

## Reply to Anonymous Referee #2

*We wish to thank Referee #2 for the positive feedback. We addressed the comments as detailed below with a line-by-line response provided in italic.*

1. It is understood that the current product merging strategy follows the OC-CCI approach. Please explain whether moving to the Copernicus baseline of spectral band selection for the radiometry is planned in the future.

*We will surely comment on this and say that we periodically check upstream data quality by comparison with in situ observations. The outcome of the comparison constitutes the basis for taking any sort of such kinds of decisions. We currently use SeaWiFS as it revealed to be the best sensor in the satellite-in situ data comparison. We will comment on the fact that using a sensor reference means to choose between the need of having the best available quality (e.g., SeaWiFS, in our current case) and to account for the climate-change issue referring to more recent observations (e.g., Copernicus missions).*

2. Future evolution to incorporate Copernicus missions, i.e. S3 OLCI (when ready), should also be brought up and discussed.

*We will comment on this in the next version of the paper. We will mention that, as stated above, we periodically check the impact of ingesting new data sources into the processing chain when they become available. Moreover, it is important to mention that the evolution quality of new sensors to be ingested into the multi-sensor processing chain is also checked in terms of output data quality and in terms of number of observations available to users.*