

View our Warnings, Watches, and Forecasts Online

weather.gov/Raleigh
mobile.weather.gov

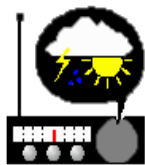
All forecasts, watches, and warnings issued by the National Weather Service Office in Raleigh can be found online. Want a forecast for your neighborhood? Just click on the webpage map, or enter the name of your town, and you'll get a detailed forecast for your location. Get forecasts in the format you 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 home screen 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!

Scan the code below on your mobile device to access our mobile website instantly!



NOAA Weather Radio

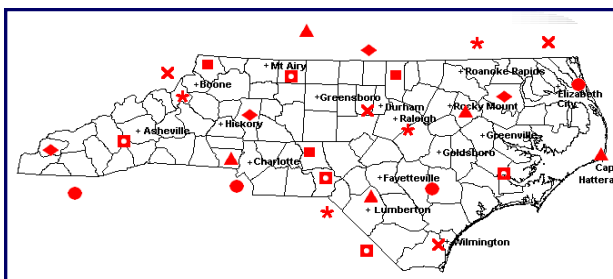


NOAA Weather Radio (NWR) is one of the best ways to receive warnings. The very moment we issue a warning, NWR receivers immediately activate to warn of the impending hazard. Forecasts on NWR are continuously updated 24 hours a day, 7 days a week. An NWR with battery backup and a tone-alert feature can 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	Garner	162.450 MHz
WXL 58	Chapel Hill	162.550 MHz
WXL 59	Tarboro	162.475 MHz
WNG 586	Henderson	162.500 MHz
WWF 60	Buck Mountain	162.500 MHz
WXL 42	Winston-Salem	162.400 MHz
WNG 597	Ellerbe	162.400 MHz

NOAA Weather Radio Network information for NC can be found at <http://www.nws.noaa.gov/nwr/Maps/>



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





**“Working Together
To Protect Life and
Property”**







NOAA's National Weather Service

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Raleigh, North Carolina**

**Phone: 919-326-1042
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weather.gov/raleigh

 @NWSRaleigh
 fb.com/NWSRaleigh

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.
- If caught outside, move to an enclosed building or hard topped vehicle.
- Wait 30 minutes after the storm ends before resuming outdoor activities.

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>



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.