

Interactive comment on “Modelling the global tropospheric ozone budget: exploring the variability in current models” by O. Wild

Anonymous Referee #1

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The author examines uncertainties in modeling tropospheric ozone and investigates to what extent differences between models can be explained by differences in key model processes such as surface emissions, stratospheric-tropospheric exchange, wet and dry deposition or lightning. This is an interesting study and of great help for scientist working with chemistry transport models. The results help to quantify current limitations in these models and give suggestions for future model improvements and refinements. I also want to highlight the comprehensive literature review included in this paper and the survey of the development of modeled ozone budgets. The work is detailed and well carried out and the paper clear and well written. I see no need for changes and suggest the paper for publication in ACP.

Interactive comment on Atmos. Chem. Phys. Discuss., 7, 1995, 2007.

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