

Interactive comment on “Reactive oxidation products promote secondary organic aerosol formation from green leaf volatiles” by J. F. Hamilton et al.

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The authors present interesting new data on the production of SOA from green leaf volatiles (GLVs). The manuscript is well-written. I have a few comments to add to those of the anonymous referee:

- I suggest that the authors reword the title for clarity. The word 'promote' suggests a third-party role for the reactive oxidation products, whereas they have a direct involvement in the SOA production.

- The authors state that experiments were performed at 6% RH. Why was such a low relative humidity used? On p. 3927, lines 26-30, the authors make a connection

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between the observed oligomerization and aqueous-phase glyoxal chemistry. It should be acknowledged that at such low relative humidities, and in the absence of seed aerosol, the aerosol will have low water content, so the analogy to aqueous-phase mechanisms of SOA formation may not be appropriate.

- The images in Table 2 are too small to be viewed clearly.
- Please address the comments of Anonymous Referee #2 re: Figure 5.

Interactive comment on Atmos. Chem. Phys. Discuss., 9, 3921, 2009.

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