

Interactive comment on “On the intermittency of orographic gravity wave hotspots and its importance for middle atmosphere dynamics” by Ales Kuchar et al.

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Dear all,

unfortunately, we encountered a bug in the residual-term calculation which actually affects Fig. S2 and the related description in the manuscript. We attach a new Fig. S2 with the correct calculation (see red and purple lines). On this matter, we would like to modify the following sentence in the current manuscript:

"...and the residual term has a double-peak structure (see Fig. S2), which may stem from missing NGWs generated from atmospheric jets and fronts (Plougonven and

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Zhang, 2014; Chun et al., 2019) or underestimated OGWD (Seviour et al., 2012)."

with the following:

"...and the residual term latitudinal maximum coincides with the OGWD latitudinal maximum (see Fig. S2) between 30-40°N, which may stem from underestimated OGWD (Seviour et al., 2012)."

Thanks for your understanding. On behalf of all co-authors

Ales Kuchar

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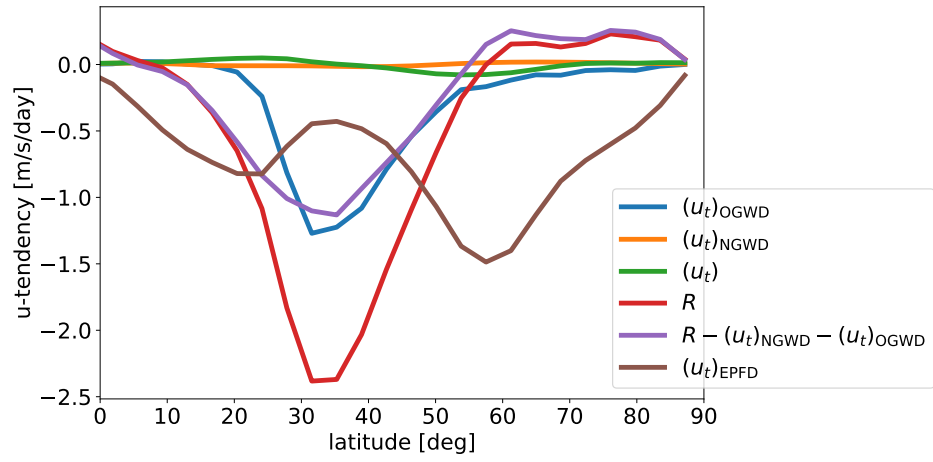


Fig. 1. Climatological average of particular CMAM-sd tendencies in January averaged over the period 1980-2010.