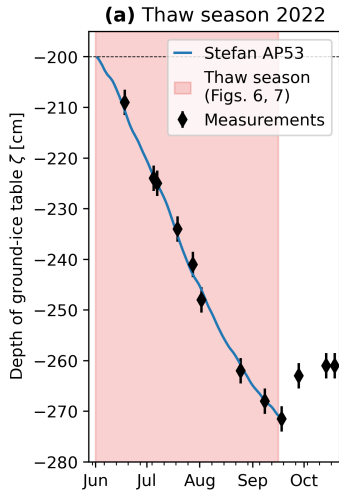


Stake measurements & time-lapse images



Motivation

- Permafrost water
- Cool micro-habitats

“Surface” energy balance

Setting

Measurements and methods

- Above-ground
- Below-ground

Energy budgets

- Surface energy balance
- AL energy budget

Ice storage changes

Climate sensitivity

Linking processes

- Seasonal heat transfer processes
- Thermal diode effect

Turbulent flux parameterisations

Conclusions & outlook

July 2023.