

Interactive comment on “Consistency of cruise data of the CARINA database in the Atlantic sector of the Southern Ocean” by M. Hoppema et al.

Anonymous Referee #1

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This manuscript documents the efforts followed to construct a quality controlled database of oceanographic observations from the Atlantic sector of the Southern Ocean. The data are derived from 11 cruises collected between 1989 and 2005. The data and data quality control procedures are described in detail. Since the data were not publicly available, the data set can be considered new. Supplementary information is provided via Internet links to the Carbon Dioxide Information and Analysis Center (CDIAC) at the Oak Ridge National Laboratory, US Department of Energy. Correction factors emerging from inter cruise comparisons, when available, are given for each of the variables included in the dataset. Results from the quality control are discussed and quantitative assessments of the overall accuracy of each variable are provided for each cruise.

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The manuscript is well written and organized. It is a useful and timely contribution and formally documents relevant quality issues associated with the data. I am pleased to recommend publication of this manuscript as is.

Interactive comment on Earth Syst. Sci. Data Discuss., 2, 331, 2009.

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