

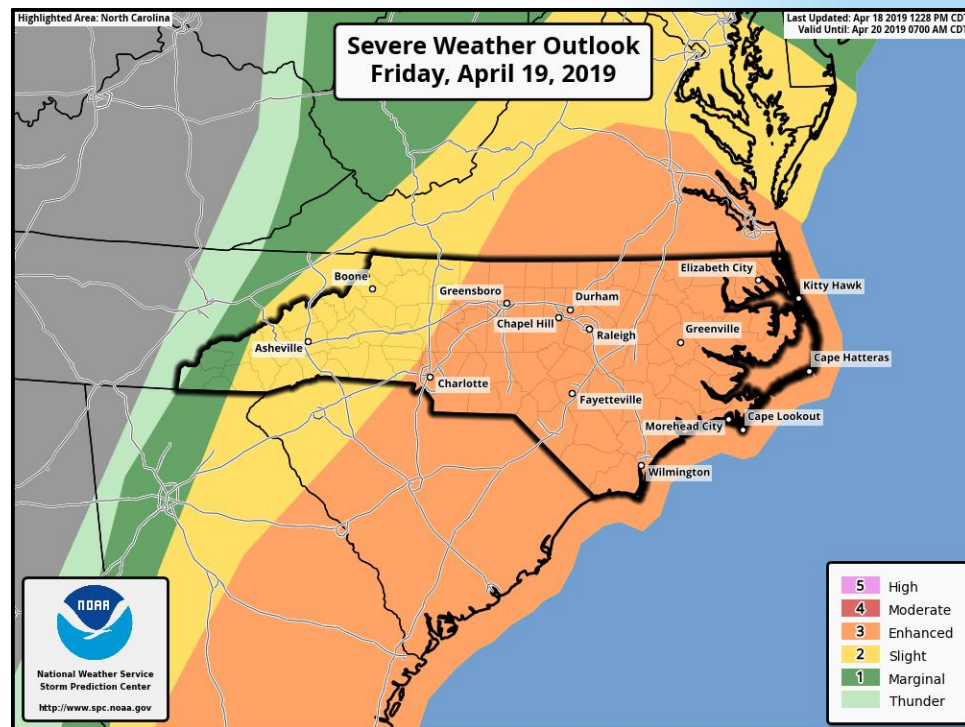
Enhanced Risk for Severe Storms on Friday

Decision Support Briefing # 2
As of: 3:30 PM
Thursday, April 18, 2019








What Has Changed?

