

Interactive comment on “MARES Project: Hydrographic data of the San Jorge Gulf from R/V Coriolis II cruise in 2014” by Juan Cruz Carbajal et al.

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We thank Reviewer #1 for his/her comments. Below we respond to each of the reviewer comments.

With regard to the comparison between historical data and observations of this cruise, we have included a paragraph in Sect. 3.2 line 33.

‘Nutrients, DO, chl and pH data from the water samples collected in MARES leg 2 cruise were compared with historical data available in the Argentine Oceanographic Data Center (CEADO, <http://www.hidro.gov.ar/ceado/ceado.asp>) for austral summer

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(Jan-Feb-Mar) in the region of interest. CEADO archives data originated by national and international research institutions. Water samples observations were consistent with historical observations.'

Abstract Line 6. Done. L 9. The word 'leg' refers to the different stages of the MARES project. We believe it is the word to name the oceanographic cruise. 'Transects' is used for oceanographic sections.

Sect. 2 L. 17 and L. 20. Done.

Sect. 2.2 L 14 to 16. Done.

Sect. 3.3 L. 6. The Sea-Bird application note for the DO calibration uses the ml l-1 units. However, we have included in Section 3.3 line 9 the conversion unit to $\mu\text{mol/kg}$ obtained from SBEData processing manual (<https://www.seabird.com/>). L. 16. We have specified the standard deviations post-calibration for the fluorescence and pH sensors of the CTD.

In addition, we have detected an error in line 7 from Sect. 3.3. We have changed 'DO differences larger than 1 ml l-1 were discarded and not used in the DO sensor calibration.' for 'DO differences greater than one standard deviation were discarded and not used in the DO sensor calibration.'

Please also note the supplement to this comment:

<https://www.earth-syst-sci-data-discuss.net/essd-2018-75/essd-2018-75-AC1-supplement.pdf>

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