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Interactive comment on “Recent accumulation rates of an alpine glacier derived from firn cores and repeated helicopter-borne GPR” by L. Sold et al.

R.G. Bingham (Editor)

r.bingham@ed.ac.uk

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Dear Dr. Sold and co-authors,

Thank you for submitting your paper to TC. I have now received two referee comments and one short comment on your paper, and I thank all concerned for their detailed reviews and helpful comments.

Both reviewers have provided favourable feedback but at the same time have expressed several concerns which I believe can be addressed with some major revisions to the presentation.

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Both reviewers have pointed out that the paper would be improved by restructuring and streamlining, so that the paper focuses more on the issue of analysing the layer information rather than spatial variability. Both reviewers also suggest the current title is misleading, and Reviewer 1 is concerned you oversell your method given the apparent dependence on firn cores for validation wherever it is deployed. I particularly recommend your attention to these points.

Each reviewer also raises a number of queries about the assumptions you use in your modelling, and they each provide detailed comments that I hope can help you improve your presentation in a revised manuscript. Both reviewers also provide a series of minor comments to address and I also commend to your attention the various points raised in the short comment posted on TCD.

In summary, I look forward to reading your responses to the comments being posted on TCD and to receiving a revised manuscript at your earliest convenience.

Best wishes,

Robert Bingham

Interactive comment on The Cryosphere Discuss., 8, 4431, 2014.

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