

## 2010 - 2015

### Zachery Maye 2010

**National Weather Service WFO Memphis, Tennessee.**

I am currently the climate and GIS focal points for the office. I began my post-UNCA career as a climatologist for the US Air Force at the 14th Weather Squadron in Asheville.



### Amanda Bowen 2010

**General Forecaster with the National Weather Service.**

I forecast the weather for Northwest Oregon and Southwest Washington from the Cascade crest to the coast as well as the adjacent Pacific waters.

### Thomas Andrew Cook 2010

**Ph.D. student in Applied Mathematics, concentrating in Mathematical Physics, at UNC Charlotte.**

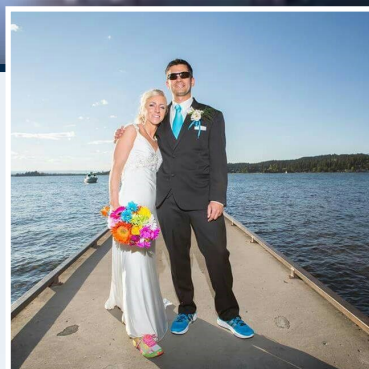
As a PhD student at UNCC, I am studying semigroups of differential operators and their role in the solutions of nonlinear ultrahyperbolic partial differential equations. I obtained my Masters degree from Appalachian State University in 2014. While there, I studied complex dynamics. In March 2014, I gave a presentation of my work, "On Newton's Method of Complex Cosine", at the Mathematical Association of America-Southeastern Conference at Tennessee Tech University.



### Luke Robinson 2010

**General Forecaster at the National Weather Service in Missoula, MT.**

I came to the Missoula WFO as an intern August 2011, and took a promotion as a general forecaster February 2013 and stayed. I started my career after graduation as a contractor with IBM at NCDC, from July 2010 until June 2011. At the time I was going through all of the Pacific Typhoons from the early 60s to the mid 90s. All they had were paper archives of the storms, I was going through them to have them scanned digitally for easier access.



### Gerald Satterwhite 2011

**Decision Support Meteorologist at Versar, Inc.**

I have just accepted a position with the National Weather Service office in Calera, AL. Up to this point, I have been working with Versar in Maryland as a Decision Support Meteorologist, contracted through Harris and the Department of Homeland Security. In this duty, I provide weather forecasts and decision support for eight aerostats lining the border from Arizona to Puerto Rico. My goal is to maximize flight time while preventing weather-related losses, minimizing potential damages, and ensuring personnel safety. I also lead online weather training for our clients and deliver on-site/field training.



### Chris Zarzar 2011

**PhD Candidate/Research Assistant in the Geosciences Department at Mississippi State University.**

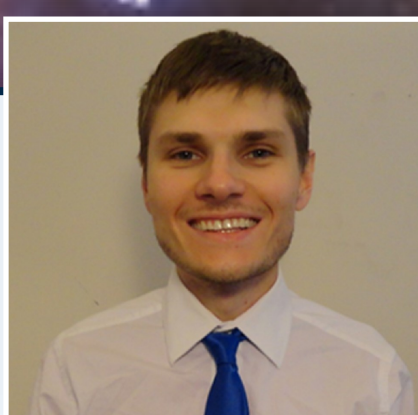
I am currently working on two projects: the first is the integration of unmanned aerial systems (UAS) in earth sciences research. We are working with the NOAA UAS program and are flying UAS to image stream networks over a coastal watershed. This information is incorporated into hydrologic models to provide more precise and accurate flood forecasts. The second project is developing a version of WRF on a laptop for the Army Research Laboratories. This work develops a system that weather officers can use in the combat field. This version of WRF produces not only a deterministic model, but also ensemble output that provides the weather officer some measure of uncertainty to help them make decisions in high stress situations. I remember my time at UNC Asheville every day, and I am so proud to be an alumnus of the Atmospheric Science program at UNC Asheville. I know that I would not be where I am today--a PhD candidate conducting cutting-edge research at a tier 1 research institution --without the opportunities and advisement I had at UNC Asheville. I will always be thankful for my professors at UNC Asheville who believed in me and supported me. My dream is to come back to UNC Asheville to contribute and be a part of such a wonderful program.



### Michael Goldsbury 2012

**Emergency Management Associate, IEM, Raleigh, NC.**

IEM is a consulting company that provides services in several areas related to disaster and emergency planning, although most of my work pertains to emergency management specifically. My work varies depending on what projects our clients want us to help them with. I've helped developed a risk assessment for Prince George's County in Maryland, done research on international emergency management systems for Persian Gulf States, and run a summer camp program for 4th and 5th graders. I recently returned from a work assignment in Boston, where I helped developed a bio-terrorism response plan for FEMA Region 1.



