

Interactive comment on “Uncertainty budget in snow thickness and snow water equivalent estimation using GPR and TDR techniques” by Federico Di Paolo et al.

O Eisen (Editor)

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Dear Federico Di Paolo and co-authors,

we now received two reviews for your manuscript. Both reviewers argue along the same line: your results are in general interesting but the present state of the submitted manuscript falls short of providing a sufficiently accurate description of all aspects of the measurements. These concern the measurements themselves, partly your approach, in particular the vertical resolution of snow probing, but also the interpretation and discussion in the context. Both reviewers point out significant deficiencies in the planning of the measurements and in data interpretation. Assuming in the most favorable case that you could write a thoroughly improved version, modifications would

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be so extensive that they would require re-review and it would be preferable for you to present that as a new submission. However, your measurements cannot be improved, and these are also criticized so that I in fact seriously doubt that your data and their interpretation can be brought to an adequate level of rigor. For these reasons, I am sorry that I cannot encourage you to submit a revised version or resubmit your manuscript. My opinion is that additional careful and detailed measurements are required before your interesting ideas can be considered for publication in "The Cryosphere" again.

Regards, Olaf Eisen

Interactive comment on The Cryosphere Discuss., doi:10.5194/tc-2016-267, 2016.