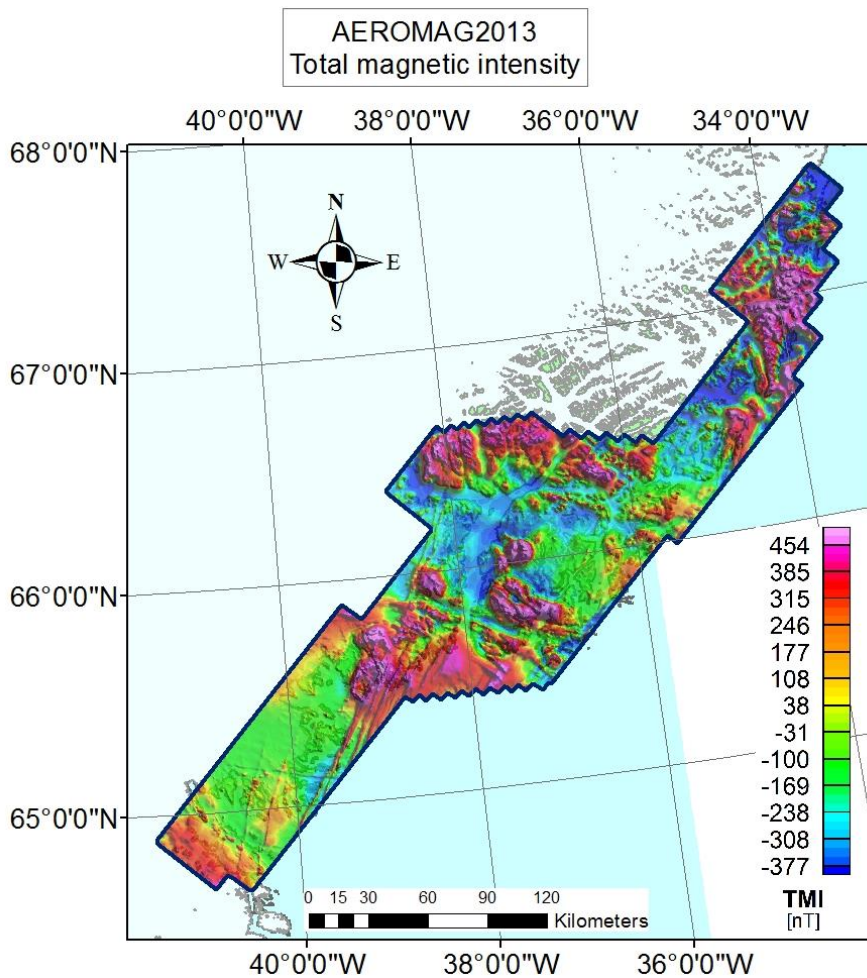


Aeromag 2013

Description of an aeromagnetic survey in Greenland 2013

The Aeromag 2013 survey covered coastal region of the south-eastern Greenland, from 65°45'N to 67°30'N (size: 30 100 km²). Data were collected and processed by EON Geosciences Ltd. and the survey was financed by the Government of Greenland. The survey lines were NE-SW- oriented and had a separation of 500 m, but the orthogonal tie-lines had a line spacing of 5000 m. The survey was a part of the mineral resource assessment program for southeast Greenland 2009-2015.

The Aeromag 2013 survey covers the Palaeoproterozoic Ammassalik mobil belt that consists of reworked Archaean rocks with minor supracrustal rocks and several Palaeoproterozoic intrusives. In the central part of the survey area strong magnetic anomalies are associated with felsic and mafic intrusions; some of them are assigned to southeast trending Ammassalik Intrusive Complex that is formed during a collisional orogeny in the Palaeoproterozoic. In the northern part of the area, Palaeogene intrusions and coast-parallel dykes are mapped, but in the southern part of the survey area NNE-SSW trending subparallel linear positive anomalies are observed in the magnetic data both in offshore and coastal regions and most likely represent large Palaeogene dykes.



Total magnetic intensity map from the Aeromag 2013 survey in south eastern Greenland from 65°45'N to 67°30'N.

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 reference:

- Riisager, P. & Rasmussen, T.M. 2014: Aeromagnetic survey in south-eastern Greenland: project Aeromag 2013. *Geology of Greenland Survey Bulletin – Review of Survey Activities*, **31**, 63-66.
- EON Geosciences Inc., 2013, High Resolution Aeromagnetic Survey – Southeast Greenland, Aeromag 2013 Block. Final Survey Report. 34 pp.