

Interactive comment on “Simulating secondary organic aerosol in a regional air quality model using the statistical oxidation model – Part 2: Assessing the influence of vapor wall losses” by C. D. Cappa et al.

H. O. T. Pye

pye.havala@epa.gov

Received and published: 3 December 2015

We thank the authors for their quick and thorough response. The Kim et al. reference is the one they have indicated (<http://www.atmos-chem-phys.net/15/10411/2015/acp-15-10411-2015.pdf>). I was referring to Figure 11d and the ISOPOOH to ISOPN ratio as an indicator of HO₂:NO ratios as ISOPOOH comes from RO₂+HO₂ and ISOPN from RO₂+NO. Although GEOS-Chem does not provide a perfect prediction, it does capture the decline in ISOPOOH:ISOPN from August to September giving us some confidence in models' ability to predict high vs low-NO_x branching.

C10028

Interactive comment on Atmos. Chem. Phys. Discuss., 15, 30081, 2015.

C10029