

***Interactive comment on “Inferring the basal sliding coefficient field for the Stokes ice sheet model under rheological uncertainty” by Olalekan Babaniyi et al.***

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Thanks for the careful reading and for your helpful comments and suggestions. Please find attached point-by-point replies (in black) to your comments and questions (which are reprinted in blue). To give you an overview of all the changes in the paper, we also provide a diff-document that highlights the changes between the initial submission and this re-submission.

Please also note the supplement to this comment:

<https://tc.copernicus.org/preprints/tc-2020-229/tc-2020-229-AC1-supplement.pdf>

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Interactive comment on The Cryosphere Discuss., <https://doi.org/10.5194/tc-2020-229>, 2020.

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