Linking the Holocene variability of Svalbard glaciers and ice caps to oceanic heat advection

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Hypothesis

Atlantic Water reached the Arctic Ocean and affected glacial activity in the fjords of Northern Svalbard during the Holocene.

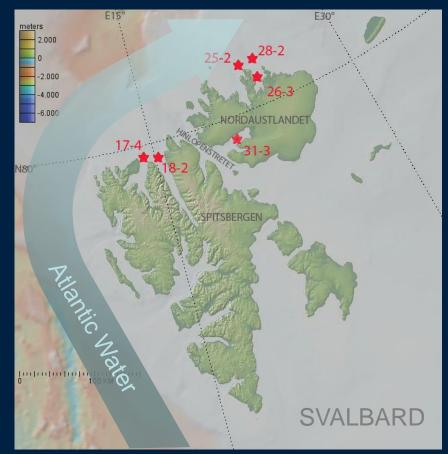
Questions

- How far did the impact of Atlantic Water reach?
- How sensitive does a key region like the Svalbard archipelago react on oceanographic variations?

Methods

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Faunal analyses (benthic foraminifers) Sedimentological analyses (IRD, grain sizes, sediment color) Geochemical analyses (e.g. XRF, organic carbon, CaCO₃, stable isotopes)



Red stars: core sites Map created with GeoMapApp (http://www.geomapapp.org)

