

Interactive comment on “FORest canopy atmosphere transfer (FORCAsT) 1.0: a 1-D model of biosphere–atmosphere chemical exchange” by K. Ashworth et al.

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Review of “FORest canopy atmosphere transfer (FORCAsT) 1.0: a 1-D model of biosphere-atmosphere chemical exchange” Ashworth et al., GMD (2015) We thank Reviewer #2 for their positive comments. “p.5198l.25: I think what the authors mean to say is HO₂* denotes the sum of HO₂ plus peroxy radicals produced in the isoprene chemistry initiated by reaction with OH; there is no such thing as OH+ which is currently what’s in the text.” We thank the reviewer for catching this typo, we have amended the text accordingly

“p.5201l.5: At this point I wasn’t sure anymore what RO₂* refers to. It would be very

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helpful to the reader to repeat that definition very briefly here.” A reminder has been added to Line 3, which now reads “peroxy radicals (RO₂*)”

“p.5205l.5: citation "Myrdal and Yalkowsky (1997)" seems to be missing from the reference list.” This has now been included in the References.

“p.5210l.11: please clean up typo.” Thank you, the second “with that” has been removed.

“p.5210l.26: please remove space from "isoprene+OH-derived”.” Removed.

“p.5212l.6: please resolve typo; either "these show" or "this shows”.” This line now reads “This shows”.

“p.5215l.5: please check unit symbols.” The units of WSOC have been corrected to read $\mu\text{g C m}^{-3}$

“p.5215l.10: please check unit symbol.” The units of WSOC have been corrected to read $\mu\text{g C m}^{-3}$

Interactive comment on Geosci. Model Dev. Discuss., 8, 5183, 2015.

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