

The Cryosphere Discuss., author comment AC3
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Comment on tc-2021-218

Elena Shevnina et al.

Author comment on "Evaporation over a glacial lake in Antarctica" by Elena Shevnina et al., The Cryosphere Discuss., <https://doi.org/10.5194/tc-2021-218-AC3>, 2021

We have received two comprehensive reviews where several issues were mentioned. We implemented most of the modifications suggested by the reviewers in the revised version of the manuscript and, in our opinion, the manuscript profited with this revision. We also extended explanations of those issues, which were not concretely implemented in the revised manuscript. We followed the comments of two Referees in answering them point-by-point, and then we showed the new text to be included into the revised manuscript.

During the major revision, the manuscript has got a new abstract, two new subsections: the first one is given the fitting of the empirical relationship to estimate the evaporation over ice free glacial lakes in Antarctica. The second subsection analyzes the impact of katabatic and synoptic forcing on day-by-day changes of evaporation. The revised version of the manuscript has a new structure with respect to representation of the material, and the quality of the figures was improved, and the list of the references was revised. We hope that it helps to stress the aim and objectives of our study. We focused on the uncertainties inherent in various methods applied in the estimation of evaporation. This study also led to the publication of the hydrological data recently collected on glacial lakes located in East Antarctica.

The new manuscript is checked by a professional English corrector, therefore we hope that the new text includes less language related issues.

Elena Shevnina,

On behalf of authors