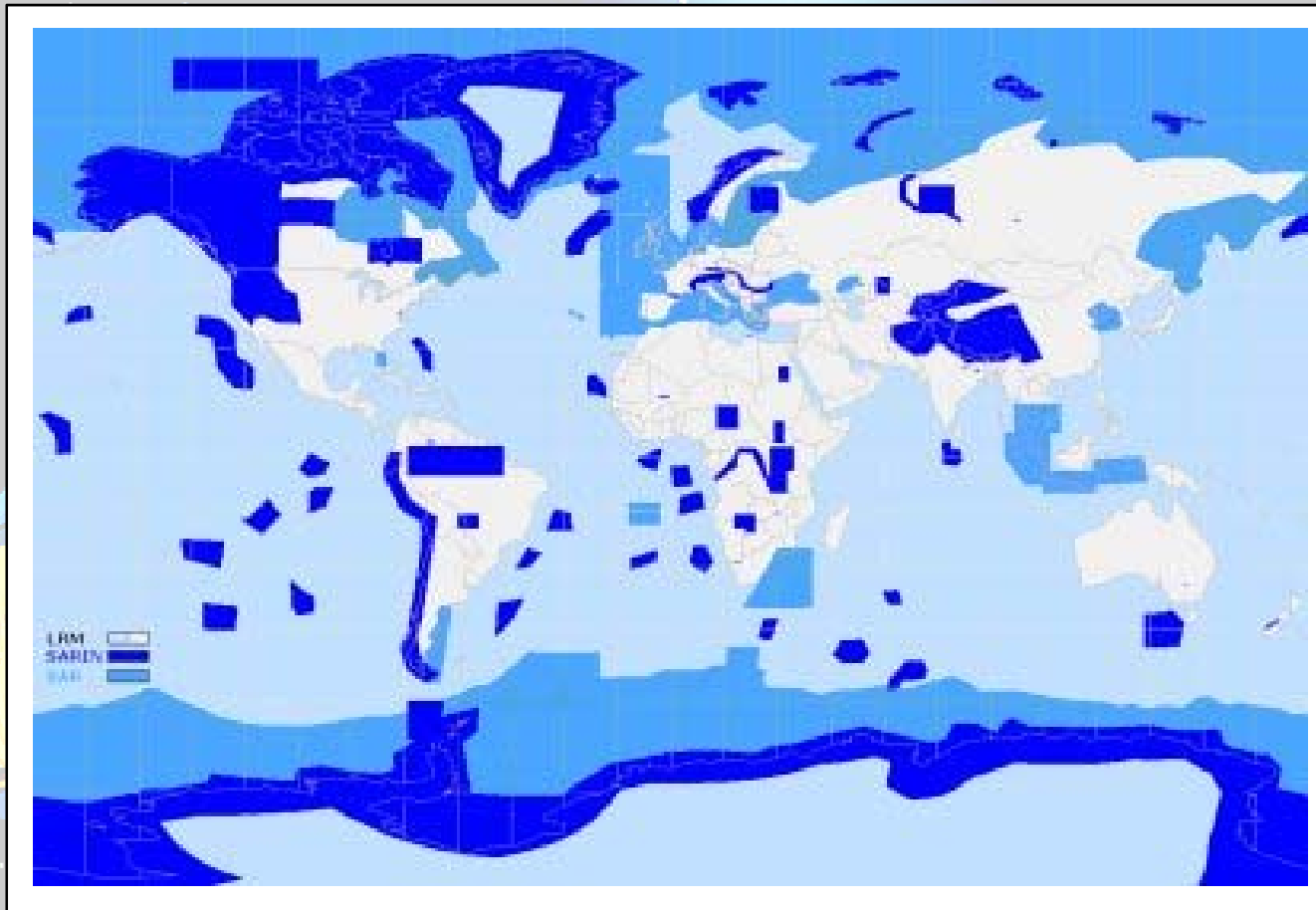




CryoSat-2 mission status and ocean products

***Duncan Wingham
CryoSat Lead Investigator
