

Interactive comment on “Structure and evolution of the drainage system of a Himalayan debris-covered glacier, and its relationship with patterns of mass loss” by Douglas I. Benn et al.

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In this paper, authors have developed a comprehensive view on the drainage system of debris-covered glaciers in the Himalayas. Since almost part of drainage system are invisible by satellite images, they have linked various phenomena using geomorphic evidence (Google Earth, satellite images), and seasonal changes of surface velocity and speleological exploration. Although some parts of those links includes speculations, they attained a reasoned interpretation of view on the drainage system of debris-covered glaciers. I have never been to the Ngozumpa Glacier, but, the image was very understandable for me without difficulty. Therefore, I think the images of drainage system of debris-covered glaciers can be applied to other glaciers (as

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authors wrote). I believe this paper will have great contribution to understand the drainage system of the debris-covered glacier (not only present but also transition process).

Please also note the supplement to this comment:

<http://www.the-cryosphere-discuss.net/tc-2017-29/tc-2017-29-RC1-supplement.pdf>

Interactive comment on The Cryosphere Discuss., doi:10.5194/tc-2017-29, 2017.

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