

Interactive
Comment

Interactive comment on “The HNO_3 forming branch of the HO_2 + NO reaction: pre-industrial – to – present trends in atmospheric species and radiative forcings” by O. A. Søvde et al.

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We appreciate this helpful comment. The H_2O effect is clearly interesting, and should be tested in global models, but only after it has been measured for the temperature and pressure range relevant to the troposphere and lower stratosphere. At the current stage, as the parameterisation is only valid for conditions near the Earth's surface, we therefore leave the H_2O effect for later modelling studies.

Interactive comment on Atmos. Chem. Phys. Discuss., 11, 14801, 2011.

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