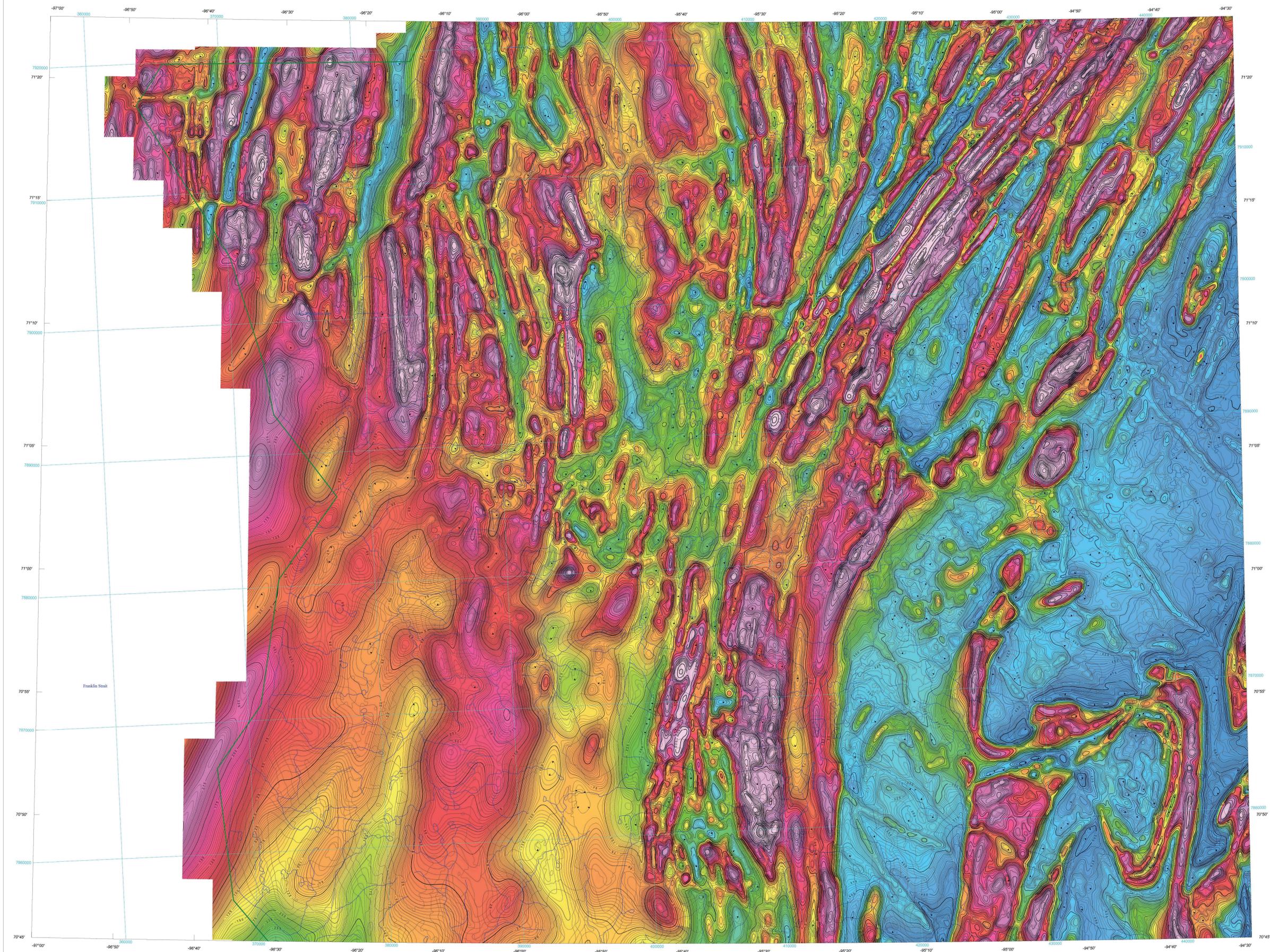


RESIDUAL TOTAL MAGNETIC FIELD



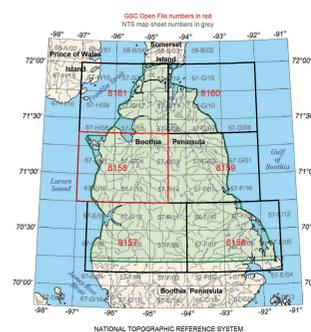
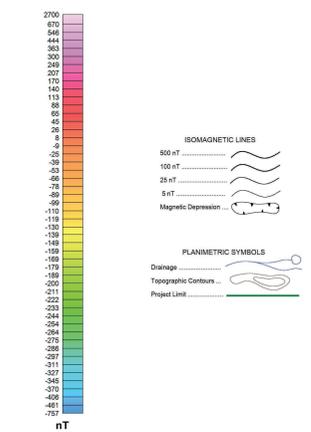
Residual Total Magnetic Field

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, 2015 to July 3, 2016. The data were recorded using eight-axis cesium vapour magnetometers (sensitivity = 0.005 nT) mounted in each of the tail booms of two Cessna 208B Grand Caravan aircraft (CG-550L and G-550V). The normal traverses and control line spacings were, respectively, 450 m and 2150 m, and the aircraft flew at a nominal terrain clearance of 150 m. Traverse lines were oriented N090E 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 350 m for the year 2015.35 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://gdr.nrcan.gc.ca/index.html>. The same products are also available, for a fee, from the Geophysical Data Centre, Geological Survey of Canada, 921 Booth Street, Ottawa, Ontario K1A 0E8. Telephone: (613) 995-5326, email: info@gsd.nrcan.gc.ca.

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 AEROMAGNETIC SURVEY OF THE NORTHERN BOOTHIA PENINSULA II
 NUNAVUT
 NTS 57-F/13, G/4, 67-E/16, H/1 and parts of 57-F/14, G/3, 5, 6, 67-H/8



AEROMAGNETIC SURVEY OF THE NORTHERN BOOTHIA PENINSULA II

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