

Dear Prof. Gwendal Rivière and Reviewer:

I would like to thank you and the reviewer for the careful reading and the positive recommendation. I am very grateful for the constructive comments that have helped improve our manuscript.

To avoid any conceptual ambiguity and to follow the reviewer's suggestion, I have removed the "strange" sentence (As Rossby waves continue to intensify, classic linear instabilities can arise) entirely from the revised manuscript.

I hope the revised version is now acceptable, and I am happy to make further adjustments if needed. Once again, I sincerely appreciate your and reviewer's time and expertise.

Yours sincerely,

The author: Yaokun Li