

Interactive comment on “Sensitivity of the dynamics of Pine Island Glacier, West Antarctica, to climate forcing for the next 50 years” by H. Seroussi et al.

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Dear Pr. Pattyn,

We are grateful to the reviewers, who have provided helpful and insightful comments to our manuscript. All of their remarks have been taken into account. In the supplement to this comment, we detail our responses to the reviewers and how we included their remarks. The new version of the manuscript demonstrates that the mesh resolution at the grounding line does not impact our results and presents figures to show the evolution of grounding line position as well as the impact of melting under newly ungrounded areas. The new manuscript is also included in the supplement, and differences with

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the previous version are highlighted.

Best regards,

Helene Seroussi

Please also note the supplement to this comment:

<http://www.the-cryosphere-discuss.net/8/C1015/2014/tcd-8-C1015-2014-supplement.pdf>

Interactive comment on The Cryosphere Discuss., 8, 1873, 2014.

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