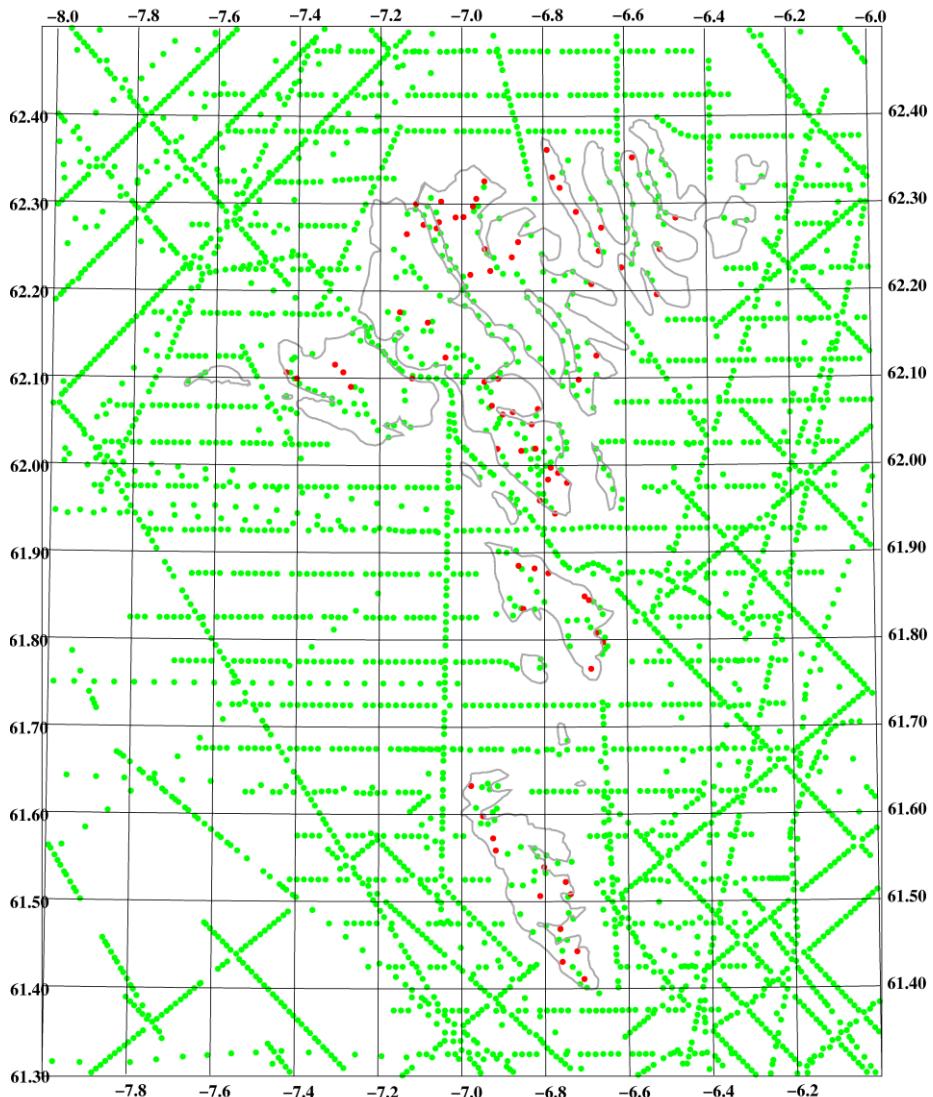


Faroe Islands geoid 2010, Femern Bælt geoid 2010 and BLAST

by

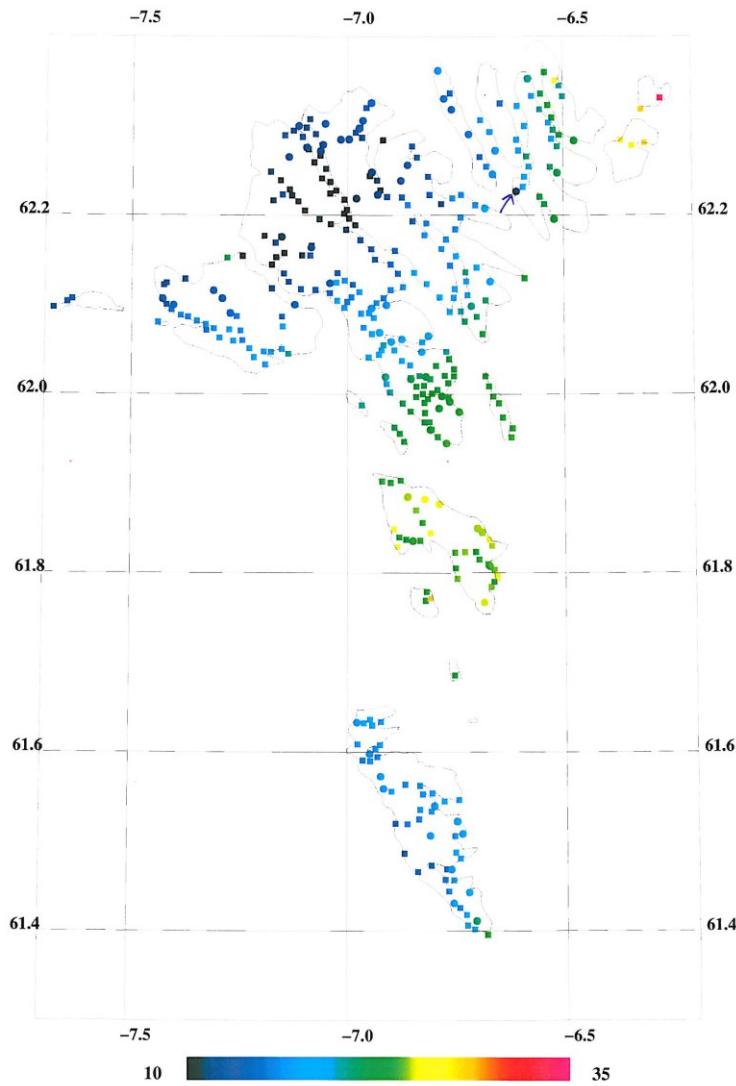
Gabriel Strykowski
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DTU Space