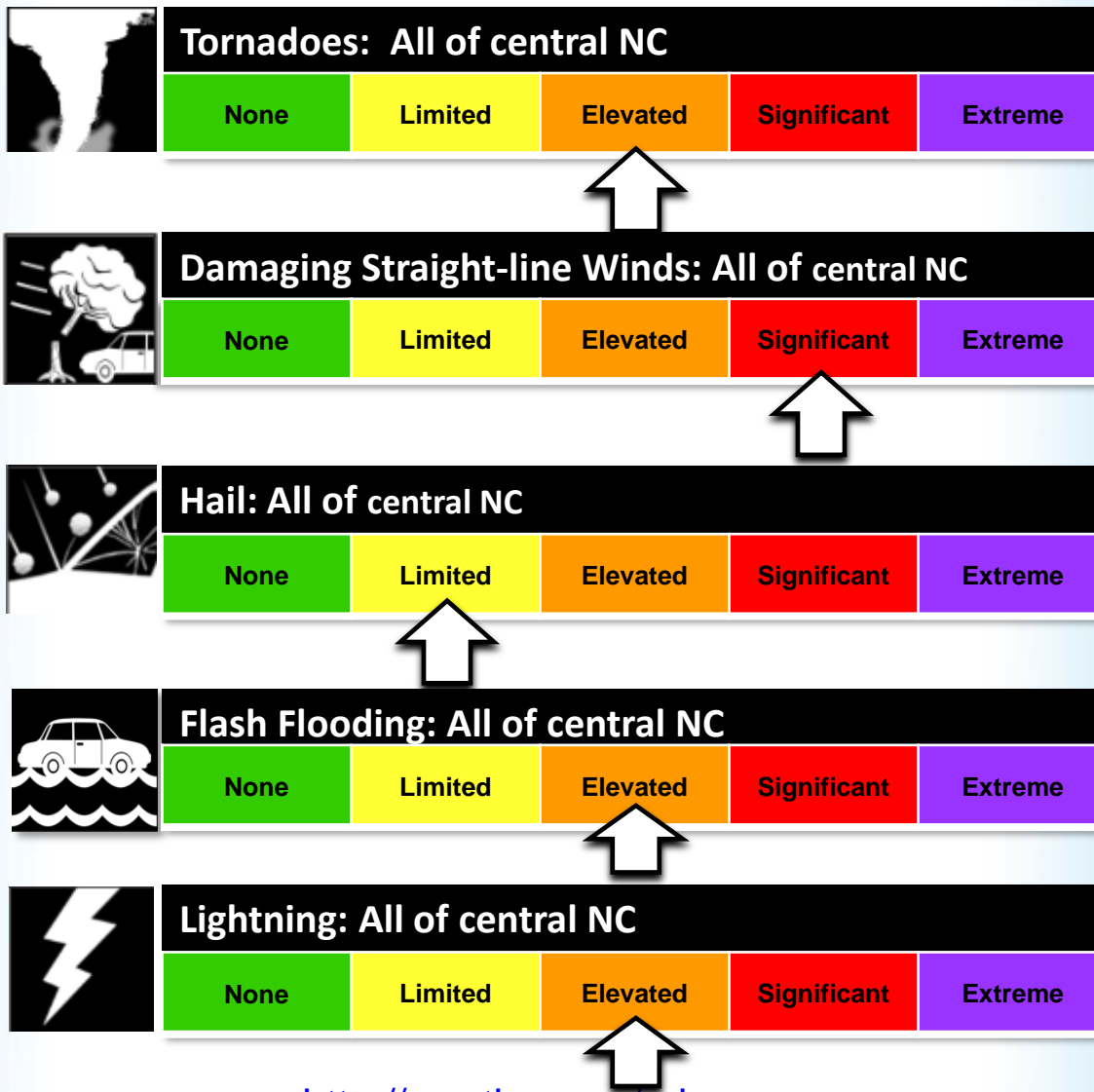
- ✓ Added simulated radar



Main Points

Hazard	Impacts	Timing	Location
Wind 	Scattered to numerous downed trees and powerlines, and isolated structural damage associated with the strongest storms.	Friday morning through Friday evening	All of central North Carolina
Tornadoes 	Tornadoes possible.	Friday morning through Friday evening	All of central North Carolina
Hail 	Hail quarter-size or larger possible.	Friday morning through Friday evening	All of central North Carolina
Lightning 	Deadly cloud-to-ground lighting is expected.	Friday morning through Friday evening	All of central North Carolina
Flooding 	Flash Flooding will be possible where storms train across a given area near the stationary front.	Friday morning through Friday evening	All of central North Carolina

