

Interactive comment on “Modulation of the vertical particles transfer efficiency in the Oxygen Minimum Zone off Peru” by Marine Bretagnon et al.

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1) Comments from Referee.

I had difficulty evaluating this manuscript. I believe the methodologies and observations are on solid scientific ground and interpretations are justified. However, the writing style is so dense, including often unnecessarily complicated terminology, redundant or unimportant details, and some passages were just ambiguous. The English grammar needs a lot of work. I am totally sympathetic to non-native Anglophones, but I cannot wade through this. Furthermore, I found treatment of existing literature to be a bit superficial and occasionally inaccurate. I refer the authors to several directly relevant

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studies that they overlooked: Thunell et al. (2000) L&O 45(2), Devol and Hartnett (2001) L&O 46(7), and Taylor et al. (2009) DSR I 56. In my opinion, this paper requires ruthless simplification and editing. To provide a detailed review of this draft would take me an entire day that I do not have to dedicate to this activity.

2) Author's response.

We thank Referee #1 for the quality he or she attributes to the collected data and methodologies we used in this study. We are also grateful for the relevant literature suggested that we now included in the manuscript. Also, in order to improve the English style and grammar, we requested the RAPTRAD company to perform a careful reading and editing.

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