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Title: Modeling the contribution of tropical cyclones in sub-seasonal precipitation forecasts over NA

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Abstract:

In a given area the skill of monthly average precipitation forecasts is highly dependent upon the model's ability to capture the occurrence of large precipitation anomalies at shorter time scales. During the hurricane season in North America, tropical cyclones (TC) can contribute up to 50% of the annual precipitation. Thus, missing these weather events can result in a wrong forecast. We examine some of those forecast cases in the context of whether the model was able to capture the likelihood that a TC could generate, maintain and land over North America.

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