Curriculum Vita
Clark Evans

Personal Information

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Last Updated: 10 August 2018

DOB: 24 October 1983 (age: 34)

Education

2009 **Florida State University, Ph.D., Meteorology**

2006 **Florida State University, M.S., Meteorology**

2004 **Florida State University, B.S., Meteorology, Magna Cum Laude**
Minors: Physics, Mathematics

Professional Positions

2018 **Visiting Scientist**, NOAA/NWS/Storm Prediction Center, Norman, OK

2016-present **Associate Professor**, Univ. of Wisconsin-Milwaukee, Milwaukee, WI

2014-present **Atmospheric Science Program Chair**, Univ. of Wisconsin-Milwaukee, Milwaukee, WI

2013 **Visiting Scientist**, NCAR/Mesoscale and Microscale Meteorology Lab, Boulder, CO

2012 **Visiting Scientist,** NOAA/NWS/National Hurricane Center, Miami, FL

2011-2016 **Assistant Professor**, Univ. of Wisconsin-Milwaukee, Milwaukee, WI

2009-2011 **Postdoctoral Fellow**, UCAR/Advanced Study Program, Boulder, CO

2004 **Research Assistant**, FSU/Florida Climate Center, Tallahassee, FL

2003-2004 **Undergraduate Research Assistant**, Florida State Univ., Tallahassee, FL

Awards and Honors

2018 **Invited Participant**, Inaugural AMS Early Career Leadership Academy

2018 **Editors' Award**, *Monthly Weather Review* and *Weather and Forecasting*

2009 **First Place**, Ph.D. Poster Competition, American Meteorological Society 23rd Conf. on Weather Analysis and Forecasting/19th Conf. on Numerical Weather Prediction

2004 **Recipient**, American Meteorological Society Father James B. Macelwane Undergraduate Research Award

2004 **Recipient**, American Meteorological Society/Industry/Government Graduate Fellowship (Sponsored by the Office of Naval Research)

Peer-Reviewed Publications

(*italicized* = advised student)

A citation listing is available on my Google Scholar page. Publications in preparation are not listed.

Evans, C., S. J. Weiss, I. L. Jirak, A. R. Dean, and *D. S. Nevius*, 2018: An evaluation of paired regional/convection-allowing model-forecast vertical profiles in warm-season, thunderstorm-supporting environments. *Wea. Forecasting*, in review.

Nevius, D. S., and **C. Evans**, 2018: The influence of vertical advection discretization in the WRF-ARW model on capping inversion representation in warm-season, thunderstorm-supporting environments. *Wea. Forecasting*, accepted pending revisions.

Prince, K. C., and **C. Evans**, 2018: A climatology of extreme South American Andean cold surges. *J. Appl. Meteor. Climatol.*, accepted pending revisions.

Burlingame, B. M., **C. Evans**, and P. J. Roebber, 2017: The influence of PBL parameterization on the practical predictability of convection initiation during the Mesoscale Predictability Experiment (MPEX). *Wea. Forecasting*, **32**, 1161-1183.

Evans, C., and coauthors: 2017: The extratropical transition of tropical cyclones. Part I: cyclone evolution and direct impacts. *Mon. Wea. Rev.*, **145**, 4317-4344.

Grunzke, C. T., and **C. Evans**, 2017: Predictability and dynamics of warm-core mesoscale vortex formation with the 8 May 2009 "super derecho" event. *Mon. Wea. Rev.*, **145**, 811-832.

Keclik, A. M., **C. Evans**, P. J. Roebber, and G. S. Romine, 2017: The influence of assimilated upstream, pre-convective dropsonde observations on ensemble forecasts of convection initiation during the Mesoscale Predictability Experiment. *Mon. Wea. Rev.*, **145**, 4747-4770.

Karloski, J. M., and **C. Evans**, 2016: Seasonal influences upon and long-term trends in the length of the Atlantic hurricane season. *J. Climate*, **29**, 273-292.

Manion, A., **C. Evans**, T. L. Olander, C. S. Velden, and L. D. Grasso, 2015: An evaluation of Advanced Dvorak Technique-derived tropical cyclone intensity estimates during extratropical transition using synthetic satellite imagery. *Wea. Forecasting*, **30**, 984-1009.

