

Interactive comment on “Mapping the Antarctic Polar Front: Weekly realizations from 2002 to 2014” by Natalie M. Freeman and Nicole S. Lovenduski

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Received and published: 29 March 2016

The paper is of interest for an area of oceanographic importance such as the ACC. There are some points to be clarified in the paper. The PF identification procedures must eliminate the eddies. The paper is stating that the PF procedure is not applied to areas where the SST gradient is having certain characteristics (para 2.2.1, 23-25). This choice is not explained in the paper. Furthermore, the authors should discuss (1) if and how temporal and spatial variability of eddies can influence the results (2) if a filter should be applied to data or (3) the proposed methodology is avoiding biases due to eddies.

C1

Interactive comment on Earth Syst. Sci. Data Discuss., doi:10.5194/essd-2015-46, 2016.

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