

Public justification (visible to the public if the article is accepted and published):

Dear authors,

Thank you for addressing the remaining comments by the reviewer. In terms of the text and figures, the manuscript is now ready for publication. However, I noticed that the article is missing a statement on Data availability. Please review ACP's data policy (https://www.atmospheric-chemistry-and-physics.net/policies/data_policy.html) and add this statement.

Best regards
Corinna Hoose

Dear Dr. Hoose,

We greatly appreciate your feedback and are excited to know that our manuscript is nearing readiness for publication.

Following your instruction, we have added the "Data availability" section. We have also added the "Code availability" and "Author contribution" as instructed in the submission system. Additionally, we have acknowledged an extra funding source that supported our research. We have added a few minor grammatical edits. All these changes are marked in the track-changes version of the revised manuscript.

Thank you again for your guidance throughout this process and we look forward to hearing back from you soon.

Best,

Yizhou Zhuang & Rong Fu