

Interactive comment on “Response of the ice cap Hardangerjøkulen in southern Norway to the 20th and 21st century climates” by R. H. Giesen and J. Oerlemans

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In our reply to the comments by Mauri Pelto, we compare modelled ELAs with measured values. Unfortunately, we afterwards discovered a small error in the values we reported. Instead of comparing the measured mass balance profiles on Rembesdalsškåka with modelled profiles for the same drainage basin, by mistake we used profiles computed for the entire ice cap area. For this reason, the numbers in the revised manuscript slightly deviate from the values reported in the response. The difference between the mean ELA from model and measurements changes from +32 to +19 m. Looking only at years with both modelled and observed ELAs below the ice

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cap summit, the modelled ELA is on average 23 m higher (instead of 26 m).

Interactive comment on The Cryosphere Discuss., 3, 947, 2009.

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3, C631–C632, 2010

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