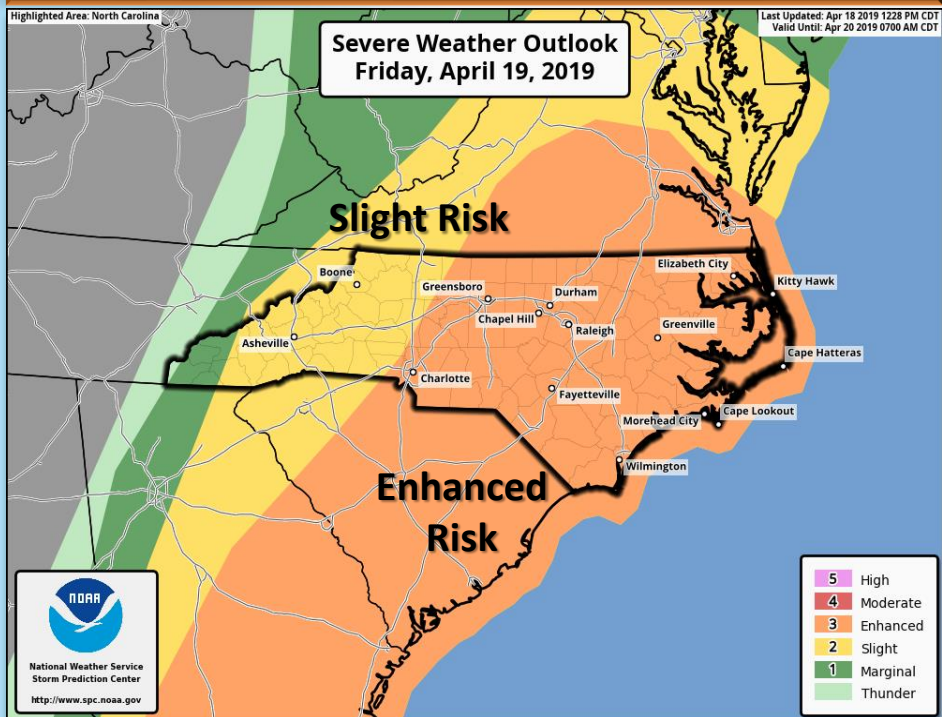
Summary of Greatest Impacts



Severe Weather Outlook for Friday



Severe Risk Area



What to Expect

- Severe thunderstorms developing along and ahead of a powerful low pressure system will impact central NC on Friday.
- Timing: Mid to late morning through the evening Friday.
- Locations: All of Central North Carolina.
- Some of the stronger storms could produce damaging wind gusts, flash flooding, tornadoes and hail.

HAZARDS:



THUNDERSTORMS (no label)	1 - MARGINAL (MRGL)	2 - SLIGHT (SLGT)	3 - ENHANCED (ENH)	4 - MODERATE (MDT)	5 - HIGH (HIGH)
No severe* thunderstorms expected	Isolated severe thunderstorms possible	Scattered severe storms possible	Numerous severe storms possible	Widespread severe storms likely	Widespread severe storms expected



For more information on the severe weather threats, stay tuned to our social media accounts, NOAA Weather Radio, and our website: www.weather.gov/rah

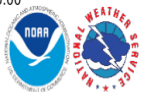
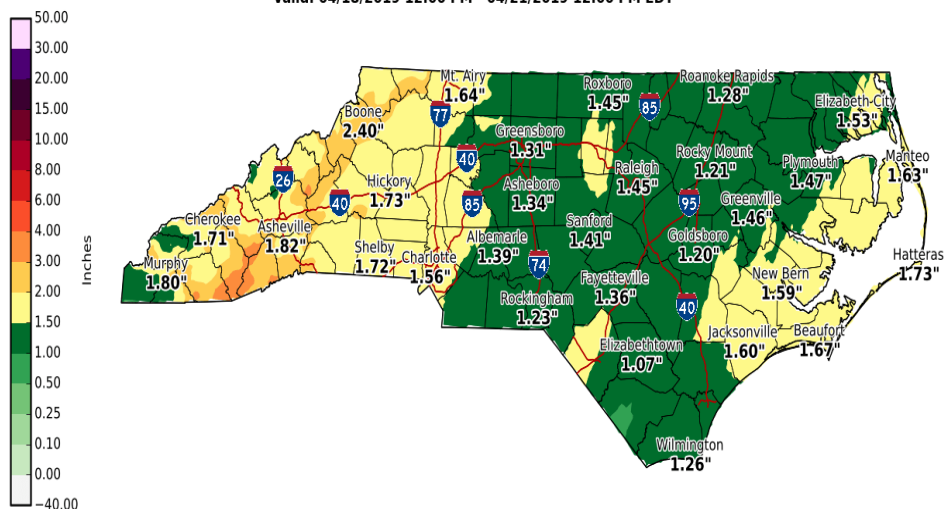
Flash Flood Threat



