

***Interactive comment on “Effects of surface roughness and light-absorbing impurities on glacier surface albedo, August-one ice cap, Qilian Mountains, China” by Junfeng Liu et al.***

**Junfeng Liu et al.**

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Dear Editor and referee I would like to thanks editor and referees great and detailed comments. These comments are greatly help me to improve the manuscript. We have given some careful explanations in our reply. Please see the detailed point-by-point responses below. The corresponding changes have been made in the revised paper, track changes was used in order to be easily identified. Marked-up manuscript was given at the end of the replies. We hope the revised manuscript is suitable for the journal.

C1

Please also note the supplement to this comment:

<https://tc.copernicus.org/preprints/tc-2020-67/tc-2020-67-AC3-supplement.pdf>

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Interactive comment on The Cryosphere Discuss., <https://doi.org/10.5194/tc-2020-67>, 2020.

C2

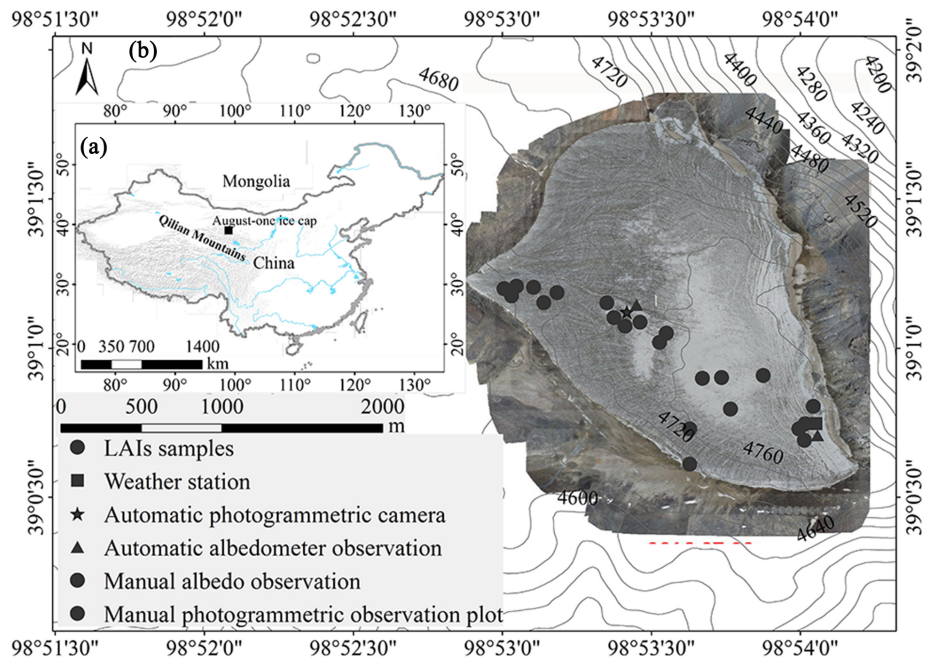


Fig. 1.

