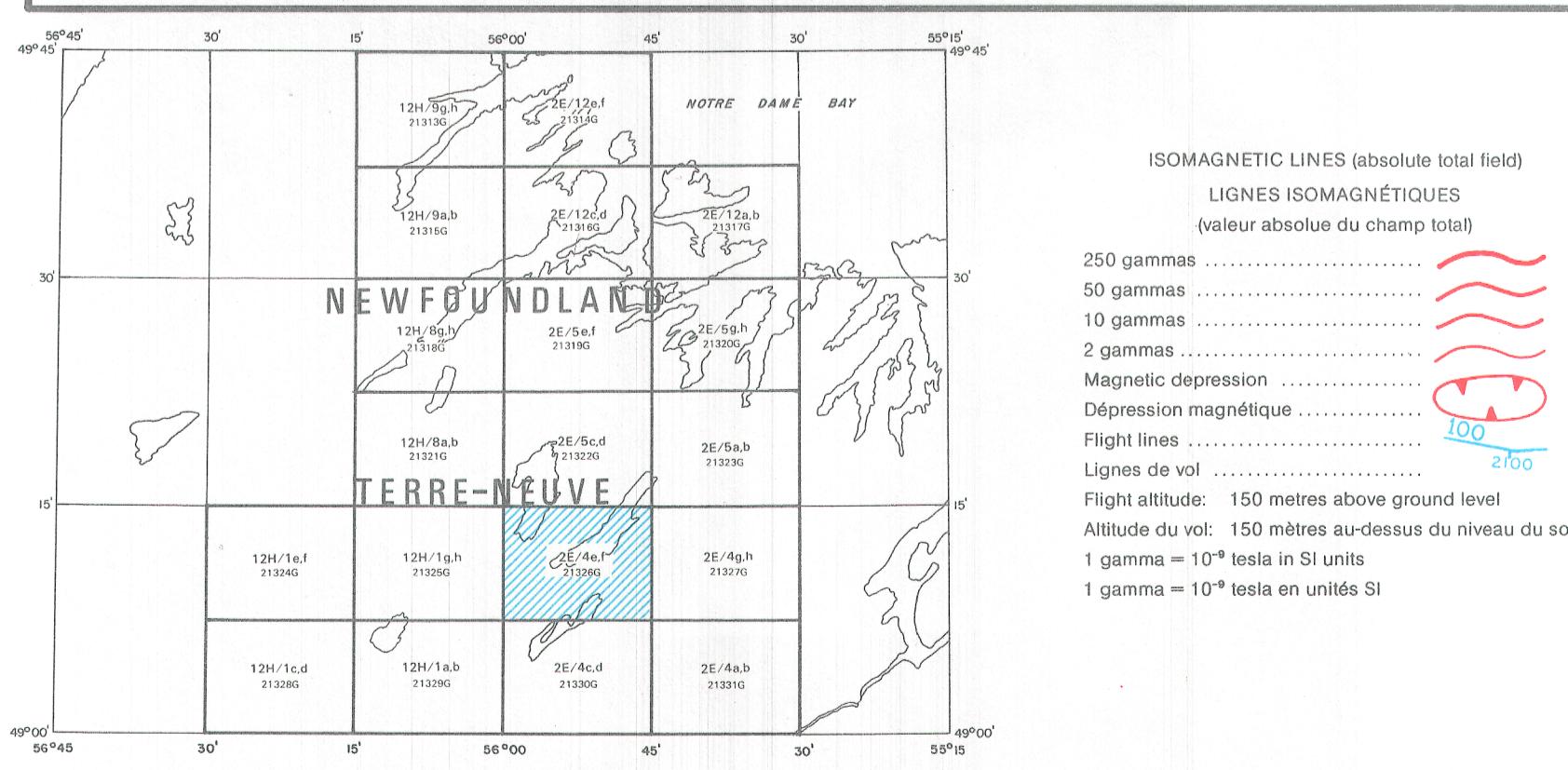


21326G/4e,f

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AEROMAGNETIC TOTAL FIELD MAP CARTE AÉROMAGNÉTIQUE DU CHAMP TOTAL

MAP 21326G CARTE

2E/4e,f NEWFOUNDLAND TERRE-NEUVE

SCALE 1:25 000-ÉCHELLE 1/25 000

Mètres 1000 500 0 1000 mètres

Funds for this survey were provided by the Geological Survey of Canada, under the Canada-Newfoundland Mineral Development Agreement, 1984-1989.
Cette étude a été subventionnée par la Commission géologique du Canada, en vertu de l'accord sur l'exploitation minérale entre le Canada et la Terre-Neuve, 1984-1989.

This map was compiled from data recorded during an aeromagnetic gradiometer survey carried out by Aerodat Limited using a roto-wing aircraft. Two oriented cesium vapour magnetometers were mounted in a bird towed 30 m below the helicopter. The magnetometers were vertically separated by a distance of 3 m with each measuring the total magnetic field at a resolution of 0.002 gamma. The survey period was from November 1986 to August 1987. The flight altitude of the bird was 150 m above ground level. The survey was flown at a spacing of 5 km along a north-south flight line. Control lines were flown at an average spacing of 5 km. The flight path was affected using a Sydics radio positioning system supplemented by a vertically mounted video camera.

The total field data from the lower magnetometer were edited, compiled, leveled and gamma values for contours. Interpolations were made on a grid of 25 cm spacing at a published map scale of 1:25 000. The survey was planned to provide a vertical control network of 5 km. Differences of magnetic level at the intersections due to non-geological sources were removed by the regional gradient of the earth's magnetic field. The airframe survey and digital compilation, including gridding and contouring, were carried out by Aerodat Limited. The data were then transferred to the Geological Survey of Canada for the preparation of this aeromagnetic map published by the Department of Energy, Mines and Resources, Ottawa.

Copies of this map may be obtained from the Department of Mines and Energy, St. John's, Newfoundland, or the Geological Survey of Canada, Ottawa. The survey data used to compile this map are available in digital form from the Geological Survey of Canada at the cost of retrieval and copying.

MAP 21326G CARTE

2E/4e,f
NEWFOUNDLAND
TERRE-NEUVE

