

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.

Anonymous Referee #2

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This paper is a contribution to the special issue in ESSD that in detail describes the data collection project known as CARINA. The study gives a clear and concise overview of the data from the Pacific sector of the Southern Ocean.

This is a valuable contribution to the area of chemical oceanography, and the data will be of great value for anyone conducting research in the Southern Ocean. The paper is well written and to the point, and certainly deserve publication in ESSD.

I have only a few minor comments that should be addressed before the paper can be published: Section 5: I believe that these calculations that are presented here really gives a number of the internal consistency of the data, rather than the accuracy (although

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one might hope that these two properties are related). Please change the wording accordingly (see for instance the paper by Stendardo et al., 2009) Figure 2: It is not clear to me what the different bars represent in this graph. Please add some more information to the legend that explains the two different colors for each bar.

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