

***Interactive comment on “Assessing the internal consistency of the CARINA data base in the Pacific sector of the Southern Ocean” by C. L. Sabine et al.***

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This is a very important work, describing how to produce a consistent data set for the Pacific sector of the Southern Ocean. It is well written and uses common methods to adjust data from cruises where the results have an offset in a parameter. I only have some minor suggestions that the authors should consider.

First I think they should spend some more words on how the data from the Pacific sector is calibrated in relation to the other Southern Ocean data. It is mentioned, but very briefly.

Second there is a repeat of the same text starting on line 7 page 564 and starting on

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line 3 page 565. Delete at one place.

Third it would be valuable to include cruise codes (e.g. SR3, P15S, P17) on the map, Fig. 1. Not all readers are well known with these cruises.

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Interactive comment on Earth Syst. Sci. Data Discuss., 2, 555, 2009.

**ESSDD**

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