

Interactive
Comment

Interactive comment on “Reply to the comment of Leclercq et al. on “100-year mass changes in the Swiss Alps linked to the Atlantic Multidecadal Oscillation”” by M. Huss et al.

Anonymous Referee #2

Received and published: 22 February 2011

This Reply is thorough and well-articulated. Huss et al. give the best sort of response to LeClercq et al. Rather than an a subjective, argumentative rebuttal, they take the time to calculate the reference surface mass balance for their set of 30 Swiss glaciers and provide a direct comparison between conventional and reference surface mass balance over the last 80 years. This directly addresses the concerns expressed in the Comment, and goes a step further by including elevation feedbacks in the calculation of reference surface mass balance. This proves to be significant. I have no qualms with the Reply, and recommend that it remain on TCD as is.

If the Comment and Reply proceed further to a manuscript in The Cryosphere, there

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are a few minor details that are confusing (e.g. Figure S3 is probably unnecessary, and the 'last DEM' surface in Figures S2 and S4 is a bit confusing, adding perhaps more information than necessary). As it stands though, the authors have put in considerable effort here and this Comment and Reply make for a useful discussion, good use of TCD space. This 'iterative improvement' to the original GRL paper has been productive.

Interactive comment on The Cryosphere Discuss., 4, 2587, 2010.

TCD

4, C1649–C1650, 2011

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