

Coastal Altimetry: Seed Questions

- What are the largest error sources in coastal altimetry at present? (0-10km; 10-50km)
 - Wet Tropo Path Delay, Retracking, Tidal Models, Bathymetry, Sea State Bias?...
 - Possible impacts of wifi 5G interference? May be worse at the coast? 23.8 GHz Radiometry?
- Do we need better fields of the Mean Sea Surface around repeat tracks or in areas? What is the best MSS for non-repeat along-track data? What spatial resolution is needed?
- After tandem phase, should Jason-3 go into an interleaved or geodetic orbit? Which is better in coastal regions?
- If an interleaved orbit is selected after the tandem phase, what end-of-life orbit should be selected after the interleaved orbit?
- Sentinel 3A sensitivity? Are SAR Cal/Val and Processing studies needed in coastal zones? S-6 and J-CS reprocessing may take much effort. Can less effort be spent on J-1, J-2, J-3?
- Is there a need for cross-calibration of all satellites and a site where cross-calibrated alongtrack data from all satellites are easily available to non-expert users?
- Are improvements in coastal along-track data included in the standard global gridded data sets (AVISO, JPL)? Do we need a new coastal gridded data set – global or regional?
- Should OST team meet with other teams? SWOT? Cryosphere? Hydrology? Coastal?
- How can we reduce the carbon footprint of our meetings?

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- What are the largest error sources in coastal altimetry at present? (0-10km; 10-50km)
 - Are errors sufficiently reduced for retracking and the wet tropospheric path delay?
 - Altimeter-Tide Gauge comparisons reveal mixed results. Are Tidal Models or tide gauge placement the problem?
 - If Tidal Models are the problem, is it due to poor bathymetric data?
 - Is Sea State Bias the present leading term in the error budget for SLA retrievals in coastal areas? How to improve it?
- Do we need better fields of the Mean Sea Surface around old and new repeat tracks? What is the best MSS for non-repeat along-track data? What spatial resolution is needed?
- Is there a need for cross-calibration of all satellites and a site where cross-calibrated alongtrack data from all satellites are easily available to non-expert users?
- Are improvements in coastal along-track data included in the standard global gridded data sets (AVISO, JPL)? Do we need a new coastal gridded data set – global or regional?
- Who should be making applied products for sea-going end-users (fishermen, recreational/commercial boaters, search and rescue, hazardous spills, ...? Government labs? Commercial Enterprises? Academic Groups?

OST Overall Seed Questions

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- If an interleaved orbit is selected after the tandem phase, what end-of-life orbit should be selected after the interleaved orbit?