



Prevailing Winds

DECEMBER, 2022

Outreach to Underserved Populations

by Rodney Chai, Meteorologist

and Glenn Field, Warning Coordination Meteorologist

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Spanish-speaking community

During the summer of 2022, NWS Boston partnered with NBC Boston Telemundo TV meteorologist Cecy del Carmen to increase outreach efforts to the Spanish-speaking communities across southern New England. We recognize that there is a large percentage of the population in the region that does not speak English as their first language and that puts them at risk when it comes to receiving and understanding critical information about potentially significant weather,

For that reason, we have implemented a Spanish version of the automated Tweets that are sent anytime we issue a Severe Thunderstorm, Tornado, or Flash Flood Warning. We also have posted weather safety messages in Spanish during severe weather and hurricane preparedness weeks.



Example of Graphics Included with Tweets For Severe Thunderstorm Warnings



Outreach to Underserved Populations (continued)

Deaf and Hard of Hearing community

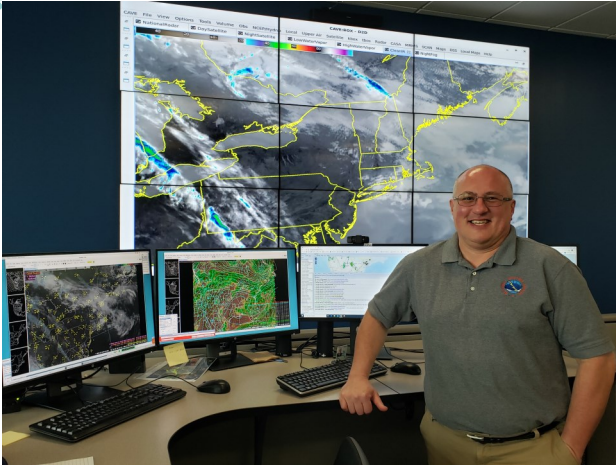
Forecaster Bryce Williams and Warning Coordination Meteorologist Glenn Field have hopes of bringing Skywarn weather spotter training to a new level this spring. We have been in contact with both the Rhode Island and Massachusetts Commissions for the Deaf and Hard of Hearing and are working on trying to hold a couple of sessions with interpreters.

NOAA's traditional motto, "When Thunder Roars, Go Indoors" has helped countless people understand how to protect themselves from lightning during a dangerous thunderstorm. However, as NWS meteorologist Jen Saari recently learned during community outreach in Huntsville, Alabama, this slogan doesn't resonate with everyone – especially those who can't hear. That motto is built around the simple premise of hear a weather threat (thunder), take action (go inside to safety). Upon realizing there was a gap in NOAA's lightning safety effort, Saari and colleague Trevor Boucher got to work, expanding partnerships with Deaf and Hard of Hearing organizations and within the agency to solve the problem.

The result was a campaign slogan based on sight rather than sound. Under the guidance of experts at Gallaudet University, NOAA has produced a national video public service announcement (PSA) to promote the new safety guidance for the Deaf and Hard of Hearing. The PSA features Daisy Rivenbark, a deaf services specialist with the North Carolina Department of Health and Human Services. Rivenbark, herself deaf, signs important information about lightning safety throughout the video to promote a more helpful tip to remember: "When you see a flash, dash inside!"

<https://www.youtube.com/watch?v=uU1IO1S15e4>

Stay tuned for further announcements on our website (weather.gov/boston), as this goal hopefully comes to fruition in the spring.



MIC Musings: The Only Constant is Change

by Andy Nash
Meteorologist in-Charge, NWS-Boston

I felt that the title for this article was very appropriate to describe the past year here at NWS Boston in many ways. First, we have moved out of strict COVID restrictions regarding how we operate, and we are again

welcoming visits by our partners and even a school group or two. We have had additional changes to our staffing. We had a Lead Meteorologist retire at the start of the year and our Electronics System Analyst retires at the end of the year. We promoted one of our Meteorologists to a Lead Meteorologist and a second meteorologist was also promoted, but it involved them going to another office (our loss is their gain). We also hired a new Meteorologist. Early this summer we completed a major change to the underlying servers that make up our AWIPS system. Not that it was really noticeable outside the office, but it took considerable time for our IT folks to work through all the unexpected problems that came with that. As part of a 5 year long project to replace components of our radar to ensure that it continues to work seamlessly into the 2030s, the emergency generator was replaced this fall. That is a critical part of the radar, as without a working generator available, the radar cannot operate. Lastly, we made the decision to decommission the automated weather system (ASOS) we had installed on Blue Hill. It had been powered down since the Fall of 2021 due to major renovations at the Blue Hill Observatory.

