

Interactive comment on “Utilizing the Drake Passage Time-series to understand variability and change in subpolar Southern Ocean pCO₂” by Amanda R. Fay et al.

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We thank the reviewer for their comments and suggestions. As for SOCCOM data quality specifics, we direct the readers to Johnson et al. 2016, Johnson & Claustre 2016, and Williams et al. 2017 specifically for pCO₂, as these publications are very thorough regarding sensors and the quality of each variable measured by the floats.

In a previous version of this manuscript we had a figure showing a simple time series presenting the overlap period of underway DPT data and SOCCOM float calculated pCO₂ (See attached, for reviewer). The difficulty we faced is that we wanted to show the comparison of the DPT data to the floats with both the spatial and temporal spread

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as well as the pCO₂ comparisons. We feel that the current plots in Figure 7 accomplish this. We do now expand on our comparison of seasonality specifically and we have added further discussion on this topic in Section 5.

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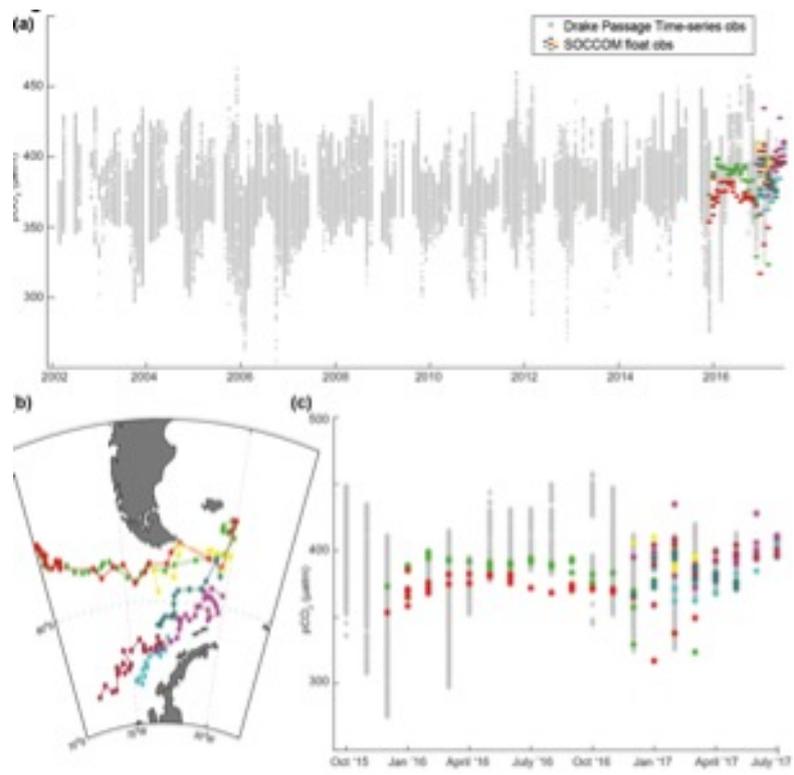


Fig. 1.