

Thank you for reviewing our revised manuscript. We have made the following changes based on your suggestions:

I have only a few minor recommendations. I found at least one instance of tense-switching in the methods section. Take care when checking this section one last time.

We have re-read the methods and fixed cases of tense-switching.

I really like map figures 7-8. However, the captions for these figures should be slightly revised. For Figure 7, it should be stated whether negative values indicate retreat and positive indicate advance as traditionally interpreted. Also, I am not sure I follow what you mean with "The the average position is differenced from the previous decade."

The caption now reads:

Decadal retreat patterns for available TermPicks data using the Centerline method. For each panel, the entire decade of traces were averaged to produce an average position for that decade. The 1940/1950s are an average over both decades as there are fewer traces available in the 1950s. Then the average position for the decade is differenced from average position of the previous decade. The size correlates to magnitude of terminus change, while red (negative) indicates retreat and blue (positive) indicates advance.

For Figure 8, the caption should be reorganized to lead with the statement that those glaciers include terminus delineations for at least 3 months, which is the minimum required to resolve seasonality in terminus position and/or terminus characteristics. Also, it needs to be stated here or in the text if these maps show glaciers with at least one year of seasonally-resolved terminus delineations or some other threshold number of years.

The caption now reads:

Locations of glaciers that include terminus delineations for at least three unique months, which is the minimum number of traces required to resolve seasonality, for the entire TermPicks data set and a subset of authors. The size of the blue circle indicates how many years there are enough traces to resolve seasonality, ranging between a single year to up to 40 years.