OOIFB Discussion Points

September 2017 meeting
Southern Ocean Arrays

• Southern Ocean is undersampled; no surface moorings as far south as the Southern Ocean site.


• Discussions regarding removal led to question: can we at least have the data on the GTS (Global Telecommunications System)?
Air-Sea Flux Observations: woefully sparse

- $Q_{\text{net}}$ from ERA-Interim (2008-2010; blue=loss to atmosphere).
- Small dots: 5 years of July flux observations (2000-2004)
- Large circle: SOFS mooring
- Large star: OOI mooring

Gille et al, Eos, 2016
Southern Ocean Surface Obs on GTS

• Southern Ocean observations on GTS effective 8 August 2017 (thanks to Bob Weller, non-OOI funding)
• After about a month, ECMWF was asked if this made a difference.
• Answer: yes, very clearly for a storm around 18 August.
• Follow up question: What about the Irminger Sea?
Recommendations

• All OOI (near real-time) data should be on GTS.
• For YOPP (Arctic), Numerical Weather Forecasting groups would like to have Irminger Sea for full Arctic period (starting 1 Feb 2018).
• For YOPP (Southern Hemisphere), community will campaign to revive Southern Ocean surface mooring for special observing period (Nov. 16 2018 - Feb. 15 2019).