

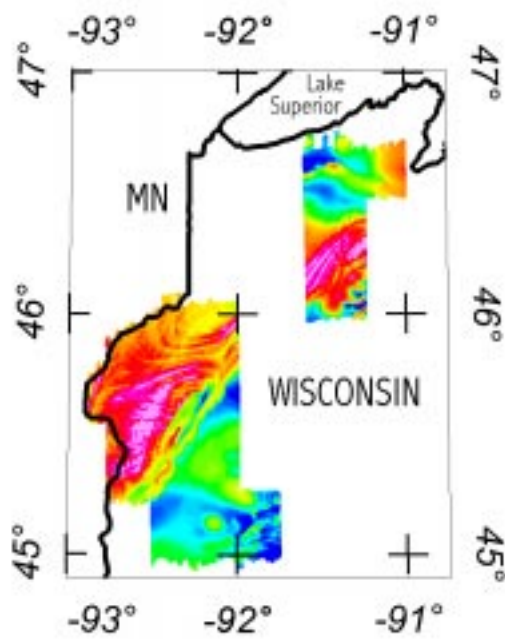
# **Aeromagnetic Surveying in Wisconsin 1996: Digital Data Files**

By

Stephen L. Snyder

U.S. Geological Survey Open-File Report 00-500

2000



## **Aeromagnetic Surveying in Wisconsin 1996: Digital Data Files**

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This CD-ROM contains aeromagnetic data for 3 areas in northwestern Wisconsin flown by the U.S. Geological Survey between August 1996 and September 1996. The survey was flown using a USGS-owned Fairchild Helio-Porter Short Take-Off and Landing (STOL) aircraft draped to topography at an average elevation of 500 feet (152 m) above ground. Flightlines of the aeromagnetic survey were oriented in a north-south direction at a spacing of ½ mile (805 m). No tie lines were flown. The three blocks of the survey required a total of about 6,700 line-miles (10,780 line-km) of flying.

The aeromagnetic data on this CD-ROM include: (1) Point measurements taken at 1/2-second intervals, giving 16 fields of data in ASCII format, including flightline number, latitude, longitude, diurnally-corrected magnetic intensity, residual (DGRF-removed) magnetic intensity, time, and altitude, (2) Grids of residual magnetic intensity using a Lambert Conformal Conic projection and given in several file formats, and (3) images of the aeromagnetic data and an index map, each given in 5 graphics formats.

Files on this CD-ROM disc were generated on a PC under the Microsoft Windows 98 operating system

and are most easily accessed by a PC using one of the common Windows operating systems. However, the folders and files are arranged such that the information and data may be accessed from a larger variety of computer systems.

A more complete description of the data is presented in file **wisc1996.pdf**, an Adobe Portable Document File (PDF), and as an equivalent file, **wisc1996.doc**, a Microsoft Word 2000 document. Both files contain imbedded color images of the magnetic field for this survey. To view the PDF document requires the Adobe Acrobat Reader software. It is a free viewer that has been downloaded from the Adobe web site and included on this disc. The text without images is also given in ASCII, as file **wisc1996.txt** which may be viewed in other DOS or Windows readers.

Sufficient hard disk space is needed to accommodate the ASCII point data files which range in size from 12.4 to 36.0 megabytes (mb). The minimum added requirements of the Acrobat reader for a Windows 95/98 installation is about 10 mb of hard disk space. This CD-ROM disc was produced in accordance with the ISO 9660 standard.

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### **U.S. Geological Survey Open-File Report 00-500**

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