

Thank you for the positive evaluation of our revised manuscript. We are very pleased that the revisions have addressed your concerns and strengthened the manuscript. We have implemented your suggestions as follows.

L. 10–12: The meaning of this sentence is not clear. I suggest removing the reference to averaging here.

We removed the reference to averaging and modified the sentence to:

*“Modelled conversion rates have a complex spatial structure with substantial values on the offshore, deeper side of the boundary current with comparable contributions from baroclinic and barotropic processes.”*

L. 81: “...coverage of instrumentation.” Please consider replacing this with “instrument coverage.”

Done.

L. 95–96: This statement should be supported by quantitative estimates or removed. Agreed. We have removed the sentence.