

The Cryosphere Discuss., referee comment RC1  
<https://doi.org/10.5194/tc-2021-79-RC1>, 2021  
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## Comment on tc-2021-79

Anonymous Referee #1

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Referee comment on "Advances in altimetric snow depth estimates using bi-frequency SARAL/CryoSat-2 Ka/Ku measurements" by Florent Garnier et al., The Cryosphere Discuss., <https://doi.org/10.5194/tc-2021-79-RC1>, 2021

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Dear F. Garnier,

Thank you for submitting the manuscript tc-2021-79 with the title: "Advances in altimetric snow depth estimates using bi-frequency SARAL/CryoSat-2 Ka/Ku measurements." I find the paper very interesting, and with a lot of information – a very comprehensive piece of work. I in particular find it nice to see some results for the Antarctica. In general, I find the paper well organized and the figures and tables are clear. The methods and results are also well described. I do find the discussions part a bit short, please, see further questions raised in the general comments. I do find lots of technical issues, which has been raised together with the general comments in the supplemented pdf-file.

Best Regards,

Your Referee

Please also note the supplement to this comment:

<https://tc.copernicus.org/preprints/tc-2021-79/tc-2021-79-RC1-supplement.pdf>