

Interactive comment on “Estimates of non-traditional secondary organic aerosols from aircraft SVOC and IVOC emissions using CMAQ” by M. C. Woody et al.

Anonymous Referee #1

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General comments: 1. Can the authors comment on the impact of fuel composition on the formation of SOA?

Specific comments: 30673. Ln 17,18 - This sentence is not clear. Please rephrase. 30675. Ln 23,24 - Recent studies, e.g. Stettler et al., 2013 have indicated that FOA 3 underestimates aircraft elemental carbon emissions by a factor of 2.5-3. Have the authors taken this into consideration? 30677. Ln 21-27 - Although the CFM56 family of engines is widely used, differences between older technology (CFM56-3B) and newer technology (CFM56-7B) engines have been reported in the literature, with older technology engines exhibiting higher emissions. The authors should comment on the

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implications to this work.

Interactive comment on Atmos. Chem. Phys. Discuss., 14, 30667, 2014.