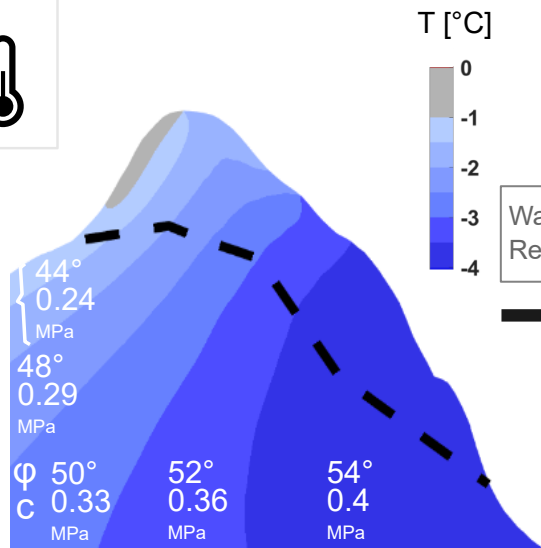


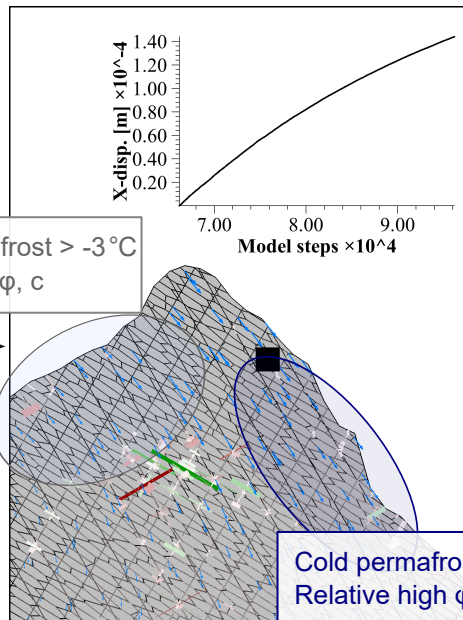
(a) Cryogrid 2D model of 2023

S1



(b) UDEC model with shear parameters $\phi(T)$ & $c(T)$

Warm permafrost > -3°C
Relative low ϕ , c



Cold permafrost < -3°C
Relative high ϕ , c

Shear displacement [m]

