

We thank the editor for their final approval of the manuscript. We have addressed the final comments as described below. All editor comments are presented in italic font while the author responses are displayed in standard font.

*With the next revision, please add a section "Competing interests" (before the Acknowledgements) with the following text: John Sullivan is a member of the editorial board of Atmospheric Measurement Techniques. You uploaded a new supplement file. If you applied any changes to the previous supplement version, a tracked changes file is mandatory. If applicable, I kindly ask you to include the tracked-changes of your manuscript together with the tracked-changes of your supplement in one PDF and upload them as the "Author's tracked changes". Your reference list includes works "in review". Such works can be cited upon submission if being available to the reviewers. They should not be cited in the final, accepted manuscript, unless published, accepted for publication, or available as preprint with a DOI.*

- We have added the following Competing Interests statement: "John Sullivan is a member of the editorial board of Atmospheric Measurement Techniques."
- The previous minor changes to the Supplemental Information document have been included in the tracked changes for the final manuscript version.
- We have added the final version of the reference for all previously "in review" citations.