### Gustavo Mazza Riggio 2012

**Graduate research assistant and laboratory technician at the desert research institute in Reno, NV.**

I analyze air samples collected all over the world for particulate matter. As a graduate student I developed and applied a thermal/optical quadrupole mass spectrometer for analysis of major particulate matter constituents.



### Ashley Lauren Gunter 2012

**Continuity / Emergency Planner, Office of Environmental Health & Safety, East Carolina University.**

My position looks at the impacts of weather on people and a society, and determines ways to mitigate the effects, prepare for the disruption, respond to a disaster, and recover from crises. While I get to utilize my atmospheric sciences degree, emergency management deals with other types of hazards, including man-made and technological disasters. Some of my responsibilities include: emergency notification, hazardous materials response, business continuity planning, crisis communication, emergency operations planning, as well as disaster planning and preparedness. This job has afforded me the opportunity to travel to conferences to speak with other emergency managers and meteorologists, all hoping to build a Weather Ready Nation. Freshman year, I was enrolled in the Liberal Studies Introductory Colloquium titled "Weather & Society" taught by Dr. Christopher Godfrey. At the time, this course opened my eyes to the world of emergency management and other opportunities for atmospheric scientists. In my pursuit of a meteorology degree, I became passionate with the impacts of weather and disasters, more than the actual science. I can now say that Dr. Godfrey's class was the ignition of my passion; that freshman course has profoundly changed my career, future aspirations, and consequently, my life.



### Zachary Hargrove 2012

**Meteorologist Intern, National Weather Service, Bismarck, North Dakota.**

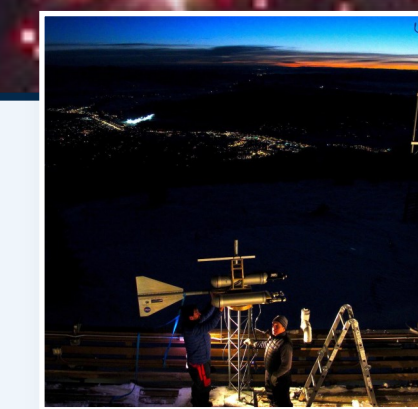
I am beginning year two of my career with the NWS after receiving my B.S. Atmospheric Science degree at UNCA and attending the University of North Dakota for graduate work, where I specialized in tornado maintenance research. During my first 6 months or so at the NWS, I focused mainly on training, observation quality control, and launching our daily weather balloons. Recently, I have been working operational forecasting shifts and have been working the radar/issuing warnings during severe weather events. I have also been involved in evaluating a new large hail parameter that should be implemented operationally across multiple offices in the near future.



### Robert David 2012

**PhD student with the Institute for Atmospheric and Climate Science at ETH Zürich.**

I recently completed my master's work at the Desert Research Institute in Reno, NV. My research examined the evolution of cloud microphysics in complex terrain under varying stability regimes. Currently, I am exploring the role of pore condensation and freezing on ice nucleation processes in the atmosphere.



### Joshua Whisnant 2012

**Hydrologist of USGS in Lawrence, KS.**

I monitor water levels in the Equus Beds aquifer and performs other various tasks for the USGS.

### Aurelia Baca 2012

**MS student at North Carolina State University, Raleigh, NC.**

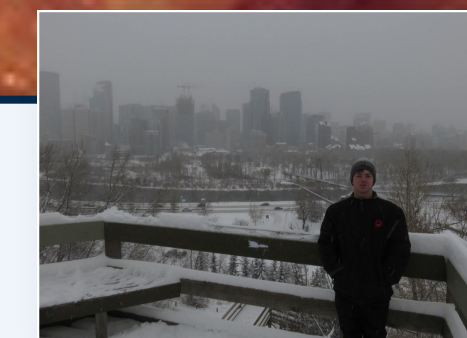
I am currently completing my Master's degree in Climate Change and Society at NCSU and work at work as a student assistant at the North Carolina State Climate Office. My research focuses on what future climate change impacts will have on the eastern United States forests.



