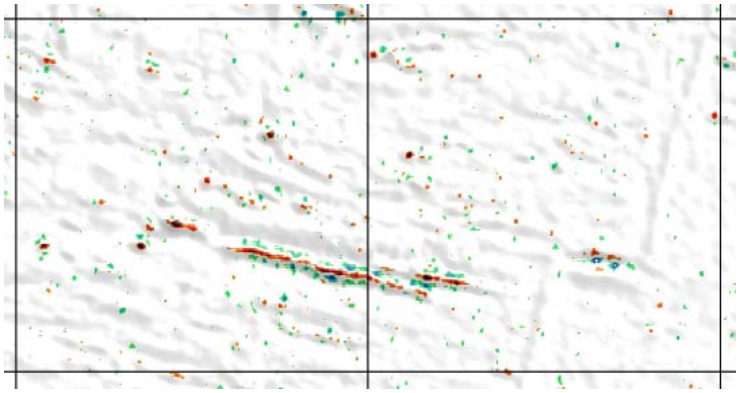
Geoid, MSS and MDT Splinter

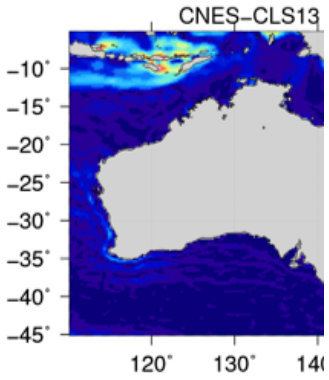
Several talk with Focus on improving shorter wavelength < 30 km.

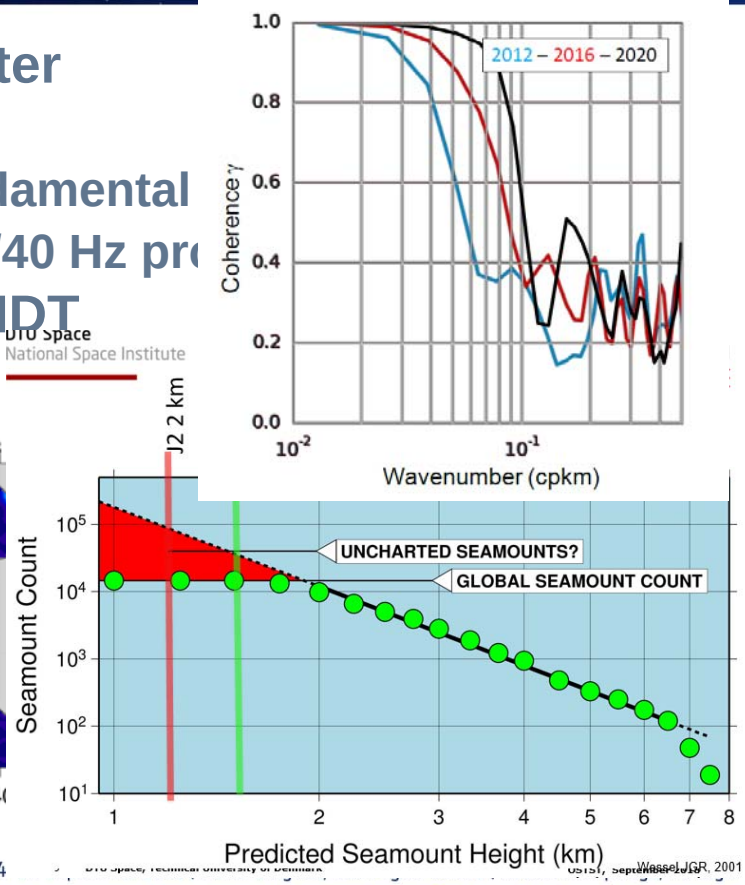
Improvement in Coastal (<30km)+ Arctic is fundamental

Use GM data (C2, J1-GM, AltiKa) sampled at 20/40 Hz pr

Fundamental to improve/assess MSS=N+MDT







Key Points to be Discussed

Jason-2 Extension of Life

- If the Jason-2 is still healthy enough by the end of the second geodetic phase that just started, what ought to be the next orbit?
  - Repeat the first and or second geodetic orbit
  - Interleave again

Fundamental important to continue Jason-2 EoL
Recommend interleaving again with two further geodetic orbits to get 2 km across track.
Jason-2 is currently the ONLY satellite that can systematic improve spatial resolution (Cryosat is 8 km across track, SARAL is uncontrolled orbit).
Voices to repeat one geodetic orbit at a certain stage to investigate the importance on range precision => *any results showing the interest of such choice (investigate further using C2 for ex) are welcome.*
We could se degradation due to safeholds, but recommend to continue without repeating of filling gaps (also to avoid upsetting the aging satellite.

Key Points to be Discussed

Jason-3 Extension of Life

- What are the recommendations for the Jason-3 orbit after tandem cal/val phase with Sentinel-6A and SWOT will also be on orbit
- Continue an interleaved orbit (as per usual) or something different?

Preference for completion of 2 km GM mission (4 years).
Potentially J-3 can help in case of early J-2 failure.
Likely availability of SWOT by then will require us to reconsider.
Reactivate the "EOL group" will be needed in the coming years

Discussions for each splinter are organized at the end of each session.
Plenary discussion and recommendations will take place on Friday afternoon.