

(a)

?

Air temperature

Local marine moisture sourcing

NAO

NAO

Surface wind regime

?

Evaposublimation

← *Interannual* *Annual cycle* *Synoptic* *Diel* →

(b)

NAO-

Higher $\delta^{18}\text{O}$ and $\delta^2\text{H}$
Lower dxs

Lower $\delta^{18}\text{O}$ and $\delta^2\text{H}$
Higher dxs

(c)

NAO+

Warmer Thule
air temperatureLower Baffin Bay
sea ice extentCooler Thule
air temperatureHigher Baffin Bay
sea ice extent

Enhanced southerly flow

Suppressed southerly flow

More evaposublimation

Enhanced sea breeze

Less evaposublimation

Suppressed sea breeze