Weisman, M. L., and coauthors, 2015: The Mesoscale Predictability Experiment (MPEX). *Bull. Amer. Meteor. Soc.*, **96**, 2127-2149.

Burghardt, B., **C. Evans**, and P. Roebber, 2014: Assessing the predictability of convection initiation across the High Plains using an object-based approach. *Wea. Forecasting*, **29**, 403-418.

Evans, C., D. F. Van Dyke, and T. Lericos, 2014: How do forecasters utilize output from a convection-permitting ensemble forecast system? Case study of a high-impact precipitation event. *Wea. Forecasting*, **29**, 466-486.

Evans, C., M. L. Weisman, and L. F. Bosart, 2014: Development of an intense, warm-core mesoscale vortex associated with the 8 May 2009 "super derecho" convective event. *J. Atmos. Sci.*, **71**, 1218-1240.

Weisman, M. L., **C. Evans**, and L. F. Bosart, 2013: The 8 May 2009 "super derecho": analysis of a realtime explicit convective forecast. *Wea. Forecasting*, **28**, 863-892.

Evans, C., and coauthors, 2012: The PRE-Depression Investigation of Cloud-systems in the Tropics (PREDICT) field campaign: perspectives of early career scientists. *Bull. Amer. Meteor. Soc.*, **93**, 173-187.

Evans, C., R. S. Schumacher, and T. J. Galarneau, Jr., 2011: Sensitivity in the overland reintensification of Tropical Cyclone Erin (2007) to near-surface soil moisture characteristics. *Mon. Wea. Rev.*, **139**, 3848-3870.

Evans, C. and R. E. Hart, 2008: Analysis of the wind field evolution associated with the extratropical transition of Bonnie (1998). *Mon. Wea. Rev.*, **136**, 2047-2065.

Hart, R. E., J. L. Evans, and **C. Evans**, 2006: Synoptic composites of the extratropical transition lifecycle of North Atlantic tropical cyclones: factors determining post-transition evolution. *Mon. Wea. Rev.*, **134**, 553-578.

Funded Grants and Proposals

2018-2020 **National Oceanic and Atmospheric Administration**
"Round 3 of R2O Initiative – NOAA Testbeds: Evaluation of GFS-FV3 Vertical Profile and Thermodynamic Environment Fidelity." NA18NWS4680062; $210,369; 9/1/18-8/31/20. Lead PI; co-PIs: S. Weiss and I. Jirak (NOAA/NWS/SPC).

2018-2019 **UWM Research Growth Initiative**
"A Climatology of Indirect Tropical Cyclone Interactions." $55,243; 7/2/18-7/1/19.

2017-2019 **National Oceanic and Atmospheric Administration**
"FY 2017 Joint Hurricane Testbed: Evolutionary programming for probabilistic tropical cyclone intensity forecasts. NA17OAR4590137; $199,527; 7/1/17-6/30/19. Co-PI; lead PI: P. Roebber.

2015-2018 **National Science Foundation**
"Collaborative Research: SI2-SSI: Big Weather Web: A common and sustainable big data infrastructure in support of weather prediction research and education in universities." ACI-1450439; $164,381; 8/1/15-7/31/18.

2015-2016 **Unidata Equipment Program**
"Deployment of AWIPS-II at the University of Wisconsin-Milwaukee." $11,908, 6/1/15-5/31/16.

2014-2017 **National Science Foundation**
"Numerical Assessment of the Practical and Intrinsic Predictability of Warm-Season Convection Initiation Using Mesoscale Predictability Experiment (MPEX) Data." AGS-1347545; $456,206; 6/1/14-5/31/17. Lead PI; co-PI: P. Roebber.

2012-2013 **UWM Graduate School Research Committee**
"An Assessment of Thunderstorm Development Forecast Successes and Failures from Very High Resolution Numerical Weather Forecasts." $12,611; 7/1/12-6/30/13.

2012-2013 **Unidata Equipment Program**
"Installation of RAMADDA, THREDDS, and LDM at UWM." $7,177; 6/1/12-5/31/13. Co-PI; lead PI: P. Roebber.

