

Geosci. Model Dev. Discuss., author comment AC2  
<https://doi.org/10.5194/gmd-2021-92-AC2>, 2021  
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## Reply on RC2

Francesco Avanzi et al.

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Author comment on "Snow Multidata Mapping and Modeling (S3M) 5.1: a distributed cryospheric model with dry and wet snow, data assimilation, glacier mass balance, and debris-driven melt" by Francesco Avanzi et al., Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2021-92-AC2>, 2021

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We thank Reviewer #2 for their constructive comments on our draft. All comments are feasible and will be integrated in the revised manuscript, which is now at work. In doing so, we will pay particular attention in better framing model's process representations and novelty in view of the existing literature. We will also revise notation as well as figures as kindly requested. Please find a point by point reply attached.

Please also note the supplement to this comment:  
<https://gmd.copernicus.org/preprints/gmd-2021-92/gmd-2021-92-AC2-supplement.pdf>