



**LABORATOIRE D'OCEANOGRAPHIE ET DU CLIMAT :
EXPERIMENTATION ET APPROCHES NUMERIQUES**

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Dear Editor and Reviewers,

Please find the revised version of our manuscript entitled « Longitudinal contrast in turbulence along a ~19S section in the Pacific and its consequences on biogeochemical fluxes" as well as a point to point response to your comments.

We would like to thank for your detailed comments that have improved the manuscript.

As advised the results are discussed in a more quantitative way with more information on the statistics, now given in different tables, which strengthens the results. The manuscript is also now divided in different subsections to make it easy to read.

We also would like to thank the editor for the extensions of the deadline that made this revision possible.

Best regards

Pascale Bouruet-Aubertot