### Daniel T. Martin 2012

**Trade Floor Meteorologist at GBE Fund.**

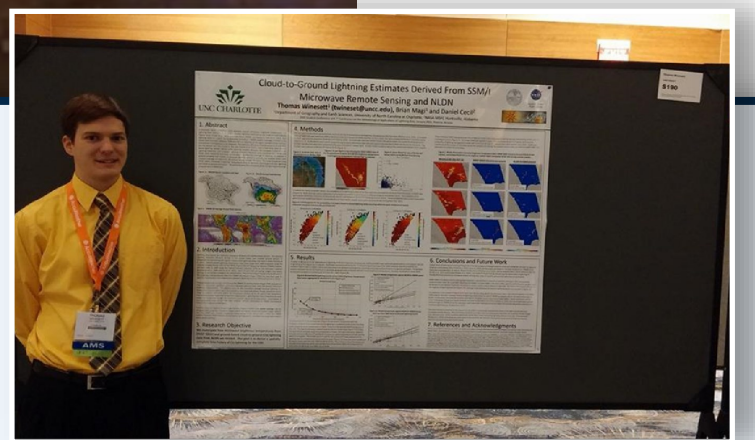
I moved to Calgary, Alberta in October 2014 and began working in early November. We are a small company of six employees who trade or assist with trade in the east coast power market PJM (Chicago, Ohio Valley, Mid Atlantic states). My role is to provide advance notice of any particularly eventful weather that may cause an unexpected increase or decrease in power demand. Outside of work I enjoy exploring downtown in addition to making weekend trips to the glorious Canadian Rockies. The rain shadow can be disappointing at times but impressive precipitation maxima are only a short drive away.



### Thomas Winesett 2013

**Former UNC Charlotte graduate student (graduated in May 2015 with MS in Earth Sciences - Meteorology).**

After graduating from UNC Asheville I obtained my masters degree from UNC Charlotte where I worked as both a teaching assistant and research assistant before graduating this past May. My research focused on using microwave remote sensing to estimate cloud-to-ground lightning over land for the contiguous United States with the potential for the relationship to be applied globally in order to create a global CG lightning climatology. I presented my research at the 2015 annual AMS conference in Phoenix, AZ. While at UNC Charlotte I also provided on-site decision support as a volunteer meteorologist with the Charlotte-Mecklenburg Emergency Management during large events in the Charlotte metro. I am currently in the process of finding a job.



### Stephanie Sine 2013

**Morning Meteorologist at WHAG News.**

I am the morning meteorologist at WHAG News in Hagerstown, MD and create daily forecasts for 16 different counties, stretching across Maryland, Virginia, Pennsylvania, and West Virginia, with the Appalachian Mountains cutting the area in half. I forecast for a few hours each morning (starting at 2 A.M.) and build all of my own graphics for the morning show. I also report live during severe and extreme weather events and it's my job to let the public know what to expect when they step out the door. I also broadcast during the noon show everyday. When I am not busy at work, I can be found enjoy my spare time at home with my cat, Yoda, and boxer puppy, Yaddle. Thanks so much to UNC Asheville and the ATMS professors for the opportunity to succeed in my field.



### Kathryn Jane Bost 2013

**Corporate Jet Pilot (Assistant chief pilot) at Mecum Auto Auctions, Walworth, WI.**

I began taking flying lessons two weeks after graduating from UNCA. After achieving my commercial pilots certificate, I worked as a flight instructor for 2 years. I recently became a First Officer flying a Cessna Citation 560XL for Mecum Auto Auctions out of Walworth, WI. I hope I eventually become a Captain at American Airlines or United Airlines. My background in meteorology from UNCA has been a huge help as a pilot. I frequently check TAFs, METARs, Area Forecasts, Radar summary charts, and upper air data for my flight planning. We cruise at an altitude of 45,000 feet which allows us the clear many of the tops associated with a cold front. Come fly with me at kjbost1@gmail.com!



### Candice Boling Jordan 2014

**First Alert Weekend Evening Meteorologist at WNCT in Greenville, NC / ECU Master's Student.**

I am a broadcast meteorologist who works on air presenting the weather Saturday and Sunday evenings. During the week, I collect data and create graphics for on air use. Each day brings something new as Eastern North Carolina provides a diverse and challenging climate. When not at WNCT, I spend my "weekend" in graduate school at East Carolina University pursuing a Master's in Geography with hopes of continuing a doctorate in the future. Since graduating from UNC-Asheville, I married my high school sweetheart of 7 years. My experiences at UNC-Asheville really set me up for success. Go bulldogs!



### Helen Holt 2014

**Weekend Meteorologist/Co-Anchor and Weekday Reporter in WWAY News Channel 3 in Wilmington, NC.**

As a weekday reporter, I cover crime, environmental, economical, and any type of feature stories. I write, shoot, and edit all pieces. As a weekend meteorologist, I analyze weather data to create my show then present the information live on the two evening newscasts. I also co-anchor on the morning and weekend evening newscasts and fill in for the morning and chief meteorologists as needed. I have been able to report live in the field during Hurricane Arthur and Tropical Storm Ana.



### Tiffany Maupin 2015

**Renewable Energy Forecasting Analyst--Vaisala**

I forecast wind/solar power for different power regions and site specific locations. Background work includes running statistical algorithms on NWP models to form the best forecast, communicating with clients about the products and features we provide, setting up new wind farm sites in the system, and writing code to process data as needed.



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