CPOM, Earth Sciences,
University College London***

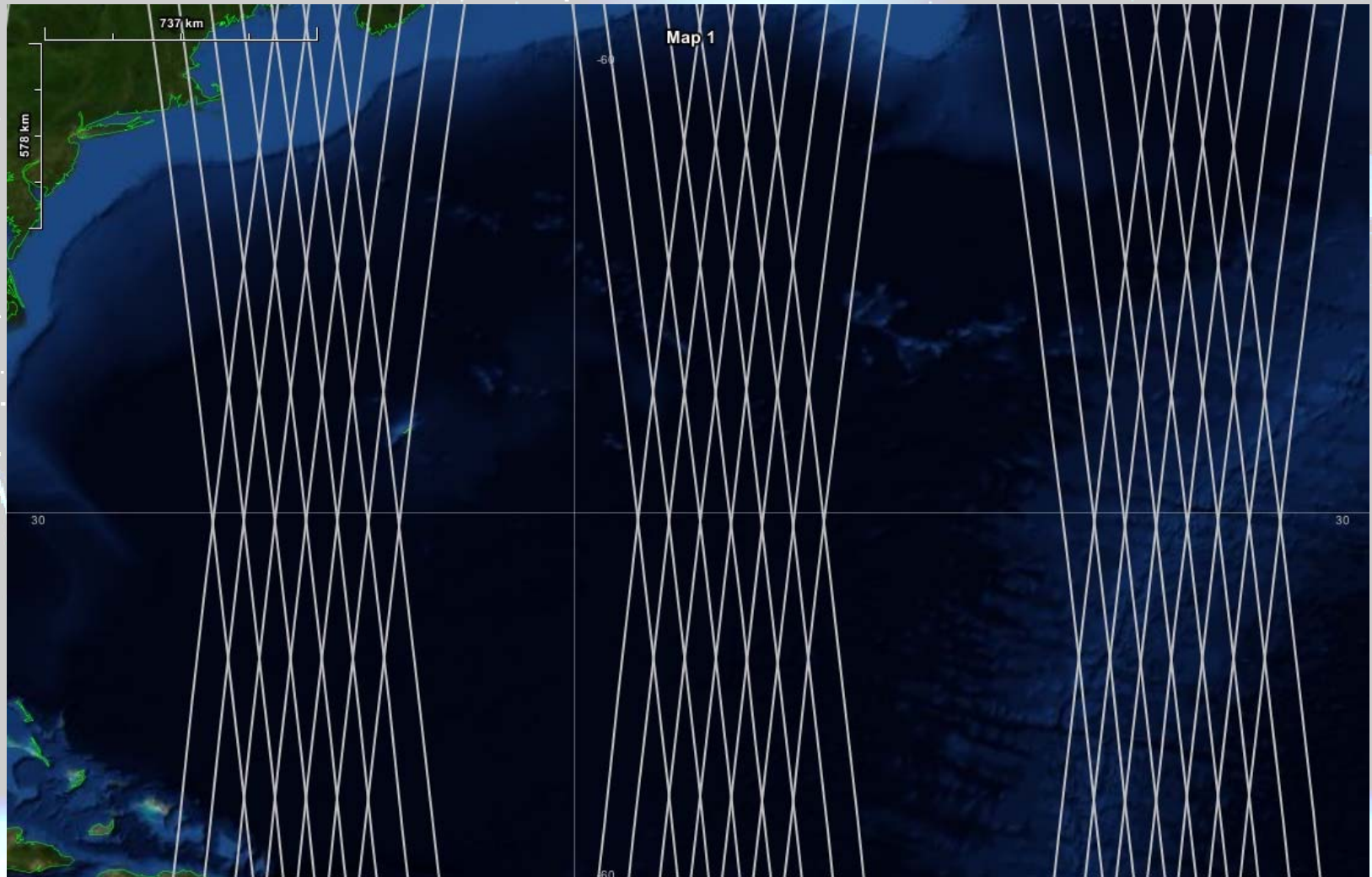
The CryoSat-2 Mode Mask.



