

## ***Interactive comment on “Comparison of tropospheric chemistry schemes for use within global models” by K. M. Emmerson and M. J. Evans***

**K. M. Emmerson and M. J. Evans**

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We thank Jason Williams for reading our manuscript and taking the trouble to prepare a short comment. We agree with his comments that the response of the chemistry scheme when imbedded with in a composition transport model may well prove to be different from those obtained when considered in isolation as in our study.

We have included text to emphasise this point in the conclusions.

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The simulations performed on the chemistry schemes in this study are extreme. Once embedded within a chemistry transport model, with transport, mixing, emissions and

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deposition the model sensitivity to the different chemistry will be less. However these simulations highlight the differences that exist between the schemes within the models.

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Interactive comment on Atmos. Chem. Phys. Discuss., 8, 19957, 2008.

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