On the side that is most visible to the public, we continued to apply the latest scientific techniques to our warning forecast and warning services, including incorporating in the [National Blend of Models \(NBM\)](#) as our starting point for creating the forecasts. Those of you who read our [Forecaster's Discussions](#) routinely have seen the NBM mentioned quite often.

As we look forward to 2023, the pace of change will not stop. We expect that we will have a new Upper Air Observation facility, where we will launch weather balloons, built somewhere on Cape Cod to replace the one we had to close in 2021. There will be changes to how river level observations and forecasts will be displayed via our website, which will provide many enhanced features to display and evaluate the data. Lastly, for those who did not know, [Ken Graham](#) was hired over the summer as our new NWS Director. We are excited to have him as Director, and he has already laid out his top 10 goals for the agency to achieve over the next couple of years. Many of those goals are directly related to providing even better products and services to emergency managers, media and the general public all to better meet our mission of protecting life and property through provision of timely weather, water and climate data/forecasts/warnings.

I hope that each of you will notice continued improvements through the course of 2023 in the products and services provided by the hard working and very motivated staff here at NWS Boston as well as the rest of the NWS.

Congrats! Co-Op Observer for 60 years!

by Rodney Chai, Meteorologist

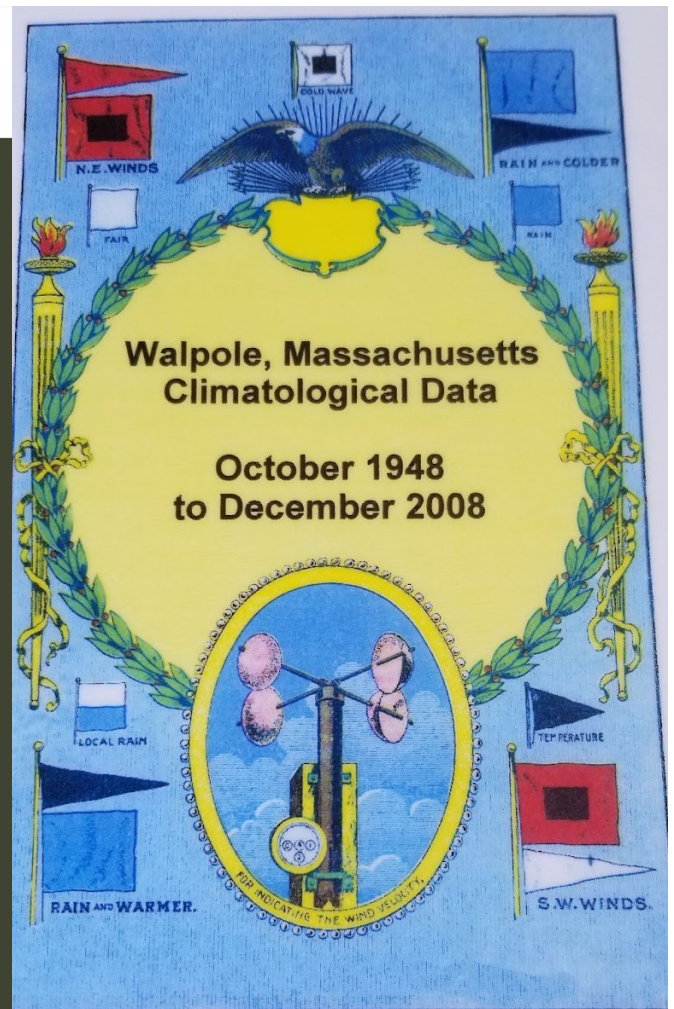
In June 2022, Bill Simpson and Rodney Chai visited John Anderson of Walpole, who has been a Co-operative observer for over 60 years. John is a highly dedicated Co-op observer who has gone above and beyond in providing stellar service to the NWS, even maintaining his own local climatology for Walpole. NWS Boston is extremely fortunate to have him as our observer and were very proud to have presented him his 60-year award in October, 2022!! Congratulations and many thanks!!



