

One more time, we would like to express our sincere thanks to both anonymous referees as well as to the topical editor.

Special thanks go to referee 1, whose recommendations had a lot of positive influence on the presentation of our manuscript.

We addressed the final technical remarks as follows (reviewers/editor's comments in blue italics).

*P17,L34: 'this means' → 'these annual averages', or something similar.* Changed correspondingly.

*P18,L3: 'outmask' → 'mask out'.* Changed correspondingly.

*P18,L13: 'decide to traverse' → 'traverse'.* 'We decide to traverse ...' → 'Here, we traverse ...'

*P19,L10: 'considerable' → 'considerably'.* Changed correspondingly.

*I would also ask you to somewhat change your code availability statement, as the code is not only available via github (link missing), but you have – much better – permanently archived the model code in the public zenodo repository. So if there is a github repository, please provide the link and please state that there is a permanently archived version of the code described here (as github repositories are not permanent and can be changed).*

We now added the link to our github repository and mention that our reference is a permanent public zenodo repository.