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Comment on tc-2021-91

Maria Zeitz et al.

Author comment on "Impact of the melt-albedo feedback on the future evolution of the Greenland Ice Sheet with PISM-dEBM-simple" by Maria Zeitz et al., The Cryosphere Discuss., <https://doi.org/10.5194/tc-2021-91-AC1>, 2021

In this version, we didn't use the most appropriate reference for the regional climate model MARv3.11. On page 7, line 6 we wrongfully cited Amory et al. (2020), which describes a module not used in the version that produced the outputs on which we based our analysis. Instead it should have been Kittel et al. (2021) and Fettweis et al. (2020).

Kittel, C., Amory, C., Agosta, C., Jourdain, N. C., Hofer, S., Delhasse, A., Doutreloup, S., Huot, P.-V., Lang, C., Fichefet, T., and Fettweis, X.: Diverging future surface mass balance between the Antarctic ice shelves and grounded ice sheet, *The Cryosphere*, 15, 1215–1236, <https://doi.org/10.5194/tc-15-1215-2021>, 2021.

Fettweis, X., Hofer, S., Séférian, R., Amory, C., Delhasse, A., Doutreloup, S., Kittel, C., Lang, C., Van Bever, J., Veillon, F., and Irvine, P.: Brief Communication: Reduction of the future Greenland ice sheet surface melt with the help of solar geoengineering, *The Cryosphere Discuss.* [preprint], <https://doi.org/10.5194/tc-2020-347>, in review, 2020