

Interactive comment on “Subglacial drainage characterization from eight years of continuous borehole data on a small glacier in the Yukon Territory, Canada” by Camilo Rada and Christian Schoof

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The authors present a new subglacial hydrological dataset. The volume of data is notable. The authors do a solid job of curating complexities of their observations for the reader (Section 2, 3, and 4). Among a wealth of other observations, the authors show that out of the 311 boreholes drilled, 71% showed slow-flow behavior, 3% showed fast flow behavior, and 26% appeared to be hydraulically disconnected. This observation motivates the authors to modify the previously published model by Schoof (2010) in order to account for hydraulically isolated parts of the bed. The modified model intro-

C1

duces a percolation description whereby cavities form a connected system if and only if they exceed a critical dimension. I've have listed my questions and comments in the attached document.

Brad Lipovsky

Please also note the supplement to this comment:
<https://www.the-cryosphere-discuss.net/tc-2017-270/tc-2017-270-RC2-supplement.pdf>

Interactive comment on The Cryosphere Discuss., <https://doi.org/10.5194/tc-2017-270>, 2018.

C2