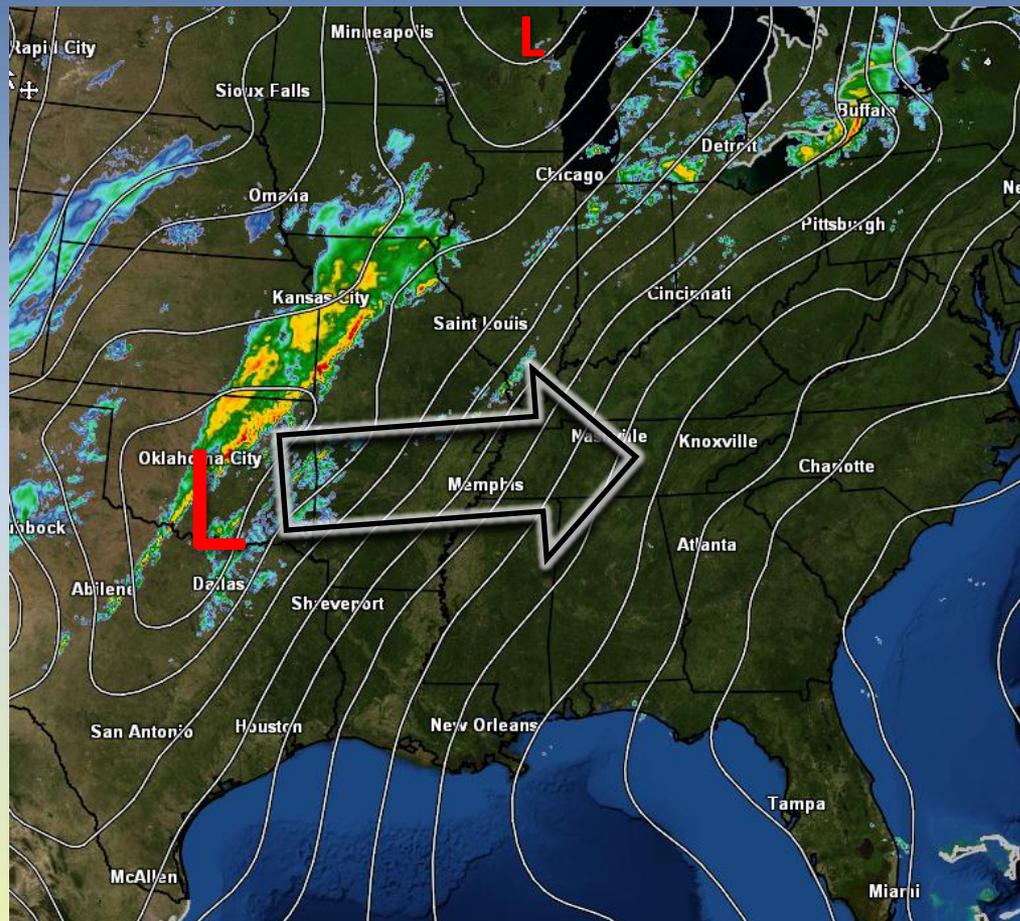




# Strong and Potentially Damaging Wind Gusts Expected Across Central NC on Wednesday



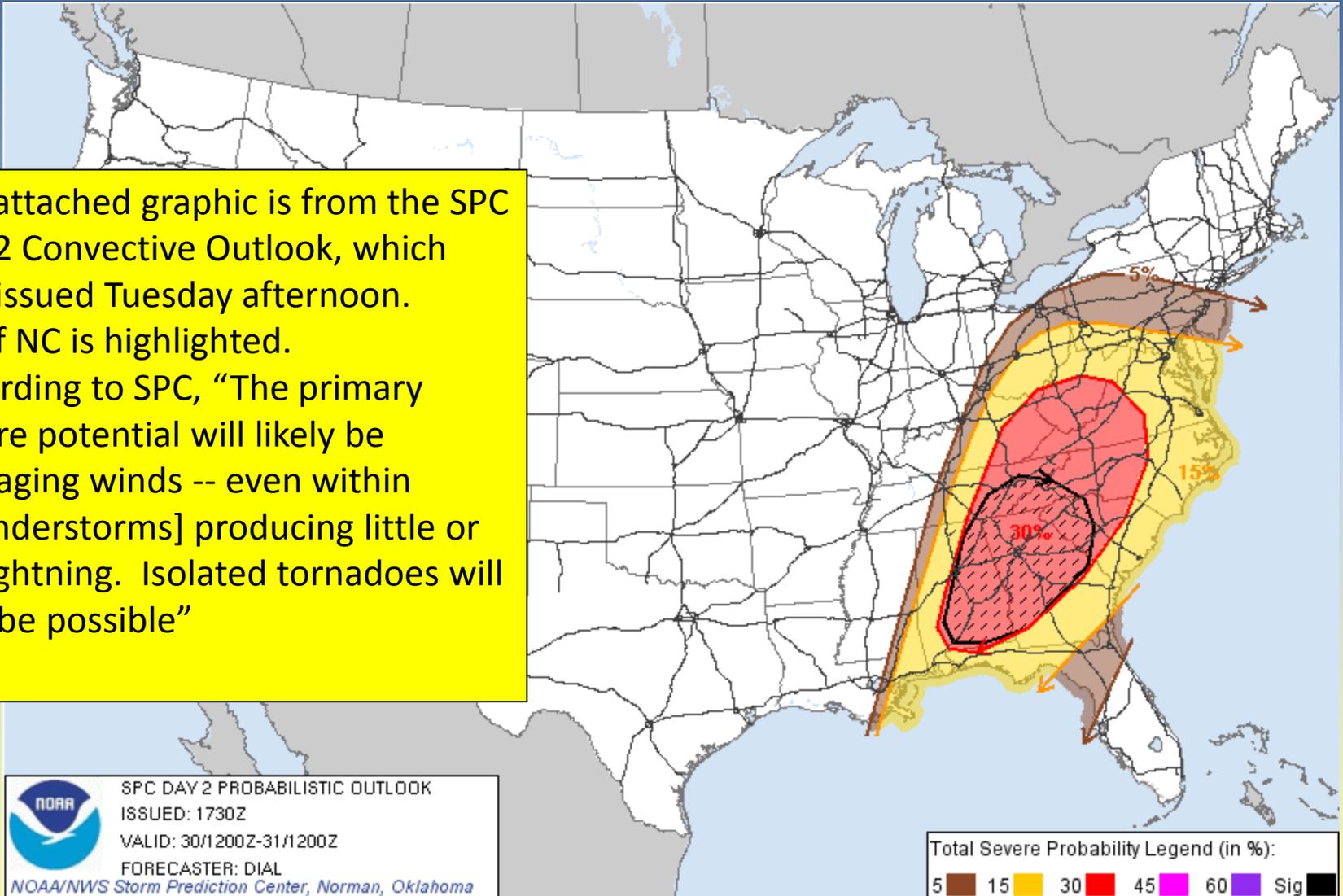
A powerful cold front over the Plains is headed our way and will cross the Carolinas late on Wednesday. Heavy showers are expected along and ahead of the front, some of which may result in strong and potentially damaging wind gusts. Even outside of the shower activity, frequent wind gusts of 30-40 mph are expected Wednesday and Wednesday night.

National Weather Service, Raleigh, NC

