

OSTST 2019

Instrument Processing – Corrections

Tuesday, October 22, 2018

Issues from Project Scientists

- **5G Contamination:** Concerns have been raised on radio frequency interference from the 5G spectrum on the 23.8 GHz radiometer channel
- **Sentinel-3 Stability:** What cal/val and instrument processing studies should be conducted in advance of Sentinel-6/Jason-CS? Sentinel-3A could be a good testbed for these studies.
- **Sentinel-6/Jason-CS Annual Reprocessing:**
 - “Annual” reprocessing is planned as part of operations (similar to Sentinel-3 all instruments) triggered by major evolution of processing baseline. Aimed at keeping the S6/JCS products as near to the state-of-the-art as possible.
 - Jason-1 through -3 products may be “left behind” if not updated as well (Jason-2, -3 will be updated to GDR-F), and could break the consistency. **Should these go through more regular reprocessing as well?**
- **Jason-3 after Sentinel-6/Jason-CS commissioning:** What orbit – interleaved or directly to geodetic? End of life considerations.
- **Future of OSTST and meetings:** How to 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?
 - Lower carbon footprint

IPC Poster Session Tonight!

Analysis of surface wind speed from Jason-3 and Sentinel-3A in the Peru-Chile EBUS (Astudillo et al.)

Sea state bias for retracked TOPEX altimeter data (Feng et al.)

Understanding the level of error within sea state bias models (Putnam et al.)

A new side-lobe correction for Sentinel-3A Microwave Radiometer: definition and assessment (Siméon et al.)

From ERA-Interim to ERA5: impact of the latest ECMWF reanalysis in the computation of radar altimeter Wet Path Delays (Vieira et al.)

Small scales variability of the wet tropospheric correction (Frery et al.)

Side-by-side evaluation of Ku- and Ka-band sea state bias variability using Jason-3 and AltiKa data (Vandemark et al.)