~ 10% of the open ocean has SAR or SARIN coverage

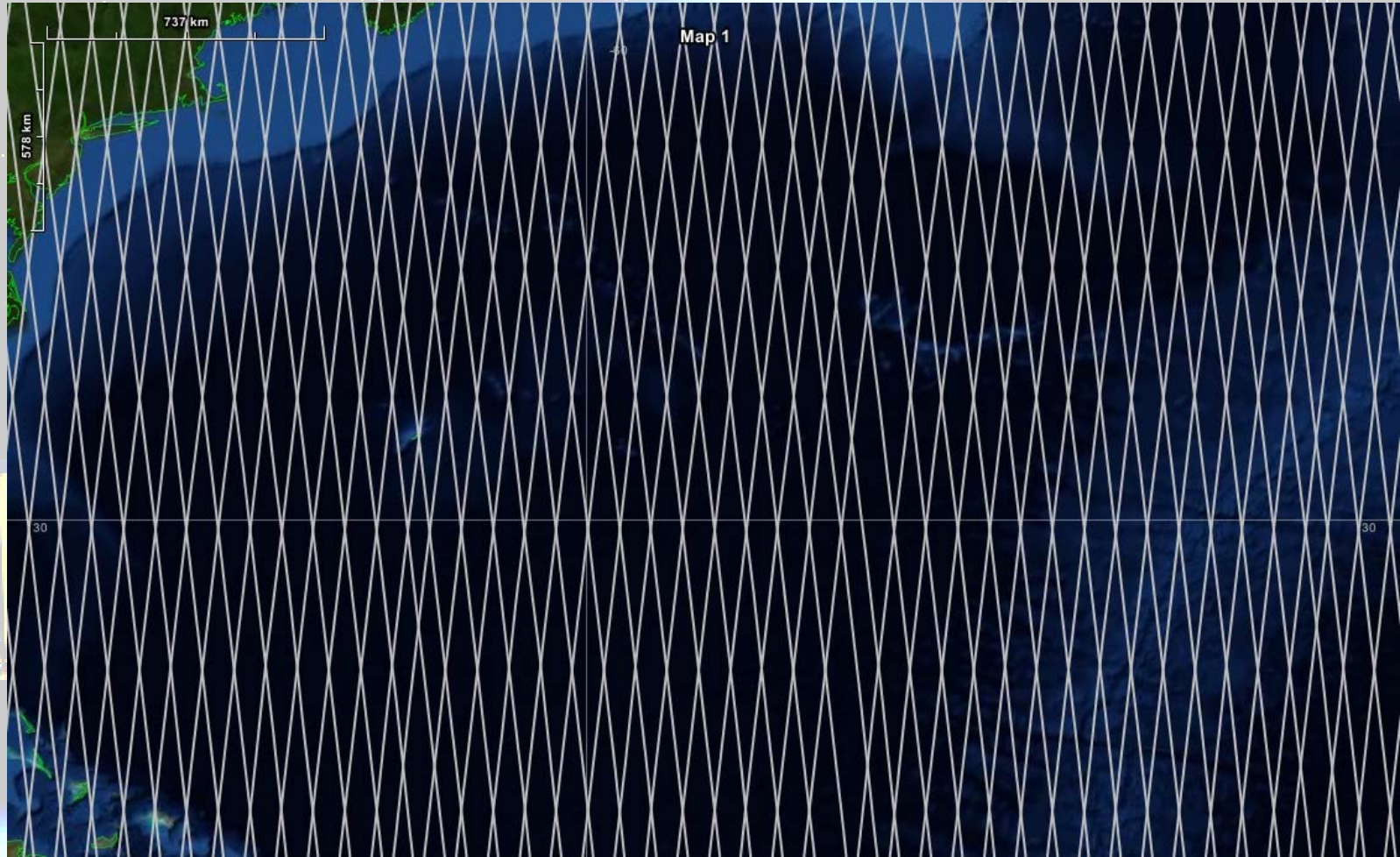


15 days of CryoSat-2 orbits





30 days of CryoSat-2 orbits

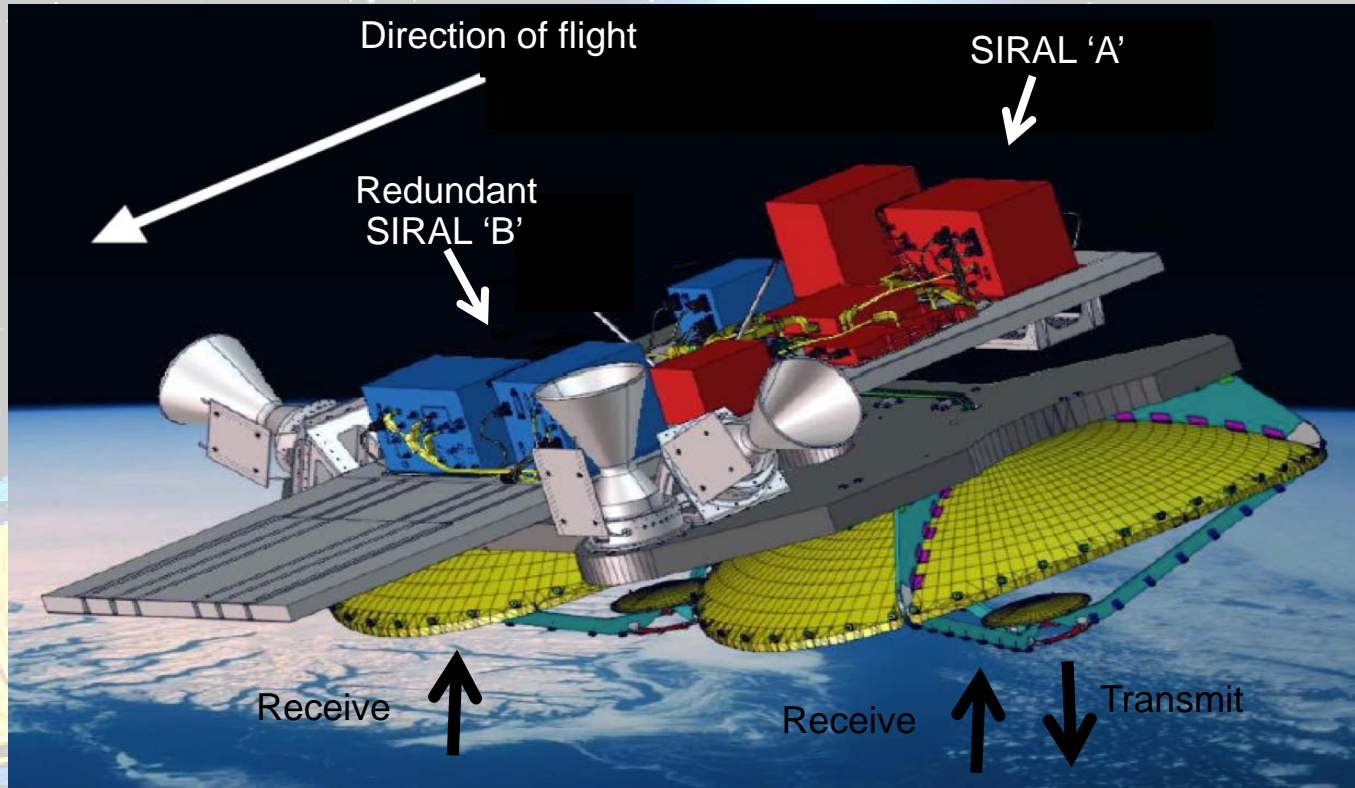


