

## ***Interactive comment on “West Greenland ice sheet retreat history reveals elevated precipitation during the Holocene thermal maximum” by Jacob Downs et al.***

**Jacob Downs et al.**

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We have made an additional round of edits to the manuscript in order to address reviewer comments to the best of our ability. To give a brief overview:

- Overall, there is less emphasis on connections between modern and Holocene climate. We agree that there may be too much uncertainty to draw significant parallels.
- All modeling work presented in the manuscript now includes isostatic uplift. This did not significantly impact our results or interpretation, but we felt it was impor-

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tant to verify this.

- There is more emphasis on the data-assimilation methods. We have tried to clarify some points and make the methods more accessible to a broader audience.
- Many figures have been revamped based on reviewer feedback.
- The discussion has been revamped to hit on several insightful points from reviewers. There is also more discussion related to advantages / disadvantages of different approaches to uncertainty quantification.

We have included the revised manuscript in the supplement.

Please also note the supplement to this comment:

<https://www.the-cryosphere-discuss.net/tc-2019-129/tc-2019-129-AC4-supplement.pdf>

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Interactive comment on The Cryosphere Discuss., <https://doi.org/10.5194/tc-2019-129>, 2019.