

## ***Interactive comment on “Two typical merging events of oceanic mesoscale anticyclonic eddies” by Zi-Fei Wang et al.***

**Ilker Fer (Editor)**

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Thank you for your response to the reviewers' comments and the annotated version of your final response.

Before I can consider your submission in Ocean Science and send over for a re-review, I need you to address the following.

I find the introduction and use of errorbars unsatisfactory. It is mentioned only once in the figure caption, li 67: "errorbars indicate the standard deviation...", without further description. Because the bars are constant for a given parameter, I am guessing you obtained this as one std of say 10-15 values shown in the panels. Of course, for the relatively flat curves of AE, the std is minimal. But this doesn't mean that error

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is so small. This is not an acceptable approach and I request you make an attempt to estimate an error based on your methods and analysis (and briefly describe this in the paper). If, in the light of errorbars, you need to adjust your discussion and/or conclusions, please do so.

Some minor edits: li 81: Eddy merger

li 86: the surface

li 87-88: please rewrite the opposite cases of surface and subsurface avoiding brackets

Table 1: Use increased/decreased (not ascended/descended). It would be better if you could add the percentage of increase/decrease too.

Fig 6 is horizontally distorted, please fix

Thank you, Ilker

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Interactive comment on Ocean Sci. Discuss., <https://doi.org/10.5194/os-2019-67>, 2019.

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