

The revision has significantly improved the quality of the paper, thank you the authors!

Here are a few fairly minor comments that might help clarify the paper:

- 1) I am glad to see that the authors have now detailed the TRI-DEM uncertainty assessment in section 4.1. Figures S2-S4 show mean height difference over the stable terrain. I am not surprised to see the relatively small variabilities, because these values are the averages of many stationary points. I think a figure similar to Figure S7, but showing the difference between two TRI derived DEMs over the stable terrain area would be more informative.
- 2) Figure 4. For the purpose of this study, we are really interested in areas with elevation difference larger than 5 m. But the color scale makes it difficult to interpret the spatial variability. The authors may consider using a different color scheme, or reduce the ~-75—75 m elevation range.
- 3) Line 15, page 7: What does “the signal to noise ratio” refer to? I though the signal-to-noise ratio on stable terrain would be 0. How could it be higher than for the calving events?
- 4) References: Please consider using the final version of Xie et al. (2018) published in TC, not the discussion version published in TCD.

Sincerely,

—Surui Xie