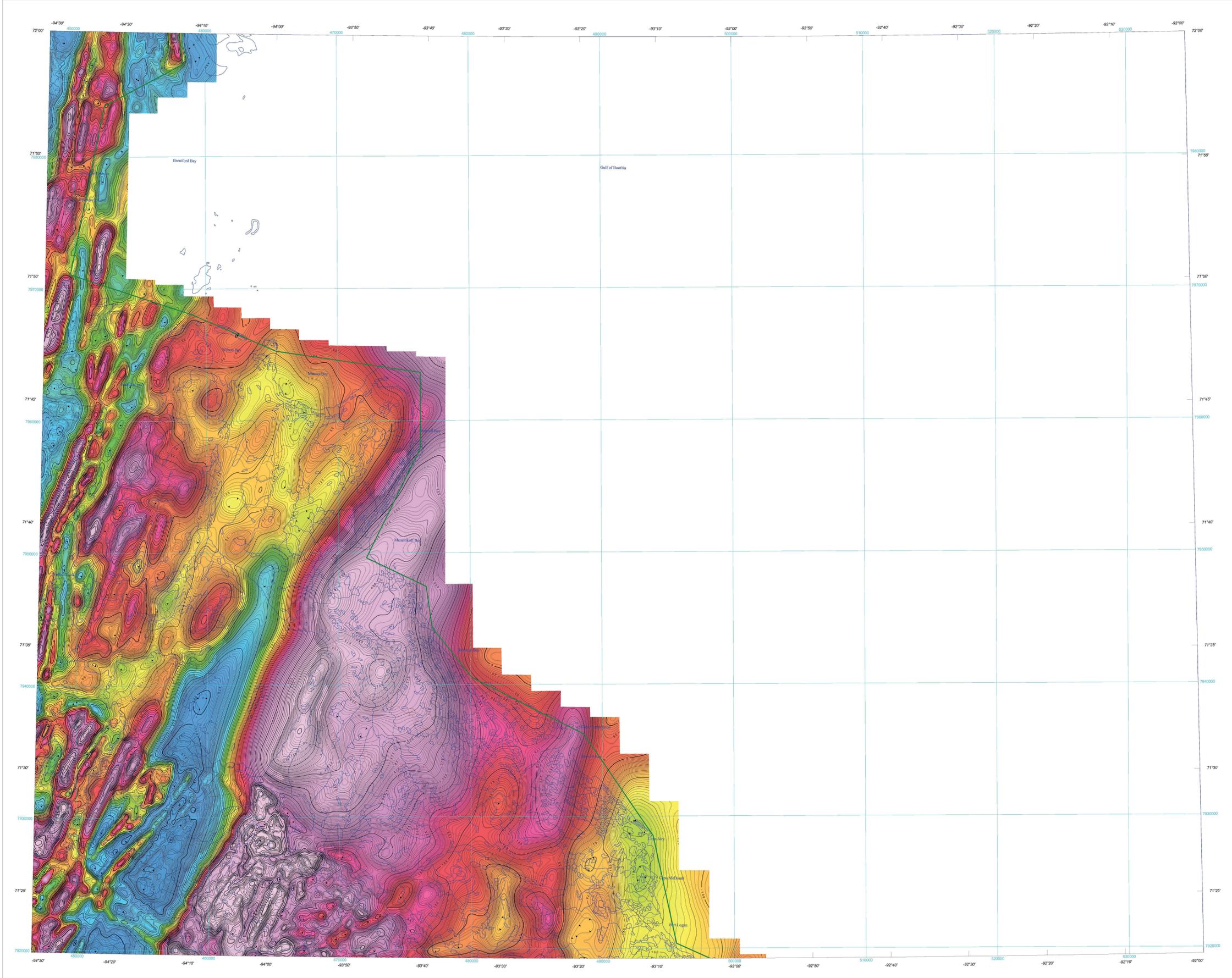


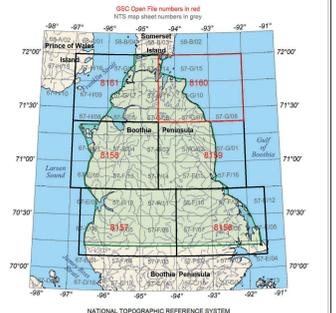
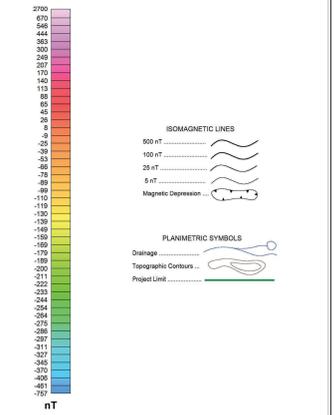
RESIDUAL TOTAL MAGNETIC FIELD



Residual Total Magnetic Field
 This map of the residual total magnetic field was derived from data acquired during an aeromagnetic survey carried out by Sander Geophysics Limited from March 15, 2016 to July 3, 2016. The data were recorded using split-beam cesium vapour magnetometers (sensitivity = 0.002 nT) mounted in each of the tail booms of two Cessna 208B Grand Caravan aircraft (C-GSGJ and G-GSOV). The nominal traverse and control line spacings were, respectively, 400 m and 2500 m, and the aircraft flew at a nominal terrain clearance of 150 m. Traverse lines were oriented N090°E with orthogonal control lines. The flight path was recovered following post-flight differential corrections to the raw Global Positioning System (GPS) data and inspection of ground images recorded by a vertically-mounted video camera. The survey was flown on a pre-determined flight surface to minimize differences in magnetic values at the intersections of control and traverse lines. These differences were computer-analysed to obtain a mutually levelled set of flight-line magnetic data. The levelled values were then interpolated to a 100 m grid. The International Geomagnetic Reference Field (IGRF) defined at the average GPS altitude of 385 m for the year 2016.25 was then removed. Removal of the IGRF, representing the magnetic field of the Earth's core, produces a residual component related almost entirely to magnetizations within the Earth's crust.

This publication is available for free download through GEOSCAN (<http://geoscan.nrcan.gc.ca/>). Corresponding digital profile and gridded data as well as similar data for adjacent airborne geophysical surveys are available from Natural Resources Canada's Geoscience Data Repository for Aeromagnetic data at <http://air.geoscan.nrcan.gc.ca/index.nsf>. The same products are also available, for a fee, from the Geophysical Data Centre, Geological Survey of Canada, 601 Booth Street, Ottawa, Ontario K1A 0E8. Telephone: (613) 995-5326, email: info@geoscan.nrcan.gc.ca.

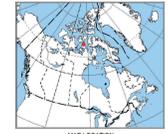
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GEOLOGICAL SURVEY OF CANADA OPEN FILE 8160
RESIDUAL TOTAL MAGNETIC FIELD
 AEROMAGNETIC SURVEY OF THE NORTHERN BOOTHIA PENINSULA II
 NUNAVUT
 NTS 57-G/10, 15 and parts of 57-G/6, 7, 11, 14
 Scale 1:100 000
 Universal Transverse Mercator Projection
 1983 datum
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 Topographic Data from Natural Resources Canada
 Custom Interval 500 metres



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 Geological Survey of Canada, Open File 8160,
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