

Dear Referee,

**Thank you for taking the time to review our revised manuscript. We have provided point-by-point response to your comments below.**

Dear Lucas,

Thanks a lot for the revised manuscript. It has improved significantly. Great work!

I just a few, small corrections which you could add:

Line 389: “of the of maximum SGL area” to “of the maximum SGL area”

**Done**

Line 477/478: delete blank before comma “(Planet Team, 2022) , particularly”

**This space has been removed.**

Table 2: Please refer the observation period and it would be nice to know the ratio between glacier area and slg area to better compare the different study sites.

**Thank you for this suggestion. We have clarified the observation period and source of this data in the table caption (all data is derived from the 2017-2022 Planet timeseries). We have also included lake areas represented as a percentage of the total debris-covered area for each of the three area columns. We agree that this makes the data more easily comparable.**

Figure 7: I would shift this figure back to the main manuscript to highlight these results as this is a large and important point of your work and also your title refers to the decadal changes.

**Thank you for this suggestion. I believe that the track-changes version of the manuscript mistakenly pushed this figure (the 1988-2022 timeseries of SGL area on four glaciers) to the end of the document, making it appear like it was part of the supplemental material. Figure 6, 7, 8, and 9 are all meant to appear in the main manuscript, and I will ensure that this is more clear in the updated documents.**

All the best and good luck,

Anna