

Interactive comment on “Spatially continuous mapping of snow depth in high alpine catchments using digital photogrammetry” by Y. Bühler et al.

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Received and published: 26 August 2014

Dear Mr Johannesson

Thank you for your review and your valuable comments!

We will back up our statement about the economic advantages of photogrammetry with quotations from three independent data providers offering both, LiDAR and photogrammetric models (first results are already published in our answer to referee 1). We will list data acquisition costs (that’s where a big part of the cost savings are coming from) and data processing cost (there the costs for LiDAR and photogrammetry are comparable) separately. However we will, as suggested, reconsider the statements on the economic advantage of photogrammetry compared to ALS.

Your comments about fieldwork are important. We will discuss this topic in more detail in the revised version of the paper. Your comments on the drawbacks of UAV's are important to mention. We will do so in the revised manuscript. We will also report the biases and give possible explanations such as summer vegetation.

Thank you for your careful reading of the paper and all the suggestions for rewording, we will include them in the revised manuscript.

Interactive comment on The Cryosphere Discuss., 8, 3297, 2014.

TCD

8, C1677–C1678, 2014

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Comment

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