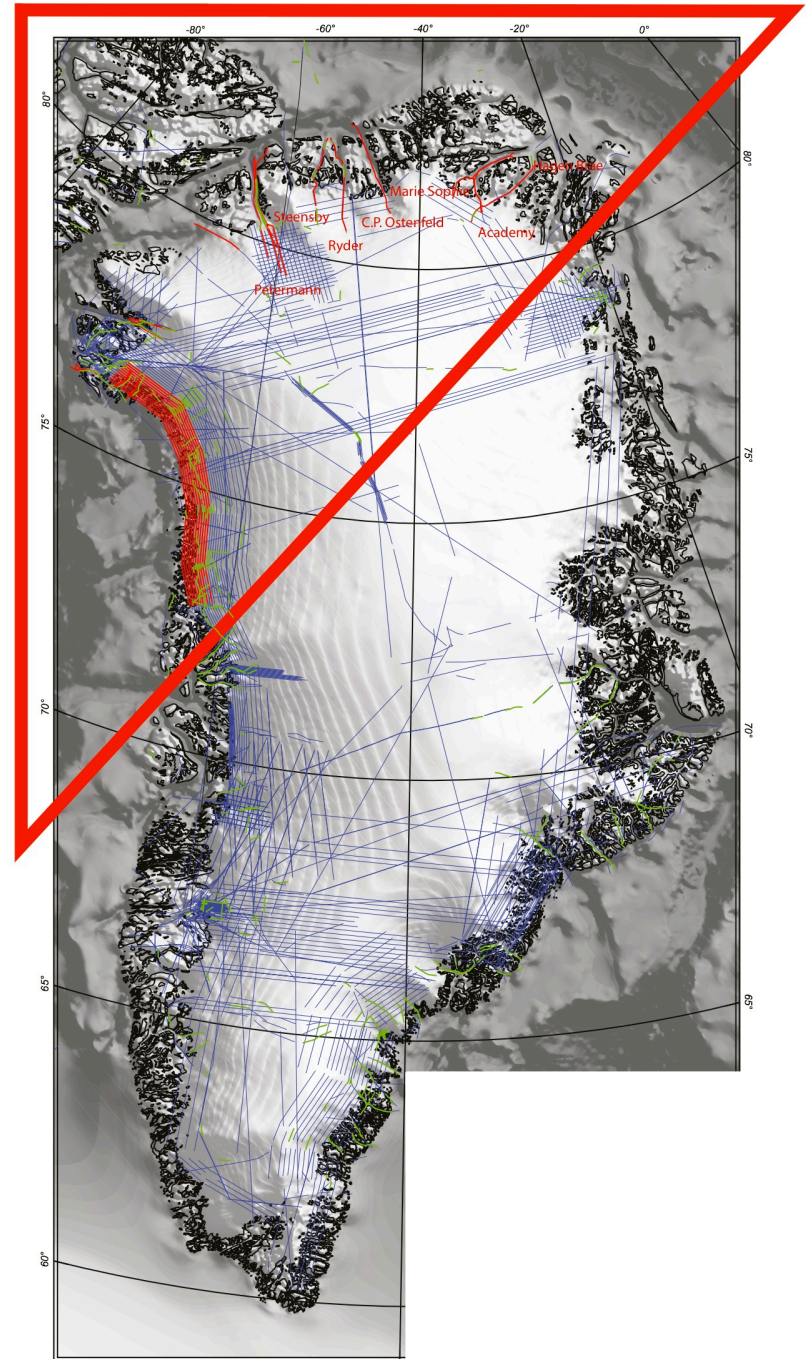


Bathymetry in fjords of Northwest Greenland from Operation IceBridge aerogravity.

