

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

Anonymous Referee #1

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General comments:

This study integrates most of global high quality ocean-color in-situ datasets, and enables the compiled dataset to be widely used. It includes integration of parameter definition and the file format with original information as much as possible. I think this work has significant contribution to enable the ocean color community to use the same database for comparison among satellite ocean color algorithms including IOP models, and improve the interoperability among the different satellite datasets. It is out of the scope of this paper, however, it might be beneficial that there is a way to add the new datasets which will be acquired in the future, if possible.

Specific comments: Table 1: Variable tag name should be consistent to the data file.

They are written as follows in the dataset, "Date/Time Latitude Longitude Depth water

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[m].".

"Depth water " should be included in Table 1.

Figure 10: Can authors show the difference of the data source by dot's color (as same color with Fig. 8) if possible?

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