US National Weather Service Boston MA

Published by Myles Standish · Yesterday at 11:18 AM ·

We would like to congratulate one of our longest-serving CO-OP Observers, John A. on 60 years of service! Thank you for all that you do, John! 🎉👏



Left: Bill Simpson, NWS –Norton
Center: John Anderson, Walpole
Right: Rodney Chai, NWS-Norton

NWA Annual Meeting:- Pittsburgh, PA

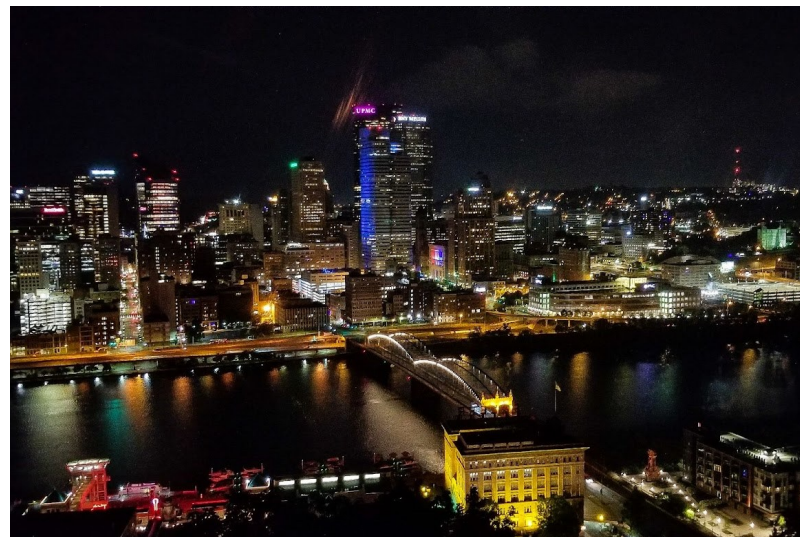
Presentations on the November 2021 Northeast Tornado Outbreak and January 2022 Southern New England Blizzard

Rodney Chai, Meteorologist
Hayden Frank, Lead Meteorologist

Lead Meteorologist Hayden Frank and Meteorologist Rodney Chai represented NWS Boston at the 2022 National Weather Association (NWA) Annual Meeting in Pittsburgh, PA. They presented a couple of posters (now called "Showcases") — on the November 13, 2021 tornado outbreak in the Northeast and also the January 28-29, 2022 Southern New England Blizzard. This year's NWA was facilitated primarily through the Whova app, which allows participants to engage with one another, whether they were attending in-person or virtually. In addition, the traditional poster session became Showcases, which allows for more presentation options and opportunities to engage with NWA participants. Rodney and Hayden had a very productive time networking and learning about the latest developments in operational meteorology.



Rodney Chai (left) and Hayden Frank (right)



Pittsburgh, PA skyline

Review of November 13, 2021 Tornado Outbreak

A highly unusual late-season tornado outbreak occurred in the northeastern United States on November 13, 2021. A total of 11 tornadoes (9 EF-0 and 2 EF-1) touched down in Connecticut, Rhode Island, and on Long Island, New York. These were the first November tornadoes on record reported in Connecticut and Rhode Island dating back to 1950.

The tornadoes formed in a low CAPE (Convective Available Potential Energy), high shear environment, typical for a late-season outbreak. Impressive dynamics, including sufficient 0-3 km CAPE, 0-1 km shear, and steep mid-level lapse rates helped overcome the lack of near-surface moisture - dew points initially were only in the lower 40s! In addition, anomalously warm sea surface temperatures that were 2 to 4 degrees Celsius above normal allowed for deeper moisture to work northward. The development of a mesoscale low pressure center, along with dew points in the mid 50s along the south coast, made a huge difference in the amount of low level instability and subsequent tornadogenesis. The ocean normally acts as an inhibitor of convection, but sometimes it can actually enhance it during the fall since it becomes a heat/moisture source.

