

***Interactive comment on “Brief communication:
Interest of a regional climate model against ERA5
to simulate the near-surface climate of the
Greenland ice sheet” by Alison Delhasse et al.***

Anonymous Referee #1

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A lot of competent work has been performed comparing the MAR regional climate model against the ERA-Interim and especially ERA5 global reanalyses in relation to surface meteorological observations from the margins of the Greenland ice sheet (ASR as well). My main concern is that the analysis is incomplete as it stands because the analysis does not represent the entire ice sheet (see Figure 1). Obvious surface data sets for an expanded evaluation are from GC-Net and Summit. And because SMB is the focus, snow accumulation and melt extent in relation to satellite passive microwave observations comparisons are needed. In summary, more than a Brief Communication is required.

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Other Points:

1. Title: "Interest of a" makes the title strange.
2. Page 4, line 5: "following"
3. Page 7, line 11: "an insignificant".
4. Page 10: Provide the title for the Cox et al. reference.
5. Page 12, line 18: "ATSR"?

Interactive comment on The Cryosphere Discuss., https://doi.org/10.5194/tc-2019-96, 2019.

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