Discussion Points for Splinter Sessions

Project Scientists

Ocean Surface Topography Science Team Meeting (OSTST)

21-25 October, 2019
Chicago, Illinois

5G Contamination

Concerns have been raised on radio frequency interference from the 5G spectrum on the 23.8 GHz radiometer channel

- Splinters are encouraged to comment on the possible impacts of 5G interference.

- Are any additional studies needed to determine the risk to altimetry?

Sentinel-3 altimeter stability

A stability issue has been identified in the Sentinel-3A altimeter.

What cal/val and instrument processing studies should conducted in advance of Sentinel-6/Jason-CS? Sentinel-3A could be a good testbed for these studies.

Sentinel-6/Jason-CS Annual Reprocessing

S6/JCS Reprocessing Plan

- "Annual" reprocessing is planned as part of operations
- Similar to Sentinel-3 (all instruments)
- Will be triggered by major evolutions of processing baseline
- Aimed at keeping the S6/JCS products as near to the state-of-the-art as possible
- Hence, we expect a reprocessing by end of the commissioning phase

Consequences

- **Jason-1 through -3 products may be "left behind" if not updated as well, and could break the consistency; should these go through more regular reprocessing as well?**
- Notes:
  - Jason-2/3 products are to be updated to GDR-F standards and format, which is consistent with the Jason-CS standards and format at launch
  - From experience, because most evolutions are instrument specific (e.g. sea state bias), many S6/JCS updates would not break the consistency

Jason-3 after Jason-CS-A/Sentinel-6A commissioning

In late 2021 the tandem phase will be finished.

- Should Jason-3 be placed in an interleaved orbit (like Jason-2)? Or should Jason-3 go directly into a geodetic phase?
- What end-of-life orbits should be considered for after the interleaved phase?

The Future of the OSTST

How should we advance coastal, hydrology, cryosphere, and ocean altimetry?

Should the OSTST try a joint meeting with other teams (Argo, SWOT, etc.)? If so, what other groups?

Are there suggestions about how lower the carbon footprint of the meeting?