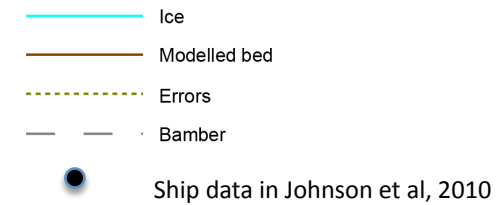
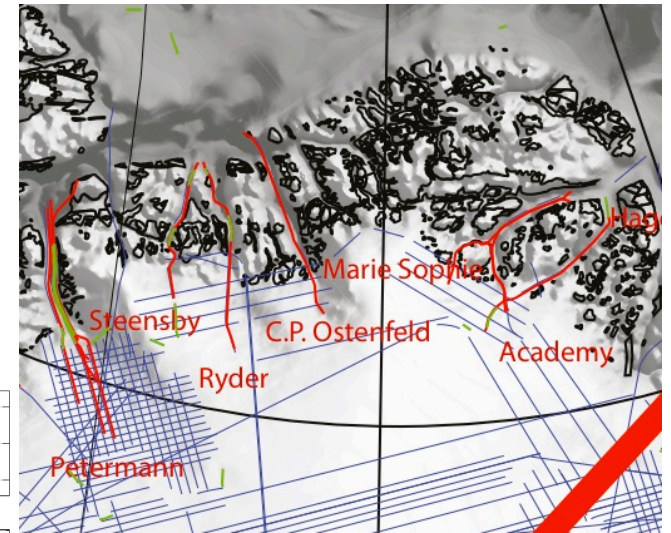
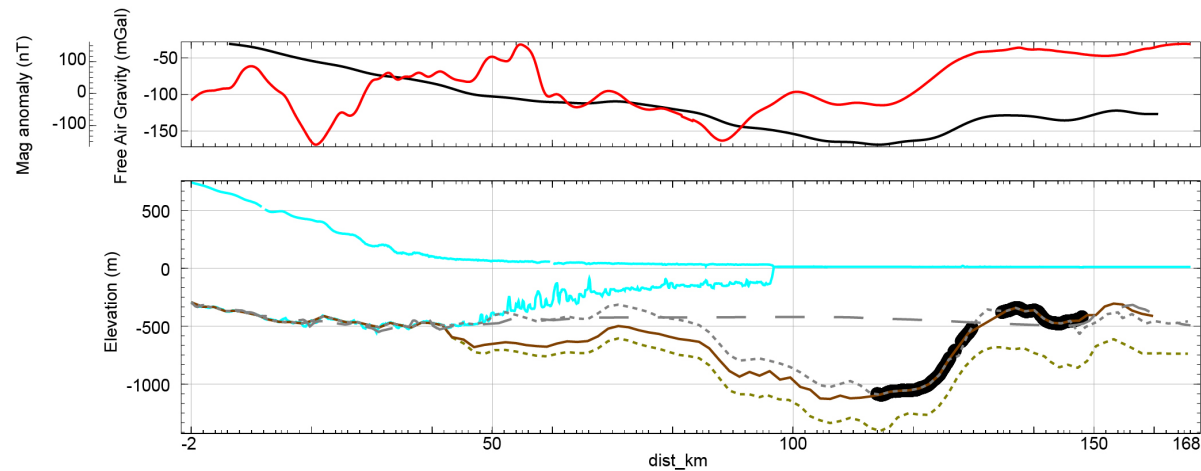
Kirsty Tinto, Alex Boghosian, Jim Cochran, Robin Bell, Dave Porter

Lamont-Doherty Earth Observatory
COLUMBIA UNIVERSITY | EARTH INSTITUTE

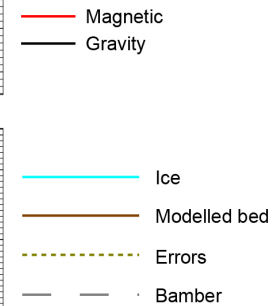
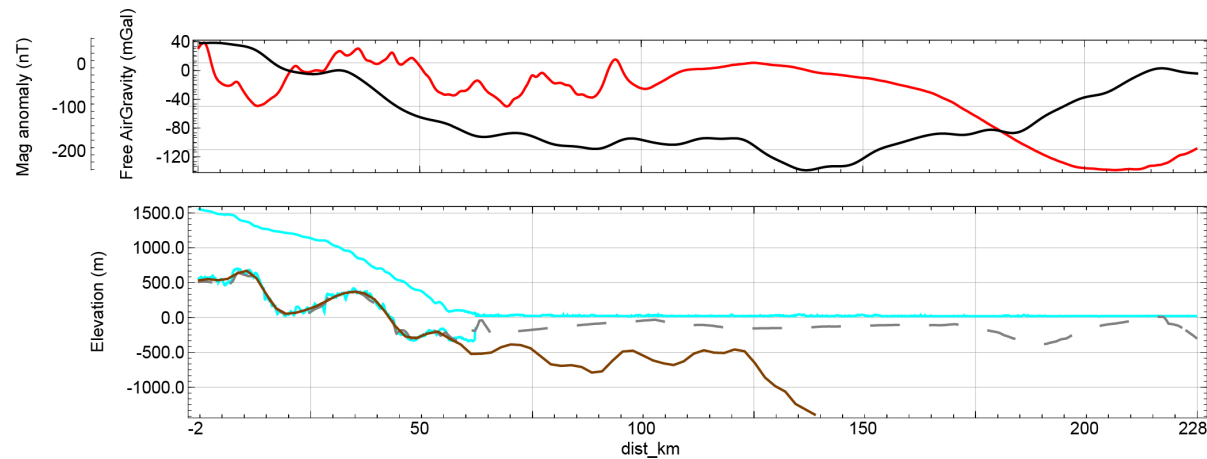


