# UNIVERSITY of NORTH CAROLINA ASHEVILLE ATOMS ATOMS Alumni Change the World

# 2006 - 2009

# Kim Garrett 2006

Marine meteorologist, Aerospace and Marine International (based out of San Jose).

I currently work from home doing primarily offshore forecasting, as well as some ship routing/forecasting. Since 2009, I have been working in the marine forecasting field, my first job was with Weathernews in Norman, Oklahoma, where I worked from 2009-2011, and now with AMI, where I have been since late 2011. This

job has allowed me to work from home doing offshore forecasting, as well as getting to travel to Scotland for training and California. The biggest highlight of my career so far is helping with forecasts for the Costa Concordia salvage ops in 2012 and 2013.

#### 2006 **Stacy Porter**

Postdoctoral researcher in the ice core paleoclimatology group at Byrd Polar and Climate **Research Center, The Ohio State University.** 





#### Sarah Davis-Weaver 2007

Meteorologist for JCA - an environmental consulting firm in Dallas, Texas.

I received a master of science in atmospheric and oceanic sciences in May 2010 from the University of Wisconsin at Madison. At JCA, I have performed numerous short and long range air dispersion modeling studies and assisted in the preparation of air quality permits and regulatory air quality monitoring reports.

#### John Allard 2007

# Meteorologist, RaysWeather.Com, BRPWeather.Com

At Rays Weather and BRP weather, I conduct 7-day weather forecasts for western NC as well as areas along the Blue Ridge Parkway from NC north into Virginia. Previous experience includes serving as an air quality meteorologist, forecasting ground level ozone for South Carolina DHEC, and as an air quality consultant at various environmental consulting firms.



#### **Erica Sherese Little** 2008

Area Coordinator for Residential Life Operations, Scripps College, Claremont, CA.

I work collaboratively with other professional staff overseeing the operations of Opening and Closing; Early Returns, Summer Housing, Room Selection, Specialty Housing Placement, and maintaining the Residential Life Website. I build and strengthen community for student

residents, serve in Tier 1 On-Call rotation, and as a Campus Judicial Hearing Officer. I earned a Master of Science (M.S) in Higher Education Administration from Drexel University in June 2012, and I am expecting a Doctorate of Education (Ed.D) in Organizational Leadership from Pepperdine University in May 2016.

**Gregory Cutrell** 2008 Project Scientist, LimoTech.



I use ice cores from all around the world to study Earth's climate history. By investigating the past behavior of

large-scale atmospheric and oceanic oscillations, such as ENSO and the NAO, the manner by which these phenomena are altered by recent climate change can be elucidated. Our most recent expedition was to the Quelccaya ice cap in the Peruvian Andes, a region heavily influenced by El Nino events. We drilled a shallow ice core, documented extensive glacial retreat in the area, and collected ancient plants once preserved in the glacial ice and now exposed.

#### **Grant Gilmore** 2006

# Chief Meteorologist at WFMY News 2, Greensboro, NC.

I formulate and deliver the forecast for WFMY News 2's 5, 5:30, 6 and 11 pm newscasts. I have covered everything from major tornado outbreaks, crippling winter storms to devastating hurricanes, including Hurricane Sandy. Most notably I received an Emmy in 2015 for my coverage of the 2014 Valentine's Day Snowstorm that impacted nearly all of North Carolina.

#### 2007 **Brandon Cromer**

U.S. Air Force Reserves - Director of Weather Operations, 5th Operational Weather Flight, Shaw Air Force Base, SC.

I issue Watches, Warnings, and Advisories for various Air Force bases, weather briefings, aviation forecasting (writing TAFs, turbulence & icing), weather observations, tropical weather forecasting & research

(53rd Weather Recon Squadron - Hurricane Hunters), fire weather support, supported F-16 squadron and integrated weather forecasting into mission planning.



I have been working with NOAA for over 10 years, starting as an

#### Jacob Carley 2008

Support Scientist at IM Systems Group and NOAA/ **NWS/NCEP Environmental Modeling Center.** 

I work on high resolution numerical weather prediction systems, with an emphasis on data assimilation. These systems provide

weather forecasts for the entire United States and territories multiple times a day and are especially valuable in situations where high-impact weather events are anticipated (severe storms, hurricanes, winter weather, dangerous heat, etc.). UNCA's Atmospheric Science program really provided a wonderful foundation for setting the stage for my current career through careful guidance and undergraduate research which helped enable me to obtain an undergraduate internship at the Environmental Modeling Center during the summer of 2007. The impact of this internship lasted throughout my PhD studies at Purdue University (finished in 2012) and ended up helping me secure my current job.

# Megan (Stone) Hutchins 2008

Climatologist for the United States Navy (civil service) at the Fleet Numerical Meteorology and Oceanography Center in Monterey, California.

I am currently the senior climatologist and civilian team lead for the Climatology and Warfighting Support Division. My job is the ensure

that United States military services and intelligence agencies are integrating the most state-of-thescience climatological and historical weather analyses into their mission planning and real-time operations.

#### Megan Graham 2008

**Emergency Manager - Jacksonville Fire Rescue Department,** Jacksonville, FL.

As an emergency manager we prepare for man made and natural disasters. As a meteorologist, I can see the natural disasters on a

larger scale both from the meteorological and emergency manager perspective. Some of my responsibilities include writing plans, social media, public education and outreach to the community and public information officer. I have worked in the Emergency Operations Center for



tasks have included deploying nine weather/wave buoys and process/analysis data for both buoy and eddy covariance stations located in the Great Lakes. Being apart of a company with a wide range of work, I have worked on projects that include obtaining and monitoring water quality samples within municipalities as well as at Lake Erie public water intakes. Seen above is a buoy we assembled and deployed 5 miles from Cleveland, OH. The live weather/water data for this buoy can be found athttp://greatlakesbuoys.org/station page.php?station=45169.

