

Interactive comment on “Seasonal evolution of snow permeability under equi-temperature and temperature-gradient conditions” by F. Domine et al.

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We thank the three reviewers for useful comments which we hope lead to improve the manuscript. Detailed replies to the specific comments are found in response to the respective reviews.

Note that all model simulations were performed once again for the preparation of the revised manuscript with the latest version of the model, which explains slight differences between the results of the Discussion paper and the revised manuscript. In addition, the revised manuscript benefits from additional simulations carried out using the newly developed prognostic scheme for SSA evolution in Crocus (Carmagnola et al., The

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Interactive Discussion

Discussion Paper



Cryosphere Discussions 2013), allowing to test the impact of various formulations for SSA evolution on the results in terms of density, SSA and permeability.

Interactive comment on The Cryosphere Discuss., 7, 2725, 2013.

TCD

7, C2209–C2210, 2013

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