

## View our Warnings, Watches, and Forecasts Online

*weather.gov/raleigh*  
*mobile.weather.gov/raleigh*

All forecasts, watches, and warnings issued by the National Weather Service Office in Raleigh can be found online. Want a forecast for your neighborhood? Just click on the webpage map, or enter the name of your town, and you'll get a detailed forecast for your location. Get forecasts in the format you want – high-resolution graphics, quick-look pictures, detailed text, hourly charts – down to street level. We update our forecast at least every 3 hours, around the clock, every day of the year. Our mobile site, when accessed on a cell phone, can be added to the phone's desktop to work just like an app.

Our website is also where you can find satellite imagery, radar, and local observations, as well as information on hurricanes, river and lake forecasts, climate and past weather, and our expert forecast discussions. Check it out!

**NATIONAL WEATHER SERVICE**  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Local forecast for "City, St" or ZIP code  
Enter location: [Go]

**News Headlines**  
• Spring 2015 Newsletter Now Available...

**MY FORECAST**  
4 Miles SSE Raleigh NC

**NWS Forecast Office, Raleigh, NC**  
Weather.gov > Raleigh/Durham, NC

Current Hazards | Current Conditions | Radar | Forecasts | Rivers and Lakes | Climate and Pa

Click on the map below to zoom in.

Light Rain  
**53°F**  
12°C  
Get Detailed Info

Today: 60% Rain Likely High: 61°F  
Tonight: 80% Rain Likely Low: 48°F  
change location

Map labels: Mount Airy, Winston-Salem, Greensboro, Durham, Raleigh, Rocky Mount, Henderson, Roanoke Rapids, Elizabeth City, Fayetteville, Lumberton, Wilmington, Charlotte, Hickory, Asheville, Salisbury, Yadkinville, Albemarle, Sanford, Oddsboro, Newton, Wadesboro, Cheraw, Lumberton.

Last Map Update: Wed, Apr. 15, 2015 at 9:29:27 am EDT

## NOAA Weather Radio

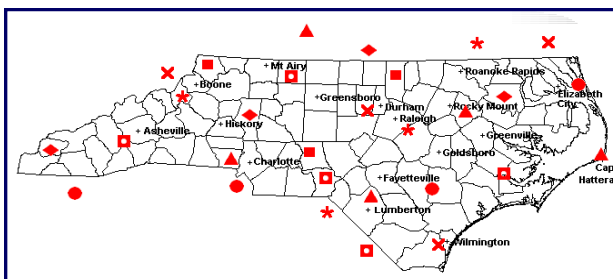


NOAA Weather Radio (NWR) is one of the best ways to receive warnings. The very moment we issue a warning, NWR receivers immediately activate to warn of the impending hazard. Forecasts on NWR are continuously updated 24 hours a day, 7 days a week. An NWR with battery backup and a tone-alert feature can be purchased at most electronics or large retail stores. The radio can automatically alert you when a watch or warning is issued, even if the electricity is off.

Over 25 transmitters serve North Carolina. Our office provides broadcasts from the following locations, and serve the surrounding areas:

WNG 706	<b>Garner</b>	162.450 MHz
WXL 58	<b>Chapel Hill</b>	162.550 MHz
WXL 59	<b>Tarboro</b>	162.475 MHz
WNG 586	<b>Henderson</b>	162.500 MHz
WWF 60	<b>Buck Mountain</b>	162.500 MHz
WXL 42	<b>Winston-Salem</b>	162.400 MHz
WNG 597	<b>Ellerbe</b>	162.400 MHz

NOAA Weather Radio Network information for NC can be found at <http://www.erh.noaa.gov/rah/ncnwr/>



*To give you the critical information you need to make decisions and protect your life and property, the NWS is pleased to work with many partners and customers, including emergency managers, Skywarn trained spotters, TV meteorologists, and other NWS offices around the country.*



**"Working Together  
To  
Save Lives"**



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## Severe Weather

Our number one mission is the protection of life and property. It is important to remember that all thunderstorms are dangerous and every thunderstorm produces lightning. NWS Raleigh issues severe thunderstorm, tornado and flood warnings for Central North Carolina.

### Thunderstorm safety tips

- NEVER seek shelter under a tree.
- If you can hear thunder, you are close enough to be struck.
- Move to a sturdy shelter or hard topped vehicle.
- If caught outside, crouch down on the balls of your feet and put your head between your knees.

### Tornado Safety Tips

- Mobile homes should be abandoned!
- In a sturdy building, move to the basement or interior room or hallway and get under a sturdy piece of furniture.
- Stay away from windows.
- Do not try to out run a tornado in your car. Leave it immediately.
- If caught outside, lie flat in a nearby ditch or depression.



## Flood Forecasting

<http://www.weather.gov/rah/hydro>



We're not finished with rain once it hits the ground. Flooding kills more people on an annual basis than other types of weather phenomena. The NWS is responsible for forecasting how high and how fast creeks and rivers will rise in response to accumulated rainfall. Flood forecasting is quite complex, as topography, effects of urbanization, and rainfall rates and distribution are rarely uniform. In addition, flood forecasting requires extensive coordination with other agencies, such as the U.S. Geological Survey, which maintains river gauges, and the U.S. Army Corps of Engineers, which regulates many hydroelectric and flood control reservoirs.

## SKYWARN Spotters

<http://www.weather.gov/rah/skywarn>



One of the most important assets to our warning, forecast, and verification process is the SKYWARN Spotter Network. A spotter's eye provides real-time observations of tornadoes, hail, winds, flooding and significant cloud formations. Vital information such as rainfall and snow amounts are also relayed to the National Weather Service via spotters. SKYWARN spotters include such individuals as HAMS, police, firefighters, and you! Please see our web site for additional information, schedules, and information about how to become a certified SKYWARN Spotter.

## Cooperative Observation Program

<http://www.nws.noaa.gov/om/coop/>



The Cooperative Observation Program (Co-Op) was started in Virginia by Thomas Jefferson in 1776 with the vision of having a weather observer in every county in Virginia. Today there are more than 11,000 volunteers nationwide. One mission of the program is to "provide observational data in near real time to support forecast, warning, and other public service programs of the National Weather Service." To improve ways to obtain and transmit weather data, modernization of one of the older precipitation gauges used in the Co-Op Program was recently implemented at selected sites across the country. There are eleven sites across central North Carolina which have the new upgraded or rebuilt **Fischer & Porter/Belgrade** rain gauge, pictured above. While utilizing several parts of the old system, the main improvements were replacing the old tape punch mechanism with digital data recording and reporting capabilities.

## Aviation Forecasts

<http://www.aviationweather.gov/>

A Terminal Aerodrome Forecast (TAF) is a description of the aviation weather conditions expected to occur at an airport. The TAF is issued only when routine aviation surface observations are available. At stations where the routine observations are available, TAFs are issued four times daily for a 24-hour period. TAFs are amended whenever significant changes in the weather occur or are anticipated. NWS Raleigh currently issues TAFs for the Raleigh-Durham, Winston-Salem, Greensboro, Rocky Mount-Wilson and Fayetteville airports.