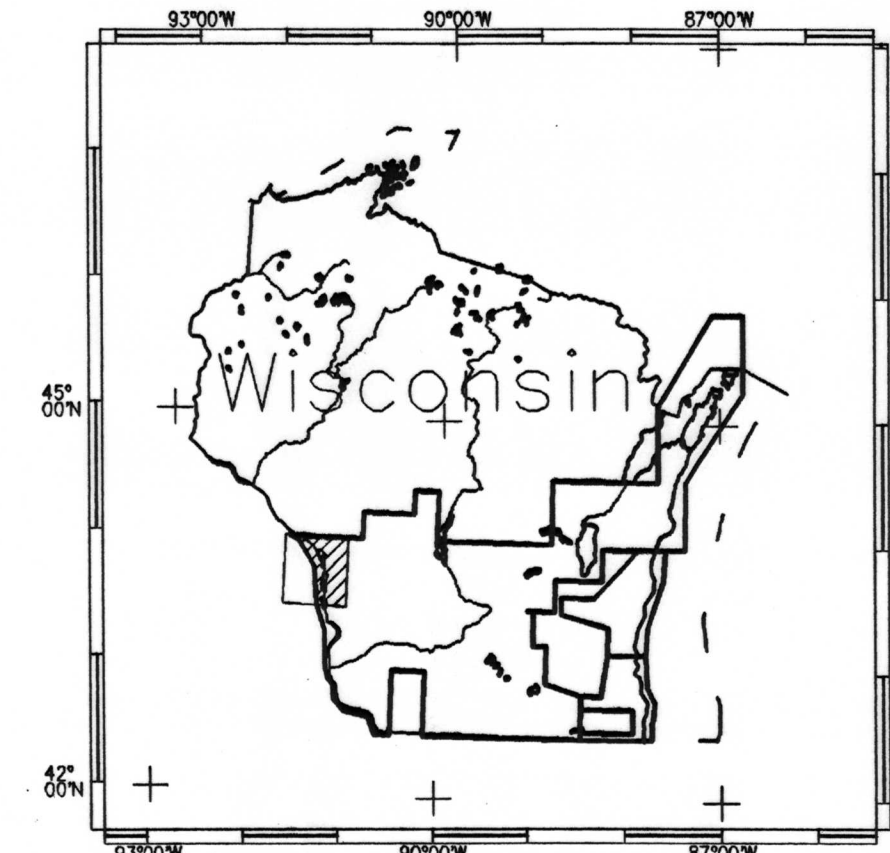
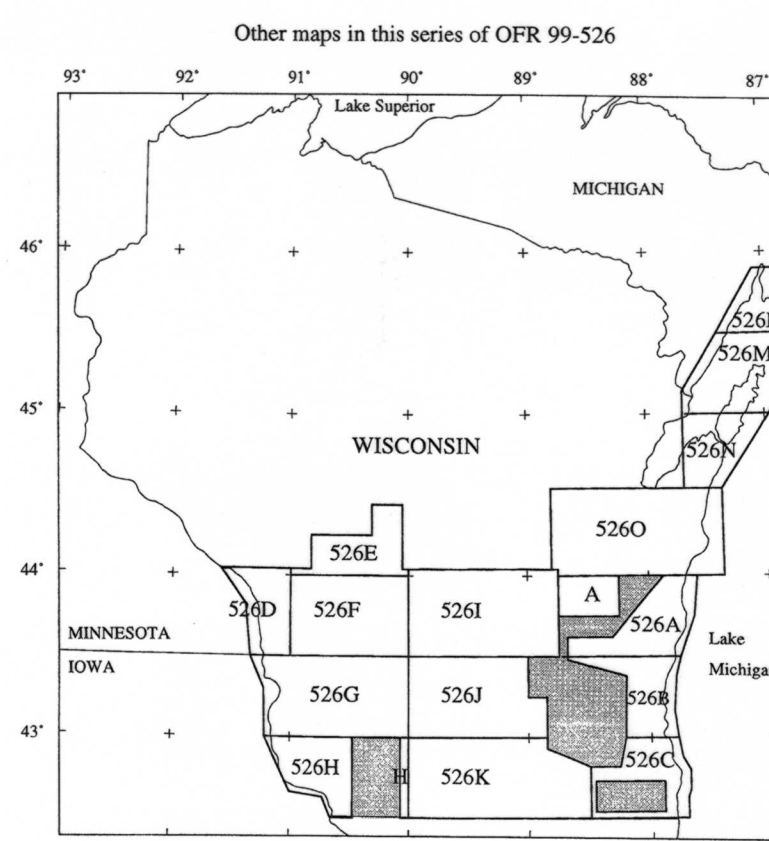
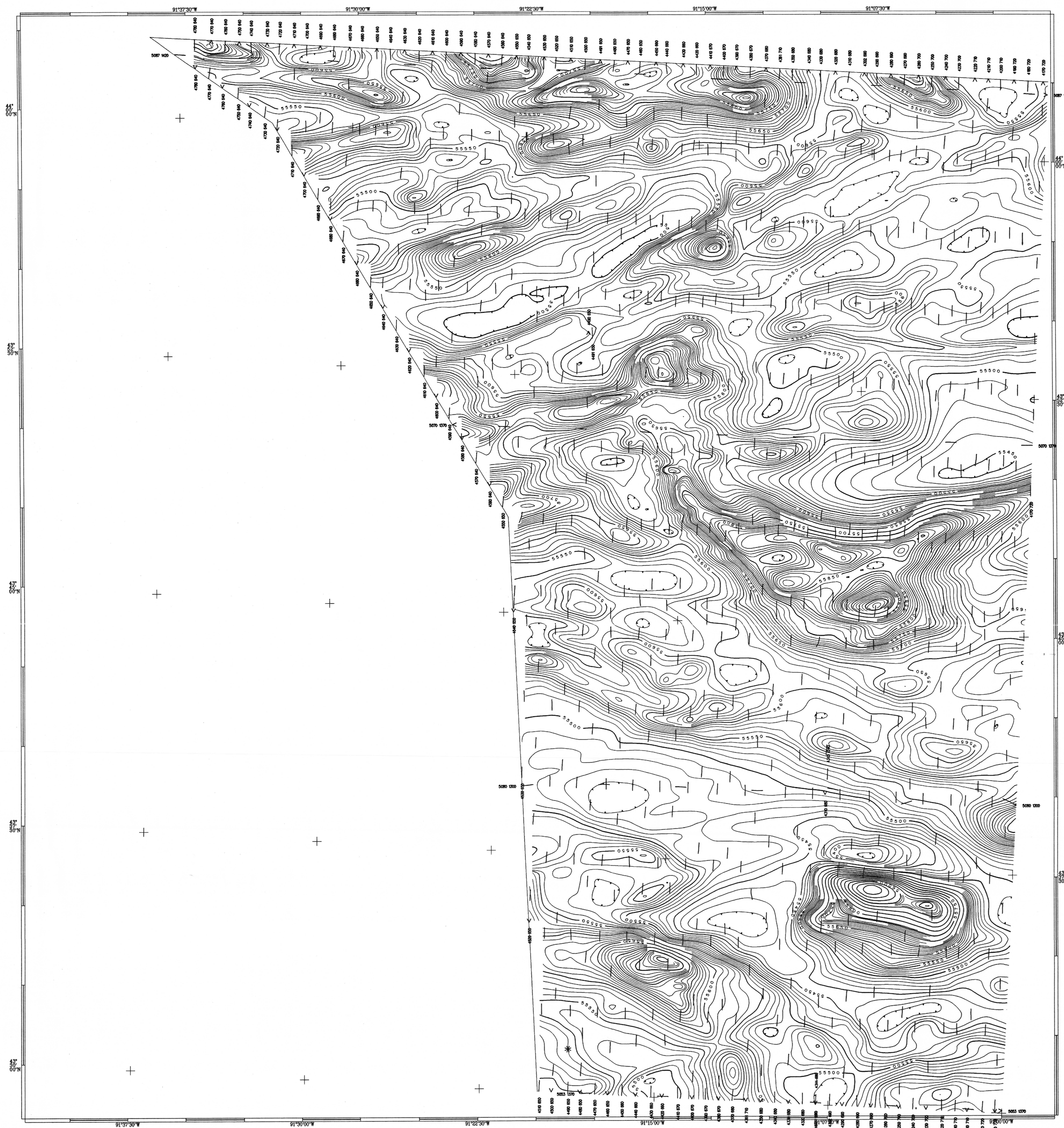


