

Review

Evaluating integrated surface/subsurface permafrost thermal hydrology models in ATS (v0.88) against observations from a polygonal tundra site

Having taken into consideration all the comments from the reviewers, the article was edited and finalized. The changes have been introduced to the abstract of the article, to the sections 2 to 4 and to the list of references, considering all the reviewers remarks. In particular, sections 3 and 4 of the text manuscript were significantly revised, and quantitative metrics (RMSE, NSE) were added to determine the model efficiency (Table S1 supplemental materials). Moreover, Table 1 was added to the text manuscript in order to specify the algorithms of numerical simulations presented in the article. In addition, the required supplemental materials were added. All the editorial remarks were taken into consideration; the ticks labels of all the figures were changed into month/day format, and the temperature units were changed from Kelvin to Celsius, as was advised.

To sum up, the text of the article is well structured and comprehensive. The language used is fluent and precise. The amount and quality of supplementary material is appropriate.