

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.

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We'd like to thank the referee of Alvaro Ayala for the valuable, constructive and detailed comments which greatly helped to improve the manuscript. The corresponding changes and refinements will be made in the revised paper with track changes. We intend to add some new observations in the melting season in 2020. New observation data includes surface roughness and snow grain size. This could give some robust evidence of the snow metamorphism process connecting with snow surface roughness change. So the revised paper might take another 1-2 months to add our new data and results. Reviewer comments in normal font, our reply to each comment is provided after

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the comment and given in bold font.

Please also note the supplement to this comment:

<https://tc.copernicus.org/preprints/tc-2020-67/tc-2020-67-AC2-supplement.pdf>

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

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