105
131
99-5260



SURVEY SPECIFICATIONS
Aircraft Altitude: 300m. a.g.l.
Sensor Altitude: 300m. a.g.l.
Line Spacing: 805m. Traverse / variable Control
Flight Direction: N-S Traverse / E-W Control

AIRCRAFT
Aviation Company: Brucelandair International
Manufacturer/Type: Cessna 205 (C-GNHN)
Survey Speed: 220 km/hr

EQUIPMENT
High-Sense GFCS II geophysical flight control system with the following sensors installed in the aircraft:
Magnetometer: Scintrex CS2 cesium
Radar Altimeter: Terra 3000
GPS Navigation: Novatel 3751 12 channel

COMPILATION
FLIGHT PATH:
GPS data recorded during the flight has been differentially corrected and transformed to correspond to the Clarke 1866 (NAD27), Mean Cont. USA coordinate system.
Projection: Universal Transverse Mercator
Local Datum Shift: $ax \ 4y \ 4z = 8 \ -160 \ -176$
Central Meridian: 87°W
False Easting/Northing: 500,000 m. 0 m.

Line Number 9020 2
Direction Indicator
Flight Number
Fiducial

Note: Reproduction for open-file may introduce minor errors in scale and projection.
MAGNETICS:
The magnetic data has been corrected for diurnal variation by a process of base station subtraction.
Heading errors have been eliminated by control-line levelling.

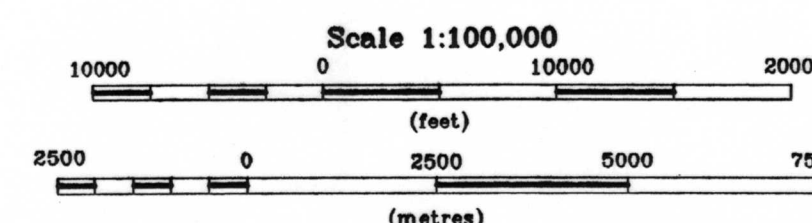
The grid interval is: 150 metres
The contour intervals are: 10, 50, 250 nT

*: LATITUDE: 43.52295° NORTH
LONGITUDE: 91.31357° WEST
RAW MAG: 56564.57 nT
IGRF'D MAG: -864.88 nT
DATE: 98-11-02
TIME: 15:33:08 UTC

AEROMAGNETIC SURVEY OF PARTS OF THE WINONA AND LA CROSSE 1:100,000 QUADRANGLES, WISCONSIN AND MINNESOTA

BY
U.S. GEOLOGICAL SURVEY
1999

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