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The Faroe Islands 2010 Geoid:

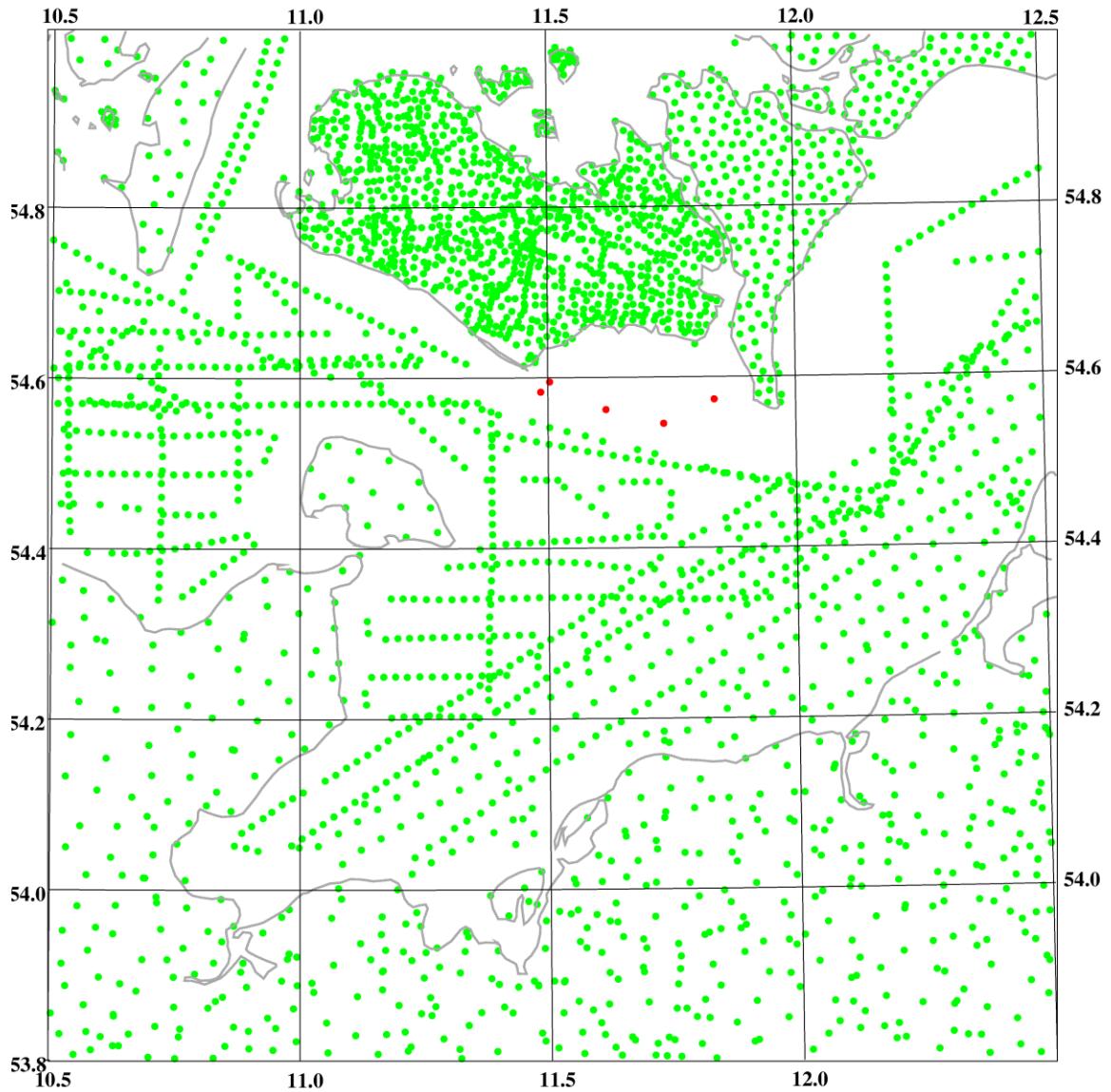
- additional gravity measurements (70 stations) collected by DTU Space in 2009
- Levelling KMS + Umhørvisstovan
- The new geoid using EGM2008 as reference will be ready in 2010



