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## Peer-Reviewed Journal Articles

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- **Hoell, A.**, M. Barlow and F. Cannon (2017), Oceanic Origins of Historical Southwest Asia Precipitation During the Boreal Cold Season, *Journal of Climate*, doi: 10.1175/JCLI-D-16-0519
- Sossa, A., B. Liebmann, I. Blade, D. Allured, H. Hendon, P. Peterson, **A. Hoell** (2017), The Influence of the Madden-Julian Oscillation on Large Daily Precipitation Events in West Africa, *Journal of Climate*, doi: 10.1175/JCLI-D-16-0144
- **Hoell, A.**, M. Hoerling, J. Eischeid, X.-W. Quan and B. Liebmann (2017), Reconciling Theories for Human and Natural Attribution of Recent East Africa Drying, *Journal of Climate*, doi: 10.1175/JCLI-D-16-0558
- Shukla, S., J. Roberts, **A. Hoell**, C. C. Funk, F. Robertson, and B. Kirtman (2016), Assessing North American multimodel ensemble (NMME) seasonal forecast skill to assist in the early warning of anomalous hydrometeorological events over East Africa, *Clim Dyn*, 1-17, doi:10.1007/s00382-016-3296-z.
- Funk, C., L. Harrison, S. Shukla, **A. Hoell**, Diriba Korecha, Tamuka Magadzire, G. Husak and G. Galu (2016): Assessing the Contributions of Local and East Pacific Warming to the 2015 Droughts in Ethiopia and Southern Africa [in “Explaining Extreme Events of 2015 from a Climate Perspective”] *Bulletin of the American Meteorological Society*
- **Hoell, A.**, M. Hoerling, J. Eischeid, K. Wolter, R. Dole, J. Perlwitz, T. Xu, and L. Cheng (2016), Does El Niño intensity matter for California precipitation?, *Geophysical Research Letters*, 43(2), 819-825, doi:10.1002/2015GL067102.
- **Hoell, A.**, C. Funk, J. Zinke, and L. Harrison (2016), Modulation of the Southern Africa precipitation response to the El Niño Southern Oscillation by the subtropical Indian Ocean Dipole, *Clim Dyn*, 1-12, doi:10.1007/s00382-016-3220-6.
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- Cannon, F., L. M. V. Carvalho, C. Jones, **A. Hoell**, J. Norris, G. N. Kiladis, and A. A. Tahir (2016), The influence of tropical forcing on extreme winter precipitation in the western Himalaya, *Clim Dyn*, 1-20, doi:10.1007/s00382-016-3137-0.
- Zinke, J., **A. Hoell**, J. M. Lough, M. Feng, A. J. Kuret, H. Clarke, V. Ricca, K. Rankenburg, and M. T. McCulloch (2015), Coral record of southeast Indian Ocean marine heatwaves with intensified Western Pacific temperature gradient, *Nature Communications*, 6, 8562, doi:10.1038/ncomms9562
- **Hoell, A.**, S. Shukla, M. Barlow, F. Cannon, C. Kelley, and C. Funk (2015), The Forcing of Monthly Precipitation Variability over Southwest Asia during the Boreal Cold Season, *Journal of Climate*, 28(18), 7038-7056, doi:10.1175/JCLI-D-14-00757.1.

- **Hoell, A.**, C. Funk, T. Magadzire, J. Zinke, and G. Husak (2015), El Niño–Southern Oscillation diversity and Southern Africa teleconnections during Austral Summer, *Clim Dyn*, 45(5), 1583-1599, doi:10.1007/s00382-014-2414-z.
- Funk, C. C., and **A. Hoell** (2015), The Leading Mode of Observed and CMIP5 ENSO-Residual Sea Surface Temperatures and Associated Changes in Indo-Pacific Climate, *Journal of Climate*, 28(11), 4309-4329, doi:10.1175/JCLI-D-14-00334.1.
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- Funk, C., et al. (2015), The climate hazards infrared precipitation with stations—a new environmental record for monitoring extremes, *Scientific Data*, 2, 150066, doi:10.1038/sdata.2015.66.
- Barlow, M., B. Zaitchik, S. Paz, E. Black, J. Evans, and **A. Hoell** (2015), A Review of Drought in the Middle East and Southwest Asia, *Journal of Climate*, doi:10.1175/JCLI-D-13-00692.1.
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- Shukla, S., C. Funk, and **A. Hoell** (2014), Using constructed analogs to improve the skill of National Multi-Model Ensemble March–April–May precipitation forecasts in equatorial East Africa, *Environmental Research Letters*, 9(9), 094009.
- **Hoell, A.**, C. Funk, and M. Barlow (2014), The Forcing of Southwestern Asia Teleconnections by Low-Frequency Sea Surface Temperature Variability during Boreal Winter, *Journal of Climate*, 28(4), 1511-1526, doi:10.1175/JCLI-D-14-00344.1.
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- Funk, C., **A. Hoell**, S. Shukla, I. Bladé, B. Liebmann, J. B. Roberts, F. R. Robertson, and G. Husak (2014), Predicting East African spring droughts using Pacific and Indian Ocean sea surface temperature indices, *Hydrol. Earth Syst. Sci.*, 18(12), 4965-4978, doi:10.5194/hess-18-4965-2014.
- Saini, R., M. Barlow, and **A. Hoell** (2013), Is the North American monsoon self-limiting?, *Geophysical Research Letters*, 40(16), 4442-4447, doi:10.1002/grl.50801.

- **Hoell, A.**, and C. Funk (2013), The ENSO-Related West Pacific Sea Surface Temperature Gradient, *Journal of Climate*, 26(23), 9545-9562, doi:10.1175/JCLI-D-12-00344.1.
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- Funk, C., M. D. Dettinger, J. C. Michaelsen, J. P. Verdin, M. E. Brown, M. Barlow, and **A. Hoell** (2008), Warming of the Indian Ocean threatens eastern and southern African food security but could be mitigated by agricultural development, *Proceedings of the National Academy of Sciences*, 105(32), 11081-11086.
- 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(19), n/a-n/a, doi:10.1029/2007GL030043.

### **Peer-Reviewed Book Chapters**

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- **Hoell, A.**, C. Funk, M. Barlow and F. Cannon, 2016: The Blueprint for Extreme Drought Over Southwest Asia, [in “Climate Extremes: Patterns and Mechanisms”], AGU Monograph, Eds. S.-Y. Wang, Jin-Ho Yoon, Chris Funk and R.R. Gillies
- Funk, C. and **A. Hoell**, 2015: Recent Climate Extremes Associated with the West Pacific Warming Mode, [in “Climate Extremes: Patterns and Mechanisms”], AGU Monograph, Eds. S.-Y. Wang, Jin-Ho Yoon, Chris Funk and R.R. Gillies
- **Hoell, A.**, C. Funk, M. Barlow and S. Shukla, 2015: Recent and Possible Future Variations in the North American Monsoon, [in “The Monsoons and Climate Change: observations and modeling”], Springer, Eds. L. Carvahlo and C. Jones.