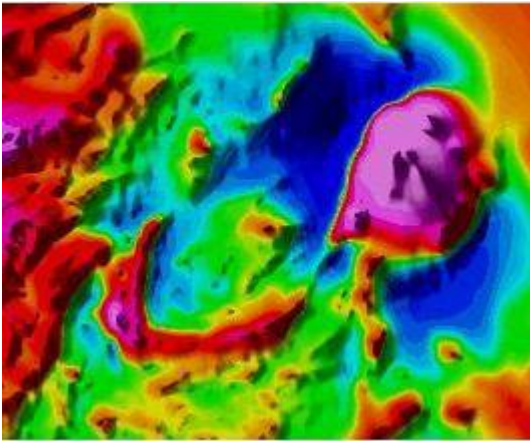


Aeromag 1998

Description of an aeromagnetic survey in Greenland 1998



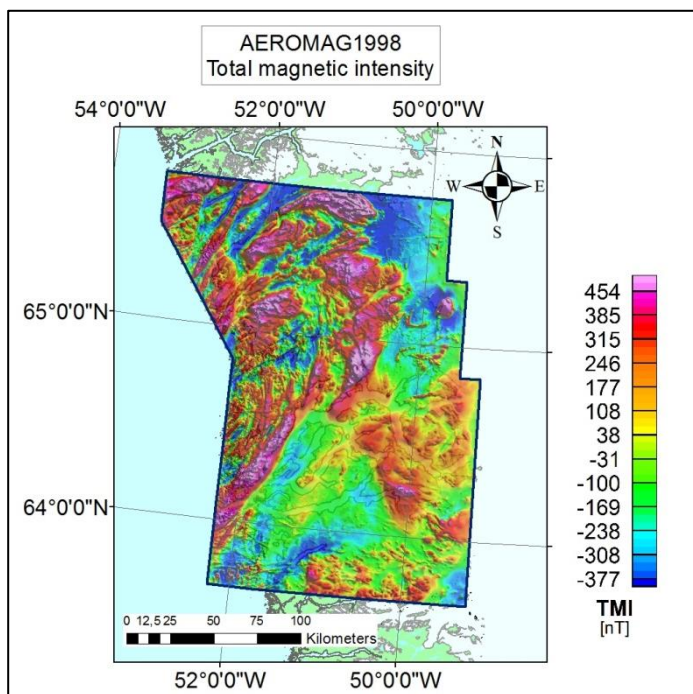
The spectacular 20 000 nT anomaly of the Isua banded iron formation.

The Aeromag 1998 survey was conducted in southern West Greenland (size: 31 972 km²). The survey block covered parts of the Archaean craton between 63°40'N and 65°45'N. Data are collected and processed by Sanders Geophysics Ltd. and the survey was financed by the Government of Greenland. The regular line direction was north-south with orthogonal tie-lines. The regular lines had a separation of 500 metres whereas the tie-lines were flown with a spacing of 5000 metres.

The Aeromag 1998 project area covers several known mineral occurrences including the Isua greenstone belt with its iron deposits and gold mineralisations, and part of the West Greenland kimberlite province. The Isua belt is seen as one of the most spectacular anomalies in the area.

In the northern half of the survey area, an irregular area between 51°W and 52°W was excluded because of coverage by an existing data set obtained in 1995 by project AEM Greenland 1995. Magnetic data from this project are merged with magnetic data from the Aeromag 1998 project to give a homogeneous data set for the entire region.

During project Aeromag 1998, a small follow-up survey was carried out in the Disko Ø area previously surveyed by project Aeromag 1997.



Total magnetic intensity map from the Aeromag 1998 survey in southern West Greenland.

Data compilations can be directly downloaded from [Greenland Portal](#) by entering "Geophysics – individual surveys" and selecting this survey. To order hardcopies of map sheets, please contact Geus by email bhm@geus.dk.

Selected references:

- Rasmussen, T.M. & Thorning, L. 1999: Airborne geophysical surveys in Greenland 1998. *Geology of Greenland Survey Bulletin* **183**, 34-38.
- Wendorff, L. 1998: Project report. High resolution aeromagnetic survey. Aeromag '98 - Nuuk, Greenland. Sander Ltd. December 23. 1998. Unpublished report available from GEUS, 29 pp., 9 app. + data vol.