We thank the Editor for his interest to our manuscript and useful suggestions to improve it.

The question about the correlation length is not quite clear to us. Perhaps, the Editor meant the effect that a deviation in snow and ice parameters can have on the stability of model results. As we mentioned before, one of the goals of the work was to provide an explanation of abrupt seasonal changes in brightness temperature of the lake surfaces. To this end, for the model input parameters we used regional averages of snow and ice parameters. The study of model stability against variation of input parameters is a rather demanding task. We plan to address it in the near future.

In line with the recommendations of the Editor, we changed the data source links to lower level domain ones.

Also, Author contribution and Competing interests sections were added.

We thank once again the Editor for his useful comments.

Sincerely,
Vasiliy Tikhonov and Co-authors