

Dear Dr. Stroeven and anonymous reviewer,

Thank you for reading our manuscript again and for the helpful feedback. We agree that the revisions have substantially improved the manuscript. Below we respond to the corrections raised by Dr. Stroeven. The editor suggestions are in gray, and our responses are in black. Please note that all line numbers refer to the updated version of the manuscript.

I am happy to recommend publication pending technical corrections for your submission to The Cryosphere. You have responded in an excellent fashion to raised concerns, and I welcome this contribution. I have some editorial requests for change that you need to consider before submitting a final version for appreciation by the Editor-in-chief:

1. Figure 4: Five occurrences where Dell et al. (2024) should be rewritten as Dell et al. (2024a)

Fixed – thank you.

2. Figure 5: One occurrence where Dell et al. (2024) should be rewritten as Dell et al. (2024a)

Fixed – thank you.

3. Figure 6 (and elsewhere): please add a white box and TN (on the central figure) – mismatch between legend and text.

Added – thank you.

4. Figure 7: please add a white box and TN – mismatch between legend and text.

Added, and also changed one occurrence of Dell et al. (2024) to Dell et al. (2024a).

5. Figure A2: One occurrence where Dell et al. (2024) should be rewritten as Dell et al. (2024a), please increase the font sizes of Recall and Precision labels

Fixed and adjusted font size.

6. Figure A3: One occurrence where Dell et al. (2024) should be rewritten as Dell et al. (2024a), please add a white box and TN – mismatch between legend and text

Fixed and added.

7. Figure A4: There is a structural mistakes between the labelling of i-iii and a-c. Please copy the caption structure of Figure A3 and adjust the labelling on the Figure (with I being the top row, ii middle, and iii being the bottom row)

Fixed the sublabels and adjusted caption on (lines 549-553) as suggested.

8. Line 657-658: delete underscore.

Fixed – thank you.

9. Please consult your references once more before final submission. I noticed a number of mistakes, but there may be many more

I did another thorough read through the references and confirmed that everything is properly formatted and in the right place. Thank you for your attention to detail here. I re-shelved de Roda Husman under “d”.

10. Line 742: van den Broeke should be shelved at “v”, please move van de and van for Berg and Wessem, respectively

Moved van den Broeke and van Wessem references to the appropriate locations (now lines XX-XX). We have no references with van de Berg as first author.

11. Lines 751-754: van Dalum should be shelved at “v”

Moved van Dalum references.

12. Lines 825-826: please move van den for Broeke, please decapitalize Van De and van for Berg and Meijgaard, respectively.

Fixed, thank you.

13. Line 920: please move van and van den for Wessem and Broeke, respectively

Fixed, thank you.

14. Lines 926-934: van Wessum should be shelved at “v”.

Fixed, thank you.

15. Line 931: please move van den for Broeke

Fixed, thank you.

Thank you very much for submitting your work to The Cryosphere.

Thank you again for your comments. Please don't hesitate to reach out with additional questions or concerns.

Best,
Emily Glazer and Kirsty Tinto