

Interactive comment on “Temperature dependence of secondary organic aerosol yield from the ozonolysis of β -pinene” by C. Stenby et al.

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As a co-author of the paper by Stenby et al., I would like to thank the three referees for the thoughtful and constructive review of our discussion paper. Comprehensive answers to the comments will be given by the lead author Charlotte Stenby.

At this point I would just like to clarify that the authors have chosen to submit a re-written and enlarged manuscript for review, discussion, and publication in ACPD (new discussion paper) rather than revising the present discussion paper for publication in ACP (even though the latter would probably have been possible in view of the overall positive referee comments).

Upon completion of the first manuscript draft dealing with the temperature dependence

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of SOA formation from ozonolysis of beta-pinene under dry conditions, it was not clear if and when the corresponding experiments under humid conditions could be completed. Thus we proceeded to publication and discussion of the results obtained for the dry model system in ACPD. In the meantime, however, the experiments under humid conditions could be completed and analyzed faster than anticipated.

Since some of the referee comments were directly related to the influence of humidity and because the results of the experiments under humid conditions are important for the overall characterisation and understanding of the investigated system, we decided to go for a comprehensive new discussion paper dealing with both the temperature and humidity dependence. The new discussion paper is now available under the following reference and web address:

Atmos. Chem. Phys. Discuss., 7, 2091-2132, 2007

www.atmos-chem-phys-discuss.net/7/2091/2007/

Interactive comment on Atmos. Chem. Phys. Discuss., 6, 10275, 2006.

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