The Cryosphere

Discussions

Open Access

TCD

Interactive
comment

Interactive comment on "Measuring the snowpack depth with Unmanned Aerial System photogrammetry: comparison with manual probing and a 3D laser scanning over a sample plot" *by* Francesco Avanzi et al.

Anonymous Referee #3

Received and published: 21 August 2017

General comments

I'm building my evaluation on the current form of the manuscript, but also accounting for the comments/replies raised during the discussion. In my opinion the manuscript is clearly written, has a good structure and presents a compact study. I fully support the decision of authors to include results from an additional campaign in the revised version of the manuscript. This will for sure add and increase the scientific contribution of the work. Additionally to the comments already raised in previous reviews, I have only one additional suggestion to be considered in the revision. In my opinion, the

Printer-friendly version

Discussion paper

discussion can include a separate part related to the lessons learned. This part might include not only discussion of some technical points, like challenges/advices related to the selection of study area, date of observations, meteorological conditions, but also some advices on how to organise such measurements and validations in larger areas. I would like also to see some more comments on the range of the overlaps needed and the sensitivity of the final accuracy in relation to the overlaps. This might be crucial for considering such techniques for snow monitoring in larger areas.

Summing up, this is an interesting study, which I will support to be published after a revision.

Interactive comment on The Cryosphere Discuss., https://doi.org/10.5194/tc-2017-57, 2017.