

Interactive comment on “Influence of the spatial distribution of gravity wave activity on the middle atmospheric circulation and transport” by Petr Šácha et al.

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On behalf of all co-authors I would like to thank the referee for his numerous and detailed comments, questions and suggestions.

Also in connection to the comments from Referees #2 and #3, we can summarize the response to the major comments accordingly:

1) We will revise the model description part together with the description of experiments and variability.

2) The tracer related discussion will be removed and the figures will be moved to the supplement - only to highlight the motivation for research of the EA/NP region.

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3) The Discussion and conclusions section will be revisited to give primarily a clear summary of the presented results.

I would like to thank you very much again. Hopefully, a point to point author response will be uploaded soon.

Petr Šácha.

Interactive comment on Atmos. Chem. Phys. Discuss., doi:10.5194/acp-2016-548, 2016.