

Dear Dr Matt Rayson,

we are glad that our manuscript is now at the final step of the peer reviewing process. Please find herewith our revised manuscript. Thank you for your last comment about replacing the barotropic and baroclinic terms by more appropriate ones. Indeed it makes the manuscript clearer. We also agree with the last few minor revisions pointed out by the Anonymous Referee #1. The text has been corrected accordingly for all of them. We are specially thankful to the Anonymous Referee #1 for all the revisions he suggested. We agree that they improved consistently the manuscript.

Please note that, in the revised manuscript, added text appears in magenta colour, and removed text appears in light grey (the same for the Figures and Tables)

Yours sincerely,

Dr Sabrina Homrani et al