

Interactive comment on “Assessing the internal consistency of the CARINA database in the Indian sector of the Southern Ocean” by C. Lo Monaco et al.

Anonymous Referee #2

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Documenting how data were quality-controlled is one of the crucial tasks in providing a reliable dataset. This manuscript begins with summarizing the datasets of ocean carbon and carbon-relevant hydrography/chemistry from the Indian sector of the Southern Ocean that were previously not publicly available and are assembled in a new database, CARINA. In the next, it briefly explains the procedures of quality control highlighting divergence from the common procedures for all CARINA data base that has been described in a manuscript prepared and submitted by Tanhua et al. to the same issue. In third, the adjustment applied to each parameter for each cruise to correct for the systematic offsets is detailed. This is the indispensable document for users of the Southern Ocean data of CARINA in investigating natural variability of ocean

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chemistry and accumulation of anthropogenic CO₂ in this basin.

A minor typo : P369, L15; not “generally <220 m” but “generally <220 km.

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