

Nicholas D. Metz
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Education

M.S., Atmospheric Science, Department of Atmospheric and Environmental Sciences,
University at Albany/State University of New York, May 2008 (Advisor: Dr. Lance
Bosart)

B.S., Meteorology, Department of Geography and Meteorology, Valparaiso
University, May 2004

Professional Experience

Instructor, University at Albany, 2009
-Atm 400-Synoptic Meteorology, Fall 2009

Research Assistant, Department of Atmospheric and Environmental Sciences,
university at Albany / State University at New York, Summer 2005, 2006, 2007;
Aug 2007-Aug 2009

Instructor, University at Albany, 2006
-Atm 100-The Atmosphere, Summer 2006

Teaching Assistant, Department of Atmospheric and Environmental Sciences,
University at Albany / State University at New York, 2004-2007
-Atm 321-Physical Meteorology, Spring 2005, 2006, 2007
-Env 327-Meteorological and Environmental Measurement, Spring 2007
-Geo 105-Introduction to Environmental Science, Fall 2006
-Atm 333-Mathematical Methods in Geophysics, Fall 2005
-Atm 305-Global Physical Climatology, Fall 2005
-Atm 100-The Atmosphere, Fall 2004

Other Education

Advanced Study Program Summer Colloquium, The Challenge of Convective
Forecasting, NCAR, July 2006

Educational Forum, "A Primer on Radar Analysis Techniques Used in Mesoscale
Meteorology", Albuquerque, NM 23 October 2005

Professional Affiliations

American Meteorology Society, 2004-present

Honors

Outstanding Student Oral Presentation, 17th Conference on Applied Climatology, 11-14 August 2008

Outstanding Student Poster Award, Severe Local Storms Special Symposium, 29 January-2 February 2006

Summa Cum Laude, Valparaiso University (Spring 2004)

Dean's List, Valparaiso University (Fall 2000, 2001, 2002, 2003, Spring 2001, 2002, 2003, 2004)

Pi Gamma Mu, Social Sciences Honor Society (2004)

Lumina Award Winner, Valparaiso University for high Academia Average (2003)

Chi Epsilon Pi, Meteorology Honor Society (2002)

National Merit Scholarship Commended Student (1999)

Thesis

Metz, N. D., 2008: Formation, evolution, and multiscale interactions associated with repeated strong mesoscale convective systems from 2 to 5 July 2003 during BAMEX. M.S. Thesis, Department of Earth and Atmospheric Sciences, University at Albany, State University of New York, 213 pp.

Refereed Publications

Metz, N. D., D. M. Schultz, and R. H. Johns, 2004: Extratropical cyclones with multiple warm-front-like baroclinic zones and their relationship to severe convective storms. *Wea. Forecasting*, 19, 907-916.

Other Publications

Metz, N.D. and L.F. Bosart, 2006: An examination of three derecho events during the first week of July 2003 concurrent with BAMEX, Severe Local Storms Special Symposium, Amer. Meteor. Soc., 29 January-2 February 2006, Atlanta, GA, CD-ROM, paper P1.31.

Metz, N.D., D.M. Schultz, and R.H. Johns, 2003: Extratropical cyclones with multiple baroclinic zones and their relationship to severe weather. National Weather Center Research Experience for Undergraduates, 2003 program publication.

Seminar Presentations

Metz, N. D., 2007: Derecho and MCS interactions during BAMEX. SUNY Albany, Albany, NY, 27 August 2007.

Metz, N. D., 2003: Extratropical cyclones with multiple baroclinic zones and their relationship to severe weather. SPC/NSSL, Norman, OK, 1 August 2003.

Conference Presentations

Metz, N. D., and L. F. Bosart, 2009: Maintenance of mesoscale convective systems over Lake Michigan. 13th Conference on Mesoscale Processes, 17-20 August 2009, Salt Lake City, UT.

Metz, N. D. and L. F. Bosart, 2009: Maintenance of mesoscale convective systems over the Great Lakes. 23rd Conference on Weather Analysis and Forecasting, 1-5 June 2009, Omaha, NE.

Metz, N. D. and L. F. Bosart, 2009: Maintenance of mesoscale convective systems over the Great Lakes. 34th Annual Northeastern Storm Conference, 6-8 March 2009, Springfield, MA.

