

The Cryosphere Discuss., author comment AC1  
<https://doi.org/10.5194/tc-2021-75-AC1>, 2021  
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## **Reply on RC1**

Timm Schultz et al.

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Author comment on "On the contribution of grain boundary sliding type creep to firn densification – an assessment using an optimization approach" by Timm Schultz et al., The Cryosphere Discuss., <https://doi.org/10.5194/tc-2021-75-AC1>, 2021

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The authors would like to thank the reviewer for the careful reading of the manuscript and the constructive remarks. We have discussed all points raised by the reviewer and accordingly changed the manuscript. Please find attached our detailed point-by-point response and discussion of the issues addressed in the review.

Please also note the supplement to this comment:

<https://tc.copernicus.org/preprints/tc-2021-75/tc-2021-75-AC1-supplement.pdf>