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Atmospheric Chemistry and Physics Discussions

Interactive comment on "Missing peroxy radical sources within a rural forest canopy" *by* G. M. Wolfe et al.

Anonymous Referee #2

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The authors present high measured concentrations of total peroxy radicals from a Ponderosa pine forest during summer time. A box model was used to investigate sources and sinks of the peroxy radicals withing the canopy.

Current chemical mechanisms are incapable of explaining the high concentration of peroxy radicals and the authors suggest that the missing sources could be underpredicted HO2 together with a radiation independent source.

This topic is very interesting and timely, since peroxy radicals and HO2 are part of the atmospheric oxidation chain. The sources and sinks of OH have for some time been discussed, but it is not the only important player in that game.

This paper is very good and after taking referee 1's minor comments into consideration,

this paper is ready to be published.

Interactive comment on Atmos. Chem. Phys. Discuss., 13, 31713, 2013.

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