

Weather and Climate - Bulletin

1. Title: Explaining Extreme Events of 2012 from a Climate Perspective.

Bulletin of the American Meteorological Society, 94 (9), S1–S74. Peterson, T. C., Hoerling, M. P., Stott, P. A., & Herring, S. (2013).

Description: Attribution of extreme events is a challenging science and one that is currently undergoing considerable evolution. In this paper are 19 analyses by 18 different research groups, often using quite different methodologies, of 12 extreme events that occurred in 2012. In addition to investigating the causes of these extreme events, the multiple analyses of four of the events, the high temperatures in the United States, the record low levels of Arctic sea ice, and the heavy rain in northern Europe and eastern Australia, provide an opportunity to compare and contrast the strengths and weaknesses of the various methodologies.

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2. Title: Explaining Extreme Events of 2013 from a Climate Perspective.

Bulletin of the American Meteorological Society, 95 (9), S1–S96. Herring, S. C., Hoerling, M. P., Peterson, T. C., & Stott, P. A. (2014).

Description: Attribution of extreme events is a challenging science and one that is currently undergoing considerable evolution. In this paper, 20 different research groups explored the causes of 16 different events that occurred in 2013.

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