

Dear Chris and Tom,

thanks for submitting your revised manuscript. It is really a pleasure to read the manuscript, and I particularly like how you generalize your findings in the last paragraph of the discussion. Accordingly, I have only a few minor comments that you should address before the manuscript is ready for publication.

All the best,
Wolfgang

Thank you Wolfgang for reviewing the manuscript and your positive words. We have made edits in line with your comments, below:

8: consider rephrasing: the surface of the Earth and other planets.

Have made this change as suggested.

Fig. 1: This map is - to put it mildly - a bit basic. Although not very relevant for this study, it would be good to have a map that shows where the site is, perhaps illustrated also by satellite imagery that enables readers to better grasp the environmental setting of the site. Also consider sparing white space.

Have included more location information and satellite imagery in a new Figure 1.

Appendix B: This figure is not very helpful and I'd consider either deleting it or creating hillshades which enable readers to much better appreciate the differences in land surface representation by the differently resolved DEMs.

We have removed this Appendix B and updated references throughout.

Finally, I'd like to encourage you to make the simulations (and pertinent information) publicly available (e.g., via a repository such as Zenodo). In fact, this is also true for the many hundreds of model runs which were conducted as part of the study published in GMD a couple of years ago. I think that in terms of inter-model comparison, a lot can be done with this data and it would be great to offer access to it also for others.

We have uploaded the test and output files to Zenodo and they can be found here:
[DOI:10.5281/zenodo.7908491](https://doi.org/10.5281/zenodo.7908491)

We accept your request to similarly provide the information for the data from Skinner et al 2018 and will look to make this available in the near future.