Profile models

Petermann

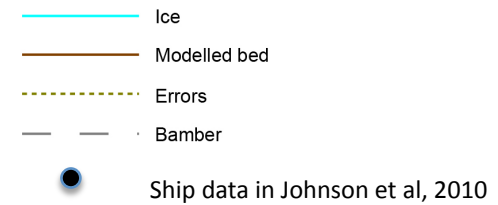
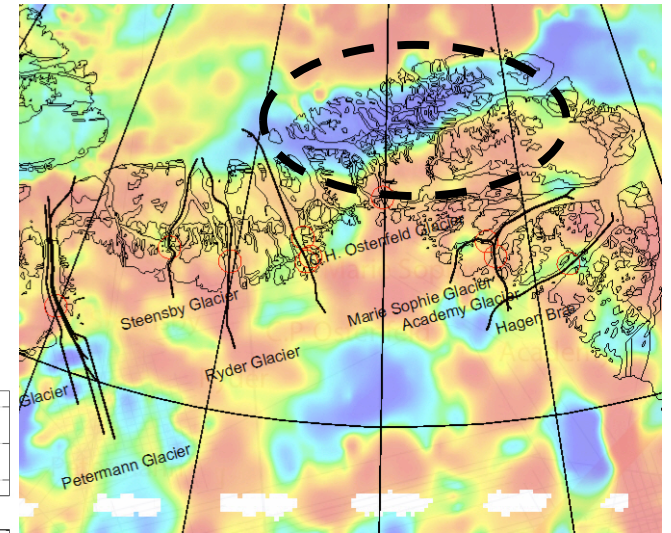
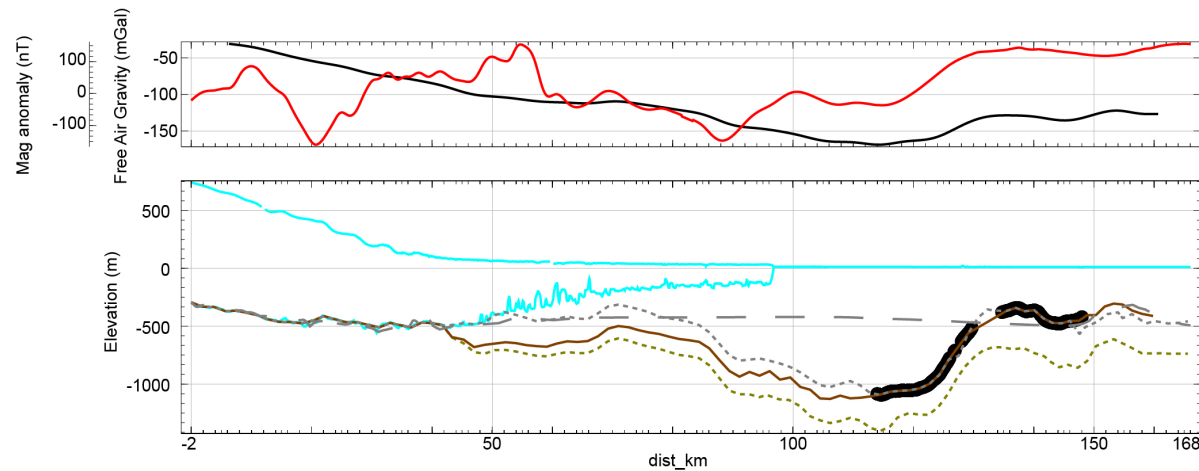


