We thank both reviewers and the editor for their time and effort in assessing our manuscript, and the detailed and constructive comments which helped to improve the quality and clarity of this paper. Please find below our point-to-point response to the review. The revised text and updated figures are included in the updated manuscript. A separate ‘track-changes’ document is included to highlight the changes that were made to the manuscript. The text in italics below refers to the original reviewer remarks.

Please also note the supplement to this comment: [https://amt.copernicus.org/preprints/amt-2022-77/amt-2022-77-AC1-supplement.zip](https://amt.copernicus.org/preprints/amt-2022-77/amt-2022-77-AC1-supplement.zip)