

Interactive comment on “A compilation of global bio-optical in situ data for ocean-colour satellite applications – version two” by André Valente et al.

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Dear Referee #2,

Thank you for the comments provided. We have addressed all the comments as shown below.

Referee #2,

General comments: Very good update of a very useful product. Good data access and helpful data explanation / description. Small changes suggested:

Comment 1: P4 L18: “ARCSSPP, BARENTSSEA” needs a space

Response: space was inserted

C1

Comment 2: P18 L29 to P19 L1: “The table is comprises in situ observations between 1997 and 2017...” remove the word ‘is’?

Response: word “is” removed

Comment 3: P41 Figure 3. This reviewer finds Fig 3 very useful but perhaps somewhat confusing. To make their point about predominance of summer-time sampling more strongly, authors might consider regrouping this data into two side-by-side panels, one for NH and a second for SH? At present, the viewer needs to mentally oscillate between NH and SH as one reads downward by parameter. Also, empty (white) squares indicate no data for that parameter for that month?

Response: The main purpose of Figure 3 is to show information about a given variable. Therefore, it seems better that all information of a given variable is provided together (in this case, one in top of the other) not in separate panels. As it is now, the viewer can immediately see for example the difference of “rrs” observations between NH and SH. But if we follow the suggestion and separate panels this hemispheric difference becomes less obvious. For this reason, the suggestion is not followed.

Yes, the empty (white) squares indicate that no data is available. This is now added to the caption of Figure 3.

Interactive comment on Earth Syst. Sci. Data Discuss., <https://doi.org/10.5194/essd-2019-27>, 2019.