2011-2012 **COMET Partners Program**
"Extreme Precipitation Across the Tallahassee, FL NWS Forecast Area Associated with Tropical Storm Fay (2008): Physical Understanding and Ensemble-Based Forecast Utility." $9,990; 7/13/11-8/31/12. Lead PI; co-PI: D. Van Dyke (NOAA/NWS).

Teaching Experience

Upper- and graduate-level courses at UWM are typically offered once every two years. The year in which I last taught a given course is listed below.

2019	**Synoptic Meteorology II**	(Atm Sci 361, Univ. of Wisconsin-Milwaukee)
2018	**Synoptic Meteorology I**	(Atm Sci 360, Univ. of Wisconsin-Milwaukee)
2018	**Tropical Meteorology**	(Atm Sci 470, Univ. of Wisconsin-Milwaukee)
2017	**Num. Weather Prediction**	(Atm Sci 950, Univ. of Wisconsin-Milwaukee)
2017	**Mesoscale Meteorology**	(Atm Sci 460, Univ. of Wisconsin-Milwaukee)
2016	**First Year Seminar**	(Atm Sci 194, Univ. of Wisconsin-Milwaukee)
2014	**Survey of Meteorology**	(Atm Sci 100, Univ. of Wisconsin-Milwaukee)
2008	**Current Weather Discussion**	(MET 3520, Florida State University)

Advised Students

Graduate Students

2017-present	**Jesse Schaffer**	(M.S. expected Spring 2019; joint with P. Roebber)
2016-present	**Kevin Prince**	(M.S., 2018; Ph.D. expected Spring 2021)
2016-2018	**Aidan Kuroski**	(M.S.; now with NWS, Milwaukee/Sullivan, WI)
2016-2018	**David Nevius**	(M.S.; now with Delta Airlines, Savannah, GA)
2015-2017	**Caitlin Crossett**	(M.S.; now Ph.D. candidate, Univ. of Vermont)
2014-2016	**Alexandra Keclik**	(M.S.; now with NWS, Twin Cities/Chanhassen, MN)
2014-2016	**Bryan Burlingame**	(M.S.; now with Wantable, Inc., Milwaukee, WI)
2014-2016	**Caleb Grunzke**	(M.S.; now with NWS, Twin Cities/Chanhassen, MN)
2013-2015	**Juliana Karloski**	(M.S.; now with Space Center Houston, Houston, TX)
2012-2014	**Alex Manion**	(M.S.; now with NWS, Detroit/Pontiac, MI)
2011-2013	**Brock Burghardt**	(M.S.; Ph.D. 2017, Texas Tech Univ.)

I have also served on the dissertation or thesis evaluation committee for nineteen students at UWM (three Ph.D., sixteen M.S.).

Undergraduate Students

2018-present	**Giorgio Sarro**	(B.S. expected Spring 2020)
2010	**Dereka Carroll**	(as SOARS Research Mentor at NCAR)

I have also advised six undergraduate students on their senior Capstone projects and co-advised one high school student on introductory atmospheric data analysis.

Professional Service

National/International Service

2019-present **Editor**, *Monthly Weather Review*
2018-present **Vice-Chair**, AMS Committee on Weather Analysis and Forecasting
2018 **Rapporteur**, 9th WMO International Workshop on Tropical Cyclones
2018 **Organizer**, AMS Special Symposium on Impact-Based Decision Support Services
2017 **Member**, AMS 28th Conf. on WAF/24th Conf. on NWP Program Committee
2016-present **Member**, AMS Committee on Weather Analysis and Forecasting
2012, 2016 **Member**, AMS Max Eaton Award Selection Committee
2015 **Panelist**, 15th Annual AMS Student Conference
2015 **Member**, 17th Cyclone Workshop Science Committee
2014 **Member**, 8th WMO International Workshop on Tropical Cyclones Working Group
2013-2015 **Member**, AMS Weather Analysis and Forecasting Statement Revision Team
2013 **Panelist**, 1st Annual AMS Conference for Early Career Professionals
2012-2018 **Associate Editor**, *Monthly Weather Review*
2012 **Rapporteur**, 4th WMO International Workshop on Extratropical Transition
2010 **Member**, 7th WMO International Workshop on Tropical Cyclones Working Group
2010 **Member**, AMS 25th Conf. on Severe Local Storms Program Committee
2010 **Member**, AMS 29th Conf. on Hurricanes/Tropical Meteor. Program Committee

