

CONTRIBUTION OF ANTHROPOGENIC CLIMATE CHANGE TO APRIL–MAY 2017 HEAVY PRECIPITATION OVER THE URUGUAY RIVER BASIN

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In Fig. ES1a, which represents the April–May precipitation anomaly for the CPC dataset and the Actual ensemble for the period of 1979 to 2013, it is shown that the model were able to correctly reproduce the

anomalies when considering the uncertainties that are represented by the ensemble spread. This is also shown by the fitted gamma distributions of the CPC and Actual ensemble distribution in Fig. ES1b.

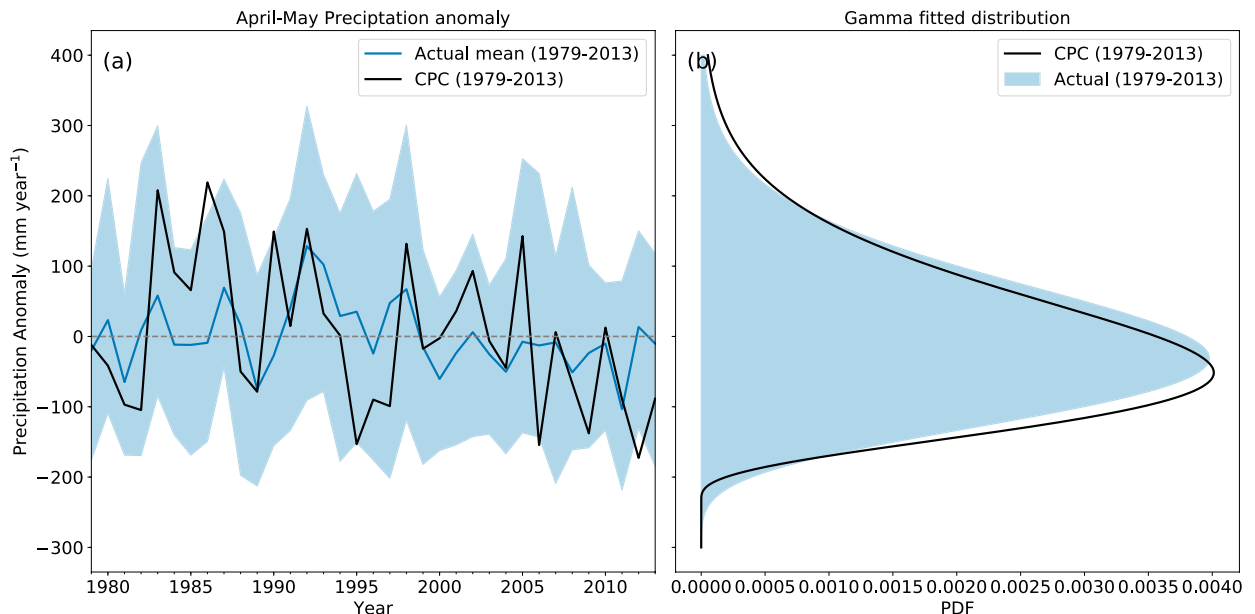


FIG. ES1. (a) April–May precipitation anomaly in the Uruguay River basin between 1979 to 2013 for the CPC dataset (black solid line) and the Actual ensemble mean (blue solid line) and the maximum and minimum values of the ensembles (blue shaded). (b) Gamma fitted distributions of the April–May precipitation for the CPC dataset (black solid line) and the Actual ensemble (blue shaded).