

**Reviews, and response to reviews, of the essay on:
Greenland Ice Sheet**

Reviewer #1

12. Greenland Ice Sheet		
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

12. Greenland Ice Sheet		
Page No.	Line No.	Comment
69	2105	Please add “ranking” before 12 th just to make it clearer. This has been done.
69	2109	Would it be possible to replace the K-transect with “a transect (the K-transect)” as I feel that I am really lacking some important info when I don’t know what the K-transect is when reading the highlights. This has been done.
69	2122	Nghiem et al., 2013 is missing in the reference list. The full citation has been added to the reference list. Thank you for spotting the omission.
70	2140	In Figure 40b, please add days (to melt frequency) also for both figure b and c the legends are really small. Please can you make them bigger, at least the same size as the figure and with larger font size? Maybe the text could even be in white to make the contrast with the background larger. The legends have been improved by using white letters, and adding units (%) to each legend. The figure caption has also been rewritten to better explain the meaning of the percentage values illustrated in each figure. The editors note that the figures will be published online at a larger size, which will make the legends more legible.
70	2151	Please delete “a.s.l.” as you have already spelled it out. The editors cannot agree to this request. The abbreviation “a.s.l.” is included so that it can be used subsequently to avoid the need to spell out “above sea level” again.
71	2164	Maybe you can add after “seven sites” “(in Fig 41a)” because I assume it is the mean of these seven sites plotted there. This has been done. Note also that almost the entire figure caption has been rewritten and reorganized, as the original Fig. 41b is now 41a, and vice-versa.
73	2215	Tedesco et al., 2011 is not listed in the reference list. The full citation has been added to the reference list. Thank you for spotting the omission.
74	2250	In the table heading please add “anomaly °C” (std) or something similar. This is not necessary. All the information is in the table caption.
75	2279	I cannot find Fettweis et al., in the running text The reference to Fettweis et al. was deleted from the running text during

75	2279	I cannot find Fettweis et al., in the running text The reference to Fettweis et al. was deleted from the running text during editing prior to review, but not deleted from the reference list. The reference has now been deleted. Thanks for spotting the error.
75	2282	I cannot find Hanna et al. in the running text There was no reference to Hanna et al. in the running text of the original

General comments: This is a well-structured chapter that provides a great overview of what is ongoing with the Greenland Ice Sheet. Above are my few detailed comments.

Reviewer #3

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Reviewer #4

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Reviewer #5

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Reviewer #6

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