Metz, N. D. and L. F. Bosart, 2008: Maintenance of a mesoscale convective system over Lake Michigan. 10th Annual Northeast Regional Operational Workshop, 5-6 November 2008, Albany, NY.

Metz, N. D. and L. F. Bosart, 2008: Maintenance and dissipation of mesoscale convective systems that encounter the Great Lakes. 24th Conference on Severe Local Storms, 27-31 October 2008, Savannah, GA.

Metz, N. D., H. M. Archambault, A. F. Srock, T. J. Galarneau, Jr., and L. F. Bosart, 2008: Preferential pathways for Southern Hemisphere cold surges. 14th Cyclone Workshop, 21-26 September 2008, Val Morin, QU.

Metz, N. D. and L. F. Bosart, 2008: A severe weather outbreak associated with a Great Lakes cutoff cyclone. 14th Cyclone Workshop, 21-26 September 2008, Val Morin, QU.

Metz, N. D., H. M. Archambault, A. F. Srock, T. J. Galarneau, Jr., and L. F. Bosart 2008: Preferential pathways for Southern Hemisphere cold surges. 17th Conference on Applied Climatology, 11-14 August 2008, Whistler, BC.

Metz, N. D. and L. F. Bosart, 2008: A severe weather outbreak associated with a Great Lakes cutoff cyclone. 33rd Annual Northeastern Storm Conference, 14-16 March 2008, Springfield, MA.

Metz, N. D. and L. F. Bosart, 2007: A severe weather outbreak associated with a Great Lakes cutoff cyclone. 9th Annual Northeast Regional Operational Workshop, 7-8 November 2007, Albany, NY.

Metz, N. D. and L. F. Bosart, 2007: Derecho and MCS interactions during BAMEX. 12th Conference on Mesoscale Processes, 6-9 August 2007, Waterville Valley, NH.

Metz, N. D. and L. F. Bosart, 2007: Derecho and MCS formation and interactions during BAMEX. 22nd Conference on Weather Analysis and Forecasting, 25-29 June 2007, Park City, UT.

Metz, N. D. and L. F. Bosart, 2006: Two derecho events and MCS interactions during BAMEX. 23rd Conference on Severe Local Storms, 6-10 November 2006, St. Louis, MO.

Metz, N. D. and L. F. Bosart, 2006: Derecho formation, evolution, and MCS interactions during BAMEX. 8th Annual Northeast Regional Operational Workshop, 1-2 November 2006, Albany, NY.

Metz, N. D. and L. F. Bosart, 2006: Derecho formation, evolution, and MCS interactions during BAMEX. 13th Cyclone Workshop, 23-27 October 2006, Pacific Grove, CA.

Metz, N. D. and L. F. Bosart, 2006: An examination of three derecho events and MCS interactions during the first week of July 2003 concurrent with BAMEX. 31st Annual Northeastern Storm Conference, 10-12 March 2006, Saratoga Springs, NY.

Metz, N. D. and L. F. Bosart, 2006: An examination of three derecho events during the first week of July 2003 concurrent with BAMEX. Severe Local Storms Special Symposium, 29 January-2 February 2006, Atlanta, GA. (poster)

Metz, N. D. and L. F. Bosart, 2005: An examination of three derecho events and MCS interactions during the first week of July 2003 concurrent with BAMEX. 7th Annual Northeast Regional Operational Workshop, 1-2 November 2005, Albany NY.

Metz, N. D. and L. F. Bosart, 2005: Radar representation of bow echo events during the first week of July 2003 concurrent with BAMEX. 11th Conference on Mesoscale Processes, 24-28 October 2005, Albuquerque, NM. (poster)

Metz, N. D. and L. F. Bosart, 2005: Observed bow echo events during the first week of July 2003 concurrent with BAMEX. 21st Conference on Weather Analysis and Forecasting, 1-5 August 2005, Washington D.C. (poster)

Metz, N. D., D. M. Schultz, and R. H. Johns, 2004: Extratropical cyclones with warm sector baroclinic zones and their relationship to severe weather. 2nd Annual Great Lakes Meteorology Conference, 2 Apr 2004, Chesterton, IN. (poster)

Metz, N. D., D. M. Schultz, and R. H. Johns, 2004: Extratropical cyclones with warm sector baroclinic zones and their relationship to severe weather. 20th Conference on Weather Analysis and Forecasting, 12-15 January 2004, Seattle, WA.