DESCRIPTIVE NOTES FOR TOTAL FIELD MAPS

This map was compiled from digitally-recorded aeromagnetic survey data obtained using an inboard cesium vapour magnetometer which measured the total field with a resolution of 0.005 gamma. Flight altitude was 150 m above ground at 300 m average flight line spacing. Double control lines were flown at an average spacing of 7.5 kilometers.

The data was edited, compiled, levelled and gamma values for contouring interpolated on a square grid (0.25 cm grid spacing at 1:25,000 map scale) by computer processes.

The levelling process employed the two components of the double control line and the short segments of traverse which connected them where they were not exactly coincident. This data was used to minimize and distribute non-geological contributions from the total magnetic field profile along the control line.

The final data grid was contoured and plotted using the automatic contouring program and digital plotting facilities of Dataplotting Services Limited, Toronto.

Airborne survey and digital compilation was carried out by Resource Geophysics and Geochemistry Division, Geological Survey of Canada. The survey operations which took place in July and August 1983 using Beechcraft Queenair 65-880 aircraft C-FWZG, were funded under the Federal Mineral Program in Newfoundland (Canada-Newfoundland co-operative mineral program 1982-84).

No correction has been made for the regional gradient of the earth's magnetic field.

The survey data used to compile this map is available in digital form from the Geological Survey of Canada on a cost recovery basis.

ISOMAGNETIC LINES (absolute total field)

250 gammas .....

50 gammas .....

10-20 gammas .....

2 gammas .....

(1 gamma = 1 nanotesla in SI units)

Magnetic depression .....

Flight lines .....

Flight altitude: 150 m above ground level

GEOLOGICAL SURVEY OF CANADA — COMMISSION GÉOLOGIQUE DU CANADA

DEPARTMENT OF ENERGY, MINES AND RESOURCES
MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES

12 A/15e,f
NEWFOUNDLAND
TOTAL MAGNETIC FIELD

Scale 1:25 000 - Échelle 1/25 000

Metres 600 0 600 1200 1800 Mètres

Universal Transverse Mercator Projection
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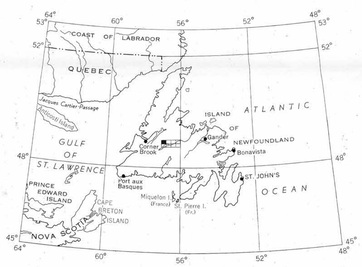

INDEX MAP

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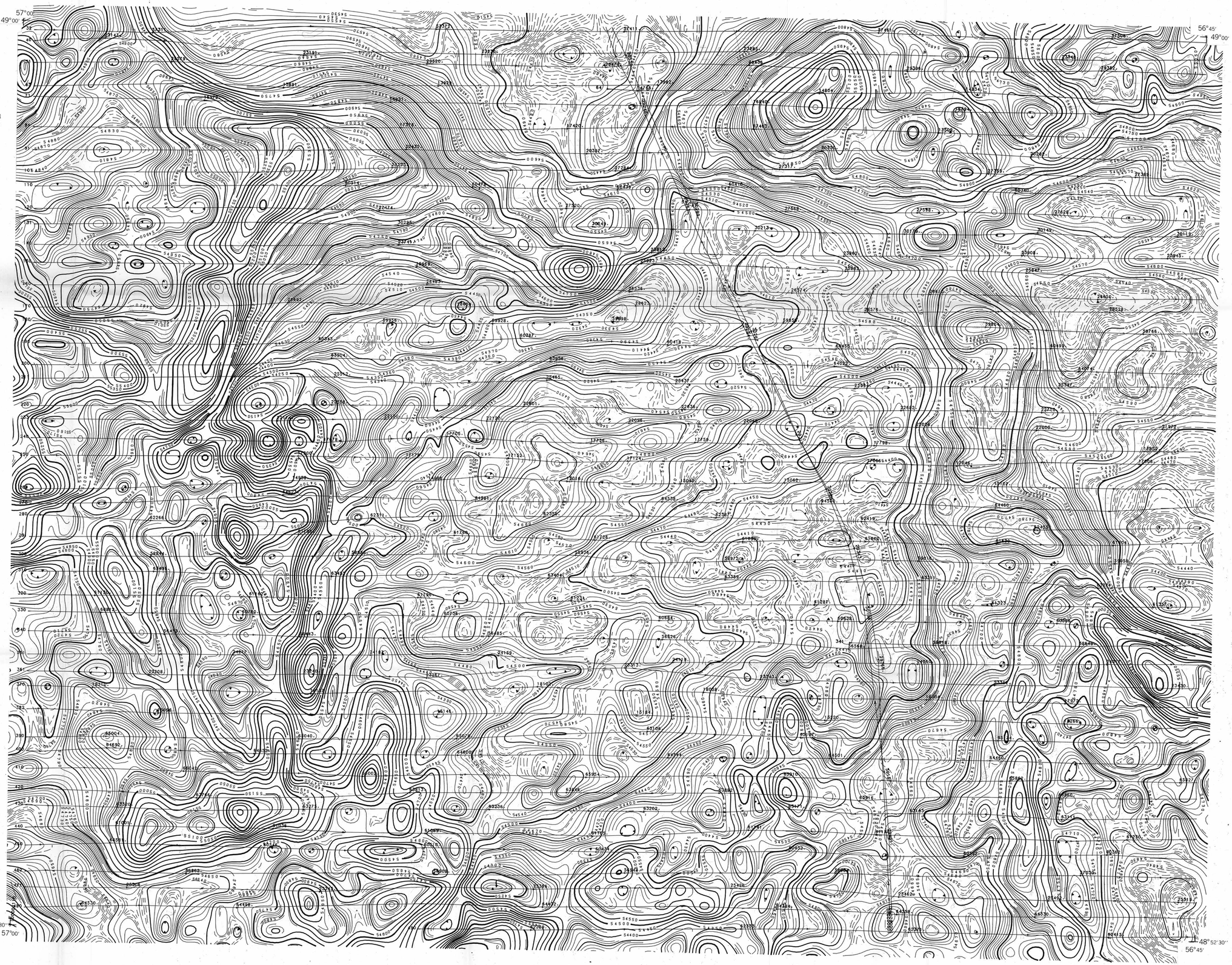

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