

I reviewed your new manuscript submission and your response to the reviewer comments. I find you have answered satisfactorily to most of the reviewer's concerns. But there are a couple of small sections where I would like to see some changes:

1. In L96, you write "the OCN measurement were one or two pixels away from the shore". I agree with the reviewer in this respect. I suggest that you write your argument regarding the averaging nature of the SAR measurements "As the product is already an average of SAR measurements..."

Text altered to: "As the Level 2 OCN product values are already an average of SAR measurements (resolution 10m and product resolution 1km) further averaging was not applied."

2. In L268-270, you write "... showed that there is a need to improve the algorithms used by the Sentinel-1 level 2 OCN product to process the raw SAR data, particularly at the edges of the swaths." Again, I do agree with the reviewer's comments. "The edge effects are inherent from the raw SAR observations, and it would therefore not help to modify the wind retrieval algorithms." Therefore, I find a more appropriate conclusion is that the user should be aware of the edge limitations of the data and filter the data accordingly. Please rephrase in the updated manuscript.

Text altered to: "It can be concluded that the accuracy was dependent upon location, which is a factor that should be considered when using Santinel-1 SAR data, this is shown to be particularly the case at the edge of swaths, users should be aware of this limitation and filter the data accordingly."

I would also request that you make some corrections to the manuscript following the WES guidelines (https://www.wind-energy-science.net/for_authors/manuscript_preparation.html):

1. Please review the guidelines regarding standard units. There are inconsistencies throughout the manuscript. The figures and figure captions should also follow the instructions.

Standard units used throughout. Can more detail be provided with regards the issues with captions?

2. The labelling of the various panels in the figures and figure captions does not follow the WES standard. "Labels of panels must be included with brackets around letters being lowercase (e.g. (a), (b))."

We have replace "left" and "right" with (a) and (b) where applicable.

3. Some references do not follow the WES standard, in particular the journal name abbreviations. Also, to facilitate the work of the reviewers, all the references must contain clickable DOIs or URLs when possible.

Abbreviations adjusted and clickable URLs included.