C3

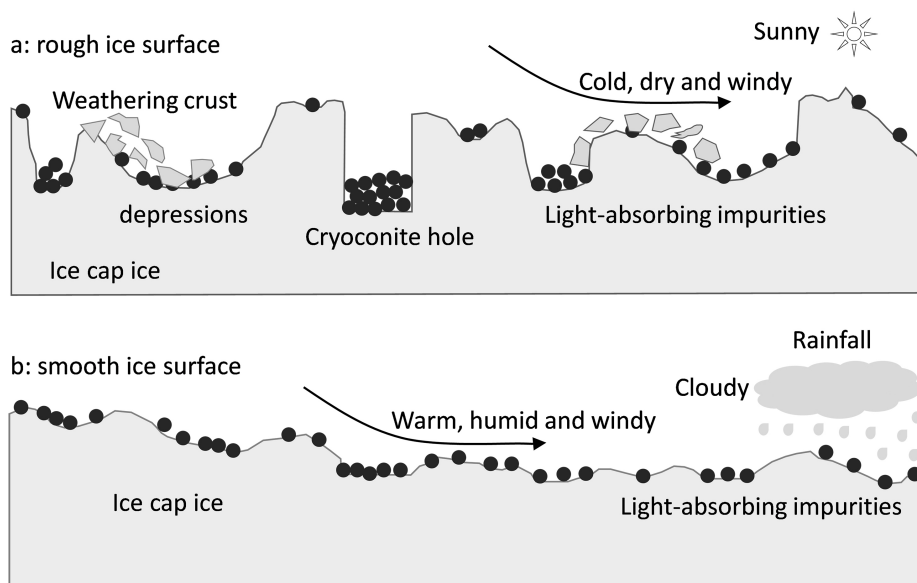


Fig. 2.

C4

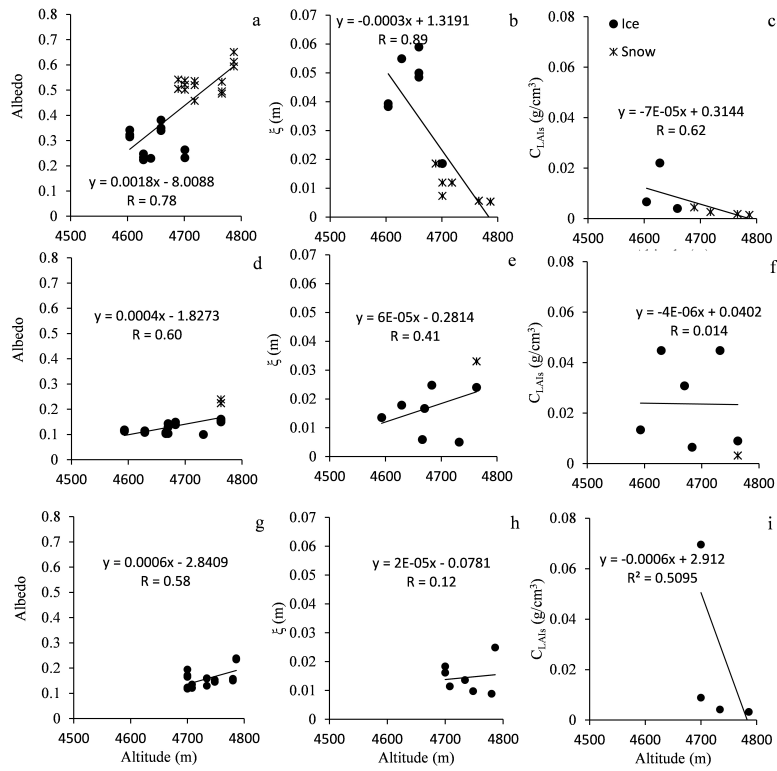


Fig. 3.

C5

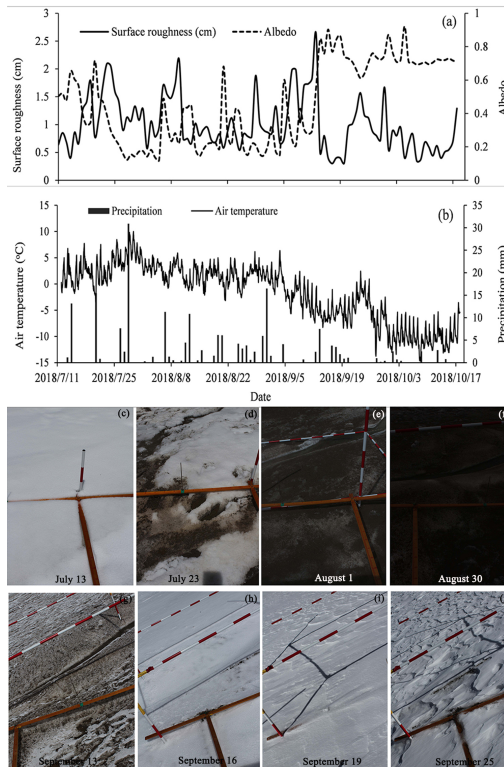


Fig. 4.

