

Interactive comment on “Diurnal variation of stratospheric HOCl, ClO and HO₂ at the equator: comparison of 1-D model calculations with measurements of satellite instruments” by M. Khosravi et al.

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The reviews for the first version of this manuscript were rather critical and at least one of them did not support publication in ACP. The authors have addressed most of the comments made by the referees and submitted an improved second version.

Unfortunately, only one of the reviewers was willing to comment on this version and while acknowledging the improvements in the revised paper, he did still not support publication. A third referee was called to replace the dropped out reviewer and he

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came to much more positive conclusions but asked for additional changes which were made by the authors.

Considering all the comments made and the replies given as well as and changes made by the authors, I decided to accept the paper for publication in ACP in spite of the reservations of one of the reviewers. The main reason for doing so is that the large and in parts new data sets collected, as well as the detailed comparisons of the diurnal cycle of the ClOx and HOx species are a useful resource and interesting for the stratospheric and mesospheric communities.

Interactive comment on Atmos. Chem. Phys. Discuss., 12, 21065, 2012.