November 13, 2021 Tornado Outbreak In the Northeast

Confirmed Tornadoes – November 12-13, 2021			
Preliminary Information from NWS Storm Surveys			
Tornado Rating	Path Length	Track	Counties
Saturday November 13, 2021			
EF-1	3.5 miles	Shirley NY to Manorville NY	Suffolk NY
EF-1	1.35 miles	Stonington CT to Westerly RI	New London CT Washington RI
EF-0	6.13 miles	Plainfield CT to Foster RI	Windham CT Providence RI
EF-0	3.5 miles	Remsenburg NY to Westhampton NY	Suffolk NY
EF-0	3.5 miles	Cheshire CT	New Haven CT
EF-0	1.94 miles	Branford CT	New Haven CT
EF-0	1.5 miles	North Kingston RI to Wickford RI	Washington RI
EF-0	1.3 miles	North Bellport NY	Suffolk NY
EF-0	0.51 miles	East Islip NY to Oakdale NY	Suffolk NY
EF-0	n/a	Multiple brief touchdowns in Woodmere NY, Uniondale NY and Levittown NY	Nassau NY
EF-0	tbd	Hampton Bays NY to North Sea NY	Suffolk NY
Friday November 12, 2021			
EF-1	2.5 miles	Town of Washington (near Millbrook) NY	Dutchess NY



Photos: NWS Boston SkyWarn @WX1BOX

Review of January 28-29, 2022 Blizzard

The winter of 2021-2022 will be remembered for the Blizzard of January 2022. The January 28-29, 2022 blizzard was one of the most impactful winter storms for southern New England in recent years. Boston, MA tied the all-time record for daily snowfall with 23.6 inches, and Providence, RI broke the all-time record for daily snowfall with 18.8 inches. Snowfall rates were as high as 2 to 4 inches per hour and, with the near-hurricane force wind gusts, this created nearly impossible travel conditions. The heavy wet snow that fell on Cape Cod and the Islands resulted in hundreds of thousands of power outages.

NWS Boston provided highly effective briefings to core partners by providing detailed information, such as hourly snowfall rates and timing of blizzard conditions. This allowed partners at the Massachusetts Emergency Management Agency, Massport (which operates Logan Airport), and other agencies to make more informed decisions when deploying their resources in advance of the storm. The office also harnessed the power of social media leading up to this very impactful storm, reaching over two million users on Meta (i.e., Facebook) and 7.8 million users on Twitter.

January 28-29 2022 Southern New England Blizzard

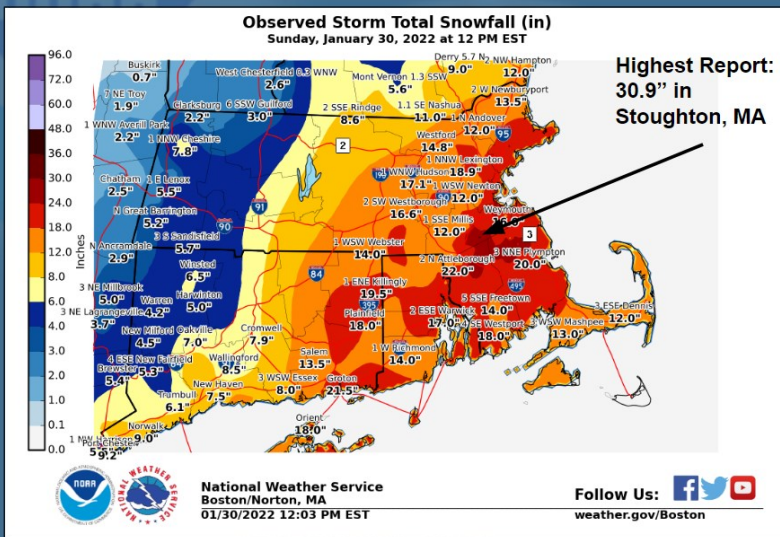
**NWS Boston/
Norton:**
29.1"

Boston:
23.6"

Providence:
18.8"

Worcester:
14.7"

Hartford:
6.8"



NWS Boston/Norton



NWS-Boston Conducts Multi-Agency Hurricane Tabletop Exercise

by Glenn Field, Warning Coordination Meteorologist

NWS-Boston/Norton (WFO BOX) conducted a very successful multi-agency hurricane tabletop exercise (TTX) – the first of its kind for the WFO. The TTX took place on May 24, 2022, both virtually and in person, with players located at the MA, RI, and CT State Emergency Management Agencies (EMAs), FEMA Region I, the U.S. Coast Guard, and U.S. Army Corps of Engineers. The National Hurricane Center (NHC) sent Brad Reinhart to the RI EMA. WFO BOX Lead Forecaster, Frank Nocera, worked tirelessly for nearly a year and took the lead at organizing this event.

