

## Response to Gebremedhin Haile

*I am eager to use this dataset. I believe that this dataset will be very valuable and helpful in Africa where data is limited. I like how the paper is written, it is very informative.*

Response: Many thanks indeed for your positive evaluation and suggested references. We have carefully revised the manuscript according to your comments. In the following, we provide an item-by-item response to your comments. Your comments are written in italic black color; our responses are shown in upright font blue color.

*I have the following two minor comments that needs to be considered*

*Authors used high resolution datasets to develop the dataset. However, other criterias should have been considered. For example, supportive evidence should be provided as to whether CHIRPS is recommended for Africa or not. And the same for the other datasets used to develop this dataset. I also recommend to include the following recent researches on Africa and global to further enrich the quality of the paper.*

<https://journals.ametsoc.org/doi/full/10.1175/BAMS-D-12-00124.1>

<https://journals.ametsoc.org/doi/full/10.1175/BAMS-D-16-0287.1>

<https://www.nature.com/articles/s41586-019-1149-8>

<https://www.sciencedirect.com/science/article/abs/pii/S0012825218303519>

<https://www.nature.com/articles/ngeo2646>

<https://onlinelibrary.wiley.com/doi/abs/10.1002/wc>

<https://journals.ametsoc.org/doi/full/10.1175/BAMS-D-11-00176.1>

<https://journals.ametsoc.org/doi/full/10.1175/BAMS-D-11-00212.1>

Response: Thanks for the comments and suggestions. We fully agree. Please see our detailed responses to Referee #1 on the motivation of choosing different products. In addition, the relevant references that support the validity of CHIRPS and other datasets in Africa have been added in the revised manuscript. Most of your suggested references have also been integrated into the revised manuscript. Thanks very much.