Briefing issue date and time: 2:00 PM, Tuesday, January 29, 2013

# SPC Convective Outlook

- The attached graphic is from the SPC Day 2 Convective Outlook, which was issued Tuesday afternoon.
- All of NC is highlighted.
- According to SPC, “The primary severe potential will likely be damaging winds -- even within [thunderstorms] producing little or no lightning. Isolated tornadoes will also be possible”

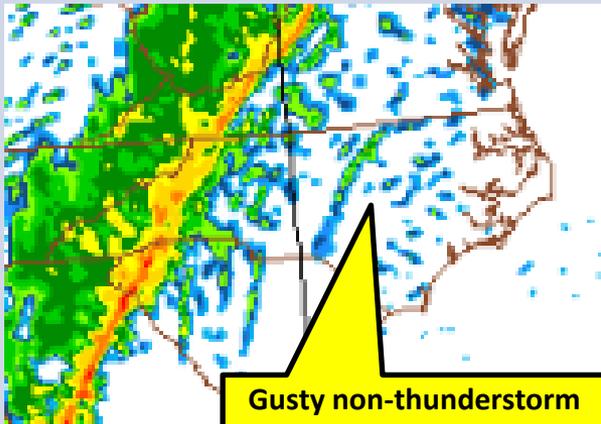


Hatched Area = 10% or greater probability of significant severe weather within 25 miles of a point.