Frank first worked with state EMAs to decide exactly what they wanted to exercise. The scenario was a Category 3 hurricane that made landfall in southern New England, similar to Hurricane Carol in 1954. The initial long-range forecasts had it weakening as it moved inland across northern New Jersey. Successive advisories trended eastward and faster and thus it maintained its strength. Of course, there was saturated soil from a predecessor rain event and it was Labor Day weekend. The name was Hurricane Thompson, paying homage to NWS-Boston's retired MIC Bob Thompson.

With enough lead time, Frank was able to enlist the help of NHC to develop a whole suite of realistic products, as they would appear on their website in a real hurricane. He coordinated with the Weather Prediction Center (WPC) and they produced all of the rainfall graphics and Excessive Rainfall Outlooks used in the exercise. He also worked with the National Water Center (NWC) to produce the new Flood Hazard Outlook for each of the five advisories. He enlisted the help of Service Coordination Hydrologist (SCH) Jason Elliott from the Northeast River Forecast Center, with some help from WFO Albany Service Hydrologist Britt Westergard, and produced all of the river hydrographs used in the scenario. WFO BOX ITO, Jim Notchey, with content info suggestions from staff members, built a website that was used during the scenario. It included reference material for the players, such as the latest USACE hurricane evacuation maps for MA, RI, and CT (Zone A is based on Cat 1 & 2 hurricanes; Zone B for Cat 3 & 4 hurricanes). Frank also coordinated with Karen Townsend of Sea Island Software, Inc. and Paul Morey, Hurricane Program Leader at FEMA Region I to get the Hurricane Thompson exercise built into the "Exercise Storms" section of Hurrevac!



NWS staff at the Rhode Island Emergency Management Agency: (from left to right): Torry Gaucher, Forecaster at NWS-Boston/Norton; Frank Nocera, Lead Forecaster at NWS-Boston/Norton; Brad Reinhart, Hurricane Specialist from the National Hurricane Center

NWS-Boston Conducts Multi-Agency Hurricane Tabletop Exercise — cont'd.

Frank then obtained complete buy-in from NWS BOX staff and got ten Meteorologists involved. Six gave presentations (5 different NHC Advisories, plus opening remarks) and the other four acted as facilitators and note-takers/observers in person at CT DEMHS (Division of Emergency Management and Homeland Security) in Hartford, CT (Hayden Frank, Bill Leatham, and Rodney Chai); MEMA in Framingham, MA (Kevin Cadima, Andrew Loconto, Rob Megnia, and Kristie Smith); RIEMA in Cranston, RI (Frank Nocera, Torry Gaucher, and Hurricane Specialist Brad Reinhart from the National Hurricane Center); and FEMA Region I ROC in Maynard, MA (Bryce Williams from BOX and Jason Elliott, SCH at the Northeast River Forecast Center). Four adjacent WFOs participated virtually, including Nelson Vaz (WCM, Upton, NY), Britt Westergard (Service Hydrologist, Albany, NY), Scott Whittier (WCM, Burlington, VT); and Justin Arnott (SOO, Gray, ME). Back at the office in Norton, MA, operational shifts were filled by BOX MIC Andy Nash and WCM Glenn Field, as well as Matt Doody and Dave Manning, who came up from NWS Eastern Region Headquarters. BOX SOO Joe DelliCarpini had the original idea of getting as many staff involved in the exercise as possible, as well as asking ER-ROC folks to come here for shift coverage to free up additional BOX staff. He provided much additional support.