C6

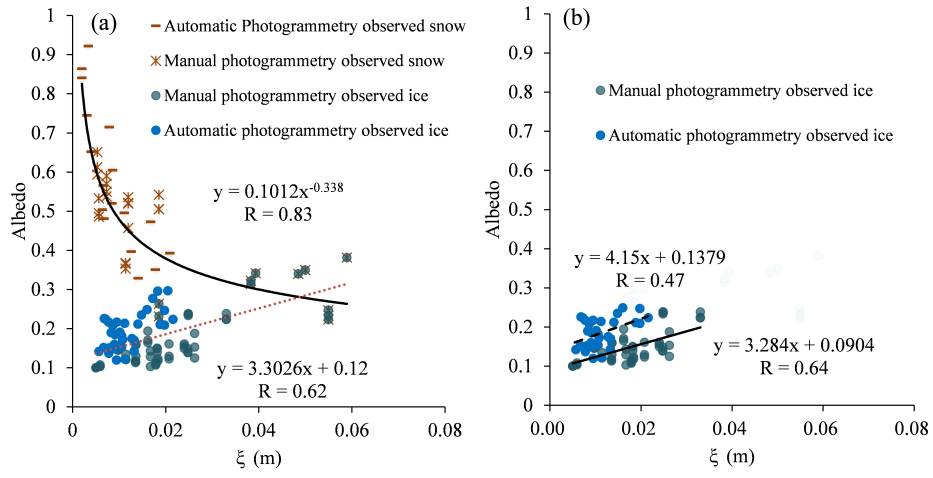


Fig. 5.

C7

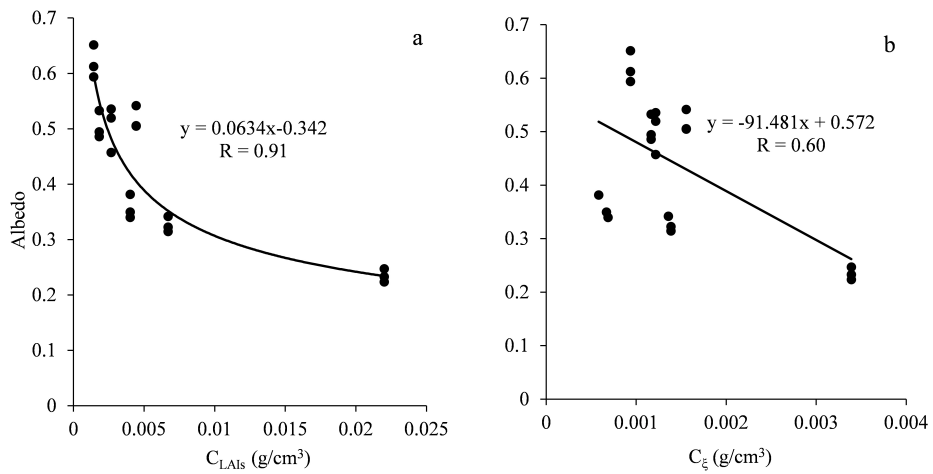


Fig. 6.

C8

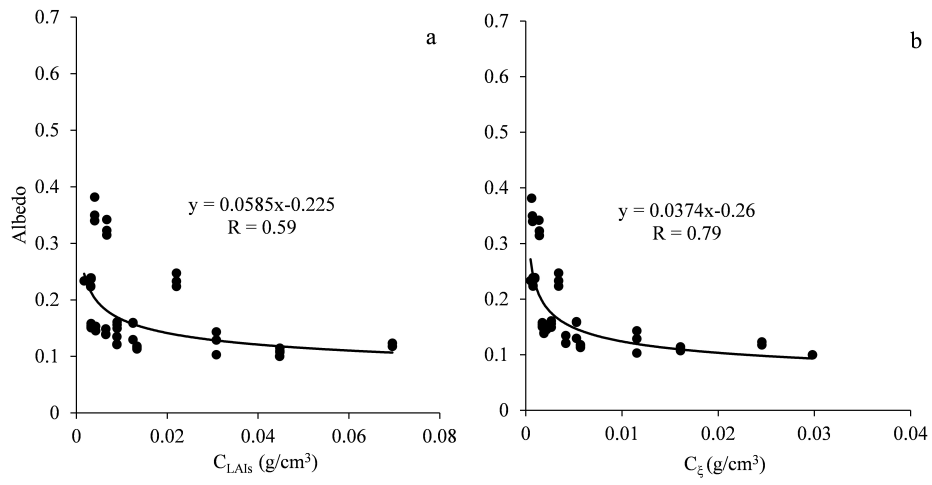


Fig. 7.

