

Interactive comment on “Applying a time-lapse camera network to observe snow processes in mountainous catchments” by J. Garvelmann et al.

B. Schaefli (Editor)

bettina.schaefli@epfl.ch

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The three reviewers agree that this paper presents an interesting experimental set-up for snow monitoring but that the paper is not yet ready for publication in HESS. I would like to thank all reviewers for their detailed comments on this paper and I encourage the authors to submit a new version, revised along the lines of their responses.

The revised version should namely address all the clarifications asked by the reviewers and improve the quality of the data analysis. Particular attention should be paid to improve the description of technical details and the corresponding traceability of results and to avoid statements that are not supported by presented results.

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As it is clear from the public discussion, there was a certain mismatch between the expectations of the reviewers (detailed analysis of snow characteristics in the case study catchments) and the intention of the authors (presenting illustrations of potential applications of the camera set-up). In particular, reviewer 3 would have preferred a detailed analysis of a given characteristic (snow depth), mentioning the others (snow canopy intersection, precipitation phase, snow albedo) perhaps just as an outlook. Since the two other reviewers did not question this choice (presenting several applications instead of a single in-depth analysis), I respect the authors choice and suggest to carefully revise the abstract, introduction and conclusion of the paper to avoid any potential confusion for HESS readers.

I look forward to receiving the revised version.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 9, 10687, 2012.

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