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Supplement of

Increased Greenland melt triggered by large-scale, year-round cyclonic moisture intrusions

M. Oltmanns et al.

Correspondence to: Marilena Oltmanns (moltmanns@geomar.de)

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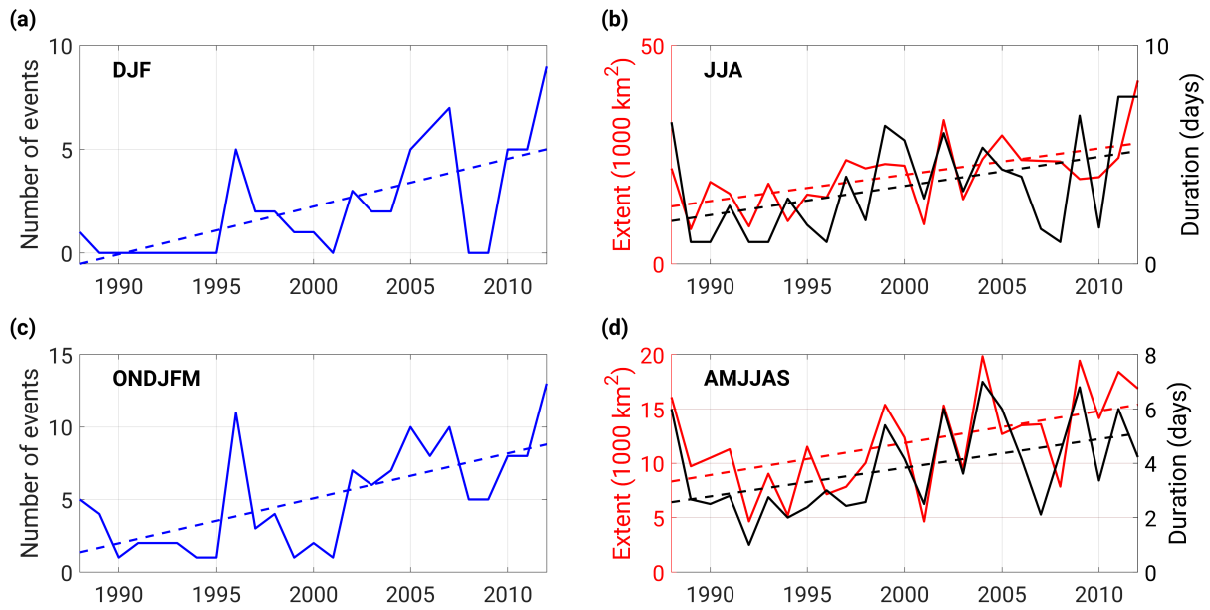


Figure S1. (a, c) Variability in the number of winter melt events, where winter is defined as the period from (a) December through February and (c) October through March. (b, d) Variability of the melt extent, averaged from day 0 to 2, and the duration of melt events in summer, where summer spans the months (b) June through August and (d) April through September. All trends shown are statistically significant at the 95% confidence level.

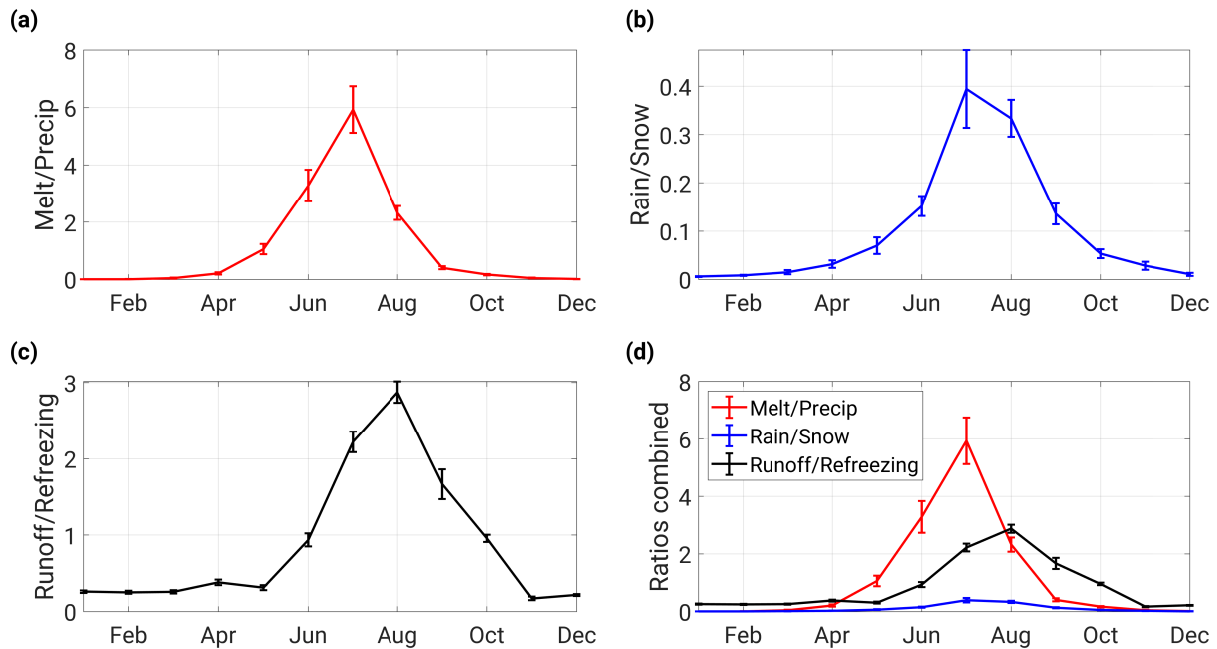


Figure S2. (a, b, c) Relative magnitudes of (a) melting to precipitation, (b) rainfall to snowfall and (c) runoff to refreezing, averaged from day 0 to day 2 (Fig. 10). (d) All ratios combined in one graph, illustrating the differences in their timings.