

We thank Referee #2 for her/his positive comments. We agree that this is indeed quite a remarkable dataset to have access to. We also agree that this work is relevant to a wide range of applications beyond flood design.

(1) The referee makes an important comment about the context setting in the paper.

The paper would benefit greatly from additional material setting out the scope and extent of previous applications for this family of models. The paper is written for the cognoscenti, but for those not deeply familiar with the models, more context would provide helpful motivation, i.e. lines 14 -19 should be expanded.

Ans: We thank the referee for pointing that out. The paper is indeed light on information about the applicability of these models. We therefore add some sentences to provide further context setting to motivate the work and show its importance in relation to applications.

(2) The two other minor comments made by the referee are addressed by making the required changes in the text.

- Line 54: This sentence has been changed to: *The other issue (i.e., **the underestimation of rainfall variability at scales equal to or larger than a few days**) had not so far received much attention although it is in fact of clear practical import.*
- Line 117: This sentence has been changed to: *The models are **generally** calibrated....*