

***Interactive comment on “Influence of gravity wave temperature anomaly and its vertical gradient on cirrus clouds in the tropical tropopause layer – a satellite-based view” by Kai-Wei Chang and Tristan L’Ecuyer***

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Hello Referee 1,

In our previous reply regarding your comment to Figure 10, we said that we will use the new Figure 10 ( $r_e$  in different longitude belts). However, we think that the results in this new figure is rather inconclusive and doesn't show anything significant. For this reason, we are planning to submit the revised manuscript using the original Figure 10 ( $r_e$  stratified by height). I hope this is acceptable. We made minor modification to this

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Figure by adding the total number of  $r_e$  samples in each plot.

Best, Kai-Wei

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