University Service

2018-2021 **Member**, UWM Information Technology Policy Committee
2017-present **Recruitment Ambassador**, UWM College of Letters and Science
2014 **Coordinator**, UWM StormReady Initiative
2012-present **UCAR Member Representative**, Univ. of Wisconsin-Milwaukee
2011-present **Local Manager**, WxChallenge Forecasting Competition
2011-present **Supervisor**, UWM Atmospheric Science Club

Department/Program Service

2017-present **Member**, UWM Dept. of Mathematical Sciences Undergraduate Committee
2017-2018 **Member**, UWM Dept. of Mathematical Sciences Strategic Planning Committee
2017-2018 **Member**, UWM Dept. of Mathematical Sciences Dept. Mgr. Search Committee
2017-2018 **Member**, UWM Dept. of Mathematical Sciences Merit Committee
2016-2017 **Member**, UWM Dept. of Mathematical Sciences Assessment Committee
2014-present **Member**, UWM Dept. of Mathematical Sciences Graduate Committee
2013-2014 **Chair**, UWM Dept. of Mathematical Sciences Event Organizing Committee
2011-2016 **Member**, UWM Dept. of Mathematical Sciences Colloquium Committee
2011-2016 **Member**, UWM Dept. of Mathematical Sciences Event Organizing Committee
2010-2011 **Organizer**, UCAR/NCAR/MMM 'Dynamics Happy Hour' Seminar Series
2009-2011 **Member**, UCAR/NCAR/ASP Seminar Organizing Committee

Public Service

2016-present **Trustee**, Village of Grafton Joint Library Board
2014-2015 **Member**, Village of Grafton Bicycle and Pedestrian Plan Committee

Journal and Proposal Reviewer

Bulletin of the American Meteorological Society
Climate Dynamics
Geophysical Research Letters
Journal of Applied Meteorology and Climatology
Journal of Climate

Journal of Geophysical Research-Atmospheres
Journal of Geophysical Research-Oceans
Journal of the Atmospheric Sciences
Monthly Weather Review
National Science Foundation
Quarterly Journal of the Royal Meteorological Society
Weather and Forecasting

Invited Colloquia and Seminars

2018 **NOAA/NWS/Storm Prediction Center**
"A Preliminary Evaluation of Paired Regional/Convection-Allowing Model-Forecast Vertical Profiles in Warm-Season, Thunderstorm-Supporting Environments"

2018 **Northern Illinois Univ., Dept. of Geography**
"The Rear-Inflow Jet Evolution of Idealized, Mature Mesoscale Convective Systems"

2018 **Greater Milwaukee Chapter of the AMS**
"The Harvey-Irma-Maria Hurricanes: An Atlantic Hurricane Season Retrospective"

2017 **St. Cloud State Univ., Dept. of Atmospheric and Hydrologic Sciences**
"The Rear-Inflow Jet Evolution of Idealized, Mature Mesoscale Convective Systems"

2016 **Lyndon State College, Dept. of Atmospheric Sciences**
"Understanding Trends in and Controls on Atlantic Hurricane Season Length"

2016 **Univ. of Wisconsin-Madison, Dept. of Atmospheric and Oceanic Sciences**
"On the Short- to Medium-range Predictability of Thunderstorm Formation"

2015 **Greater Milwaukee Chapter of the AMS**
"How do Forecasters Utilize Ensembles? Case Study of a High-Impact Event"

2014 **Central Michigan Univ., Dept. of Earth and Atmospheric Sciences**
"The Predictability of Mesoscale Convective Phenomena"

2014 **Omaha/Offutt Chapter of the AMS/NWA**
"How do Forecasters Utilize Output from a Convection-Permitting Ensemble Forecast System? Case Study of a High-Impact Precipitation Event"

