

Interactive comment on “Spring and summer contrast in new particle formation over nine forest areas in North America” by F. Yu et al.

Anonymous Referee #1

Received and published: 1 October 2015

This paper analyses atmospheric new particle formation and growth in North America by comparing model simulations with measurements made at 9 locations. The topic of the paper is of scientific interest, and the analysis itself appears scientifically sound. The paper is relatively well written and structured and it is easy to follow. I have only one major comment that I would like the authors to address somehow:

While the authors discuss the implication of their findings, and also related uncertainties, in section 4, this whole discussion remains at a rather speculative level. I would strongly recommend the authors to perform at least some sensitive runs to the key variables that are expected to influence the obtained results. Such a sensitivity study would considerably raise the value of this analysis.

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The only technical error I could find was the error in citation (line 26 on page 21278): the year of publication should be 2003.

Interactive comment on Atmos. Chem. Phys. Discuss., 15, 21271, 2015.

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