C.H. Osterfeld

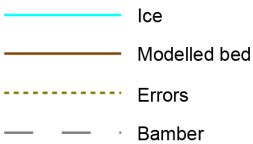
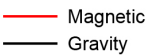
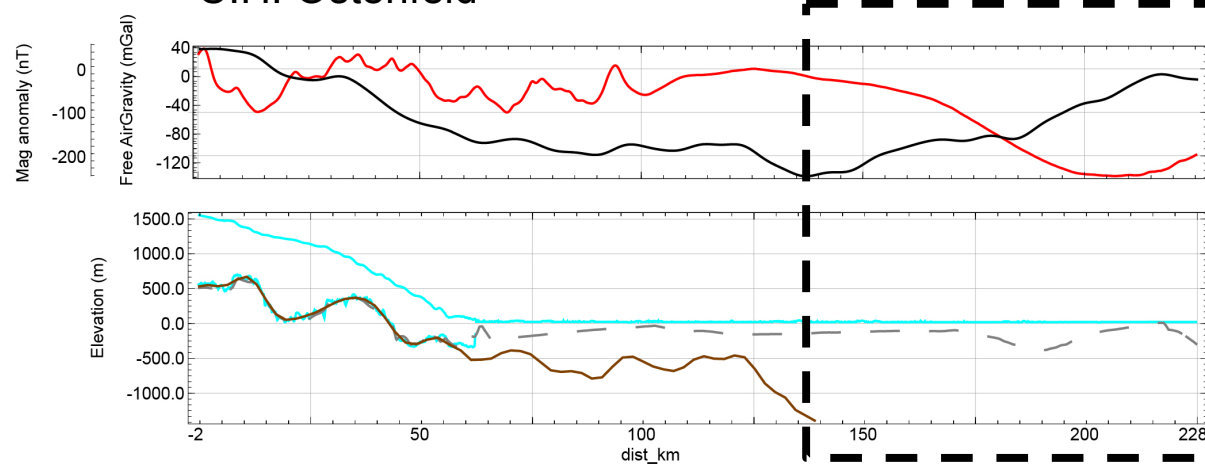