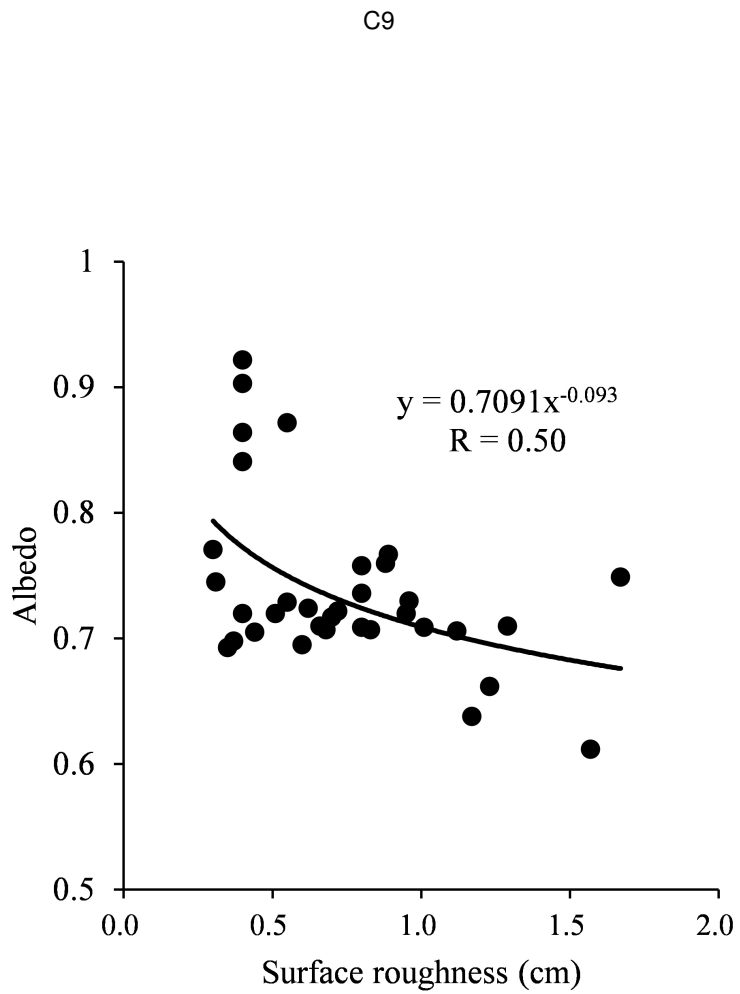


Fig. 8.

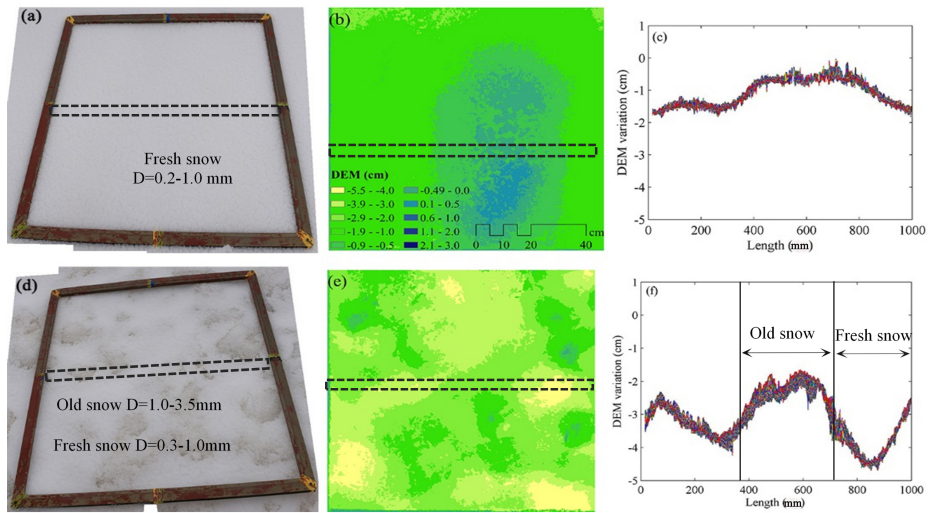


Fig. 9.