Detecting errors in the reduced gravity data:

$$\Delta g_{\text{red}} = \Delta g - (\Delta g_{\text{EGM08}} + \Delta g_{\text{RTM}})$$

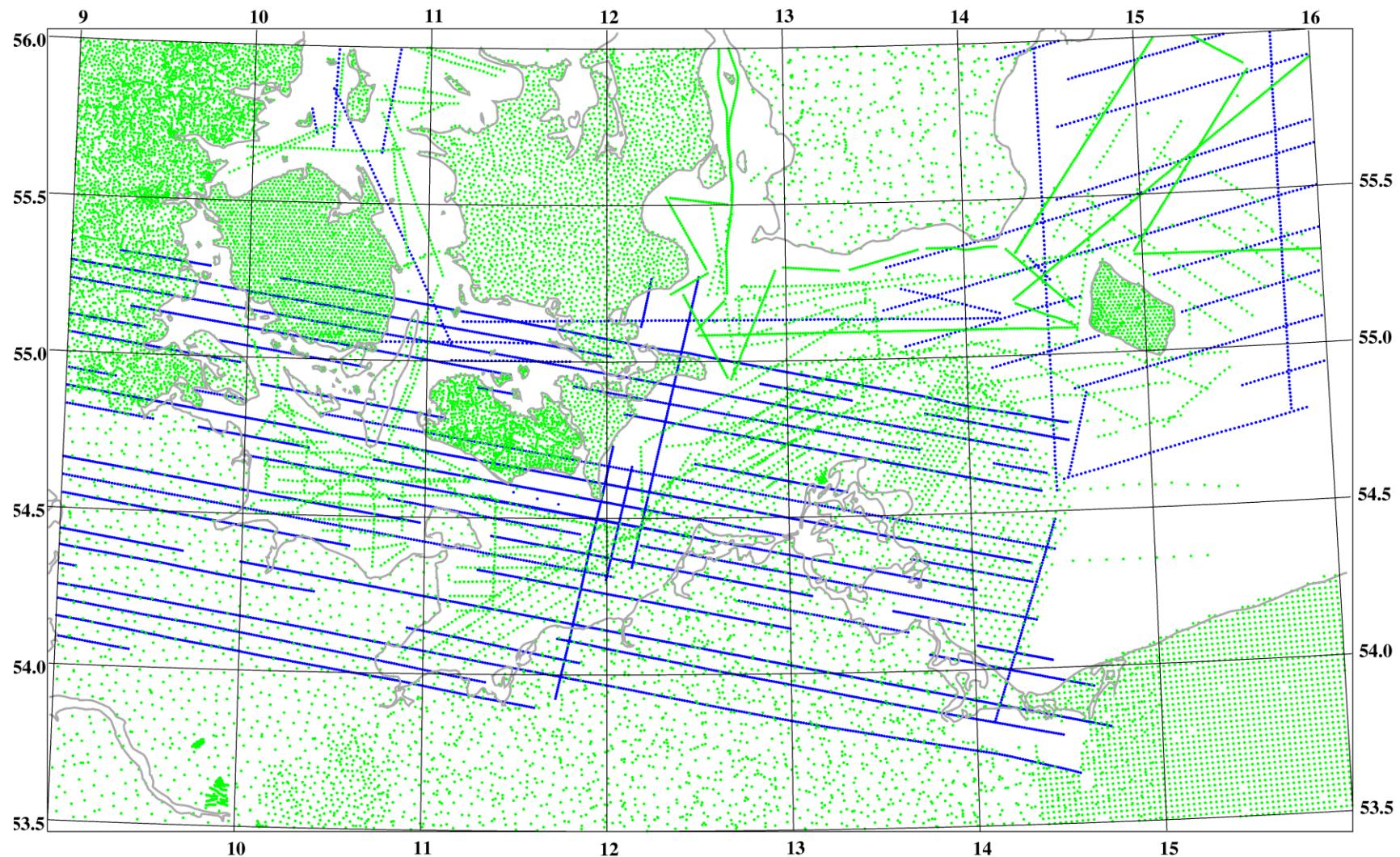
A "missprint error" of 7 mGals detected here.