Questions for the splinter

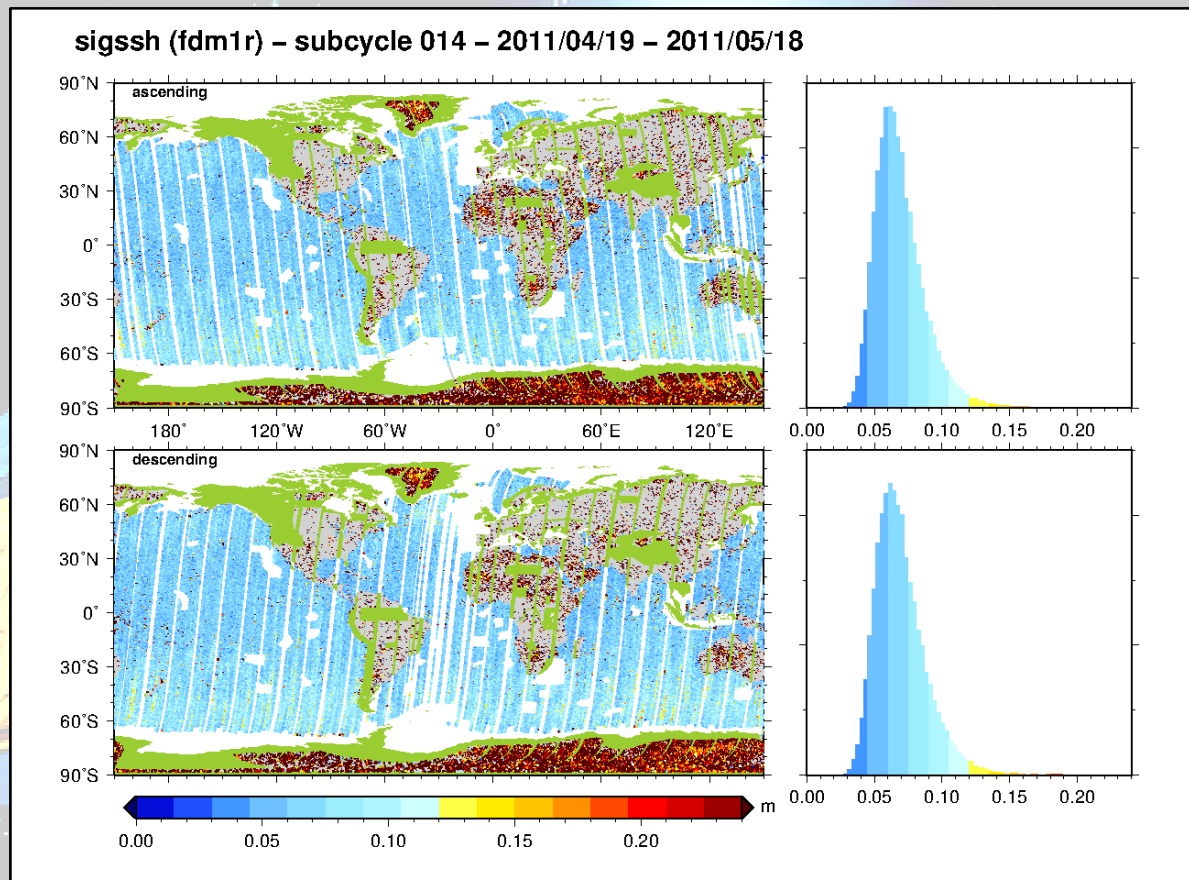
- Where and when might the SAR usage be most useful over the open ocean?
- Where and when might the SARIN mode be most useful over the open ocean?
- What priority might be placed on SAR versus SARIN over the open ocean?

Working hypothesis: SAR and SARIN coverage is available for 10% of the open ocean in total.

The CryoSat-2 Payload.



