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Peer-Reviewed Journal Articles

58. Hoell, A., and 15 coauthors, 2020: Lessons Learned from the 2017 Flash Drought Across the U.S. Northern Great Plains and Canadian Prairies. *Bull. Amer. Meteor. Soc.*, doi: <https://doi.org/10.1175/BAMS-D-19-0272.1>.
57. Wahl, G., A. Hoell, E. Zorita, E. Gille, H.F. DiAx, 2020: A 450-year Perspective on California Precipitation “Flips”, *J. Climate*
56. Hoell, A., Eischeid, J., Barlow, M., McNally, A., 2020: Characteristics, precursors, and potential predictability of Amu Darya Drought in an Earth system model large ensemble. *Clim Dyn*, 55, 2185–2206. <https://doi.org/10.1007/s00382-020-05381-5>
55. Zhang, T., M. P. Hoerling, A. Hoell, J. Perlwitz, and J. Eischeid, 2020: Confirmation for and Predictability of Distinct U.S. Impacts of El Niño Flavors. *J. Climate*, 33, 5971–5991, <https://doi.org/10.1175/JCLI-D-19-0802.1>.
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53. Pendergrass, A.G., G.A. Meehl, R. Pulwarty, M. Hobbins, A. Hoell and 17 Coauthors, 2020: Flash droughts present a new challenge for subseasonal-to-seasonal prediction. *Nat. Clim. Chang.* 10, 191–199. <https://doi.org/10.1038/s41558-020-0709-0>.
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51. Hoell, A., Eischeid, J. On the interpretation of seasonal Southern Africa precipitation prediction skill estimates during Austral summer. *Clim Dyn* 53, 6769–6783 (2019). <https://doi.org/10.1007/s00382-019-04960-5>.

50. Zhang, T., Hoell, A., Perlwitz, J., Eischeid, J., Murray, D., Hoerling, M., & Hamill, T. M. (2019). Towards probabilistic multivariate ENSO monitoring. *Geophysical Research Letters*, 46, 10532– 10540. <https://doi.org/10.1029/2019GL083946>.
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48. Funk, C., and Coauthors, 2019: Recognizing the Famine Early Warning Systems Network: Over 30 Years of Drought Early Warning Science Advances and Partnerships Promoting Global Food Security. *Bulletin of the American Meteorological Society*, 100, 1011-1027.
47. Agel, L., M. Barlow, F. Colby, H. Binder, J. L. Catto, A. Hoell, and J. Cohen, 2019: Dynamical analysis of extreme precipitation in the US northeast based on large-scale meteorological patterns. *Clim Dyn*, 52, 1739-1760.
46. Herring, S.C., N. Christidis, A. Hoell, M.P. Hoerling, and P.A. Stott, 2019: Explaining Extreme Events of 2017 from a Climate Perspective. *Bull. Amer. Meteor. Soc.*, 100, S1–S117, <https://doi.org/10.1175/BAMS-ExplainingExtremeEvents2017.1> .
45. Hoell, A., F. Cannon, and M. Barlow, 2018: Middle East and Southwest Asia Daily Precipitation Characteristics Associated with the Madden–Julian Oscillation during Boreal Winter. *J. Climate* , 31, 8843-8860.
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34. Hoell, A., M. Barlow, F. Cannon, and T. Xu, 2017: Oceanic Origins of Historical Southwest Asia Precipitation During the Boreal Cold Season. *Journal of Climate*, 30, 2885-2903.
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15. Zinke, J., and Coauthors, 2015: Coral record of southeast Indian Ocean marine heatwaves with intensified Western Pacific temperature gradient. *Nature Communications*, 6, 8562.
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1. Barlow, M., A. Hoell, and F. Colby, 2007: Examining the wintertime response to tropical convection over the Indian Ocean by modifying convective heating in a full atmospheric model. *Geophysical Research Letters*, 34.

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4. Hoell, A., C. Funk, M. Barlow and F. Cannon, 2017: A Physical Model for Extreme Drought over Southwest Asia. In *Climate Extremes* (eds S. S. Wang, J. Yoon, C. C. Funk and R. R. Gillies). doi:10.1002/9781119068020.ch17
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1. Funk, C., A. Hoell, S. Shukla, G. Husak, J. Michaelsen, 2016: The East African Monsoon System: Seasonal Climatologies and Recent Variations. In: de Carvalho L., Jones C. (eds) *The Monsoons and Climate Change*. Springer Climate. Springer, Cham.

Assessments and Reports

2. Hoell, A., J. Perlwitz and J. Eischeid, 2019: The Causes, Predictability, and Historical Context of the 2017 U.S. Northern Great Plains Drought. NOAA National Integrated Drought Information System. <https://www.drought.gov/drought/documents/causes-predictability-and-historical-context-2017-us-northern-great-plains-drought>.
1. Jencso, K., B. Parker, M. Downey, T. Hadwen, A. Howell, J. Rattling Leaf, L. Edwards, and A. Akyuz, D. Kluck, D. Peck, M. Rath, M. Syner, N. Umphlett, H. Wilmer, V. Barnes, D. Clabo, B. Fuchs, M. He, S. Johnson, J. Kimball, D. Longknife, D. Martin, N. Nickerson, J. Sage and T. Fransen. 2019. *Flash Drought: Lessons Learned from the 2017 Drought*

Across the U.S. Northern Plains and Canadian Prairies. NOAA National Integrated Drought Information System. <https://www.drought.gov/drought/documents/flash-drought-lessons-learned-2017-drought-across-us-northern-plains-and-canadian-prairies>.