

Interactive comment on “Global sensitivity of aviation NO_x effects to the HNO₃-forming channel of the HO₂ + NO reaction” by K. Gottschaldt et al.

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We thank the referee for this positive review. The statement that they got similar results with an independent model (WACCM) indicates that the effects are robust and adds a stamp of credence to our study. A thorough multi-model study might nevertheless be warranted, if the HO₂ + NO → HNO₃ reaction is confirmed by more experimental studies. We accept the comments of the referee about the figures and revised them. Redundant annotations were removed, allowing for bigger individual figures in the panels. The number of contour levels was significantly reduced in a further attempt to improve readability, but without losing the important features. We also shortened the study, which is discussed in our reply to Anonymous Referee #2.

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