

Dear Dr. Sørensen,

Thank you for your reply. We've attached the corrected manuscript with the requested corrections (as below), but regarding L. 240, the correction to the reference to the footprint size required a new reference. Since the original manuscript was written, there has been a new publication regarding footprint size of ICESat-2 and we have accordingly switched out the original reference to Magruder et al., 2020 with Magruder et al., 2021.

L. 34: do you mean 1970s/1980s ?

L. 66: lake- bottom. -> lake-bottom ?

L. 82: The ICESat-2 laser altimeter -> The ICESat-2 laser altimeter data

L. 134: \3" -> "3"

L. 251: return -> returns

L. 240: I believe that the referee pointed out that maybe it is more relevant to state here what the footprint size is, than what the geolocation accuracy is. It doesn't affect your choice of radius, though.

Thank you again for your attention.

Sincerely,

R. Tri Datta
Bert Wouters