

Dear editor,

We thank you for the latest technical corrections which improved our manuscript. In the following, we provide point-by-point replies to all issues raised. The technical comments appear in black/italics, and our answers are in blue/normal font.

*Technical corrections:*

*L13: in steep rock slopes > into steep rock slopes. Corrected*

*L16: fluxes in > fluxes on/at. Corrected*

*L19: statement on inverse correlation. Consider revising for consistency with your response to reviewers' comment on L472. Changed to: "The snowpack thickness was found to decrease with surface slopes between 40° to 70°"*

*L37: reduced > reduce. Corrected*

*L45: is aimed > aims to. Corrected*

*L62: in an alpine > on an alpine. Corrected*

*L98: man-made influence > influence of human activity. Corrected*

*L116: 'supp. Fig S%' fix figure reference. Corrected*

*L179: add citation to CryoGrid model at end of first sentence. Corrected*

*Figure 3: Please enlarge this figure such that labels, axes, legends etc are clearly legible without zooming. Corrected*

*L290: Average amount > The average amount. Corrected*

*Figure 7: Degree symbols look like superscript zeros? Please check. . Corrected*

*L227: infiltration in > infiltration at. Corrected*

*L228: input > inputs. Corrected*

*Fig 9: Caption reference to 'north (left) and south (right)' is the wrong way round. Corrected*

*L354: '45-75 degrees' - previous sections refer to the 40-70 degree range - make consistent? Corrected*

*Fig S7: Typo in sublimation in legend. Corrected*

*L480: 'is becoming' implies you have demonstrated that rainfall is becoming more dominant over time. Do you simply mean 'becomes' more dominant with elevation'? Corrected*