

Interactive comment on “Remote sensing of lake water volumes on the Arctic Coastal Plain of Northern Alaska” by Claire E. Simpson et al.

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Several steps of the depth data processing and Landsat image selection, processing, and analysis sections, e.g. eliminating lakes with insufficient measurements, removing anomalous values, and visually inspecting lakes suggests several caveats for how depth point data was selected for analysis. Some additional explanation for the impact data would have had on the model had it not been left out could be beneficial. While acknowledging the constraints of using the Landsat-8 spatial resolution in conjunction with the sonar depth points means the depth point data must be degraded, further explanation of the methodology for processing and analyzing the depth point data could be helpful to bolster the methods section.

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Interactive comment on Earth Syst. Sci. Data Discuss., <https://doi.org/10.5194/essd-2019-226>, 2020.

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