

**Reviews, and response to reviews, of the essay on:
Mountain Glaciers & Ice Caps**

Reviewer #1

11. Glaciers & Ice Caps Outside Greenland		
Page No.	Line No.	Comment

General Comments: [The editors note that no general comments were provided. Nor did the reviewer provide any specific comments in the table.](#)

Reviewer #2

11. Glaciers & Ice Caps Outside Greenland		
Page No.	Line No.	Comment
64	2000	In the table please note that Marmaglaciaren, and Rabots Glaciar are both located in Sweden and not in Norway as the table indicate. The editors thank the reviewer for spotting the error. The table has been corrected so that the two glaciers are now in the correct country.
67	2045	Figure 39. Can this figure somehow be connected to the table with mass balance data as I am unsure if everyone knows exactly where those 16 glaciated regions of the Arctic is located and it would be good to see how the temperature development in a certain area affect the mass balance of the glaciers. Letters A, B, C, P have been added to the regions along the x-axis in this figure, and those letters have been added to the map (Fig. 36) and its caption. The editors consider this to be a satisfactory solution.

General comments: This is a well written and well-structured chapter. It gives a great overview of the state of glaciers from the different sectors of the Arctic. It is very unfortunate that there are no ongoing mass balance measurements in the Russian part of the Arctic, but of course there is nothing you can do about that. However, would it be possible to say something about the state of the Russian glaciers by referring to e.g. a paper by Stokes et al published this year? (Stokes, C.R., Shahgedanova, M., Evans, I.S., Popovnin, V.V, 2013. Accelerated loss of alpine glaciers in the Kodar Mountains, south-eastern Siberia. Global and Planetary Change 101: 82-96. DOI: 10.1016/j.gloplacha.2012.12.010)

[The editors asked the author, who replied "This paper reports glacier area changes over multiple years. It is hard to know how to make such papers fit in with the Report Card format which deals with single years. Furthermore, there are likely many such papers relating to different areas of the Arctic - so why focus on this one alone?" The editors agree, and the reference has not been added to the essay.](#)

For the mass balance records, again it is unfortunate that the 2011-12 data is not reported in WGMS. Sometimes there is a lack of time to report to databases, so it might be that the numbers exist. Maybe you can contact the data collector directly (as you have done for Canada)? In Sweden please contact the Director of the Tarfala Research Station (Ninis Rosqvist email: gunhild.rosqvist@natgeo.su.se) to access the data from the 5 glaciers in Sweden and for the glaciers on Svalbard and Norway I

would contact Jon-Ove Hagen (j.o.m.hagen@geo.uio.no) who at least know who to contact if he doesn't have the numbers himself.

The editors asked the author, who replied that he does contact the "data collectors", but with mixed success. It is the editors' opinion that no further action is necessary, other than to encourage the authors to continue to contact the "data collectors" for data for future essays.

Apart from these comments I have only minor comments (see above).

Reviewer #3

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Reviewer #4

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Reviewer #5

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Reviewer #6

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