# Timing and Impacts

The following images depict simulated radar reflectivity, or what the radar MAY look like. These images are intended to give a rough estimate of precip timing, NOT precip intensity.

Mid Afternoon – 2 PM to 4 PM



Gusty non-thunderstorm wind gusts expected ahead of the front

The main squall line will be crossing the mountains and foothills. Across central NC, a few showers and gusty non-thunderstorm winds up to 45 mph are expected as we wait for the main band to arrive from the west.

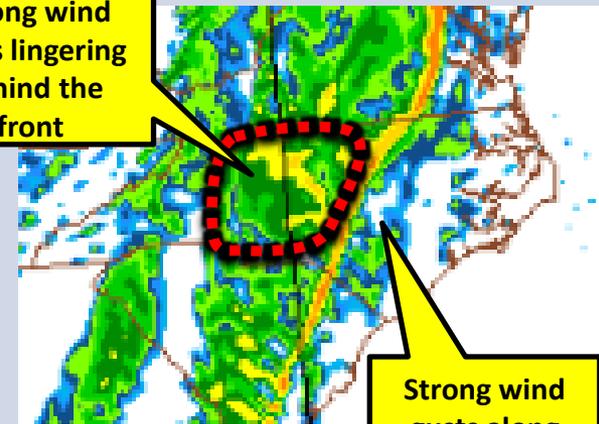
Early Evening – 6 PM to 8 PM



Strong wind gusts along the squall line

The squall line will be impacting the western Piedmont and Triad. Strong and potentially damaging straight-line wind gusts will be possible with the passage of this line.

Late Evening – 9 PM to 11 PM



Strong wind gusts lingering behind the front

Strong wind gusts along the squall line

The squall line will begin to impact the Coastal Plain and I-95 corridor. Strong and potentially damaging straight-line wind gusts will be still be possible along the squall line. The potential for strong winds gusts will linger for a few hours after the passage of the squall line and cold front.

# Summary

## **Central NC impacts:**

- Outside of heavy shower activity, sustained southerly winds between 20 and 25 mph will gust frequently between 30 and 40 mph on Wednesday and Wednesday night. A peak gust around 45 mph may occur. A wind advisory will likely be issued later today or tonight.
- In addition, numerous heavy showers (with perhaps some thunder) are expected Wednesday afternoon through Wednesday evening. Locally damaging wind gusts may accompany the heavier showers Wednesday afternoon and evening. An isolated tornado can't be ruled out, mainly west of highway 1.
- The strongest straight-line wind gusts could potentially produce damage that is similar to a weak tornado.
- Residents of central North Carolina should take the time now review severe weather safety information (available at <http://readync.org>), be sure to stay informed of the latest weather updates, and have a way to receive severe weather alerts and warnings.

# Briefing Schedule

- Another PowerPoint briefing will be emailed Wednesday morning, or earlier if needed.
- Right now, there are no conference calls scheduled. However we may initiate one on short notice if needed. Be sure to frequently check your email for updates and announcements.

# For additional specific details, including Watches, Warnings, Advisories for your location...

Visit us at <http://weather.gov> and enter your zip code or click on your location. Or, use the links below to visit the NWS office that serves your part of North Carolina.

- Northeast NC: <http://weather.gov/akq>
- Eastern NC: <http://weather.gov/mhx>
- Southeast NC: <http://weather.gov/ilm>
- Central NC: <http://weather.gov/rah>
- Northwest NC (& mountains): <http://weather.gov/rnk>
- Southwest NC (& mountains): <http://weather.gov/gsp>
- Cherokee and Clay Counties: <http://weather.gov/mrx>

# Storm Reports and Additional Info

## Please pass along to the NWS Raleigh:

- Wind impacts, such as any damage (downed trees or power lines, and/or any structural damage)
- Tornado or funnel cloud sightings, and associated damage
- Measured winds gusts 50 mph or greater
- Flooding

## You can contact the NWS Raleigh via:

- Email: [rah.reports@noaa.gov](mailto:rah.reports@noaa.gov)
- Facebook:  
<http://www.facebook.com/US.NationalWeatherService.Raleigh.gov>
- Twitter: @NWSRaleigh
- Phone
- NWS Chat for media and NWS core partners (Emergency Managers, DOT, and school officials).