main-field model for 1990 and secular-change model for 1990-1995 (IAGA).

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Joe Cacciavillani skillfully assisted in the preparation of this chart.

REFERENCES CITED

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This map supersedes Peddie and Zunde, 1988.