Supplement to

Responses of Pine Island and Thwaites Glaciers to Melt and Sliding Parameterizations

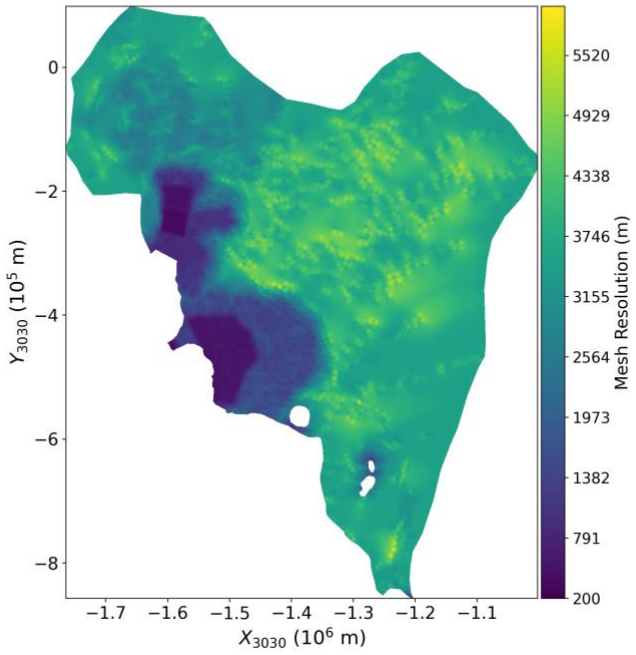

Figure S1. Mesh resolution for the domain that includes Pine Island and Thwaites glaciers.

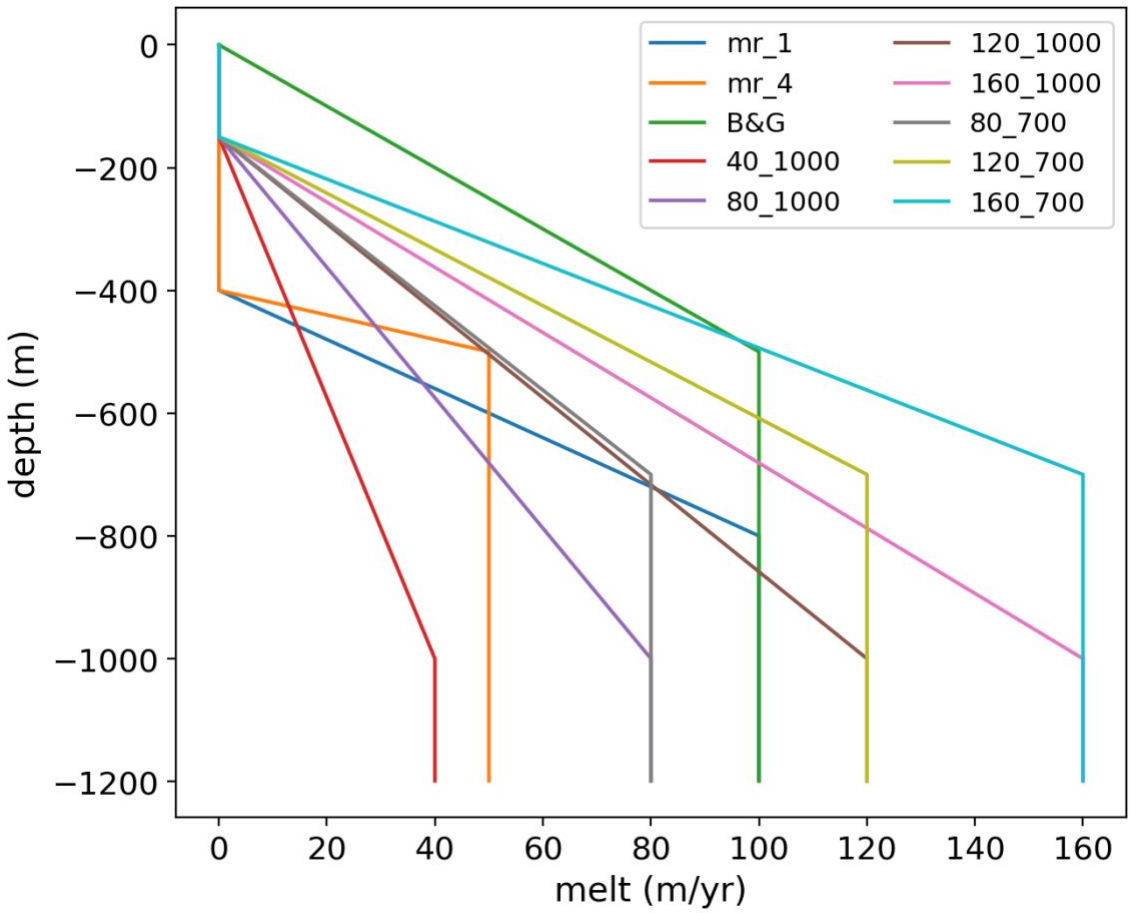

Figure S2. Depth-parameterized melt profiles with mr_1 and mr_2 from Gudmundsson et al., (2023), B&G from (2022), and 40_1000, 80_1000, 120_1000, 80_700, 160_1000, 80_700, 120_700, and 160_700 from Yu et al., (2018).

References

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Gudmundsson, G. H., Barnes, J. M., Goldberg, D. N., and Morlighem, M.: Limited Impact of Thwaites Ice Shelf on Future Ice Loss From Antarctica, Geophys. Res. Lett., 50, https://doi.org/10.1029/2023gl102880, 2023.

Yu, H., Rignot, E., Seroussi, H., and Morlighem, M.: Retreat of Thwaites Glacier, West Antarctica, over the next 100 years using various ice flow models, ice shelf melt scenarios and basal friction laws, The Cryosphere, 12, 3861–3876, https://doi.org/10.5194/tc-12-3861-2018, 2018.