2014 **Univ. of Georgia, Dept. of Geography**
"Oklahoma's Tropical Storm: The Curious Case of T.S. Erin's Inland Reintensification"

2013 **Greater Milwaukee Chapter of the AMS**
"Anatomy of a Superstorm: Birth, Evolution, and Impacts of Hurricane Sandy (2012)"

2012 **Univ. of Wisconsin-Milwaukee, Atmospheric Science Club**
Fall: "The 8 May 2009 'Super Derecho': A High-Impact Convective Event"
Spring: "A Primer on Numerical Weather Prediction and Ensemble Modeling"

2011 **Florida State Univ., Dept. of Earth, Ocean, and Atmospheric Science**
"A Unique Pathway to Tropical Cyclogenesis: Tropical Storm Erin (2007)"

2010 **Univ. of Wisconsin-Milwaukee, Dept. of Mathematical Sciences**
"A Unique Pathway to Tropical Cyclogenesis: Tropical Storm Erin (2007)"

2009 **NCAR, Mesoscale and Microscale Meteorology Division**
"The Thermodynamic Evolution of Recurving Tropical Cyclones"

2007 **Bermuda Institute of Ocean Sciences, RPI Research Update**
"Development of Anomalous Probability Forecasts for the Threat of Higher Latitude Hurricane Impacts**"**

Invited Workshops and Testbed Programs

2018 **Hazardous Weather Testbed Spring Forecasting Experiment (six times since 2011)**
NOAA/National Severe Storms Laboratory, Norman, OK

2012 **"Shaping the Development of EarthCube to Enable Advances in Data Assimilation and Ensemble Prediction" Workshop**
Unidata/National Science Foundation, Boulder, CO

2006 **"The Challenge of Convective Forecasting" Summer Colloquium**
UCAR/Advanced Study Program, Boulder, CO

Presentations *(advised student)*

2019

Prince, K., and **C. Evans**, 2019: A climatology of indirect tropical cyclone interactions in the Atlantic basin. *Abstract, Special Symposium on Mesoscale Meteorological Extremes: Understanding, Prediction, and Projection*, Phoenix, AZ, Amer. Meteor. Soc., TBD.

Schaffer, J., P. J. Roebber, and **C. Evans**, 2018: Using evolutionary programming to generate improved tropical cyclone intensity forecasts. *Abstract, 18th Conf. on Artificial Intelligence and its Applications to the Environmental Sciences*, Phoenix, AZ, Amer. Meteor. Soc., TBD.

2018

Evans, C., S. J. Weiss, and I. L. Jirak, 2018: A preliminary evaluation of paired regional/convection-allowing model-forecast vertical profiles in warm-season, thunderstorm-supporting environments. *Abstract, 29th Conf. on Weather Analysis and Forecasting/25th Conf. on Numerical Weather Prediction*, Denver, CO, Amer. Meteor. Soc., 10A.5.

Evans, C., S. J. Weiss, I. L. Jirak, A. R. Dean, and *D. S. Nevius*, 2018: An evaluation of paired regional/convection-allowing model-forecast vertical profiles in warm-season, thunderstorm-supporting environments. *Abstract, 29th Conf. on Severe Local Storms*, Stowe, VT, Amer. Meteor. Soc., 5.5.

Kuroski, A., and **C. Evans**, 2018: A preliminary investigation of the conditional practical predictability of the 31 May 2013 Oklahoma heavy-rain-producing mesoscale convective system. *Abstract, 3rd Symposium on Multi-Scale Predictability: Data-model Integration and Uncertainty Quantification for Climate and Earth System Monitoring and Prediction*, Austin, TX, Amer. Meteor. Soc., 367.

Kuroski, A., and **C. Evans**, 2018: An investigation of the conditional practical predictability of the 31 May 2013 heavy-rain-producing mesoscale convective system. *Abstract, 29th Conf. on Weather Analysis and Forecasting/25th Conf. on Numerical Weather Prediction*, Denver, CO, Amer. Meteor. Soc., P344592.

Kuroski, A., and **C. Evans**, 2018: An investigation of the conditional practical predictability of the 31 May 2013 heavy-rain-producing mesoscale convective system. *Abstract, 29th Conf. on Severe Local Storms*, Stowe, VT, Amer. Meteor. Soc., 6B.2.