Internally, each of the presenters created their own Powerpoints. Frank gave feedback and suggestions for what graphics to include. Practice sessions were held, in which the presentations were given to the MIC/SOO/WCM who gave additional feedback and all possible technological hiccups were worked through. The Hurricane Thompson TTX grew and grew in scope. For example, the state of CT sent letters out to each of their local EMDs explaining the exercise and offering incentives for participation. They held a separate MS Teams call with these locals which allowed them to view the NWS presentations and participate in discussions with state officials while not overwhelming the NWS Google Meet format. Questions were raised using the Chat feature. CT even held an evening session for those local EMDs who couldn't attend the TTX. Coast Guard Sector Southeast New England reached out to Sector Boston and got them to participate as well. RIEMA contacted local news media and they covered the stories and conducted interviews with NWS Forecasters in real-time. The City of Boston's Office of Emergency Management went to MEMA as an observer, and this helped them fulfill a requirement for their StormReady re-recognition application.



Torry Gaucher and Brad Reinhart at the table with several of the key emergency officials from RIEMA during the exercise.

NWS-Boston Conducts Multi-Agency Hurricane Tabletop Exercise — cont'd.

After Advisories 1 and 2, there were open discussions about what actions would be taken at those early stages (4 to 5 days out). After Advisories 3, 4, and 5 (Watch and Warning phases), there were breakout sessions for each of the states. Frank had created a list of questions that were used to help facilitate discussions. When everyone returned to the main session, there were de-briefs given. Frank had developed an online feedback form for the exercise and this link was given out at the end of the TTX.

The Hurricane Thompson exercise was quite a success. Richard LaTour, Assistant Director of Operations at the Massachusetts Emergency Management Agency, summed it up nicely: "I wanted to touch base and extend my thanks for an excellent exercise yesterday. Having everyone on the same exercise from three states was really valuable, and this approach was just what we needed to springboard our hurricane planning in a new way this year. We intend to use yesterday's exercise as the first step in 2022 hurricane planning, with additional focused planning meetings to be scheduled in June. It was clear that a lot of preparation went into yesterday's event." Having WFO BOX staff embedded at the EOCs helped strengthen working relationships and build trust with our EM partners, especially with the addition of new staff over the past two years. A lot of valuable lessons were learned. One, in particular, really hit home for many people-- the RI Emergency Management Agency explained that a decision-making delay of 8 hours (whether it be the NWS deciding whether to hold off on watches/warnings or whether it is something the state decides) results in an additional 24 hours of preparedness planning. Another example is that all parties became more informed of factors on which the Army Corps of Engineers bases their decision for re-opening the gates at the Fox Point Hurricane Barrier. Having all of the graphics will allow this exercise to be a valuable training tool for years to come. Thank you to all who participated!

NWS-Boston Getting to Know EM Partners Better

by Frank Nocera, Lead Meteorologist

In October, 2022, WFO Boston/Norton, MA visited & hosted FEMA Region-1, the Boston Office of Emergency Management (OEM), and the Providence Emergency Management Agency (PEMA). Despite rotating shifts, almost the entire WFO staff was able to participate in at least one of the events. For many of them, this was their first-ever face to face interactions with these core partners!

FEMA Region 1 operates out of an impressive bunker facility built in the 1960s that is located in a residential section of Maynard, MA.. They provided an overview of how the Regional Response Coordination Center (RRCC) functioned during Hurricane Irene (2011), the last time it was fully staffed/activated! It was a great opportunity to learn more about one of our core partners and how we can both serve each other better, given that we share the same mission statement — protecting life & property.

Boston OEM is located in a nondescript warehouse type building in Roxbury MA. From there, they serve all residents of the city of Boston. Our staffs discussed the implications of heat and wind chill headlines, which influence the decisions to activate heating or cooling shelters; software; and other operational items.

PEMA was our third and final visit for the month of October. PEMA discussed Advisories versus Warnings with us and how Advisories don't seem to elicit public response — only warnings. We learned that PEMA conducts its own internal weather event reviews. The information we learned from their review of the 9/5/22 Labor Day flash flood event in Providence was beneficial and added value to the NWS' Storm Data writeup, per Warning Coordination Meteorologist Glenn Field.

Another thing we all learned was that low frequency, but high impact events, like the isolated 10" rainfall in the Providence area on 9/5/22 require more collaboration from our office, such as video/virtual weather briefings, phone calls, etc., since emergency managers need to know our forecast confidence on multiple possible outcomes — not just the most likely scenario.

All of these visits (both at their facilities and at WFO Boston/Norton) provided a great opportunity for face to face interactions and really strengthened our relationships with these core partners.



