Curriculum Vitae

Jonathan A. Zawislak

Department of Earth and Environment
Florida International University
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EDUCATION:

2013 *PhD Atmospheric Sciences* University of Utah

Dissertation titled, "Necessary and Sufficient Conditions for Tropical Cyclogenesis"
Committee: Dr. Edward J. Zipser (Chair), Steven Krueger, W. James Steenburgh, Zhaoxia Pu, and Jeffrey Halverson

2008 *M.S. Meteorology* University of Utah

Thesis titled, "Observations of 7 African Easterly Waves in the East Atlantic during 2006"
Committee: Dr. Edward J. Zipser (Chair), W. James Steenburgh, Zhaoxia Pu

2006 *B.S. Meteorology* Pennsylvania State University

PROFESSIONAL EXPERIENCE:

October 2014 – Present	**Research Assistant Professor** Dept. of Earth and Environment, Florida International University
July 2015 – Present	**Adjunct Assistant Professor** Dept. of Atmospheric Sciences, Univ. of Utah
July 2014 – October 2014	**Research Assistant Professor** Dept. of Atmospheric Sciences, Univ. of Utah
July 2013 – June 2014	**Postdoctoral Research Associate**, Dept. of Atmospheric Sciences, Univ. of Utah
June 2006 – June 2013	**Graduate Research Assistant**, Dept. of Atmospheric Sciences, Univ. of Utah

TEACHING EXPERIENCE:

2008, 2010, 2012, 2014	**Teaching Assistant**, Tropical Meteorology. Class in Dept. of Atmospheric Sciences, Univ. of Utah
2007 – 2008	**Teaching Assistant**, Synoptic Meteorology I/II, Classes in Dept. of Meteorology, Univ. of Utah

PUBLICATIONS:

Susca-Lopata, G., J. Zawislak, E. Zipser, R. Rogers, 2015: The Role of Environmental Conditions and Precipitation Evolution in the Rapid Intensification of Hurricane Earl (2010). *Monthly Weather Rev*iew, 143, 2207–2223.

Alvey III, G.R., J. Zawislak, and E. Zipser, 2015: Precipitation Properties Observed during Tropical Cyclone Intensity Change. Monthly Weather Review, in review.

Zawislak, J., and E.J. Zipser, 2014: A Multisatellite Investigation of the Convective Properties of Developing and Nondeveloping Tropical Disturbances. *Monthly Weather Review*, 142, 4624–4645.

Zawislak, J., and E.J. Zipser, 2014: Analysis of the Thermodynamic Properties of Developing and Nondeveloping Tropical Disturbances Using a Comprehensive Dropsonde Dataset. *Monthly Weather Review*, 142, 1250–1264.

Braun, S.A., and coauthors, 2013: NASA's Genesis and Rapid Intensification Processes (GRIP) Field Experiment. *Bulletin of the American Meteorological Society*, 94, 345–363.

Zawislak, J., and E.J. Zipser, 2010: Observations of Seven African Easterly Waves in the East Atlantic during 2006. *Journal of the Atmospheric Sciences.*, 67, 26–43.

Cifelli, R., T. Lang, S. A. Rutledge, N. Guy, E.J. Zipser, J. Zawislak, and R. Holzworth, 2010: Characteristics of an African Easterly Wave Observed during NAMMA. *Journal of the Atmospheric Sciences*, 67, 3–25.

Rauber, R.M., and coauthors, 2007: In the Driver's Seat: RICO and Education. *Bulletin of the American Meteorological Society*, 88, 1929-1937.

Young, G.S., and J. Zawislak, 2006: An Observational Study of Vortex Spacing in Island Wake Vortex Streets. *Monthly Weather Review*, 134, 2285-2294.

OTHER PROFESSIONAL ACTIVITIES:

2014 – 2015 Participant, NASA Global Hydrology Resource Center (GHRC), Distributed Active Archive Center (DAAC), Users Working Group (UWG)

FORECASTING EXPERIENCE:

2006 NASA African Monsoon Multidisciplinary Analyses experiment. Forecasted for aircraft operations into developing and nondeveloping African easterly waves.

2010 NASA Genesis and Rapid Intensification Processes experiment. Forecasted for aircraft operations into developing and rapidly intensifying hurricanes in the West Atlantic.

2006 – 2011 Forecaster, Utahskiweather.com; part of the University of Utah AMS Student Chapter

2006 – 2012 Forecaster, Shift Leader for Campus Forecasting as part of the University of Utah American Meteorological Society (AMS) Student Chapter.

2002 – 2006 Forecaster, Shift Leader and Vice President of Severe Weather Operations for Pennsylvania State University Campus Weather Service.

EDUCATIONAL OUTREACH:

2007 – 2015 Volunteer for U.S. F.I.R.S.T. (For Inspiration and Recognition of Science and Technology) Robotics Program