Nevius, D. S., and **C. Evans**, 2018: The influence of vertical advection discretization in the WRF-ARW model on capping inversion representation in warm-season, thunderstorm-supporting environments. *Abstract, 29th Conf. on Weather Analysis and Forecasting/25th Conf. on Numerical Weather Prediction*, Denver, CO, Amer. Meteor. Soc., 12B.4.

Schaffer, J., P. J. Roebber, and **C. Evans**, 2018: Using evolutionary programming to generate improved tropical cyclone intensity forecasts. *Abstract, 72nd Interdepartmental Hurricane Conference*, Miami, FL, Natl. Oceanic and Atmos. Administration, 5.2.

Schaffer, J., P. J. Roebber, and **C. Evans**, 2018: Using evolutionary programming to generate improved tropical cyclone intensity forecasts. *Ext. Abstract, 33rd Conf. on Hurricanes and Tropical Meteorology*, Ponte Vedra Beach, FL, Amer. Meteor. Soc., 7B.5.

Schaffer, J., P. J. Roebber, and **C. Evans**, 2018: Using evolutionary programming to generate improved tropical cyclone intensity forecasts. *Abstract, 29th Conf. on Weather Analysis and Forecasting/25th Conf. on Numerical Weather Prediction*, Denver, CO, Amer. Meteor. Soc., 9A.4.

2017

Crossett, C., and **C. Evans**, 2017: An examination of the dynamics of a rear-inflow jet associated with an idealized mesoscale convective system. *Abstract*, *28th Conf. on Weather Analysis and Forecasting/24th Conf. on Numerical Weather Prediction*, Seattle, WA, Amer. Meteor. Soc., 10B.2.

Evans, C., and coauthors, 2017: The extratropical transition of tropical cyclones: cyclone evolution and direct impacts. *Abstract, 18th Cyclone Workshop*, Sainte-Adele, QC.

Grunzke, C., and **C. Evans**, 2017: Predictability and dynamics of warm-core mesoscale vortex formation with the 8 May 2009 "Super Derecho" event. *Abstract*, *28th Conf. on Weather Analysis and Forecasting/24th Conf. on Numerical Weather Prediction*, Seattle, WA, Amer. Meteor. Soc., 9B.3.

Schumacher, R. S., and coauthors, 2017: The legacy of the 2006 NCAR ASP colloquium, "The Challenge of Convective Forecasting," (a little more than) 10 years later. *Abstract, Lance Bosart Symposium*, Seattle, WA, Amer. Meteor. Soc., 306965.

2016

Crossett, C., and **C. Evans**, 2016: An examination of the dynamics of a rear-inflow jet associated with an idealized mesoscale convective system. *Abstract*, *28th Conf. on Severe Local Storms*, Portland, OR, Amer. Meteor. Soc., 15A.5.

Evans, C., T. L. Olander, C. S. Velden, and R. E. Hart, 2016: A proposed adjustment for the Advanced Dvorak Technique during extratropical transition. *Abstract*, *32nd Conf. on Hurricanes and Tropical Meteorology*, San Juan, PR, Amer. Meteor. Soc., 17C.3.

Evans, C., *B. Burghardt*, *B. Burlingame*, *A. Keclik*, and P. Roebber, 2016: On the short- to medium-range predictability of thunderstorm formation. *Abstract, Special Symposium on Seamless Weather and Climate Prediction: Expectations and Limits of Multi-Scale Predictability*, New Orleans, LA, Amer. Meteor. Soc., 2.2.

Grunzke, C., and **C. Evans**, 2016: Practical and intrinsic predictability of warm-core mesoscale vortex formation with the 8 May 2009 "Super Derecho" event. *Abstract, Special Symposium on Seamless Weather and Climate Prediction: Expectations and Limits of Multi-Scale Predictability*, New Orleans, LA, Amer. Meteor. Soc., 894.

Grunzke, C., and **C. Evans**, 2016: Practical and intrinsic predictability of warm-core mesoscale vortex formation with the 8 May 2009 "Super Derecho" event. *Abstract, 20th Severe Storms and Doppler Radar Conference*, Ankeny, IA, Central Iowa NWA, 7.1.