NWS Boston/Norton staff interacting with emergency management staff at NWS in Norton, Boston OEM, Providence EMA, and FEMA Region 1.

WELCOME TO OUR NEWEST STAFF

KYLE PEDERSON, Meteorologist



My name is Kyle Pederson and I joined the NWS Boston team in July, 2022. I grew up in Minneapolis, Minnesota and became interested in weather at a young age because I wanted to learn more about tornadoes. I went to college at the University of North Dakota, where I earned my Bachelor's degree in 2019 and Master's degree in 2021.

Winters in North Dakota were very rough because we would often experience blizzards and wind chills less than minus 30. North Dakota is also where I saw my first tornado. During the summers between the spring and fall semesters, I worked for the North Dakota Cloud Modification Project as a Radar Meteorologist. The goal of the project was to decrease hail size and increase rainfall by flying planes equipped with silver iodide flares near thunderstorms.

Prior to coming to NWS Boston, I was a Pathways Intern for NOAA's Global Systems Laboratory, where I worked on developing a differential reflectivity (Zdr) column detection algorithm to better simulate convective updrafts in thunderstorms.

My favorite activities outside of work are alpine skiing, Frisbee golfing, biking, hiking, and watching the Minnesota Vikings and Wild.

WELCOME TO OUR NEWEST STAFF

HANS HANNER, Electronics Technician



Hans Hanner joined the NWS-Boston/Norton staff in November, 2021. He was most recently an Electronics Technician with the National Weather Service Forecast Office in Anchorage, Alaska. Prior to that, he was a Meteorological Technician for the NWS in challenging Saint Paul, Alaska. Hans was an enlisted member of the U.S. Marine Corps from 2003-2013. While in the Marine Corps, he completed the forecasters course and was trained as a Weather Observer

Welcome Hans!

MATTHEW DESILETS, Electronics Technician



Matthew Desilets joined the NWS-Boston/Norton staff in June, 2021. Matt recently retired from the U.S. Air Force after a 20 year career as an Electronics Technician. He worked on many different equipment platforms while in the Air Force including numerous weather sets, navigational aids, air traffic control radios, and telephone switches. He spent a majority of his Air Force career in Germany, which gave him the opportunity to explore Europe. Matt is originally from North Attleboro, MA and is happy to be residing back in his home town.

Welcome Matthew!

WCM Corner

by Glenn Field, Warning Coordination Meteorologist, NWS-Boston



Hello everyone. Since I plan to retire in August, 2023 and this is likely the last Prevailing Winds Newsletter for which I will be the editor, I wanted to take this time to thank everyone for helping to make my career here in New England so special. I treasure the close working relationship I've had with coworkers at the office and with our many partners, customers, and weather enthusiasts. Here is a little more about my background.

I have been the Warning Coordination Meteorologist (WCM) for the National Weather Service (NWS) Forecast Office in Boston/Taunton/Norton, MA since the position's inception in October, 1993. As WCM, I am responsible for ensuring that customers of weather forecasts and warnings are able to receive the products and that they understand what they mean. To accomplish this, I give many presentations to police, fire, emergency managers, and school groups and always listen to suggestions for improvement of services. I am responsible for coordinating and implementing new procedures at the NWS, for the quality assurance of products, and am in charge of the SKYWARN volunteer weather observers program, which has grown from 450 to more than 8,500 trained spotters. I work with towns to enable them to become

"StormReady," another National Weather Service community preparedness program. In 2018, Rhode Island became the first state in the nation in which each individual town (all 39) achieved StormReady recognition. I have been the agenda organizer and moderator for the Southern New England Weather Conference for the past 20+ years. The Conference has been a great opportunity for weather enthusiasts, students, etc. to meet professional meteorologists (public and private) in a friendly learning environment.

Within the NWS, I have served on many national teams, including the Severe Weather Algorithms Team (SWAT) and the Watch By County Team, for which I invented a product called the Watch County Notification (WCN), still used today. It greatly simplified the way in which customers are notified which counties are in and out of a severe weather watch. More recently, I was the driving force for the team for improving the icons on the point-and-click web forecast display and dividing them into two portions of the day, which gives better temporal definition.

