



Supplement of

Observed mechanism for sustained glacier retreat and acceleration in response to ocean warming around Greenland

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Figure S1. Time series of centerline stress components for Inngia Isbræ along with qualitative uncertainties in stresses from errors in velocity data (Gardner et al., 2019). Along flow (a) driving stress, (b) basal drag, (c) lateral drag, and (d) longitudinal coupling. Positive values of driving stress act in the direction of flow, positive values of all other stresses oppose flow.



Figure S2. Time series of centerline stress components for Umiammakku Isbræ along with qualitative uncertainties in stresses from errors in velocity data (Gardner et al., 2019). Along flow (a) driving stress, (b) basal drag, (c) lateral drag, and (d) longitudinal coupling. Positive values of driving stress act in the direction of flow, positive values of all other stresses oppose flow.



Figure S3. Time series of centerline stress components for Rink Isbræ along with qualitative uncertainties in stresses from errors in velocity data (Gardner et al., 2019). Along flow (a) driving stress, (b) basal drag, (c) lateral drag, and (d) longitudinal coupling. Positive values of driving stress act in the direction of flow, positive values of all other stresses oppose flow.