

***Interactive comment on* “Brief communication: Rapid machine learning-based extraction and measurement of ice wedge polygons in airborne lidar data” by Charles J. Abolt et al.**

W. Zhang (Referee)

weixing.zhang@uconn.edu

Received and published: 15 November 2018

Summary: This paper entitled “Brief communication: Rapid machine learning-based extraction and measurement of ice wedge polygons in airborne lidar data” presents a workflow for rapid delineation and microtopographic characterization of ice wedge polygons within high-resolution digital elevation models. The authors have been addressed all my concerns in their revised version. The paper is well conducted and presented. In summary, I think this paper is publishable in The Cryosphere. Please consider improving two places before final publishing.

Minor comments: 1. Title: Is it necessary to include “brief communication” in the title?

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The authors creatively proposed a new way to rapidly delineate and microtopographic characterize ice wedge polygons rather than summarizing previous work. Please remove “brief communication” if possible. 2. Abstract: Please consider including some validation result with numbers in the abstract.

Interactive comment on The Cryosphere Discuss., <https://doi.org/10.5194/tc-2018-167>, 2018.

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