

Interactive comment on “Repeat hydrography in the Mediterranean Sea, data from the *Meteor* cruise 84/3 in 2011” by T. Tanhua et al.

Anonymous Referee #2

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The data contains a comprehensive set of physical and biogeochemical parameters (including oxygen, tracers, nutrients and an over-determined carbonate system etc.). The analyses seem to have been carried out very carefully and are well documented. The data is useful in itself, for comparisons with older data as care has been taken to follow guidelines for repeat hydrography and also for future reference. The paper is clear and concisely written and I support publication.

Comments: As the carbonate system was over-determined, were there any comparisons between calculated and measured values for pH, TCO₂ or alk?

In section 2.1. The sentence starting on line 4 ("Overall accuracies are within expected ranges...") is a bit unclear regarding the accuracy for oxygen. Might be simpler just to write out what it was.

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Section 2.3. Regarding the last sentence, was there a particular reason to use a sub-standard when measuring the drift of the system instead of crms?

Technical comments:

Section 2.7. 1. "." after mL and in the last sentence, change public available

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