Grunzke, C., and **C. Evans**, 2016: Predictability and dynamics of warm-core mesoscale vortex formation with the 8 May 2009 "Super Derecho" event. *Abstract*, *28th Conf. on Severe Local Storms*, Portland, OR, Amer. Meteor. Soc., 13A.1.

Keclik, A. M., **C. Evans**, P. J. Roebber, and G. Romine, 2016: The influence of assimilated targeted observations upon ensemble forecasts of convection initiation during the Mesoscale Predictability Experiment. *Abstract, 28th Conf. on Severe Local Storms*, Portland, OR, Amer. Meteor. Soc., 11B.4.

Keclik, A. M., **C. Evans**, P. J. Roebber, G. Romine, and R. D. Torn, 2016: The influence of assimilating targeted observations upon ensemble forecasts of convection initiation. *Abstract, Special Symposium on Seamless Weather and Climate Prediction: Expectations and Limits of Multi-Scale Predictability*, New Orleans, LA, Amer. Meteor. Soc., 896.

2015

Burlingame, B. M., **C. Evans**, P. J. Roebber, G. Romine, and R. D. Torn, 2015: Planetary boundary layer parameterization's control on ensemble forecasts of convection initiation. *Abstract, 27th Conf. on Weather Analysis and Forecasting/23rd Conf. on Numerical Weather Prediction*, Chicago, IL, Amer. Meteor. Soc., 1B.5.

Evans, C., D. F. Van Dyke, and T. Lericos, 2015: How do forecasters utilize output from a convection-permitting ensemble forecast system? Case study of a high-impact precipitation event. *Abstract, 5th Conf. on Transition of Research to Operations*, Phoenix, AZ, Amer. Meteor. Soc., 818.

Grunzke, C., and **C. Evans**, 2015: A preliminary investigation into the practical and intrinsic predictability of the 8 May 2009 "Super Derecho" event. *Abstract, 17th Cyclone Workshop*, Pacific Grove, CA, 11.4.

Karloski, J. M., and **C. Evans**, 2015: Seasonal influences upon and long-term trends in the length of the Atlantic hurricane season. *Abstract, 27th Conf. on Weather Analysis and Forecasting/23rd Conf. on Numerical Weather Prediction*, Chicago, IL, Amer. Meteor. Soc., 4B.1.

Keclik, A. M., **C. Evans**, P. J. Roebber, G. Romine, and R. D. Torn, 2015: The influence of assimilating targeted observations upon ensemble forecasts of convection initiation. *Abstract, 27th Conf. on Weather Analysis and Forecasting/23rd Conf. on Numerical Weather Prediction*, Chicago, IL, Amer. Meteor. Soc., 1B.4.

2014

Burlingame, B. M., **C. Evans**, P. J. Roebber, G. Romine, and R. D. Torn, 2014: A preliminary investigation into the influence of initial condition and planetary boundary layer parameterization uncertainty upon the intrinsic predictability of convection initiation. *Abstract, 27th Conf. on Severe Local Storms*, Madison, WI, Amer. Meteor. Soc., 51.

Evans, C., and R. S. Schumacher, 2014: The influence of the low-level jet upon the overland reintensification of Tropical Storm Erin (2007). *Abstract, 26th Conf. on Weather Analysis and Forecasting/22nd Conf. on Numerical Weather Prediction*, Atlanta, GA, Amer. Meteor. Soc., 574.

Evans, C., and R. S. Schumacher, 2014: The predictability and dynamics of the overland reintensification of Tropical Storm Erin (2007). *Abstract, 31st Conf. on Hurricanes and Tropical Meteorology*, San Diego, CA, Amer. Meteor. Soc., 8D.8.

Keclik, A. M., B. M. Burlingame, **C. Evans**, P. J. Roebber, G. Romine, and R. D. Torn, 2014: A preliminary investigation into the practical predictability of convection initiation during the Mesoscale Predictability Experiment (MPEX). *Abstract, 27th Conf. on Severe Local Storms*, Madison, WI, Amer. Meteor. Soc., 64.

