

Interactive comment on “Characterising the behaviour of surge and non-surge type glaciers in the Kingata Mountains, Eastern Pamir, from 1999 to 2016” by Mingyang Lv et al.

Anonymous Referee #1

Received and published: 21 September 2018

This paper provides a good overview of recent changes in the area and velocity of glaciers in the eastern Pamir, in a region which has been poorly described before. It is generally well written and well explained, but I found that the quality of the satellite images in some of the figures was too poor to support the arguments being made. As described in my detailed comments (attached), fortunately Google Earth has much better imagery than has been used in the paper, which provides stronger support for several interpretations being made, while other interpretations might need to be corrected.

I therefore believe that the analysis and interpretation of all glacier changes and

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occurrence of surge vs. non-surge glaciers needs to be repeated with the inclusion of Google Earth imagery to supplement the Landsat and ASTER imagery. Doing this would help to make the paper findings much more convincing.

Please also note the supplement to this comment:

<https://www.the-cryosphere-discuss.net/tc-2018-131/tc-2018-131-RC1-supplement.pdf>

Interactive comment on The Cryosphere Discuss., <https://doi.org/10.5194/tc-2018-131>, 2018.

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