

1. Referring to major comment 4 (RC2 in first review), show the composite maps in supplementary file for the robustness of the physical mechanism.

The composite maps were added as Figure 5.

2. Referring to major comment 6 (RC2 in first review), show (or replace) the figures in supplementary (revised manuscript) file and explain them in the revised manuscript.

To show clearly the RWS, upper-level divergent wind and Rossby wavetrain, we showed the significant areas in Figures 4c-f and 7c-d in supplementary file (Figures S1 and S2) and explained them in the manuscript.

3. Referring to major comment 7 (RC2 in first review), authors may add the explanations in the manuscript.

We added explanations in the manuscript.