The Cryosphere Discussions

The Cryosphere Discuss., referee comment RC2
https://doi.org/10.5194/tc-2022-165-RC2, 2022

Comment on tc-2022-165

Anonymous Referee #2

Referee comment on "Brief communication: Combining borehole temperature, borehole piezometer and cross-borehole electrical resistivity tomography measurements to investigate seasonal changes in ice-rich mountain permafrost" by Marcia Phillips et al., The Cryosphere Discuss., https://doi.org/10.5194/tc-2022-165-RC2, 2022

This brief communication presents a first analyze of newly instrumented boreholes on a rock glacier in Switzerland. This unique combination of instrumentations (cross-hole ERT, piezometers and borehole temperature) aims to investigate ice and water contents in an ice-rich rock glacier and shows very promising first results.

This short communication reads well, and with the inclusion of a few suggestions in a commented attached PDF, I highly recommend to publish in The Cryosphere this unique work, which has a high value for the mountain permafrost community.

Please also note the supplement to this comment:
https://tc.copernicus.org/preprints/tc-2022-165/tc-2022-165-RC2-supplement.pdf