

Accepted Manuscript

Patterns of Precipitation and Soil Moisture Extremes in Texas, US: A Complex Network Analysis

Alexander Y. Sun, Youlong Xia, Todd Caldwell, Zengchao Hao

PII: S0309-1708(17)30911-9
DOI: [10.1016/j.advwatres.2017.12.019](https://doi.org/10.1016/j.advwatres.2017.12.019)
Reference: ADWR 3053



To appear in: *Advances in Water Resources*

Received date: 21 September 2017
Revised date: 21 December 2017
Accepted date: 22 December 2017

Please cite this article as: Alexander Y. Sun, Youlong Xia, Todd Caldwell, Zengchao Hao, Patterns of Precipitation and Soil Moisture Extremes in Texas, US: A Complex Network Analysis, *Advances in Water Resources* (2017), doi: [10.1016/j.advwatres.2017.12.019](https://doi.org/10.1016/j.advwatres.2017.12.019)

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Highlights

- Spatiotemporal patterns of extreme precip (P) and soil moisture(SM) are studied
- An event-based complex network theoretical framework is adopted
- High-resolution observed P data and simulated SM data are used
- Results reveal high spatiotemporal variability in event concurrence and coupling
- Insights gained may help to guide future flood mitigation planning efforts

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