C11

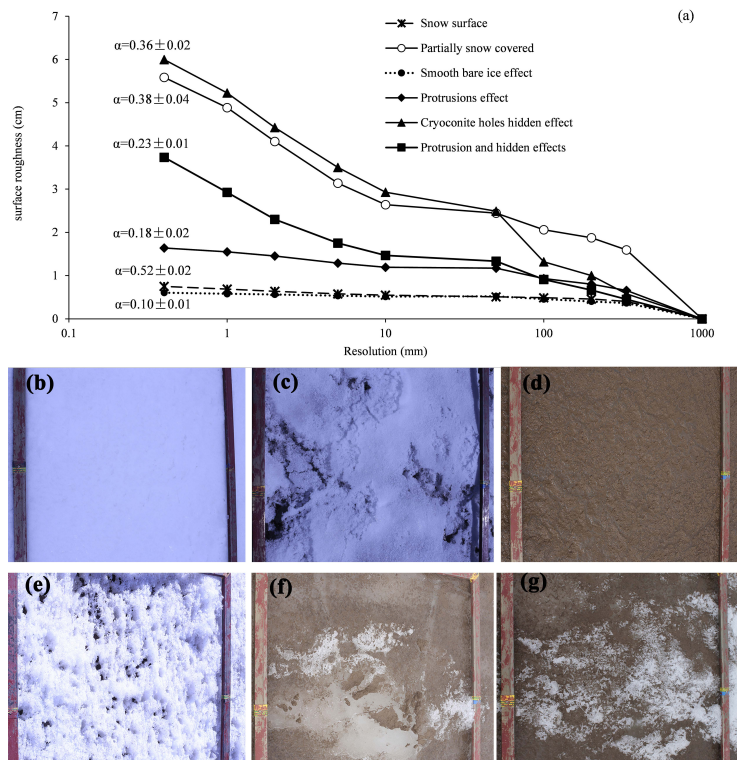


Fig. 10.

C12

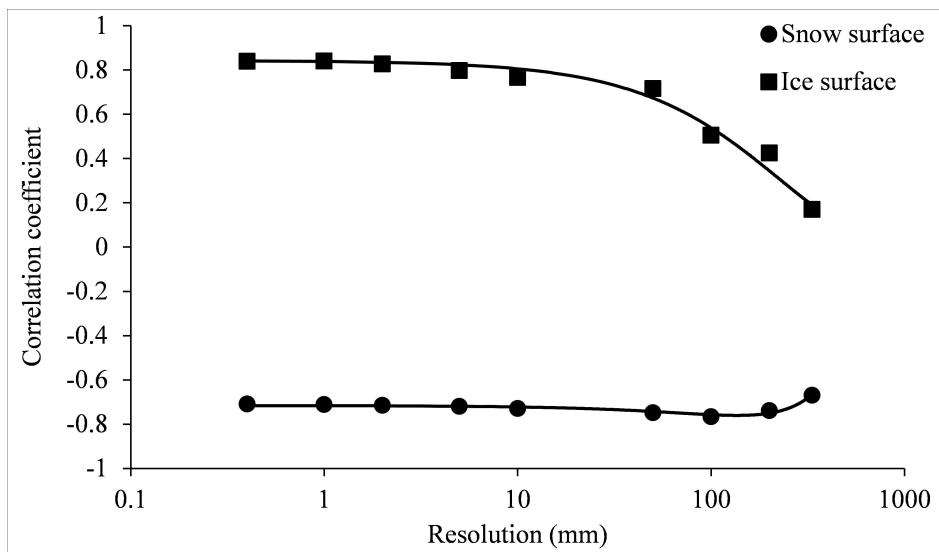


Fig. 11.