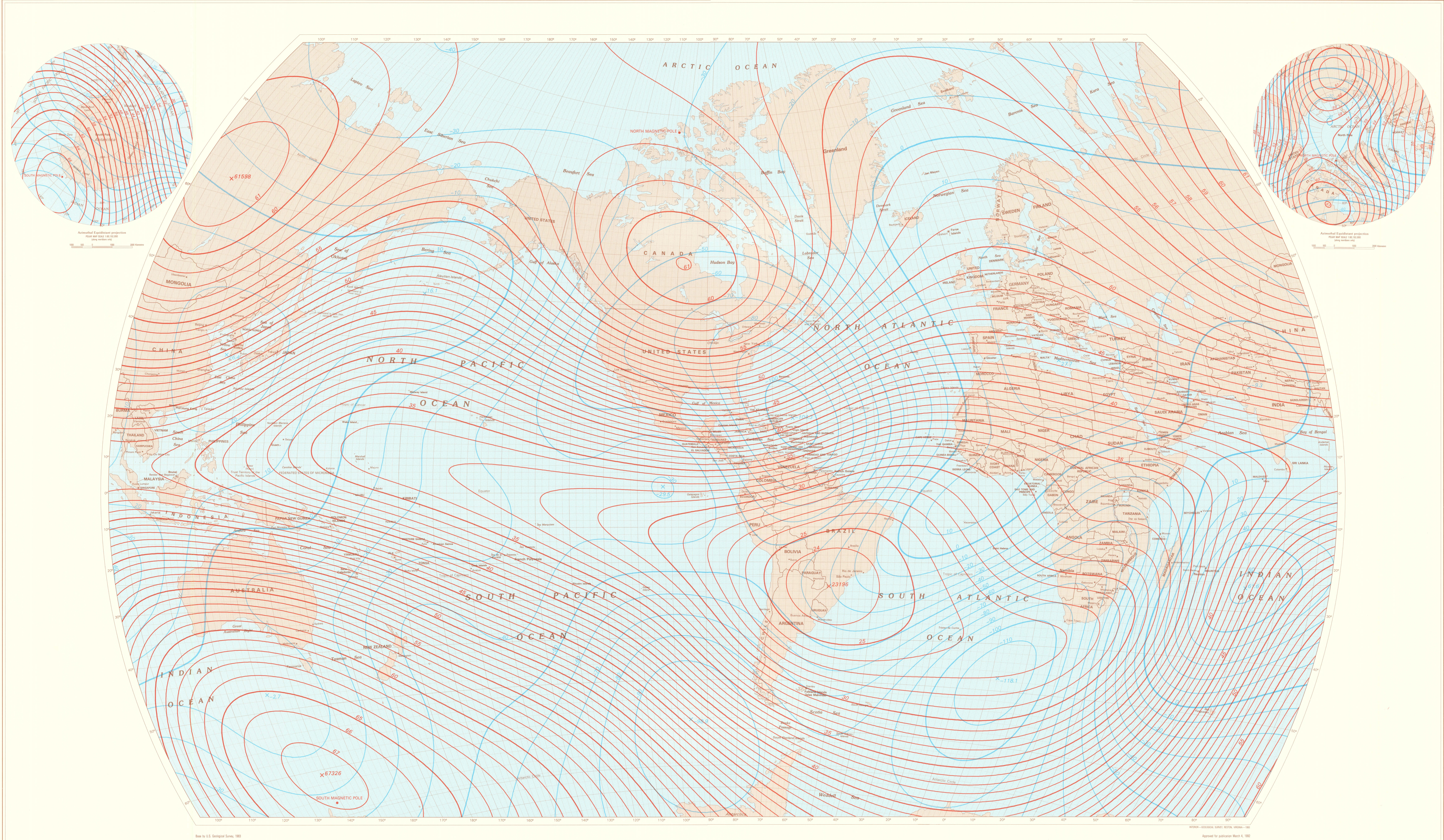




Base by U.S. Geological Survey, 1983

Approved for publication March 4, 1992

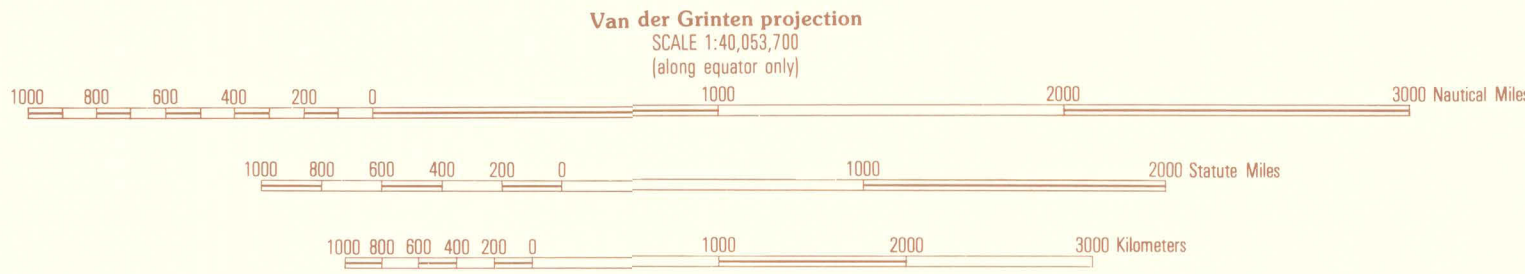
EXPLANATION

TOTAL INTENSITY

Red lines indicate the total intensity of the magnetic field, in thousands of nanoteslas. The red symbol x indicates a local minimum or maximum.

ANNUAL CHANGE

Blue lines indicate the estimated rate of change of total 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
TOTAL 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

IAGA, Division V, Working Group 8, 1992. IGRF: (International geomagnetic reference field), 1991 revision; EOS (Transactions of the American Geophysical Union), v. 73, no. 16, p. 182.
Peddie, N.W., and Zunde, A.K., 1988, The magnetic field of the Earth—1985; total intensity chart: U.S. Geological Survey Geophysical Investigations Map GP-987-F.
This map supersedes Peddie and Zunde, 1988.