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ACPD

6, S3478–S3478, 2006

Interactive Comment

Interactive comment on "Influence of different convection parameterisations in a GCM" *by* H. Tost et al.

Anonymous Referee #1

Received and published: 2 October 2006

My comments to the present manuscript are very brief, as the manuscript is well written and all the figures and results as presented are of good technical and scientific quality. The authors skillfully assess the impact of several up to date convective parameterisations in the same global model. The authors concentrate on the hydrological cycle (precipitation, total column water and atmospheric relative humidity). This is a necessary exercise if one later wants to correctly assess the convective transport of chemical species, as well as the removal through precipitation and their reactivity in moist air. As I understood a study focused on chemical tracers is to follow in a companion paper to complete the present study. Therefore at this point I suggest to accept the present manuscript essentially as it stands.

Interactive comment on Atmos. Chem. Phys. Discuss., 6, 9213, 2006.



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