

Dear Editor,

We thank you for the fine screening of the manuscript. We have revised it and we are happy to resubmit it according to your comments, that are addressed below. Other than these, a rephrased figure caption and an additional note in the acknowledgements, there are no further changes.

Best regards,

Jaime Pitarch.

Author's reply to:

Topical Editor Decision: Publish subject to minor revisions (review by editor) (13 Jan 2021) by Giuseppe M.R. Manzella

Comments to the Author:

Line 24 of the abstract: the link to data is <https://doi:10.1594/PANGAEA.904266>. Must be <https://doi.pangaea.de/10.1594/PANGAEA.904266> (please check)

Thank you for finding this error. It is corrected now.

Line 154 - 155: As the situation for the variables treated in this article is similar in terms of paucity of publicly of quality-controlled available data ... Please rephrase the sentence.

We appreciate the suggestion and acknowledge that the phrasing was odd. Now it reads "As the satellite variables derived in this article are also affected by a lack of open and quality-controlled in-situ data, uncertainties will be provided as bulk estimates."

Line 282 - oceanic trends and oscillations. ?oceanic trends and seasonal variability? Please specify.

We agree that this sentence needed revision. Now it reads "This section provides an example of application that shows the unique possibilities of long-term satellite data: the calculation of pixel-wise oceanic trends."