

Interactive comment on “Heterogeneous oxidation of saturated organic aerosols by hydroxyl radicals: Uptake kinetics and condensed-phase products” by I. J. George et al.

I. J. George et al.

Received and published: 7 August 2007

We appreciate the useful comments provided by Referee #2. We will reply each point individually:

1. We meant by this statement that we do not expect peroxides to be present during MS analysis due to their chemical instability. We will clarify the statement in the manuscript.
2. The referee makes an important point that the oxidation lifetime might not lead to large changes in hygroscopicity of organic particles. We are currently undergoing research in this area by studying the changes in CCN activity of oxidized organic particles, further expanding on the work by Petters et al. (2007) to explore this hypothesis.

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Technical comments:

1. We will add this study to our references and discuss when appropriate.
2. We will make necessary changes to the manuscript.

Interactive comment on Atmos. Chem. Phys. Discuss., 7, 6803, 2007.

ACPD

7, S3841–S3842, 2007

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