Profile models

Petermann



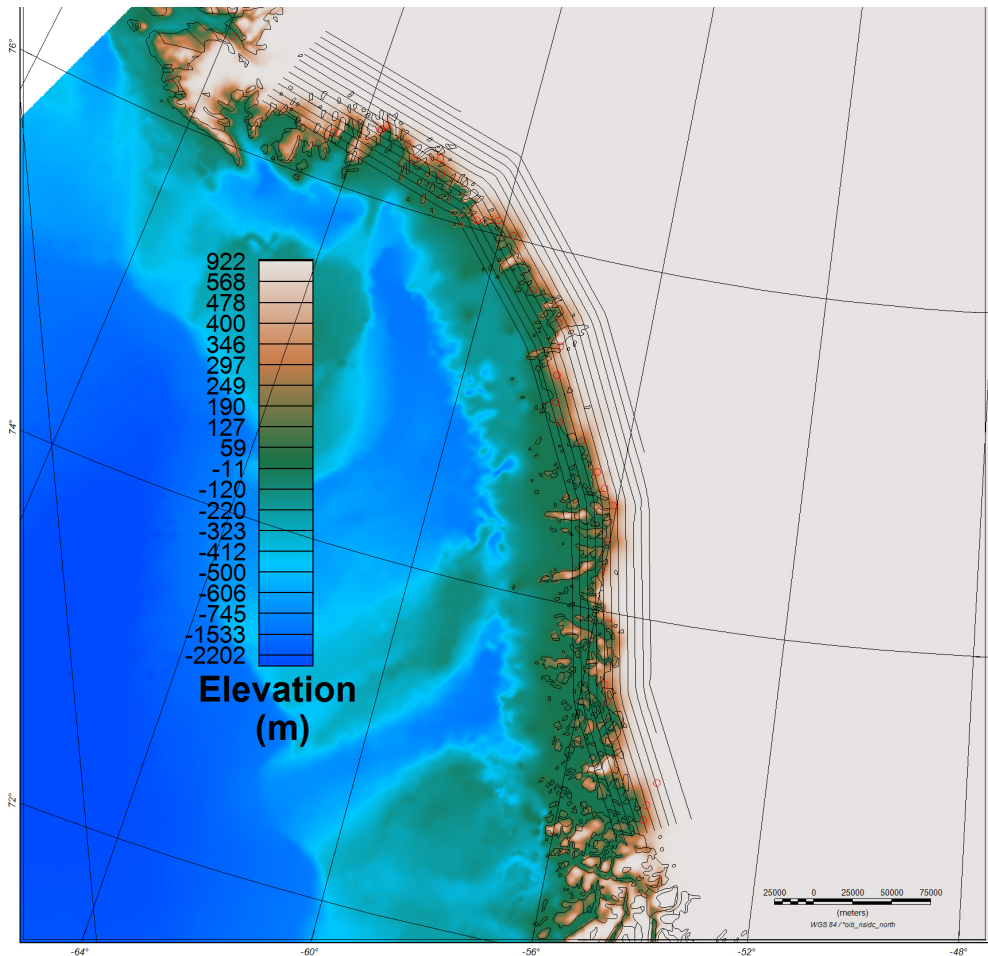
C.H. Ostenfeld



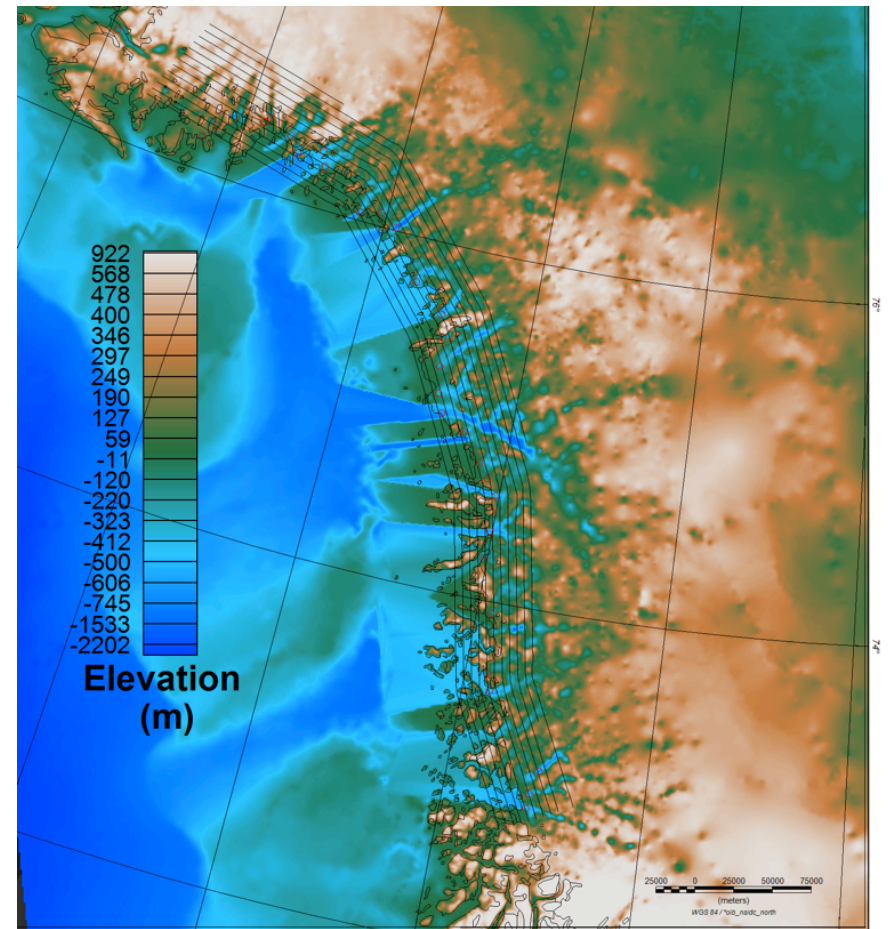
Uncertainty 50 – 200 m
5 km length scale

