

Interactive comment on “Campbell Plateau: A major control on the SW Pacific sector of the Southern Ocean circulation” by Aitana Forcén-Vázquez et al.

Anonymous Referee #2

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This is manuscript the authors synthesise hydrographic data from 7 transects undertaken over a period of 10 years in the region south of New Zealand. They identify frontal features and water masses. The style suggest that this manuscript is a review, however the authors do not make this clear. There is potential for more work here. As is, I find the work rather thin, since it monotonously describes each transect sequentially with no final integrative synthesis as promised in the abstract/introduction. In addition, the lack of novel information and/or lessons learnt from this exercise lead me to recommend substantial revision. After all, some of the data have already been published.

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It is difficult to provide any detailed comments on the current version of the manuscript. The identification and description of fronts and water masses are for the most part fine. The putting this-all-together is missing.

In the introduction, which is rather lengthy, I suggest less textbook-like style and more targeted proses. What are the questions addressed in this work? What can be done with all this data that could not be done before?

What about seasonality - the data has been collected over a range of years and months? Is there any way of also using other datasets (Argo for example) to look at changes over time in this region (perhaps not for Campbell plateau, but the surrounding)?

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