Evaluation of the GlobCurrent Ocean Surface Current Products in Australia

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**East Australian Current**

**Evaluation at the coast (ADCP stations)**
- Poor coherency at most of the stations
  - Mean velocity derived from CNES-CLS13 MDT, too coarse at the coast (better with v2018)

**Evaluation offshore (drifting buoys)**
- Good consistency on large structures, limited performance on smaller patterns (< 100 km)
  - Low resolution of current altimetry maps

**Tidally-dominated North-West Shelf**

**Comparison with ADCP data**
- Tide omission error > 0.5 m/s (> 50% of the total current signal)
- Large unrealistic features in the non-tidal **GlobCurrent** products
  - Incomplete de-aliasing of tide and wind-driven sea level variability in the altimetry data

**Next Speaker**: 1- Guinehut, Stephanie 2- Müller, Felix Lucian