Supplementary Material
A Positive Feedback between Iceberg Calving and Local Sea Level through Hydrostatic Pressure

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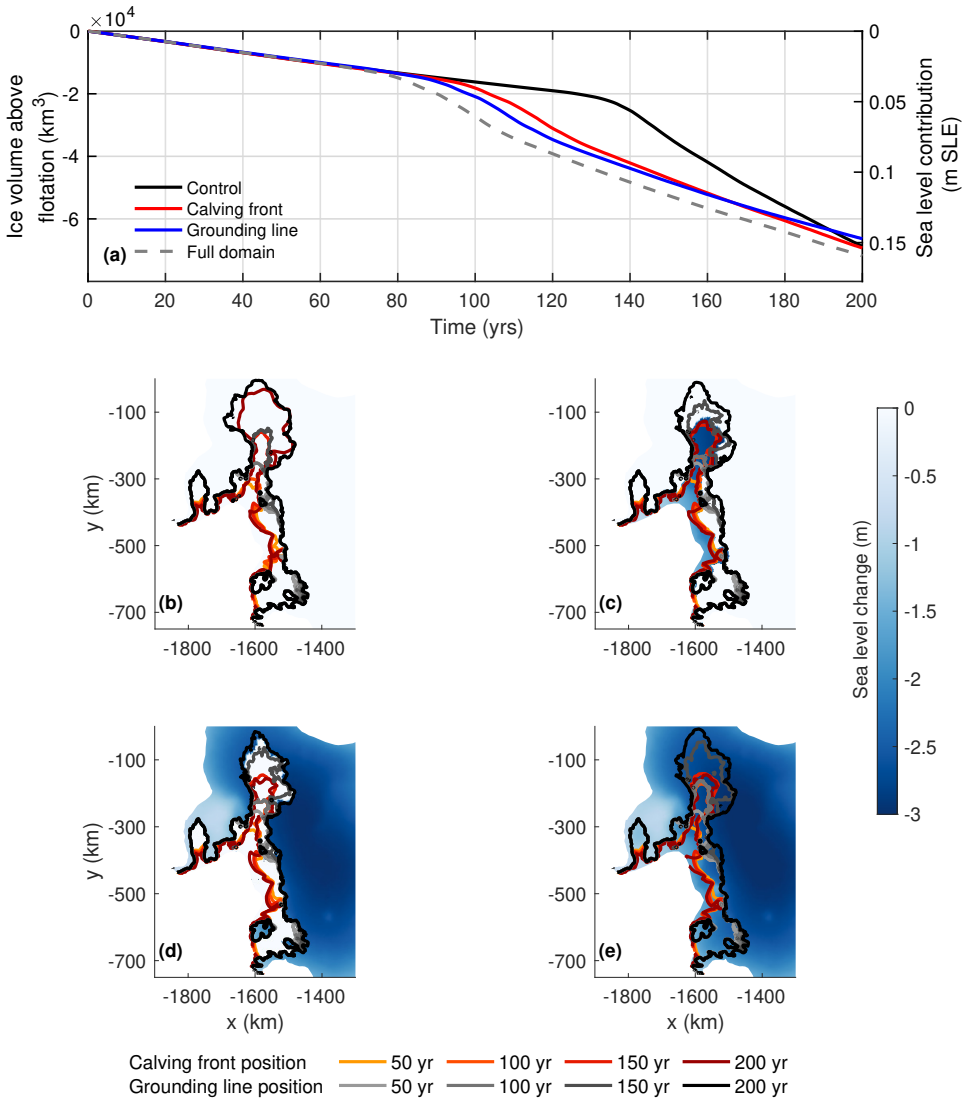

Figure S1: (a) Transient change in ice volume above flotation in the Amundsen Sea Embayment over 200 years for coupled model simulations in response to relative sea-level changes computed by ISSM-SEASAW. Local sea-level change at the end of the simulation (years 190-200) for the (b) control, (c) calving front only, (d) grounding line only, and (e) full domain simulations. Evolution of grounding line are shown in grayscale (light to dark with time) and calving fronts in orange to red. Glacier specific stress threshold (184kPa for Pine Island glacier and 295kPa for Thwaites