

Dear Dr. Wouters,

Thank you for your assistance during this process. We have made the requested revisions based on the comments from Reviewer 2. Please see the point-by-point below:

1. In the revision, the newly added paragraph on page 5, after "Although we have removed the trend to better illustrate seasonal dynamic dH for each glacier, we note that keeping the trend in the data...." lists the five glaciers and their corresponding Supplementary figure.

Note that the following text refers to Supp figure numbers that are the same as the glacier ID numbers, which do not appear to be correct in the revision (for example, Alanngsorliup Sermia is glacier ID 2, but is Figure S1, not Fig S2).

[Author Response:](#) We have made this change and thank the reviewer for catching this detail.

2. In the second-to-last new sentence on page 5, I would clarify with the addition of "in at least one season":
"What this does highlight, is that for all other glaciers, their seasonal dynamic thickness changes during at least one season are larger in magnitude than changes due to the 1- or 2-year trend and, thus, our classification is not sensitive to the removal of the trend."

[Author Response:](#) We have made this change.