

Dear Dr. MacGregor,

Thank you for your continued consideration of this manuscript. We have addressed these technical points in the new version.

- TC convention for the main text (not captions) is to generally abbreviate "Section" as "Sect." (not "Sec.") and "Figure" as "Fig.". See <https://www.the-cryosphere.net/submission.html>

Fixed. Equation references are corrected to match the style guide as well.

- 56: Please convert to decimal degrees, which are simpler and more modern.

Done.

- 69: 7-12 m/s seems remarkably fast for a ground-based survey of a small region. Could you double-check that these values are accurate?

Indeed, this was in km/h. Thank you for catching the error.

- Figure 1 caption: "BedMachine Antarctica v2" not "BedMachine v2".

Fixed

- In geology, the convention is to use "yr" as the abbreviation for year when referring a period of time and "a" as the abbreviation when referring to a past time. See

<https://www.geosociety.org/gsatoday/archive/22/2/article/i1052-5173-22-2-28.htm> for a discussion.

By that IMO sensible convention that I readily admit I have not always adhered to in the past myself, e.g., "41-kyr" cycles should be used rather than "41-ka", etc. Please review the MS with this in mind.

In my instances, I believe "kyr" should be used rather than "ka".

Thank you for the reference. Everything is updated to match this convention.

Sincerely,
David Lilien