

Interactive comment on “Driving Forces of Circum-Antarctic Glacier and Ice Shelf Front Retreat over the Last Two Decades” by Celia A. Baumhoer et al.

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We would like to thank Bradley Lipovsky for his helpful comments and insights.

In order to make our results more useful for modelers, we decided to additionally add calving rates in m/yr of major ice shelves and glaciers in a supplementary file.

We had a look on the biggest tabular calving events and compared the area loss to the calculated retreat. Indeed, especially for the large ice shelves like Larsen, Ross and Filchner the amount of tabular ice berg calving almost equals the calculated retreat. This finding is now mentioned in the manuscript.

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Discussion paper



Thank you very much for the recommended literature. The discussion of our manuscript was revised and gives now deeper insights into the relationship between retreat and calving physics as well as surface and basal melt.

Interactive comment on The Cryosphere Discuss., <https://doi.org/10.5194/tc-2020-224>, 2020.

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