

To whom it may concern,

We have greatly revised our manuscript and included the suggestions from the reviewers. Furthermore, we have shortened the manuscript to make it more concise.

The point-by-point response to the reviewers can be found in our answer provided in the interactive discussion.

Summary of changes made to the manuscript:

- We have shortened and restructured the introduction.
- The method section contains minor changes.
- We have moved a number of plots from the results section to the supplement, to make the manuscript more concise.
- The discussion and conclusion are greatly revised, focusing on the EastGRIP melt layers and no side results.

Detailed documentation of changes seems redundant to us, as the entire manuscript has been greatly reworked. This documentation can of course be provided if necessary. Changes made are also visible in the track-changes version of the manuscript.

If you need any further information or documents, please contact us.

We hope you enjoy the revised version of our paper.

All the best,

Julien Westhoff et al.