

Dear Dr. Niwano,

We would like to thank you for carefully reading the revised version of our manuscript. Below, we provide detailed point-by-point responses to each of your comments. Your remarks are shown in italics, and our responses are provided in plain blue font.

*- Figure 2: It seems to me that station numbers in the figure do not indicate the correct places of the stations listed in the right half of the figure. Please check.*

We would like to thank you for identifying this issue. We are sorry for this mistake, which happened when re-naming the Faraday station to Vernardsky. It has now been corrected in the revised version of the manuscript.

*- The reference for the paper by van Dalum et al. (2025) should be updated to the following: van Dalum, C. T., van de Berg, W. J., van den Broeke, M. R., and van Tiggelen, M.: The surface mass balance and near-surface climate of the Antarctic ice sheet in RACMO2.4p1, *The Cryosphere*, 19, 4061–4090, <https://doi.org/10.5194/tc-19-4061-2025>, 2025.*

The reference has been updated accordingly.