

We would like to thank the Editor for her final comments on our revised manuscript *Reconciling the surface temperature–surface mass balance relationship in models and ice cores in Antarctica over the last two centuries*.

We have implemented the technical corrections as suggested, corrected a couple additional typos. We found that anticipating the conclusion of our paper earlier on in the manuscript was difficult to implement without making larger changes in the introduction. However, we have added a sentence lines 104-105 to insist the goal of the paper more specifically : « In this manuscript, we constrain the empirical link between SAT and surface mass SMB at the regional and local scales. »

We would also like to take the time to thank the Editor and both anonymous reviewers who have, through their insightful comments, helped strengthen this study and produce a much more impactful manuscript.

Marie Cavitte on behalf of all co-authors.