

# SAR/SARIN Mode Splinter Summary

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Four Questions posed & discussed.

Cryosat2 exploitation discussion questions:

- Where and when might the SAR usage be most useful over the open ocean?
- Where and when might the SARIN mode be most useful over the open ocean?
- What priority might be placed on SAR versus SARIN over the open ocean?

Jason-CS question:

- Should Jason-CS use the SAR mode as the default mode over the open ocean?

# SAR/SARIN Splinter, 2

## Highlights of the CryoSat2 discussion

- There is great interest in exploiting these new possibilities: OSTST says **Thank You** to ESA and Dr. Wingham for bringing us this wonderful opportunity.
- Fully open access to L1b & L2 data (in all modes) is provided by ESA. Product quality should improve with ground segment upgrade expected in February 2012.
- Use of near parallel Envisat/Cryosat can be used for SAR mode validation
- Sample coastal regions for in situ validation (AirSWOT, CFOSAT, HF Radar...)
- SAR vs. LRM wave direction sensitivity – coastal regions with buoy validation
- Sample high variability (SARIN) AND low variability (cal/val) regions
- Users should note that SARIN is ~x2 less precise than SAR; the cross-track slope measurement comes at a price.

*Interested users should supply Google polygons, times and durations of interest, and science rationale to the project within next 3 months.* The project will determine which requests can be met and how best to meet them.

# SAR/SARIN Splinter, 3

Should Jason-CS use the SAR mode as the default mode over the open ocean?

*CryoSat2 results are still evolving.*

*It is not appropriate to make recommendations for Jason-CS at this time.*

*Ideally Jason-CS will support LRM and SAR simultaneously throughout ocean, if possible.*