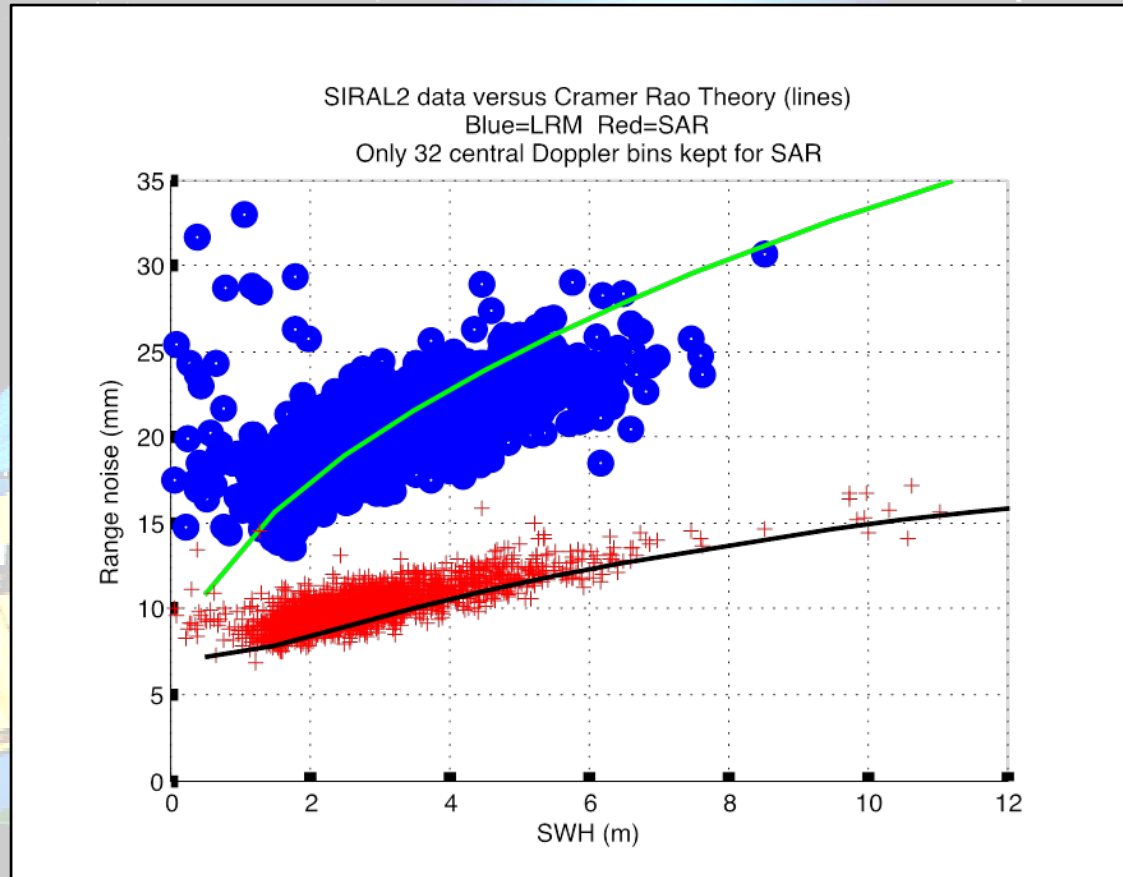
Low resolution mode performance



Range precision ~ 6 cm at 20 Hz.