Precipitation Forecast

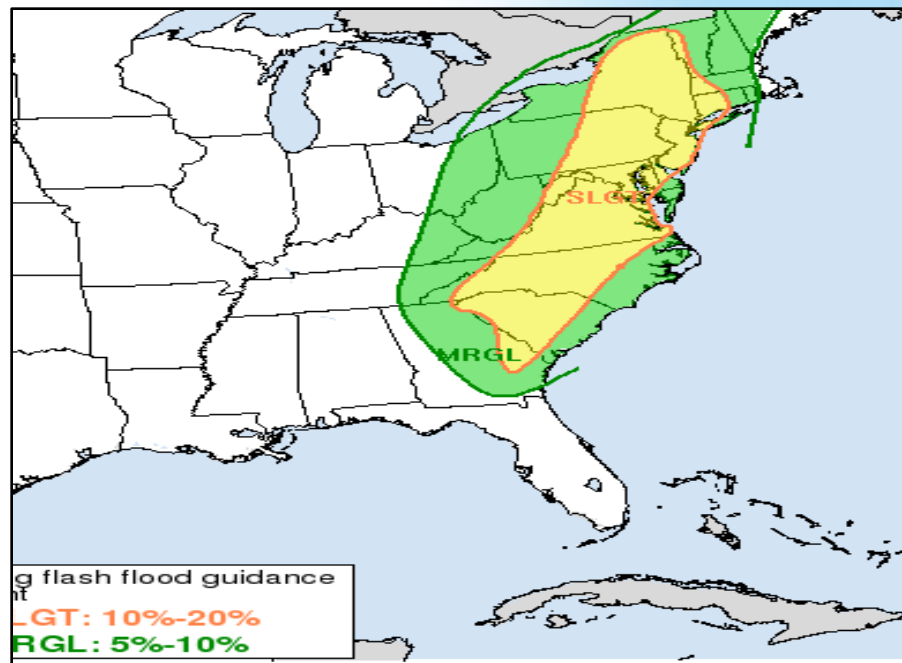
Flash Flood Threat

72 hr Rainfall Totals
Valid: 04/18/2019 12:00 PM - 04/21/2019 12:00 PM EDT



National Weather Service
North Carolina NWS Offices
04/18/2019 12:11 PM EDT

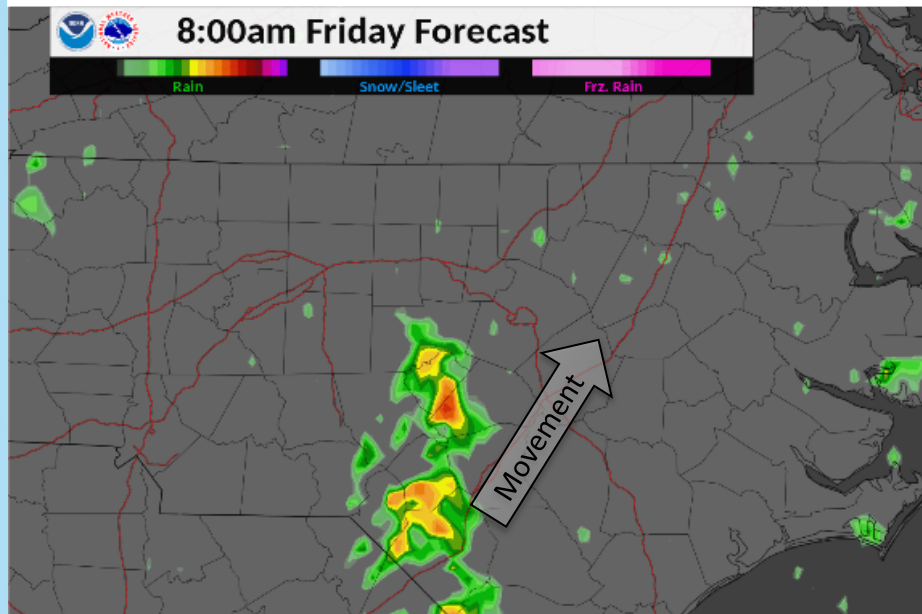
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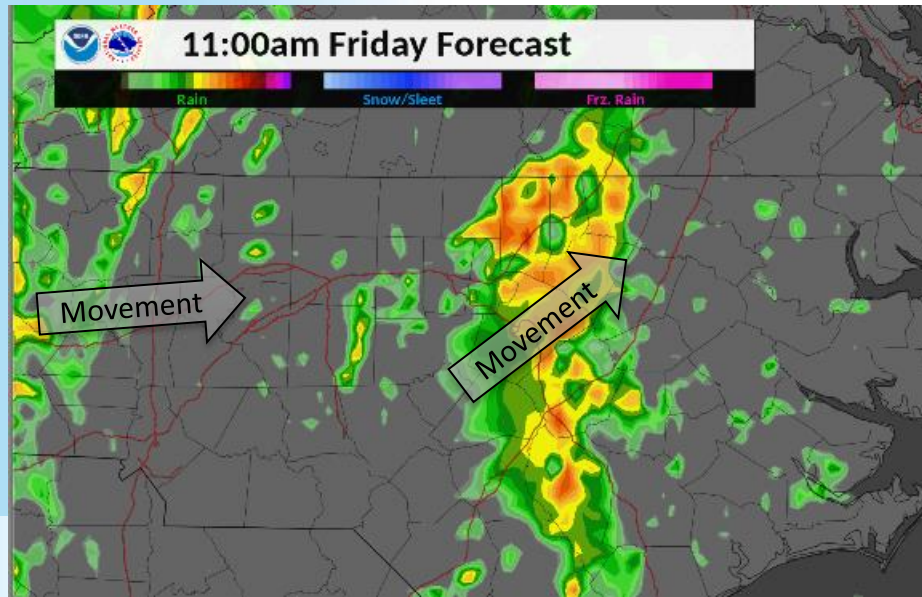
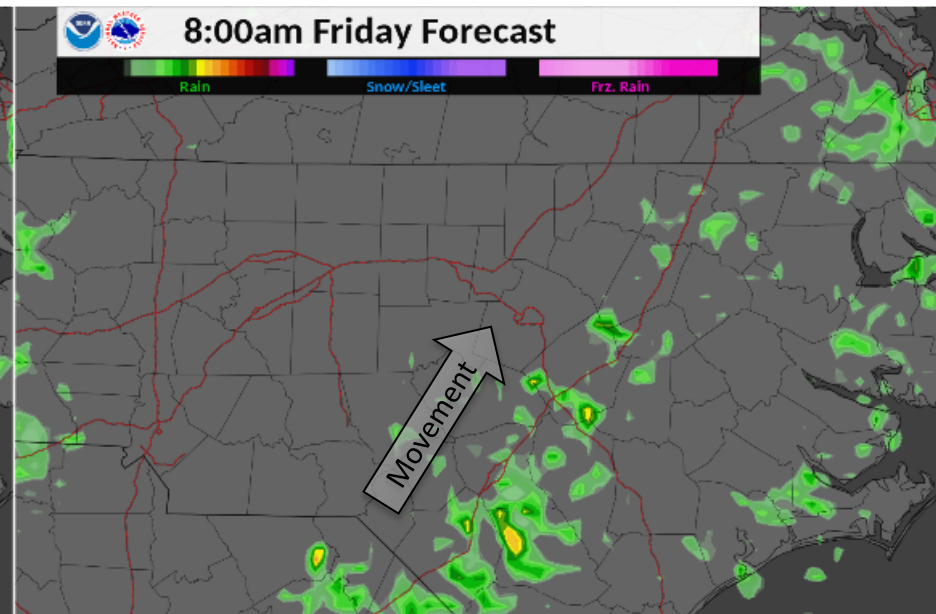
Due to recent heavy rains over the past week, river and streams are running high and soils are still wet. Additional heavy rainfall of 1 to 2" (locally higher) on Friday will result in a risk of flash flooding across much of central NC.

