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Interactive comment on "Parameter sensitivity analysis of a 1-D cold region lake model for land-surface schemes" *by* José-Luis Guerrero et al.

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It was an interesting discussion, enthusiastic (and at places quite critical) comments from referees and replies from the authors. I am inviting the authors to update the manuscript accordingly, and to submit it together with rebuttal (based on already published replies).

I would like to add one thing, for possible consideration: Figure 9 (results of GLUE) shows that MAE (and hence model output) does not depend on values of Cf and Cs (and it is also stated on p 12). How physical is this? How does this Figure relate to Figures 6-7 where one can see that MAE or NSE are indeed sensitive to Cs and Cf?

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[Discussion paper]

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