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[Abstract Title]

Hot spots of extreme precipitation change

[Abstract]

Through simultaneously considering the changes in intensity, frequency and interannual variability of extreme precipitation, we construct an aggregate indicator to identify the hotspots of extreme precipitation change. The result shows that Sahara is the hotspot of extreme precipitation change in both 1.5 and 2°C global warming scenarios. Reduce extra 0.5°C global warming, the response of extreme precipitation to global warming would decrease about 7-8%. Besides, the intensity, frequency and interannual variability respond equally to global warming.

[Keywords]

extreme precipitation, frequency, intensity, interannual variability