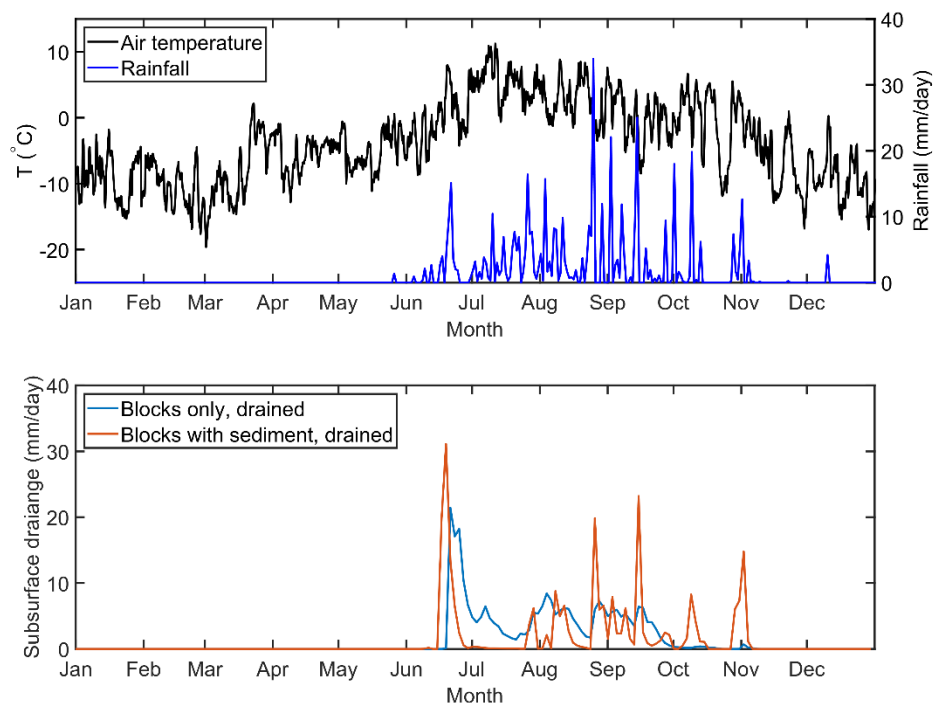
Supplement 1 to "Simulating the effect of subsurface drainage on the thermal regime and ground ice in blocky terrain, Norway"

1 Simulated subsurface drainage rates

Here, we provide simulated subsurface drainage rates for two model scenarios at Juvvasshøe in addition to air temperature and

5 rainfall at the site.

Suppl. 1, Fig. 1: Air temperature and rainfall (top) and lateral subsurface drainage out of the model realization for the *blocks only* and *blocks with sediment* stratigraphies (see Table 1), both *drained* (bottom) during a year of an equilibrium run at Juvvasshøe. *Sf* = 0.25. The drainage rate is the summed drainage over all grid cells.

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