

Comments to the Author:

Dear author, co-authors, after a review process that has taken a long time, I can finally accept your manuscript on chemistry-aerosol-BL dynamics interactions submitted for publication in ACP. I received a final review and have pasted here the last shared comments that I still want you to handle in providing the final version of the ms for publication in ACP:

"Thank you also for including the information on the CO₂+NO₃ artefact. The authors cited in the response to the reviewer that details are provided in the publication Cai et al 2020, can this reference be included in your manuscript and specifically state that the information is detailed in the supplementary material. I have no further comments on this manuscript and I recommend it for publication."

Regards, Laurens Ganzeveld

Dear editor,

Thank you for your inputs on our manuscript.

The revised manuscript has been revised according to review's comment. We want to thank you and the two reviewers for your time and efforts in handling and reviewing this paper.

"Thank you also for including the information on the CO₂+/NO₃ artefact. The authors cited in the response to the reviewer that details are provided in the publication Cai et al 2020, can this reference be included in your manuscript and specifically state that the information is detailed in the supplementary material. I have no further comments on this manuscript and I recommend it for publication."

Response: The reference has been added in the reference list and a sentence has been also added (Line: 140) as the reviewer suggested.

Best regards,

Yonghong Wang