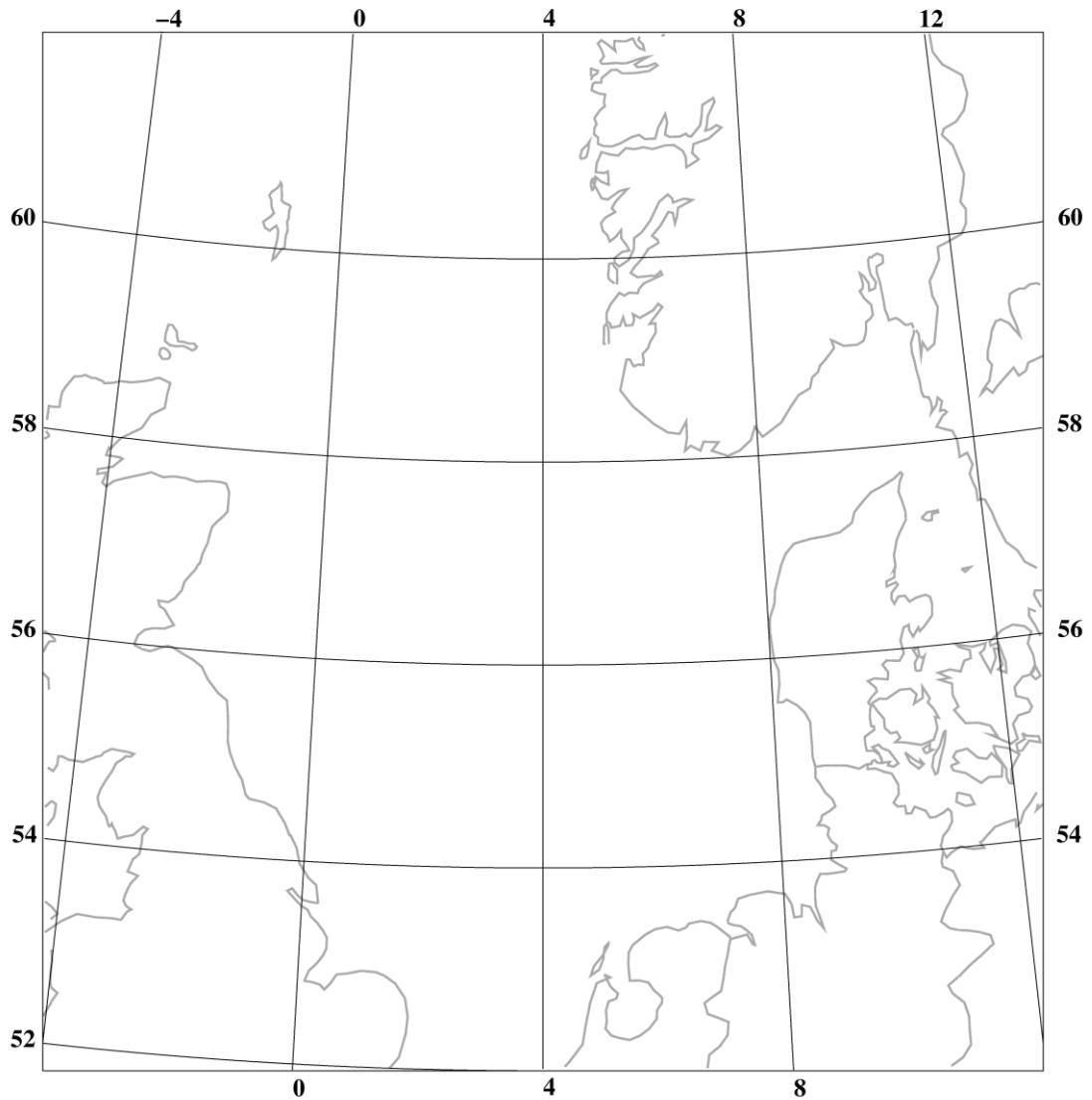


Femern Bælt geoid 2010

- Additional (aero-)gravity measurements on windmills







BLAST

52 N-62 N and 4 W-12 E

WP3.5 Vertical Reference Frame

MSSH, LAT, HAT,
gravimetric geoid,
national height systems



DTU Space
National Space Institute