Offshore grid of Northwest Fjords

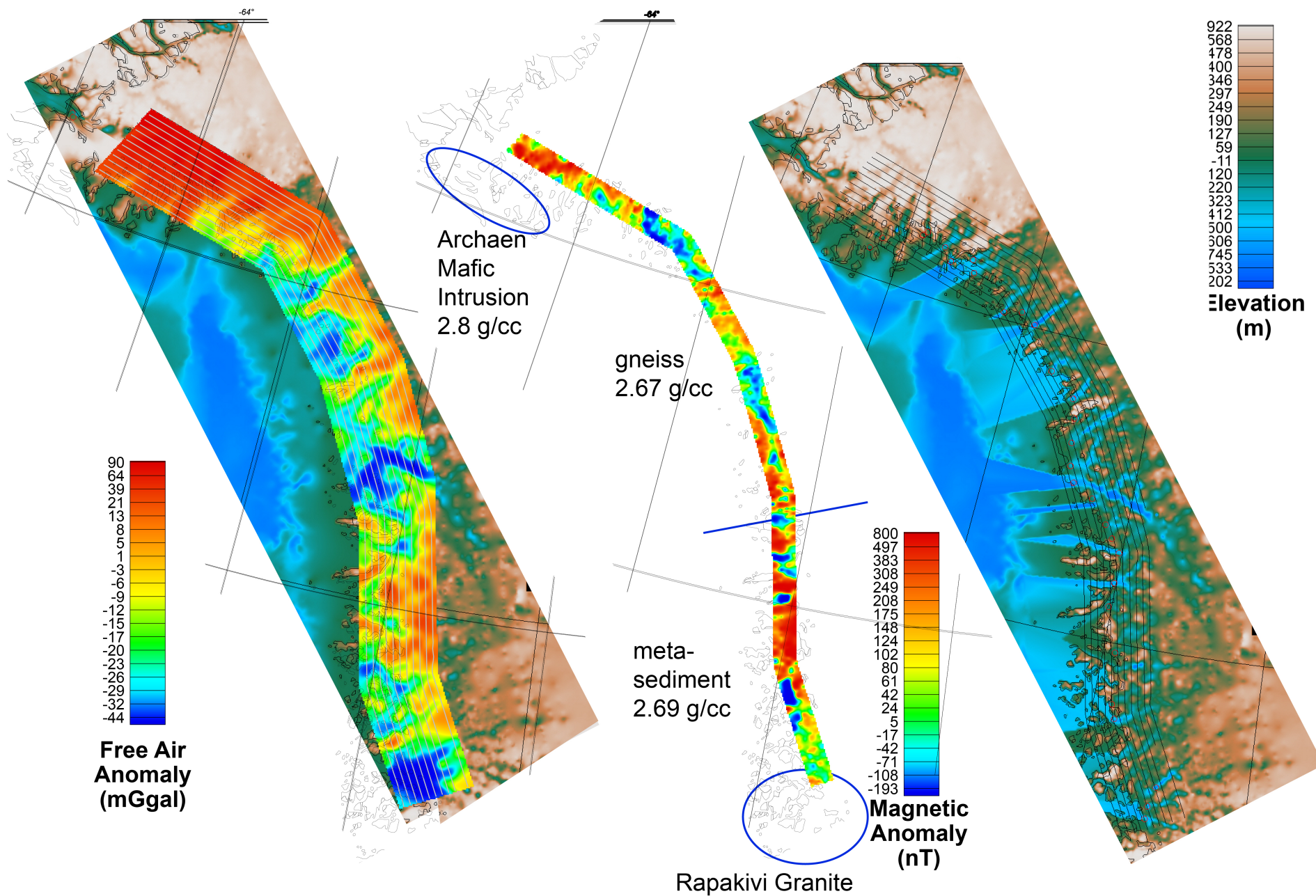
– a step closer to pathways across the shelf

