

MS No.: egusphere-2025-283

Title: Enhancement of near-inertial waves by cyclonic eddy in the northwestern South China Sea during spring 2022

Point-by-Point Response to Editor

Specific Comments

The paper can be published when the point below, is also acknowledged in the manuscript. This is needed for other to be able to reproduce results or provide appropriate comparison.

The point below is from the response to the reviewer.

"The moving average needs to be applied after multiplying the variables; however we applied the moving average to individual variables before the multiplication, which thus resulted in excessive smoothing of the final results."

Dear Editor,

Thanks for the comment. The above response just reexplained the mistake we made in the first version in which we used wrong time-window to do time-smooth. The right figures and results regarding this point were already corrected in the second version, thus other researchers can reproduce the results and provide appropriate comparisons. Thanks again.