

Interactive comment on “Dissolved Inorganic Nutrients in the Western Mediterranean Sea (2004–2017)” by Malek Belgacem et al.

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On behalf of all authors, we would like to express our thanks for your thorough reading of the manuscript and suggestions and for the positive comments, as you mentioned, the new product, is a starting point for us for a living data collection.

1) lines 316 – 318 are misinterpretations of “wrong” numbers (crossover method application vs interpretation of the internal consistency) . . . The improvements should still be visible; however, the calculations should be redone, and the “correct” numbers should be given.

Thank you for pointing the issue with calculation, it was corrected in the final version of the paper.

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2) Concerning one minor issue - I am missing a presentation of the temporal distribution of the samples, i.e. the dates of the cruises. This would be nice to have to allow the detection of seasonal biases of the data-product (observational seasonal biases are hard to surpass and totally fine themselves but should be mentioned if present).

In all figures and tables, cruises are in chronological order, that's why we did not add samples distribution.

3) Lines 228 – 230 might be misleading: Weights are given according to the “confidence” in the determined offset of the compared profiles

Done.

Interactive comment on Earth Syst. Sci. Data Discuss., <https://doi.org/10.5194/essd-2019-136>, 2019.

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