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Prof. Gagliardini
Associate Editor
The Cryosphere

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Dear Prof. Gagliardini:

We are pleased to submit the revised manuscript “Inferring the basal sliding coefficient for the Stokes ice sheet model under rheological uncertainty” by Olalekan Babaniyi, Ruanui Nicholson, Umberto Villa, and Noemi Petra for publication in The Cryosphere. In the revised manuscript we have added a new subsection (please see Subsection 6.4 in the attached diff file or in the manuscript) that outlines the additional examples we added to the Supplementary Material as well as summarised our findings for the three new test cases.

We thank again the reviewers for the thorough comments, and many thanks to you for handling the manuscript with such care.

Sincerely,

Noemi Petra