Response to Editor

Comparing high spatial and temporal resolution snow depth measurements and modelling results in an avalanche release area

Pia Ruttner, Nora Helbig, Annelies Voordendag, Andreas Wieser, and Yves Bühler

June 30, 2026

Dear Heather Reese,
Thank you for your review of the manuscript and for your constructive comments, which have helped us to further improve the paper. We have reproduced your comments in the blue boxes below and respond to each point separately.
Yours sincerely,
Pia Ruttner & co-authors

Response to Heather Reese

> Lines 69, 78, 528 run off the page in my version.

This was an issue coming from the generation of the tracked-changes file. This has been resolved in the revised version of the manuscript.

> Also, I don't see much of a description of the area of study. Since you used a photogrammetrically derived DSM to represent the snow-off terrain, it is relevant to give a short description of whether there was or was not vegetation at the site (for those of us who don't know the site), and to give a very brief description of the topography of the study area (approximate slope range, for example).

We added a short description of the study site in the terrestrial laser scanning section (Sec. 2.1), including terrain characteristics, vegetation, and slope range.

> Double check the numbering of sections, as I see 3.1 and 3.0.1 in my version, but this may change when a final version is created.

The section numbering has been checked and corrected in the revised manuscript.

> Line 218 – what is meant by "pad the borders"? Do you mean you are putting a buffer around the borders? If so, I believe "buffering" is a better geospatial term than "padding".

We agree that the term "padding" is misleading in this context. We instead refer to an exclusion of a margin near the borders and have revised the corresponding line (Line 198) accordingly.

> Line 539 has been edited so that it doesn't make sense.

We revised the wording of this sentence to its original formulation from the preprint version.