As of next August, I will have worked for NOAA for 39 years! My NOAA career began with four interesting summer internships from 1980-1983: NWS WSO Jacksonville, FL (became certified to take observations); NESDIS Satellite Field Services Station in Redwood City, CA (tracked polar orbiting satellites, detected forest fires); NESDIS Satellite Applications Lab in Camp Springs, MD (research position classifying various events); NESDIS Synoptic Analysis Branch (SAB) in Camp Springs, MD (satellite precipitation estimates verification study). In 1985-1987, I worked as a satellite meteorologist at the NESDIS Synoptic Analysis Branch, where I computed cloud drift winds for the global models and created satellite precipitation estimate messages for local NWS offices. From 1987-1990, I switched to the National Weather Service and became a forecaster at the Milwaukee/Sullivan, WI Forecast Office. I was the Warning Preparedness Meteorologist, Verification program leader, and satellite co-focal point.

WCM Corner—cont'd.

From 1990-1993, I became a Lead Forecaster at the NWS Forecast Office in Raleigh, NC., where I overhauled the office's station duty manual, created detailed radar overlays for the WSR-74C radar, etc. Then for the past nearly 30 years, I have been the Warning Coordination Meteorologist here in the Boston area and have loved every minute of it.

I received my M.S. Degree in Meteorology from the University of Wisconsin - Madison, where I also received my B.S. in both Meteorology and Economics (the 2 sciences that one can't predict, I often joke.)

Like many of my colleagues, I became interested in meteorology at a very young age. My parents were divorced and I lived with my mother in Cherry Hill, NJ. On the weekends, I would visit my father, a chemical engineer, but who had been a ship's meteorologist in the Navy and held a M.S. in Meteorology from the Naval Postgraduate School in Monterey, CA. On the weekends, he would teach me that if thunder occurs 5 seconds after seeing the flash, the lightning was one mile away. My mother was an elementary school music teacher and helped motivate me to perform in *My Fair Lady* in high school, *Oliver* in a semi-professional theater in NJ, and sing baritone in high school and college choirs and even in a barbershop quartet. Very interestingly, my career ended up being a combination of the two parents... the science side from Dad and the being-in-front-of-audiences side from Mom. To the left is a photo of me giving a presentation at the Massachusetts Emergency Management Agency, where I sang an original hurricane preparedness song entitled "Hunker In the Bunker" to the tune of Jethro Tull's *Bungle in the Jungle*. Over the years, I've found that adding humor to presentations is the key



to keeping people interested and really listening to the safety messages that we're trying to impart.



I married my best friend from high school, Dahlia, and we celebrated our 37th anniversary this past summer. Dahlia is an elementary school teacher in Brockton. We have two wonderful children, Corey and Lauren. Corey is a University of Minnesota grad and is Director of Marketing for IntelyCare, Inc., a nursing agency near Boston. Lauren is a James Madison University grad and works as a Media Strategist for iHeart Media in the Washington, D.C. area.

It truly has been an honor serving the people of southern New England. I hope that my legacy will be that I worked well with people and helped them understand warnings and know what to do when severe weather strikes. If I was able to save a few lives, then my job was worthwhile !!!



National Weather Service Southern New England

46 Commerce Way
Norton, MA 02766
Phone: 508-622-3250

The National Weather Service (NWS) provides weather, hydrologic, and climate forecasts and warnings for the United States, its territories, adjacent waters and ocean areas, for the protection of life and property and the enhancement of the national economy. NWS data and products form a national information database and infrastructure which can be used by other governmental agencies, the private sector, the public, and the global community.

Meteorologist In-Charge:

Andy Nash

Warning Coordination Meteorologist:

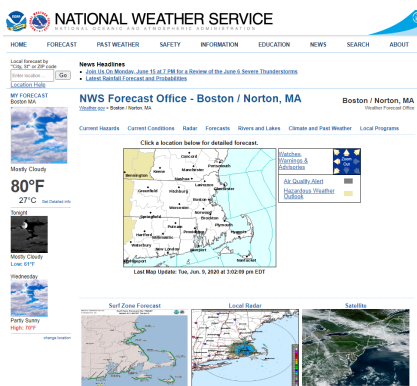
Glenn Field

Science and Operations Officer:

Joe DelliCarpini

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