#### Jennifer Hibbert 2009

**Operations Manager for Fugro GEOS Marine Weather** Forecasting in Singapore.

Running a 24/7 weather forecasting operation to provide offshore marine forecasts to vessels and rigs across Asia Pacific. When required, I go offshore as a senior marine forecaster, the past year was on-site in the South China Sea for floatover topside installations I manage a team of 6 non-native English speakers from around the world. I also copy-edit the quarterly company newsletter and am the chief first aider in our Singapore office. I am an organizer and



backer of the annual Hootenanny Reunion, a camping festival outside Asheville with my class from UNCA. I am also an avid traveler, roller skater, and Formula 1 trackside flag marshal.



## PhD candidate at SUNY Albany, Albany, NY.

As part of my dissertation, I am working with dropsonde and satellite data to examine the impacts of vertical wind shear

and dry air on convection in tropical disturbances. My masters thesis focused on using dropsondes to look at the evolution of kinematic and thermodynamic fields in tropical disturbances. I've also had the opportunity to participate in a number of hurricane field campaigns as a forecaster.





intern while a student at UNCA. I now work in climate monitoring where we provide data and services to a wide range of customers. My job is to put recent U.S. climate conditions and significant



events into historical perspective to help the world better understand how our climate is changing. I am also the media spokesperson for this work, regularly appearing on national media outlets including The Weather Channel, NBC Nightly News, NPR, and the Associated Press, among others.

#### **Robbie Munroe** 2007

Meteorologist Intern, national Weather Service, Oxnard/LA, CA office.

I am a PhD candidate in Coastal Resource Management at East Carolina University. My dissertation examines the climatology of storm surge in Duck, North Carolina. While finishing up I have recently started working with the National Weather Service in Oxnard/LA, CA.

### Hurricane Irene, Hurricane Sandy, Deepwater Horizon Oil Spill, Haiti Earthquake, High Profile Trials, Tornadoes, City of Jacksonville special events including Jacksonville Jaguars Games and most recently a homicide case.

#### **Elizabeth King** 2008

**Energy Resource Engineer at Renewable Energy Systems** (RES) Americas.

I analyze meteorological data from masts installed on potential wind energy sites. After making predictions of the wind speed at hub height for the entire site, I create a wind turbine layout and estimate the energy production.

#### **Amy Harless** 2008

**Research and Development Meteorologist at** NOAA/NWS/NCEP/Aviation Weather Center.

I am a research and development meteorologist working in

the Aviation Support Branch at the Aviation Weather Center. My main responsibilities include data flow support, data display, decision support tools, and testbed activities. Additionally, I am a fill-in forecaster on the operational Convective Sigmet forecast desk. The image provided was taken during the 2015 Aviation Weather Testbed Summer Experiment. AWC hosts participants from the National Weather Service, international weather agencies, FAA, industry, and academia to test out new forecasting techniques, data displays, and forecast guidance.

#### **Chad Hutchins** 2008

Meteorologist at U.S. Naval Research Laboratory, Marine Meteorology Division, Monterey, CA.

As a meteorologist in the Decision Systems section my job is to develop new systems or integrate into existing systems,

meteorological or oceanographic data to enable our military to make better and more informed decisions based on the weather. Working in this job, I have learned that the meteorology field goes way beyond forecasting. Knowing the weather can keep our troops from being detected by

#### Anna Wilson 2009

# PhD Candidate at Duke University.

I am working towards my PhD in Environmental Engineering with Dr. Ana Barros at Duke University. My topic is investigating microphysical processes at low levels in complex terrain, primarily in the Southern Appalachians.







# Lieutenant in the NOAA Commissioned Officers Corp.

NOAA Corps officer manage and operate NOAA's research platforms around the world and specialize in data collection. Since joining the NOAA Corps, I have charted the coast lines of remote areas in Alaska, surveyed air and shipwrecks in two oceans, deployed Tropical Oceanic and Atmospheric buoys along the equator, flew numerous oil observer missions in Deepwater Horizon, and I have collected air samples and launched ozonesondes at South Pole Station. Right now, I'm assigned to the National Weather Service's Ocean Prediction Center. My assignments have been exciting and diverse and I'm looking forward to the next adventure NOAA Corps sends my way!



#### Michael Erb 2007

Postdoctoral Fellow, Institute for Geophysics, University of Texas at Austin.

I conduct research on the causes of past climate change. Over the past several million years, the Earth has gone in and out of cold glacial periods. Using sophisticated climate

models, I study the forcings that have influenced this change: variations in the Earth's orbit, differences in atmospheric composition, and changes in vast ice sheets. In my spare time, I write fiction books to get kids interested in weather and science. My first book, Kelvin McCloud and the Seaside Storm (sold at Amazon.com), is a weather-themed murder mystery, in which the main characters investigate the case of a wealthy banker who died in a hailstorm.

#### Danielle Dozier 2007

# Broadcast meteorologist, WXIN-TV, Fox 59 Indianapolis, IN.

I present daily weather on television and storm chase when applicable. I have been in the business for more