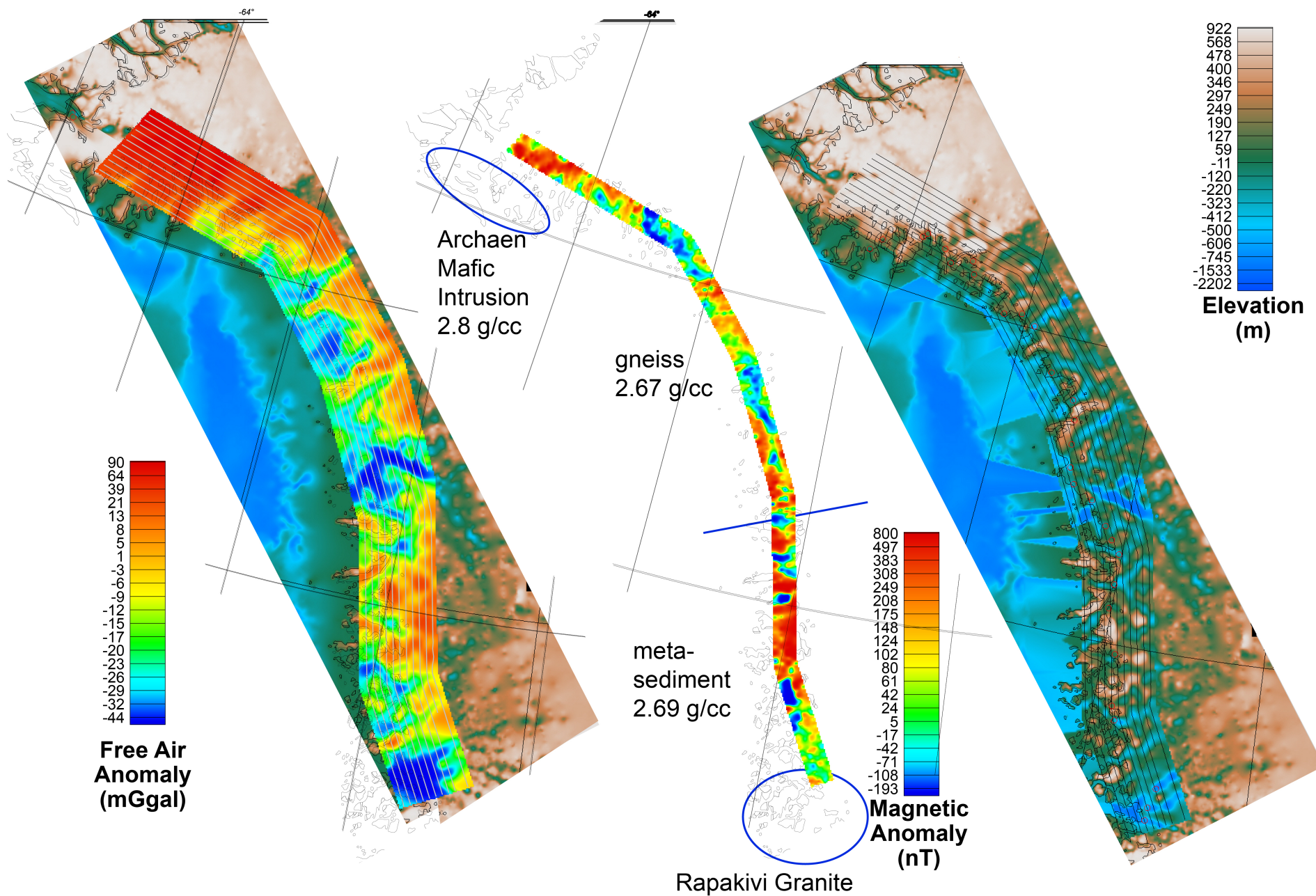


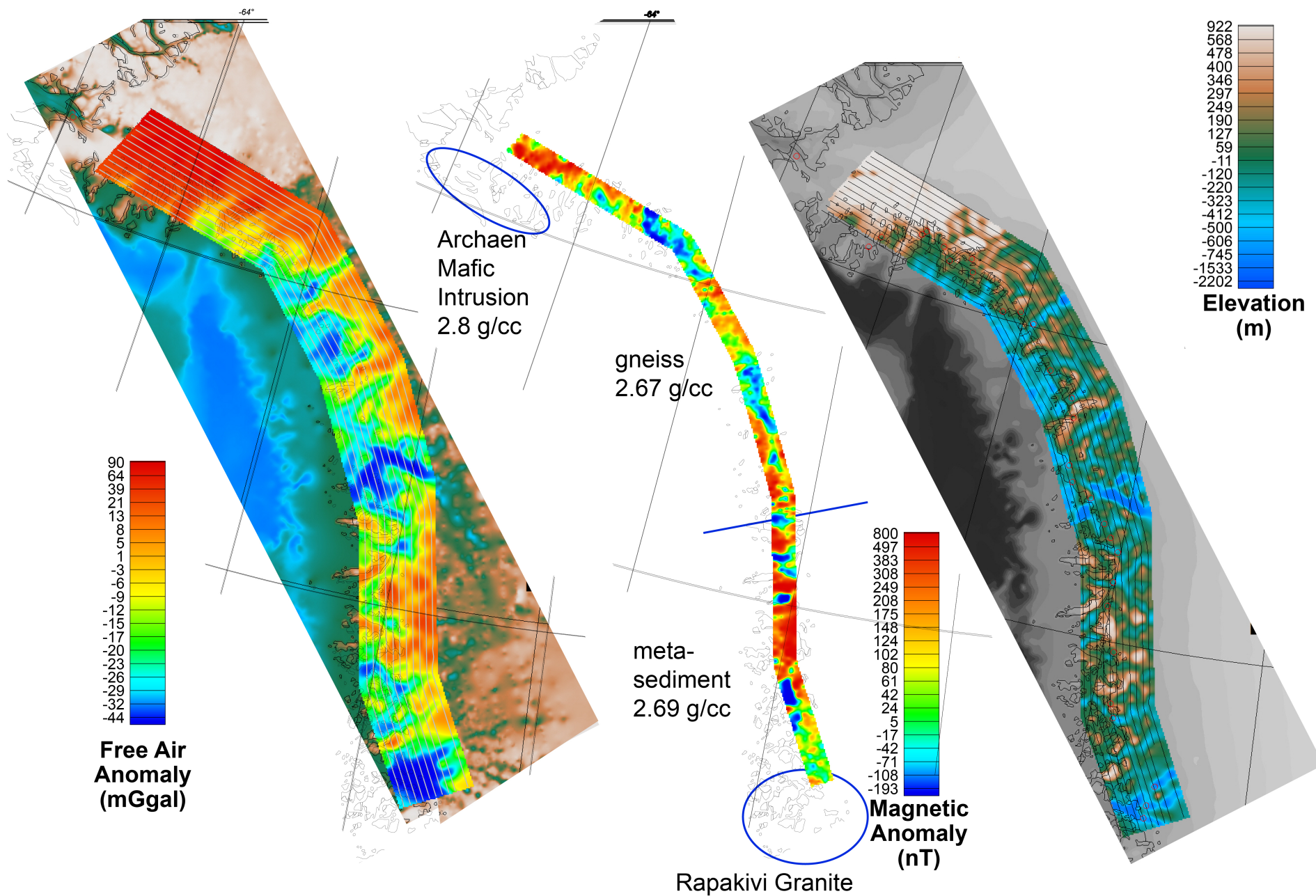
IBCAO v.3

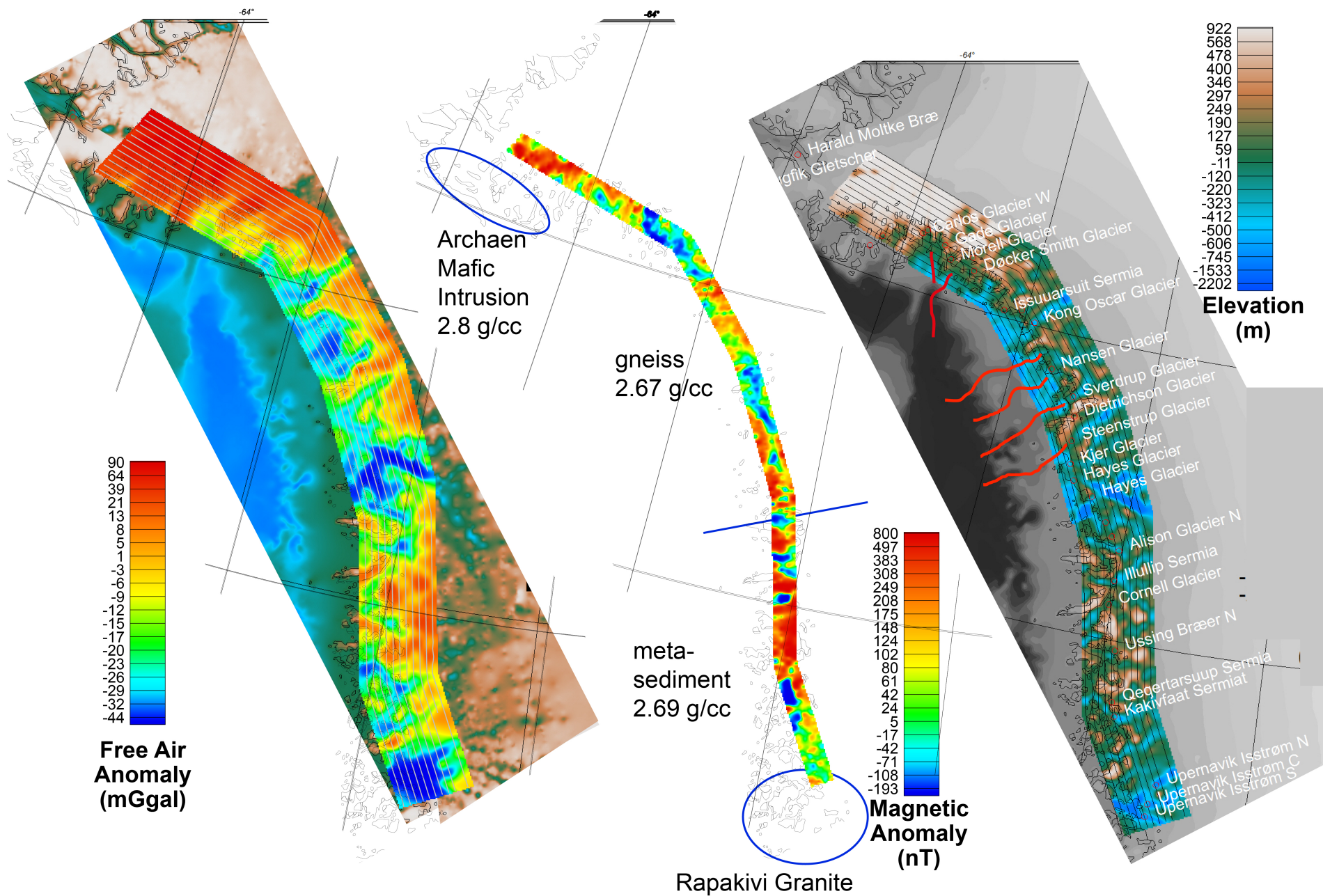


Bamber et al. (2013)









Fjord axis data will be deposited with
NSIDC

Other regions to follow later this year

Suggested surveys:

Extend NW coast-parallel grid

SE coast-parallel grid

Data gaps on fjord axes

Ship surveys – for fine detail and
constraints at heads of fjords
- A little goes a long way.

