

Discussion Points for Splinter Sessions

Project Scientists

Continued,
enhanced ocean altimetry
and climate monitoring
from space

31 October > 4 November 2022

IDS workshop
OSTST meeting

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<https://ostst-altimetry-2022.com/>

Future Jason-3/Sentinel-6MF Tandem phases

The current plan for the Jason-3 mission extension allowed for the possibility of a 2nd tandem phase with Sentinel-6MF to reduce the uncertainty in the mean sea level record.

- Interleaved phase (2-3 years)
- Tandem phase (4-6 months)
- Long-repeat orbit (2 complete cycles)
- Final orbit

A second tandem would need to be requested by the Sentinel-6 project.

- Because of constraints of the ground system, a second tandem may not be programmatically feasible.

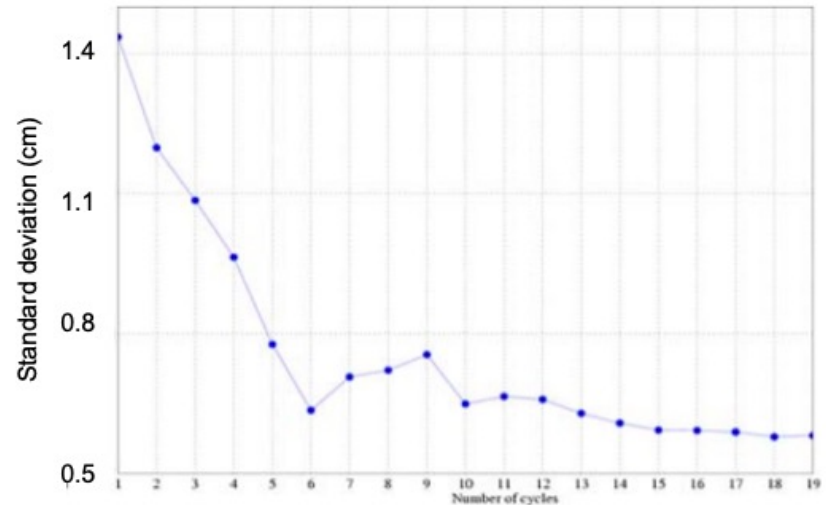
At the 2022 REVEX the Jason-3 partners suggested that the OSTST could provide a recommendation on the scientific value of a second tandem.

Sentinel-6B

From the lessons learned from Sentinel-6MF, are there activities and preparations for Sentinel-6B?

What is the optimal length of the S6MF/S6B tandem calibration phase for meeting requirements?

Note 3: About 10 cycles (100 days) was the time length recommended to detect geographically correlated SSH biases. Evolution of standard deviation) SSH differences (Jason-1 / TOPEX) according to the period length during the verification phase (Reference : OSTM/Jason-2 CalVal Plan, 2008, CNES, SALP-NT-MA-EA-21454-CLS)



Future mission and product evolutions

Should Sentinel-6 operate in RAW mode in regions of swell, i.e., without the RMC (Range Migration Correction)?

- Note that this will impact availability of HR data elsewhere

Should a coastal retracker be included in the baseline processors? For Delay-Doppler/SAR missions, would it be necessary?

- Note that there will be constraints on processing time

When orbit standards implement POE Version G, should there be full mission reprocessing to a GDR-G standard? What other improved corrections (MSS, geoid, SSB?) should be incorporated into a GDR-G? Any other GDR-G wishes (e.g., variables, format)?

Future OSTST meetings

To balance the benefits of team interaction and a lower carbon footprint, what format should we use for future OSTST meetings?

- in-person
- virtual
- hybrid
- alternate annually between in-person and virtual, etc.

For virtual/hybrid meetings what features would need to be included in the virtual platform?