

## Point-by-Point Response

We acknowledged the referee's comments. In this point-by-point response, we reproduced the comments (black font), gave our responses (blue font). The point-by-point responses are below.

### Editor Comments:

1. Based on the reviewers' comments and my own assessment, I believe another round of review would be beneficial. I kindly recommend a careful revision of the grammar and syntax to enhance clarity and readability (see e.g., sentences like 'This gradient wind theory has been cited in studies deriving global cyclogeostrophic current data.

RE: Thanks for your careful consideration. Following your suggestions, we have modified the written English. We have kept the tracks in the file "text-track.docx", in which the red tracks are modified following "Deepseek", the green tracks are modified by Prof. Hidekatsu Yamazaki, and the purple tracks are from all co-authors.

The sentence "This gradient wind theory has been cited in studies deriving global cyclogeostrophic current data." has been deleted in this version.

2. With the next file upload request, please add page numbers to pages 1-6 of the manuscript.

RE: Thanks for your suggestions. We have added page numbers to pages 1-6 of the manuscript and revise the format of references.