

## *Curriculum Vitae*

### **Daniel J. Brouillette**

*Climate Services Specialist*

Florida Climate Center, Center for Ocean-Atmospheric Prediction Studies

The Florida State University

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### **EDUCATION**

***Master of Science degree:*** *The Pennsylvania State University – University Park, Pa.*

Meteorology (major)

Conferral date: 15 August 2015

Committee: Michael E. Mann (chair and advisor), Jenni L. Evans, Raymond G. Najjar

Thesis title: "Toward Multi-Proxy Reconstructions of Hydroclimate over the Contiguous United States from A.D. 500 to Present".

***Bachelor of Science degree:*** *Northern Illinois University – DeKalb, Ill.*

Meteorology (major), Applied Mathematical Science (minor)

Conferral date: 12 May 2012

Degree awarded with University Honors and *Summa Cum Laude*

Senior thesis/capstone title (advisor: David Changnon): "On Temporal Changes in and Other Characteristics of Extreme Precipitation in Illinois".

***Diploma:*** *Geneva Community High School – Geneva, Ill.*

Conferral date: 24 May 2009

Diploma awarded with honors for ranking in top five percent of the graduating class.

### **PROFESSIONAL WORK EXPERIENCE**

#### ***Climate Services Specialist***

*Florida Climate Center, Center for Ocean-Atmospheric Prediction Studies*

*The Florida State University – Tallahassee, Fla.*

*June 2016 – present*

Immersed in the daily operations of the office of the Florida State Climatologist, including climate data processing and analysis, applied climate research, and public outreach.

#### ***Graduate Research Assistant***

*Department of Meteorology – The Pennsylvania State University – University Park, Pa.*

*August 2012 – August 2015*

Completed a project aimed at reconstruction of North American hydroclimate during the last 1500 years from a collection of proxy records of multiple types using a modified Regularized Expectation Maximization (RegEM) method.

#### ***Graduate Teaching Assistant***

*Department of Meteorology – The Pennsylvania State University – University Park, Pa.*

*January 2015 – May 2015*

Led, with another teaching assistant, two laboratory sections of the METEO 440W course ('Principles of Atmospheric Measurements'), which is the department's writing-intensive course for undergraduates. Prepared and set up laboratory equipment and apparatus, supervised students during laboratory sessions, graded narrative lab reports, held office hours, and addressed students' concerns.

### ***Student Researcher***

*National Weather Center REU Program – University of Oklahoma – Norman, Okla.*

*May 2011 – July 2011*

Performed research for a project entitled "Quantifying changes in extreme precipitation at Houston and Oklahoma City by 2041-2065 using the Canadian Regional Climate Model (CRCM)."

### **PROFESSIONAL SERVICE ACTIVITIES**

Coordinator for State of Florida, Community Collaborative Rain, Hail, and Snow (CoCoRaHS) Network, June 2016 – present.

Chair, Graduate Advisory Council, Department of Meteorology, The Pennsylvania State University, March 2013 – August 2015.

Member, (inaugural) Fundraising Committee, Northern Illinois University Student Chapter of the American Meteorological Society, October 2011 – May 2012.

Student Member, Admissions Policies and Academic Standards Committee, Northern Illinois University, October 2011 – May 2012.

Student Member, Committee on the Improvement of Undergraduate Education, Northern Illinois University, October 2011 – May 2012.

Member, Student Advisory Council, College of Liberal Arts and Sciences – Northern Illinois University, September 2011 – May 2012.

Local Coordinator for DeKalb County (Ill.), Community Collaborative Rain, Hail, and Snow (CoCoRaHS) Network, August 2011 – May 2012.

Weather Forecaster and Forecaster Scheduler, *Northern Star* student newspaper (Northern Illinois University), November 2010 – May 2012.

Director and Observer, National Weather Service Cooperative Weather Station, Northern Illinois University – Department of Geography, January 2010 – May 2012.

### **CONFERENCE PROCEEDINGS**

Brouillette, D.J., M.E. Mann, S.K. Miller, S. Rutherford, and B.A. Steinman, 2013: *Reconstruction of precipitation in North America over the last millennium using multiple proxies*. Poster, *Fall Meeting – Climate Variability from Multiple Reconstructions session*, San Francisco, American Geophysical Union.

Brouillette, D.J., T. Herman, R. Niesen, and A. Turchioe, 2012: *Extreme Thresholds Important to a Weather-Sensitive Decision Maker*. Poster, *Third-Annual Undergraduate Research and Artistry Day*, DeKalb (Ill.), Northern Illinois University.

Brouillette, D.J., T. Herman, R. Niesen, and A. Turchioe, 2012: *Extreme Thresholds Important to a Weather-Sensitive Decision Maker*. Poster, *First Undergraduate Research Days*, DeKalb (Ill.), Department of Geography – Northern Illinois University.

Brouillette, D.J., Y. Hong, and L. Liu, 2012: *Quantifying changes in extreme precipitation at Houston and Oklahoma City by 2041-2065 using the Canadian Regional Climate Model (CRCM)*. Poster, *24th Conference on Climate Variability and Change*, New Orleans, American Meteorological Society.

## **INVITED TALKS**

*My Experience and Research in the National Weather Center REU Program.* Joint Meeting of the NIU Student and Chicago Chapters of the American Meteorological Society, DeKalb, Illinois, 1 November 2011. Invited by NIU Student Chapter Vice-President Tim Herman.

## **AWARDS AND HONORS**

American Meteorological Society, *NOAA Climate Program Office Graduate Fellowship*, 2012-13, \$24,000 awarded over nine months.

Northern Illinois University College of Liberal Arts and Sciences, *Dean's Award for Meteorology*, May 2012, \$100 honorarium.

Phi Beta Kappa Society of Northern Illinois, *J. Roberts Hains Award*, April 2012.

Illinois Geographical Society, *Outstanding Senior in Geography*, April 2012, \$50 prize.

American Meteorological Society, *Named Undergraduate Scholarship: Bob Glahn Endowed Scholarship for Statistical Meteorology*, 2011-12, \$2500 awarded for one year.

Northern Illinois University Meteorology Program, *Jack Villmow Memorial Award for Outstanding Performance as Junior in Meteorology*, May 2011.

National Weather Association, *Arthur C. Pike Scholarship for Meteorology*, January 2011, \$1000 awarded at once.

American Meteorological Society, *Freshman (Entrance) Award and Scholarship*, 2009-11, \$5000 awarded over two years.

## **MEMBERSHIPS**

American Meteorological Society

## **REFERENCES**

References can be made available upon request.

*Last updated on 29 June 2016.*