

October 22, 2019

RE: Submission acp-2019-429

Dear Dr. Butler (Handling Editor),

We are thrilled that our manuscript has been accepted for publication. Thanks for your time and effort during the submission process.

We hope that it is acceptable to you that we have made one final minor change to the manuscript in our finalized version. To acknowledge the recent publication of a relevant article that appeared in the September 2019 issue of *Journal of Geophysical Research Atmospheres*, we have added a citation to this work in the conclusion section of our study. In the finalized manuscript, lines 628-635 now read:

“We demonstrate that the parameterizations with explicit dependence on hydroclimatic variables have higher sensitivity to climate variability than those without. **Lin et al. (2019) likewise recently demonstrated the importance of accounting for water availability in O₃ dry deposition modeling.** Difficulties in evaluating predictions...”

We are uploading our finalized manuscript, supplement, and figures. We look forward to seeing the proofs once they are available.

Thanks again,

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