Comment on essd-2022-159
Anonymous Referee #1

Referee comment on "A compilation of global bio-optical in situ data for ocean-colour satellite applications – version three" by André Valente et al., Earth Syst. Sci. Data Discuss., https://doi.org/10.5194/essd-2022-159-RC1, 2022

This is an important effort because this kind of database will contribute to validate various ocean colour products and improve their interoperability. The continuous update is also meaningful.

In this revision, aph was especially increased and the grids of wavelengths became increased. I've read the data files and operated them, and did not have any problem.

In the operational point of view, it was not easy to read the increasing text table (e.g., about 1000 columns for Rrs and 2500 columns for IOP), so I hope it will be stored by NetCDF (or other better ways) in the future version.

I just find a minor mistypo:

Figure 2: unit of rrs seems wrong: m^-1 should be sr^-1