

Interactive comment on “Predicting decadal trends in cloud droplet number concentration using reanalysis and satellite data” by Daniel T. McCoy et al.

Anonymous Referee #1

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This is a fascinating paper. It is remarkable that significant relationships between sulfur and droplet number are found for daily and interannual time scales. I have just a few minor comments.

Minor comments

Page 2, Line 22. Replace “effective” with “numerous”. Larger particles are more effective in the sense that smaller supersaturations are needed to activate them.

Page 3, line 7. Are these in-cloud values, weighted by cloud fraction?

Interactive comment on Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2017-811>,
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2017.