

Responses to Editor Mario Hoppema

Dear Dr. Bluteau and co-authors,

Thank you for the revised version of your manuscript. I am satisfied with your response and revisions and your manuscript is now accepted for publication in Ocean Science. There are some final technical issues which are listed below. Please account for these when submitting the final version of your manuscript.

Thank you Editor Mario Hoppema for your comments. We have corrected the manuscripts as requested. Our responses are bolded

L59 delete Below - **Corrected**

L91 8 to 23 February 2018 (date format) - **Corrected**

L104-105 psu is not a unit and should not be used. Please change wording, using practical salinity or similar
Corrected this sentence by stating practical salinity at the beginning of the sentence.

L108 The notation of nitrate and nitrite as shown here is not clear. Do you mean $\text{NO}_3 + \text{NO}_2$? **Yes, we have fixed this passage of text.**

L110 What is $+\text{NO}_2^-$? -- **Calorimetric methods measure $\text{NO}_3^- + \text{NO}_2^-$, and NO_2^- . We have fixed the text so this becomes clearer**

L182 Please do not use psu because salinity does not have a unit (also at many other places in the text)

Figure 3 caption: Please delete psu

L237, 238, 241 no psu

We searched and replaced psu instances in the text.

L474 volume missing -- **Corrected**

L487 double doi

L509 double doi

We manually removed the url/eprint fields in the bibtex entries. The copernicus bst file should be changed to avoid displaying these additional fields that are downloaded automatically from publishers.

L549-550 Several strange symbols. Please give correct reference **The accents were fixed in the bibtex entry.**