

Response to Comments from Editor's comment and editing

Line 21. “. . frequency,” (add “,”)

Done

Lines 42-43. At present this seems to say that the β -effect reduces the NIO decay time scale. I think you want “the β -effect leads to equatorward propagation of the NIOs and their decay time scale is reduced because of the vertical propagation . . .”

Done.

Line 50. Delete redundant “the dissipation and”

Done

Line 52. “. . related to a front . .” [because a front was not mentioned previously]

Done.

Line 68. Omit “stream”? Maybe you just want “. . background flow over the”

Done.

Line 81. “. . pressure) 948 hPa . .” (Omit first “at”).

Done

Line 158. “spectra” -> “spectrum”.

Done.

Line 166. Omit “the” at end.

Done.

Line 203. You could omit “, which rotated in the direction of the Earth's rotation,”

Done.

Line 204. If “within ~1 day” refers to “dissipated quickly” rather than how quickly the wind forcing stopped then better “dissipated quickly, within ~1 day after the wind forcing stopped. This short duration . . .”

Thanks, and done accordingly.

Line 208. I do not understand “back”. Omit?

Done.

Line 229. “. . out of the”

Done.

Line 285. “smaller increasing rate” -> “smaller rate of increase”

Done.

Line 305. “constrain” -> “constraining”

Done.

Lines 452-453. “. . . meantime upwelling, caused . . .” [meantime one word; move “,”]

Done.

Figure 8 caption. Line 2: “read” -> “red”. Lines 3-4. I am puzzled; the orange curve arrows look like positive relative vorticity, the blue curve arrows look like negative relative vorticity, the opposite of what you state for “zeta”. Line 4: “yellows” -> “arrows”.

We replot the arrows.

Figure 12 caption. Lines 2-4 refer to panels (d-f), (g-i), (j-l) but there are only panels (a-c) in the figure.

The caption of Figure 12 is revised.

Thanks a lot for spending time to provide the very careful editing and comment.