

Interactive comment on “The CMEMS GlobColour Chlorophyll-a Product Based on Satellite Observation” by Philippe Garnesson et al.

Philippe Garnesson et al.

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Please see the figure and the document attached.

Please also note the supplement to this comment:

<https://www.ocean-sci-discuss.net/os-2018-155/os-2018-155-AC2-supplement.pdf>

Interactive comment on Ocean Sci. Discuss., <https://doi.org/10.5194/os-2018-155>, 2019.

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Dear Emmanuel Boss,

Please find our comments/responses in blue in your text.
We have also attached a new release of the article. This a major revision of the initial article:
the form has been changed, the assertions are better argued. Most of the figures have been also reviewed.
All your comments have been taken into account but there were so much (thank you for your efforts) that
it is difficult to track them.
If required we can also provide a document with the word track change (but I am afraid it will be not very
useful).

We have attached a new release

Thank you for your useful comments.

Philippe Garnesson on behalf of co-authors.

Emmanuel Boss (Referee) emmanuel.boss@maine.edu

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Reviewer: Emmanuel Boss, University of Maine

This paper describes the chlorophyll products based on Satellite Observation and disseminated in the
frame of the Copernicus Marine Environmental Monitoring Service (CMEMS). Different strategies for
merging remote sensing data are presented (e.g. merging radiance vs. merging the products) and the
choice of using a merged product approach is justified.

While I see the benefit in publishing this paper, in its current form, it reads like a report to a funding
agency rather than a scientific paper. In addition, this paper can benefit a lot from being read by a native
English speaker (I am not).

The form of the paper has been reviewed.

For example, I would have expected that the comparison between products will also involve the statistics
of distributions of values of chlorophyll (histograms) as done when such algorithms are published (both
globally and regionally).

The objective of this article is to highlight two major topics (merging and flagging) and to justify the
approach selected for the GlobColour CMEMS processor (there is no innovation proposed in terms of
chlorophyll algorithm retrieval). We have modified title/abstract/conclusion to better explain our
objective.

Statements are made in the conclusion sections that are not justified by results.

The conclusion has been fully reviewed.

Fig. 1.

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