

Ross A. Lazear

Instructional Support Specialist

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Education

M.S., Atmospheric and Oceanic Sciences, University of Wisconsin, Madison, May 2008

Advisor: Dr. Michael C. Morgan

Thesis: The effects of diabatic heating on upper-tropospheric anticyclonogenesis

B.S., Atmospheric and Oceanic Sciences, University of Wisconsin, Madison, August 2005

Professional Experience

Instructional Support Specialist, 2008 –

Department of Atmospheric and Environmental Sciences

University at Albany, State University of New York

Assistant Research Scientist, 2008

Center for Climatic Research

University of Wisconsin, Madison

Synergistic Activities

- Serves on the National Weather Service Customer Advisory Board (2013 –)
- Served on a National Science Foundation review panel for a major proposal (2013)
- Served on UAlbany's emergency management taskforce committee during major weather events (e.g., Tropical Storm Irene in 2011, and Hurricane Sandy in 2012)
- Manages internship program with the National Weather Service Forecast Office in Albany (2008 –)
- Attends American Meteorological Society Annual Meeting as UAlbany representative for the Career Fair, recruiting atmospheric science graduate students for UAlbany (2009 –)
- Operates Department of Atmospheric and Environmental Sciences' Map Room (2008 –)

Selected Conference Presentations and Publications

Tang, B. H., M. Vaughan, **R. A. Lazear**, K. L. Corbosiero, L. F. Bosart, T. Wasula, I. Lee, and K. Lipton, 2016: Topographic and boundary influences on the 22 May 2014 Duanesburg, New York, tornadic supercell. *Wea. Forecasting*, **31**, 107-127.

Grabkowski, P. S., and **R. A. Lazear**, 2015: Multiscale analysis of the 27 April 2011 tornado outbreak. *40th Northeastern Storm Conference*, Saratoga Springs, New York

Lazear, R. A., and N. Metz, 2014: A multiscale analysis of the 29 May 2013 mesoscale convective system and tornadoes near Albany, New York. *39th Northeastern Storm Conference*, Rutland, Vermont

Guastini, C. G., L. F. Bosart, and **R. A. Lazear**, 2013: Initiation and maintenance characteristics of the progressive derecho of 29-30 June 2012. *15th Conference on Mesoscale Processes*, Portland, Oregon

Corbosiero, K. L., and **R. A. Lazear**, 2013: Verification of thunderstorm occurrence using the National Lightning Detection Network. *Sixth Conference on the Meteorological Applications of Lightning Data*, Austin, Texas

Bosart, L. F., C. T. Guastini, and **R. A. Lazear**, 2012: Subtropical continental anticyclones, the “Ring-of-Fire,” and intense derechos. *26th Conference on Severe Local Storms*, Nashville, Tennessee

Corbosiero, K. L., and **R. A. Lazear**, 2012: Verification of thunderstorm occurrence using the National Lightning Detection Network. *25th Conference on Weather Analysis and Forecasting*, Montreal, Quebec

Attard, H. E., and **R. A. Lazear**, 2012: Large-scale precursors to major lake-effect snow events lee of Lake Erie. *25th Conference on Weather Analysis and Forecasting*, Montreal, Quebec

Lazear, R. A., and M. C. Morgan, 2006: The role of diabatic heating in the formation of atmospheric blocking. *Second THORPEX International Science Symposium*, Landshut, Germany

Lazear, R. A., and M. C. Morgan, 2006: The influence of tropical cyclone outflow on the Northern Hemisphere subtropical and tropical general circulation. *27th Conference on Hurricanes and Tropical Meteorology*, Monterey, California

Keller, L. M., M. C. Morgan, D. D. Houghton, and **R. A. Lazear**, 2006: Synoptic-dynamic climatology of large scale cyclones in the North Pacific. *Mon. Wea. Rev.*, **134**, 3567-3587.

Undergraduate Research Advisement

2015, Downdraft CAPE, tornado intensity and track length (D. Card)

2014-2015, Impacts of the Appalachian Mountains on two derecho cases (M. Wunsch)

2014-2015, Multiscale analysis of the 27 April 2011 tornado outbreak (P. Grabkowski)

2013-2014, Planetary-scale precursors to North Atlantic tropical transition (S. Perez)

2013-2014, Tornadoes associated with landfalling tropical cyclones (C. Feliciano)

2011-2012, Large-scale precursors to lake-effect snow downwind of Lake Erie (H. Attard)

2010-2011, Case study of a major northeast snowstorm (S. Andrew)