

Interactive comment on “Modeling surface response of the Greenland Ice Sheet to interglacial climate” by D. Rau and I. Rogozhina

D. Rau and I. Rogozhina

valmont@gfz-potsdam.de

Received and published: 21 October 2013

We would like to thank the anonymous reviewer 3 and acknowledge that his comments helped us to improve the manuscript considerably, especially by showing that the use of realistic SD distribution leads to reduced uncertainties in modeled surface mass balance associated with the choice of degree day factors. This enabled the conclusion that the realistic SD distribution is key to modeling surface responses of continental-scale ice sheets using PDD models.

Please also note the supplement to this comment:

<http://www.the-cryosphere-discuss.net/7/C2114/2013/tcd-7-C2114-2013-supplement.pdf>

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