Michael F. Wehner

Publications

2017


Michael Wehner, Dáithí Stone, Dann Mitchell, Hideo Shioama, Erich Fischer, Lise S. Graff, Viacheslav V. Kharin, Benjamin Sanderson, Harinarayan Krishnan (2017) Changes in extremely hot days under stabilized 1.5°C and 2.0°C global warming scenarios as simulated by the HAPPI multi-model ensemble. Submitted to a special

Michael Wehner, Dáithí Stone, Hideo Shiogama, Piotr Wolski, Andrew Ciavarella, Nikolaos Christidis, Harinarayan Krishnan (2017) Early 21st century anthropogenic changes in extremely hot days as simulated by the C20C+ Detection and Attribution multi-model ensemble. Submitted to *Weather and Climate Extremes* special C20C+ issue.


Christopher J, Paciorek, Dáithí Stone Michael Wehner (2017) Quantifying uncertainty in the attribution of human influence on severe weather. Submitted to *Climate Dynamics*.


Oliver Angelil, Dáithí Stone, Michael Wehner, Christopher J. Paciorek, Harinarayan Krishnan, William Collins (2017) An independent assessment of anthropogenic attribution statements for recent extreme weather events. Journal of Climate 30, 5-16, DOI: 10.1175/JCLI-D-16-0077.1


2016


**2015**


2014


Martha M Campbell, John Casterline, Federico Castillo, Alisha Graves, Thomas L Hall, John F May, Daniel Perlman, Malcolm Potts, J Joseph Speidel, Julia Walsh, Michael F Wehner, Eliya Msiyaphazi Zulu (2014) Population and climate change: who will the grand convergence leave behind? *The Lancet Global Health* 2, e253-e254 DOI: 10.1016/S2214-109X(14)70021-X


Donald J. Wuebbles, Kenneth Kunkel, Michael Wehner, and Zachary Zobel (2014) Severe Weather in the United States under a Changing Climate, Eos Trans. AGU, 95(18), 149,150


2013


Wei-Chen Chen, George Ostrouchov, David Pugmire, Prabhat, Michael Wehner (2013) A Parallel EM Algorithm for Model-Based Clustering Applied to the Exploration of Large Spatio-Temporal Data. Technometrics, 55, 513-523. 10.1080/00401706.2013.826146


Brian Smith, Daniel M. Ricciuto, Peter E. Thornton, Galen Shipman, Chad Steed, Dean Williams, Michael Wehner (2013) ParCAT: Parallel Climate Analysis Toolkit. Procedia Computer Science: 2013 International Conference on Computational Science, 18, 2367-2375


Donald Wuebbles, Gerald Meehl, Katharine Hayhoe, Thomas R. Karl, Kenneth Kunkel, Benjamin Santer, Michael Wehner, Brian Colle, Erich M. Fischer, Rong Fu, Alex Goodman, Emily Janssen, Huikyo Lee, Wenhong Li, Lindsey N. Long, Seth Olsen, Anji Seth, Justin Sheffield, Liqiang Sun (2013) CMIP5 Climate Model Analyses:
Climate Extremes in the United States, *Bulletin of the American Meteorological Society*. [10.1175/BAMS-D-12-00162.1](http://dx.doi.org/10.1175/BAMS-D-12-00162.1) Early online release.


E. Wes Bethel, Prabhat Prabhat, Suren Byna, Oliver Rübel, K. John Wu, Michael Wehner (2013) Why high performance visual data analytics is both relevant and difficult "*, Proc. SPIE 8654, Visualization and Data Analysis 2013, 86540B; doi:10.1117/12.2010980; http://dx.doi.org/10.1117/12.2010980

**2012**


2010


2009


Global Climate Change Impacts in the United States, Thomas R. Karl, Jerry M. Melillo, and Thomas C. Peterson, (eds.). Cambridge University Press, 2009. (Michael Wehner was a member of lead author team).


2008


2007


2006


“Temperature Trends in the Lower Atmosphere: Steps for Understanding and Reconciling Differences”, Synthesis and Assessment Product 1.1 of the US Climate Change Science Program (CCSP). Contributing author to Chapter 5, “How well can the observed vertical temperature changes be reconciled with our understanding of the causes of these temperature changes?” LBNL-61595


2005


2004

Curt Covey, Krishna M. AchutaRao, Peter J. Gleckler, Thomas J. Phillips, Karl E. Taylor and Michael F. Wehner, Coupled ocean-atmosphere climate simulations


**2003**


Chase’s comments on “Contributions of Anthropogenic and Natural Forcing to Recent Tropopause Height Changes” *Science* 303 (2003) 1771

1983-2002 (prior to LBNL)


Wehner, M. and Covey, C., Description and validation of the LLNL/UCLA parallel atmospheric GCM, UCRL-ID-123223, Lawrence Livermore National Laboratory, December 1995.


Models, Scripps Institution of Oceanography, La Jolla, CA October 10-12, 1994, World Climate Research Programme, WCRP-87


