

The authors Gadde and van de Berg improved their manuscript entitled “Contribution of blowing snow sublimation to the surface mass balance of Antarctica” after implementing the comments from both reviewers. The authors shortened many parts in the manuscript which makes the text more precise and easier to read and follow. Overall, I would like to see a short discussion and the author’s thoughts on future model developments and how to further improve the representation of blowing snow sublimation and surface sublimation in future model versions.

After considering the minor comments below, I am suggesting this manuscript for publication in *The Cryosphere*.

- The abstract is quite detailed and long which is fine if all information is relevant. I am wondering, however, if this part could be shortened and more precise on the main findings of the paper. In line 3, you write “among other things”. What do you mean by that?
- L. 62: speed winds --> wind speeds
- L. 253: Please guide the reader and describe the mismatch between blowing snow from Rp3 compared to the observations. It might be obvious for you, but I would prefer to read more description than “It is evident from the figure...”.
- L. 263: Are you going to analyse the seasonal difference with the CALIPSO data later in the manuscript? Then please refer to the respective part of the manuscript.
- Table 1: From the caption, it is not clear to me what the two numbers in each cell mean. Please provide a precise table caption.
- L. 352 and Figure 6: Please indicate what data you are showing here (RpNew or Rp3).
- L. 362f.: Please be more specific when saying ‘qualitatively similar’. Can you provide any numbers or figures for that? Currently, the reader has to entirely trust you that there is a similarity between your model runs and the CRYOWRF simulations.
- L. 412: can you quantify the contribution of blowing snow sublimation to the total sublimation in winter?
- L. 427: What could be a reason why CRYOWRF does not show a negative surface sublimation? Can you elaborate on this?
- Table 2b: how do you compare RpNew values from 2000-2012 with CRYOWRF from 2010-2020? How representative is this comparison? You mention in l. 449 and 450 that RACMO does not vary much in the decades between 2000 and 2020. I am wondering what is then driving the inter-annual variability in the model if there is no difference between the decade from 2000 to 2010 and the decade from 2010 to 2020.
- L. 460: are you sure that sublimation is the largest ablation term compared to runoff and ice melt considering the entire Antarctic ice sheet?