

CURRICULUM VITAE

Heather M. Archambault

Contact information

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Education

- 2002 B.S. in Meteorology
 Minor in Global Business Strategies in the Earth, Energy, and Materials Industries
 Pennsylvania State University, University Park, PA
- 2005 M.S. in Atmospheric Science
 University at Albany/SUNY, Albany, NY
- 2010 Ph.D. in Atmospheric Science
 University at Albany/SUNY, Albany, NY

Professional experience

- 2002–present Graduate Research Assistant, University at Albany/SUNY
- 2002–2005 On-Air Weather Forecaster – Stand-in, WAMC radio, Albany, NY
- 2002 Intern Meteorologist, Aquila, Inc., Kansas City, MO
- 2001–2002 Forecast Apprentice, Weather Communications Group, Pennsylvania State University

Teaching experience

- 2008 Instructor, Synoptic Meteorology I, University at Albany/SUNY
- 2002–2005, 2009 Graduate Teaching Assistant, University at Albany/SUNY
- 2001–2002 Undergraduate Teaching Assistant, Pennsylvania State University

Professional activities

- 2002–present AMS, member
- Sep 2008 Session chair, 14th Cyclone Workshop, Saint-Adele, QC
- Aug 2008 Participant in THORPEX Pacific Asian Regional Campaign, Naval Postgraduate School, Monterey, CA

Refereed publications

Archambault, H. M., L. F. Bosart, D. Keyser, and A. Aiyyer, 2008: Influence of large-scale flow regimes on cool-season precipitation in the northeastern United States. *Mon. Wea. Rev.*, **136**, 2945–2963.

Archambault, H. M., D. Keyser, and L. F. Bosart, 2009: Relationships between large-scale regime transitions and major cool-season precipitation events in the northeastern United States. *Mon. Wea. Rev.* (in preparation).

Metz, N. D., H. M. Archambault, A. F. Srock, T. J. Galarneau, Jr., and L. F. Bosart, 2009: Preferential pathways for Southern Hemisphere extreme cold events. *J. Climate* (in preparation).

Nonrefereed publications

Archambault, H. M., 2005: Cool-season regime transition and its impact on precipitation in the northeastern United States. M.S. thesis, Department of Earth and Atmospheric Sciences, University at Albany, State University of New York, 163 pp.

Archambault, H. M., D. Keyser, L. F. Bosart, and A. Aiyyer, 2004: Cool-season regime transition and its impact on precipitation in the northeastern United States. Extended Abstracts, 1st THORPEX International Science Symposium, December 2004, Montreal, QC.

Archambault, H. M., L. F. Bosart, D. Keyser, and R. H. Grumm, 2004: Large-scale regime transition and its relationship to significant cool-season precipitation events in the Northeast. Preprints, 20th Conference on Weather Analysis and Forecasting, January 2004, Seattle, WA, CD-ROM, paper P1.8.

Invited presentations

- Jul 2006 Cool-season regime transition and its impact on Northeast precipitation. Second Annual Eastern United States Weather Conference, Baltimore, MD.
- Nov 2005 Cool-season regime transition and its impact on precipitation in the northeastern United States. 6th Southern New England Weather Conference, Brookline, MA.

Seminars

- Sep 2006 Cool-season regime transition and its impact on Northeast precipitation. National Centers for Environmental Prediction/Climate Prediction Center, Camp Springs, MD.
- Apr 2005 Cool-season regime transition and its impact on precipitation in the northeastern United States. University at Albany/SUNY, Albany, NY.

Additional selected presentations

- Jul 2009 Predictability associated with interactions between recurving West Pacific TCs and the extratropical large-scale flow. IAMAS–IAPSO–IACS Joint Assembly, Montreal, QC.
- Jun 2009 Predictability associated with interactions between recurving West Pacific TCs and the extratropical large-scale flow. 24th Conference on Weather Analysis and Forecasting, Omaha, NE.
- Sep 2008 Relationships between large-scale regime transitions and major cool-season precipitation events in the Northeast U.S. 14th Cyclone Workshop, Saint-Adele, QC.
- Sep 2008 Predictability associated with interactions between recurving West Pacific TCs and the extratropical large-scale flow. 14th Cyclone Workshop, Saint-Adele, QC.
- Apr 2008 Predictability associated with interactions between recurving West Pacific TCs and the extratropical large-scale flow. 28th Conference on Hurricanes and Tropical Meteorology, Orlando, FL.
- Nov 2007 Recurring typhoons as precursors to an early season Arctic outbreak over the continental U.S. 9th Annual Northeast Regional Operational Workshop, Albany, NY.
- Jun 2007 Interactions between recurving West Pacific tropical cyclones and the extratropical large-scale flow. 23rd Conference on Weather Analysis and Forecasting, Park City, UT.
- Mar 2007 Predictability of the January 22–24 2005 Northeast blizzard. 32nd Annual Northeastern Storm Conference (NESC), Springfield, MA.
- Oct 2006 Impacts of recurving West Pacific tropical cyclones on extratropical predictability in the Northern Hemisphere. 13th Cyclone Workshop, Pacific Grove, CA.
- Mar 2006 Cool-season regime transition and its impact on precipitation in the northeastern United States. 31st Annual NESC, Saratoga Springs, NY.

Honors and awards

- 2002 1st Place, Graduate Student Division and Overall, National Collegiate Weather Forecasting Contest (Cheyenne, WY)
- 2002 Joel N. and Peggy Myers Scholarship for Excellence in Weather Forecasting Pennsylvania State University, University Park, PA
- 2002 Chi Epsilon Pi National Honor Society