

Reply to editor comments

Dear editor,

thank you for the time and effort spent on the manuscript. We considered the initial comments and hope that the revised draft properly addresses the open issues. Please find our point-by-point replies below (colored in blue). A revised manuscript with tracked changes has been uploaded.

Best regards,

Mingzhao Liu

Editor's comments

Dear authors,

you addressed all points raised by the reviewer and made according changes in the manuscript. Before I can accept it for publication in GMD, two issues have to be resolved.

1.) The data availability section needs to point to a second (Zenodo) repository, where all scripts that are required to reproduce the study are collected. Configuration files of simulations runs and plotting scripts. Please have a look at existing GMD publications if it is no fully clear what is meant (or contact me directly).

The scripts to reproduce this study has been uploaded on Zenodo (Liu, 2023) and cited in the code availability of paper.

2.) There is a difference between "which" and "that" in English language (https://www.diffen.com/difference/That_vs_Which).

I spotted several sentences where the wrong word was used. E.g. "MPTRAC is a Lagrangian transport model, which " needs 'that' Similarly, "by an altitude-dependent sensitivity profile, which" needs 'that' Please go over the manuscript to correct such mistakes.

Thank you for point out the mistakes. We have check over the manuscript to make some revisions on such wrong use of word.

Best wishes,

Simon Unterstrasser

References

Liu, M.: Running script of modeling the Ambae eruption SO₂ transport in July 2018 with MPTRAC v2.4, doi: 10.5281/zenodo.8072111, 2023.