

Anomalous Circulation in July 2019 Resulting in Mass Loss on the Greenland Ice Sheet

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- Extensive surface melt occurred on the Greenland Ice Sheet on 30–31 July 2019, which included Summit Station.
- Surface melt patterns were driven by a westward advection of warm air following a heatwave over western Europe. The mechanism differs from prior melt events on the ice sheet.
- Large mass loss occurred in NE Greenland, following the event mechanism.

