

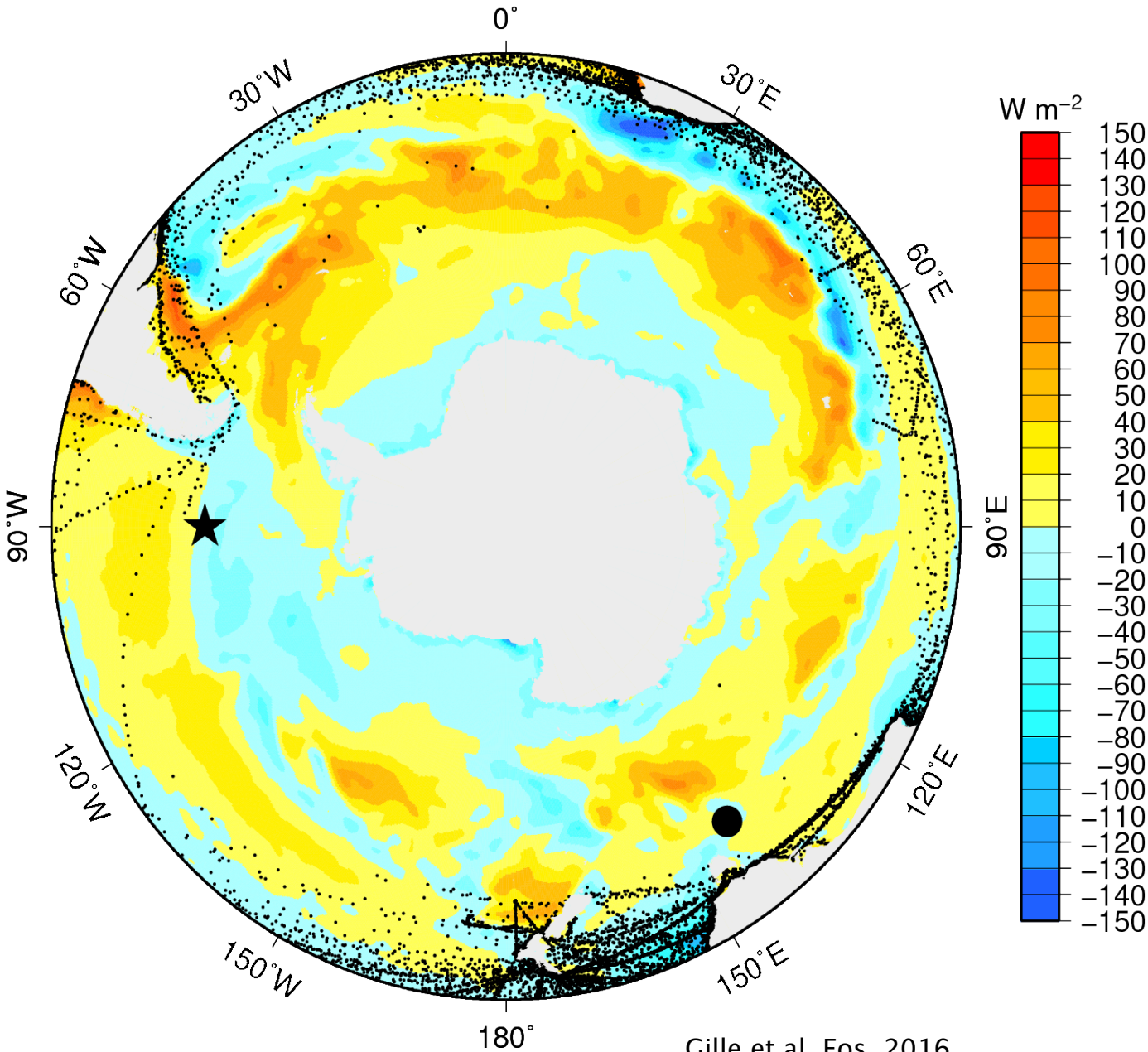
# OOIFB Discussion Points

September 2017 meeting

# Southern Ocean Arrays

- Southern Ocean is undersampled; no surface moorings as far south as the Southern Ocean site
- Considerable community interest in Southern Ocean site to support Year of Polar Predictability, which begins in early 2018. Intensive observing period in Southern Ocean in early 2019
- 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

# 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).