Working Session on Altimetry (Level 6 Conference Room 1)

Free form sessions on ocean surface topography!

1. **Altimetry Basics**
2. **Altimetry near the Coast**
3. **To the Future**

Bring your questions /research / knowledge / experiences to share!

If you have material you would like to present chat with Elaine or Christopher.

Altimetry Basics

- Spatial/temporal sampling.
- Which missions do what?
- Where to get what data (gridded, along track etc, RADS)
- Limitations / things to watch out for
  - Coastal issues
  - Tide model issues
  - MSS issues
- Presentation on an intercomparison study of altimetry datasets used in OceanMAPS (Australia's operational, short-range ocean forecast system)
- *Potential* discussion points
  - Technical questions on the basics?
  - Requests from the community?

Altimetry near the Coast

- Latest update from the 9th Coastal Altimetry Workshop
- What are the different products available?
- Where to get data?
- ALES / XTRACK / PEACHI etc.
- Presentation on proposed SARAL work
- *Potential* discussion points:
  - How to get the data
  - How to validate in the presence of limited tide mss models? The IMOS cal/val is focused on the climate record, hence is away from true “coastal” altimetry. What observations do we need?
  - Alt v tide gauge comparisons? Datum issues etc.

To the Future

- New missions – When are they coming? Who will supply the data? Where to find it?
- SAR altimetry – benefits / challenges
- SWOT 2020 – the game changer.
- Validation – SAR / SWOT

Rising Sea Level (2009), Guan Wei