Manion, A., **C. Evans**, T. Olander, and C. Velden, 2014: An evaluation of Advanced Dvorak Technique-derived intensity estimate errors and biases during extratropical transition

utilizing synthetic satellite imagery. *Abstract, 31st Conf. on Hurricanes and Tropical Meteorology*, San Diego, CA, Amer. Meteor. Soc., 13C.2.

Manion, A., **C. Evans**, J. Sears, C. Velden, and T. Olander, 2014: An evaluation of Advanced Dvorak Technique-derived intensity estimate errors and biases during the extratropical transition of tropical cyclones. *Abstract, 26th Conf. on Weather Analysis and Forecasting/22nd Conf. on Numerical Weather Prediction*, Atlanta, GA, Amer. Meteor. Soc., 8.6.

2012

Burghardt, B., **C. Evans**, and P. Roebber, 2012: An investigation into the short-range predictability of convection initiation: model verification and case study analyses. *Abstract, 26th Conf. on Severe Local Storms*, Nashville, TN, Amer. Meteor. Soc., 15.3.

Evans, C., 2012: Factors influencing extreme precipitation associated with Tropical Storm Fay (2008) across north Florida and southwest Georgia. *Abstract, 30th Conf. on Hurricanes and Tropical Meteorology*, Ponte Vedra Beach, FL, Amer. Meteor. Soc., P1.9.

Evans, C., and R. E. Hart, 2012: The thermodynamic evolution of an extratropically transitioning cyclone. *Proceedings, 4th Intl. Workshop on Extratropical Transition*, Sainte-Adele, Quebec, World Meteor. Org., 4.2.

Evans, C., M. L. Weisman, and L. F. Bosart, 2012: Analysis of the development of the intense warm-core mesovortex associated with the 8 May 2009 central United States "Super Derecho" event. *Abstract, 26th Conf. on Severe Local Storms*, Nashville, TN, Amer. Meteor. Soc., 8B.6.

Evans, C., and coauthors, 2012: The PRE-Depression Investigation of Cloud-Systems in the Tropics (PREDICT) field campaign: perspectives of early career scientists. *Abstract, 30th Conf. on Hurricanes and Tropical Meteorology*, Ponte Vedra Beach, FL, Amer. Meteor. Soc., S1.3.

Evans, C., and coauthors, 2012: The PRE-Depression Investigation of Cloud-Systems in the Tropics (PREDICT) field campaign: educational perspectives of early career scientists. *Abstract, 21st Conf. on Education*, New Orleans, LA, Amer. Meteor. Soc., P108.

Van Dyke, D. F., **C. Evans**, and T. Lericos, 2012: Convection-resolving ensemble-based forecasts of extreme precipitation associated with landfalling tropical cyclones: assessment of skill and utility in the operational forecasting process. *Abstract, 30th Conf. on Hurricanes and Tropical Meteorology*, Ponte Vedra Beach, FL, Amer. Meteor. Soc., 5C.1.

Weisman, M. L., **C. Evans**, G. Romine, and K. Manning, 2012: The 29 June 2012 derecho: analysis of a 3 km WRF-ARW forecast and comparisons to the 8 May 2009 derecho event. *Abstract, 26th Conf. on Severe Local Storms*, Nashville, TN, Amer. Meteor. Soc., 8B.5.

2011

Carroll, D., and **C. Evans**, 2011: Model verification of intense mesoscale convective vortices at the surface: simulation of Tropical Storm Erin (2007). *Abstract, 10th Annual Student Conference*, Seattle, WA, Amer. Meteor. Soc., S92.

Cordeira, J. M., H. M. Archambault, K. S. Griffin, L. F. Bosart, and **C. Evans**, 2011: Early career scientist involvement in the PRE-Depression Investigation of Cloud-systems in the Tropics (PREDICT) field experiment. *Abstract, 36th Northeastern Storms Conference*, Taunton, MA.

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Professional Memberships & Honor Societies

2010-2012	American Geophysical Union
2005	Chi Epsilon Pi, Florida State University Chapter
2004	Phi Beta Kappa, Alpha Chapter of Florida
2003	National Society of Collegiate Scholars
2002-present	American Meteorological Society