

4 November 2024

Dear editor,

We have now uploaded the final files for publication in ESSD. During our final review of the paper, we noticed a few things that we would like to improve if possible. In addition to smaller edits, we suggest making the following changes to the manuscript:

Line 145 and reference list: Updated the Kjølmoen et al., in prep. with the now published reference.

Line 164: Clarification on the source of data for modelling study by Fran and van Pelt (2024).

Line 327 – 328 and 336: Included a better clarification as to why we describe calculations of glacier bed elevations.

Line 879 – 881: Authors were missing from this reference and have now been added.

Figure 8: Improved resolution of survey lines and deleted the statement on positioning uncertainties in the figure description.

Figure 11: Suggested update to include information on point density. This allows the reader to better understand the differences between the statistics in the model comparison. No additional text is required in the manuscript to describe this figure, but the significance of the colours in the plot should be mentioned as suggested in the figure text if this change is accepted.

Figure A1: Updated legend to include all elements on the figure.

The files that are uploaded in the form includes these changes. If these changes go beyond what you think is reasonable at this stage, then please let us know, and we will submit a version with only the minor edits.

Kind regards,

Mette Gillespie and co-authors