

The Cryosphere Discuss., author comment AC1
<https://doi.org/10.5194/tc-2021-230-AC1>, 2021
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Reply on RC1

Ole Zeising et al.

Author comment on "Basal melt of the southern Filchner Ice Shelf, Antarctica" by Ole Zeising et al., The Cryosphere Discuss., <https://doi.org/10.5194/tc-2021-230-AC1>, 2021

Dear Reviewer,

Thank you for your very helpful contribution in improving this manuscript! We have answered all general comments in detail, in particular to the measurement error.

In the revised version, we will add a discussion on the different mechanisms influencing the basal melt rate. We also picked up the suggestion to add the ice draft to Fig. 3 and displacements of the internal layers and of the basal return in figure B1. In the attached file, we respond to the general comments and give point-to-point answers to the specific comments.

Again many thanks for your efforts to improve our manuscript!

Best regards,
Ole

Please also note the supplement to this comment:

<https://tc.copernicus.org/preprints/tc-2021-230/tc-2021-230-AC1-supplement.pdf>