W.H.F. Smith & R. Scharoo, this meeting

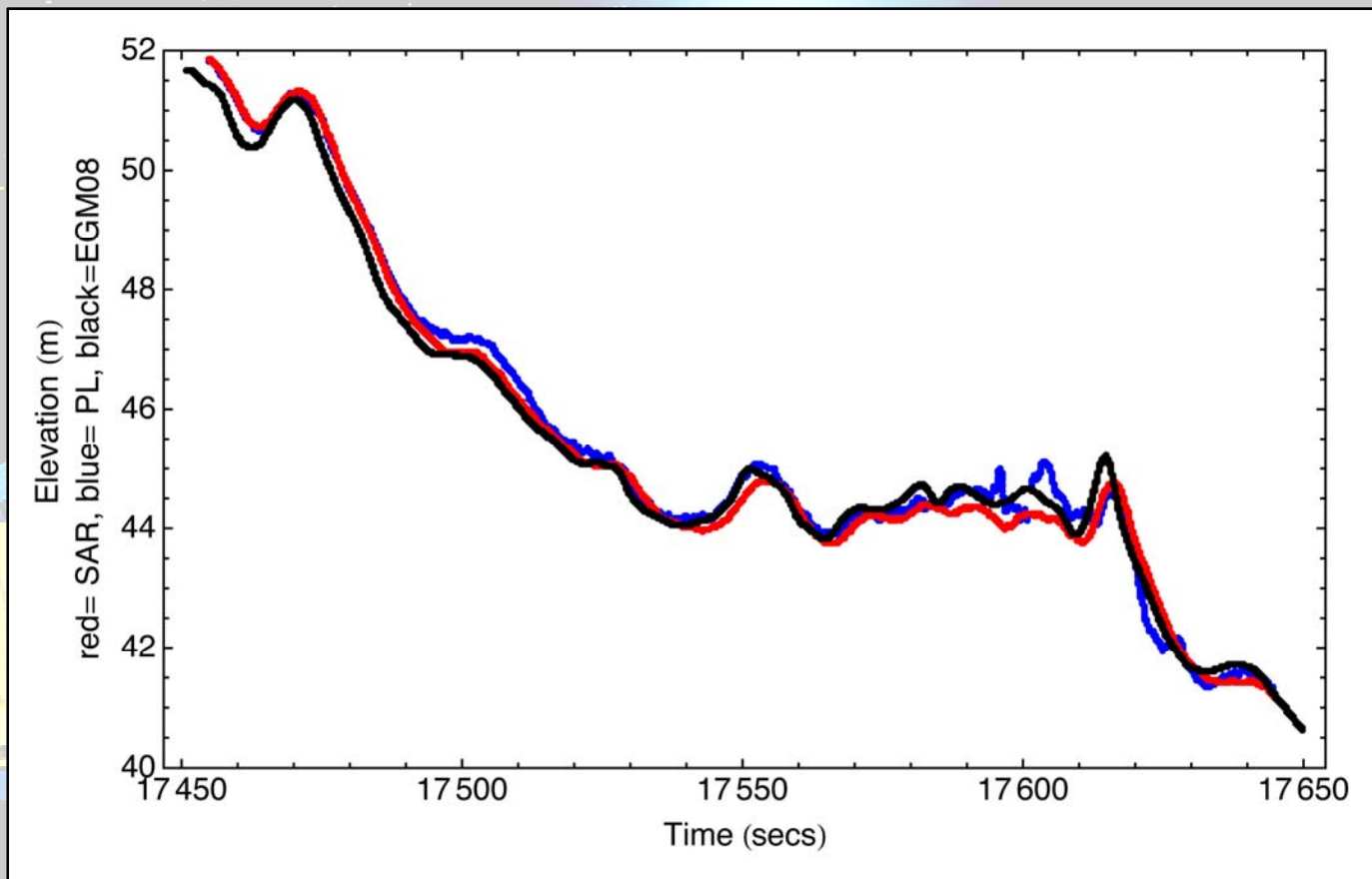
SAR mode performance

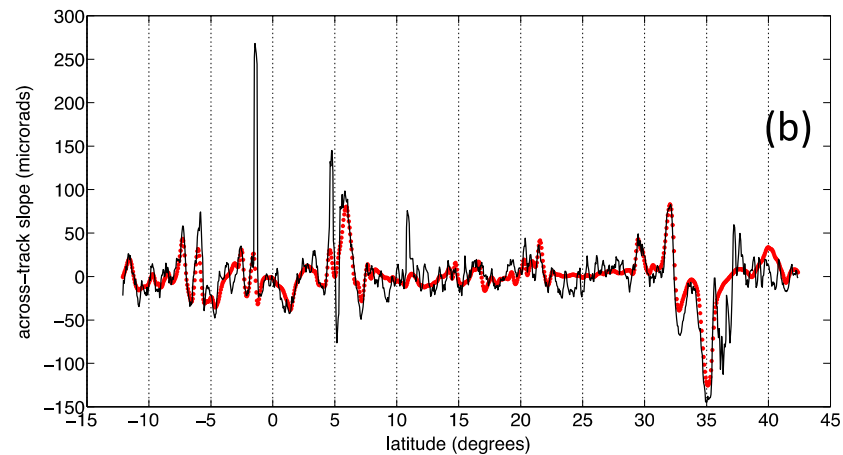
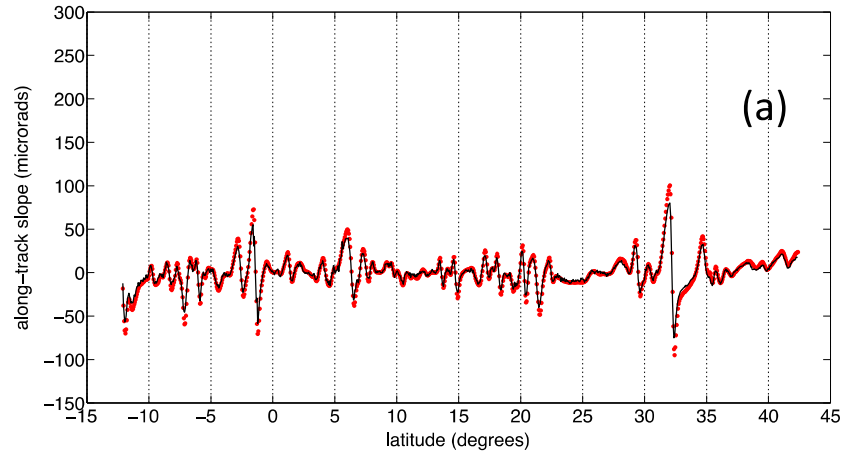


Range precision ~ 3 cm at 20 Hz.

W.H.F. Smith & R. Scharoo, this meeting

SAR mode performance





Across track slope accuracy:

~ 20 micro-rad at 10 km

~ 6 micro-rad at 2000 km