Simulated Radar for Friday

Faster Scenario on Left

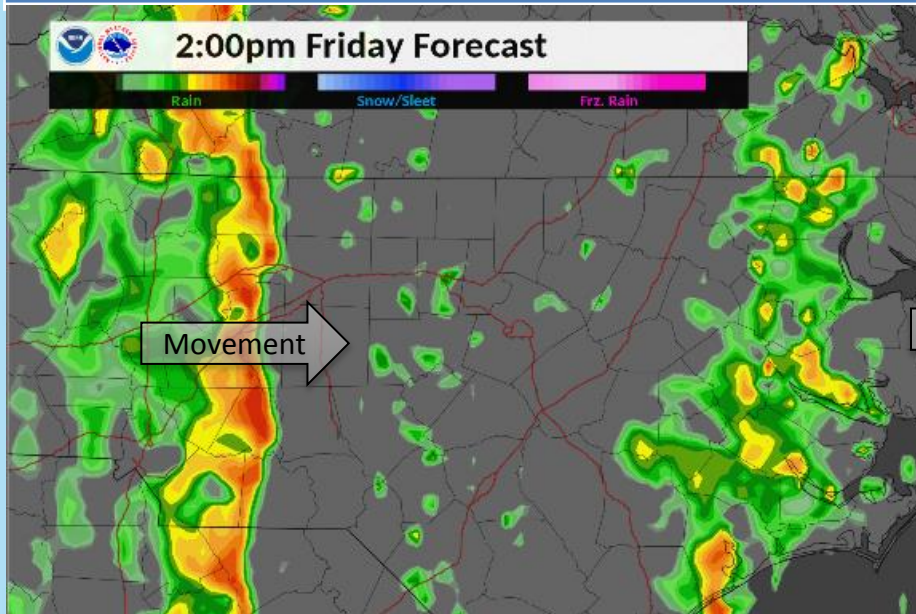


Slower Scenario on Right

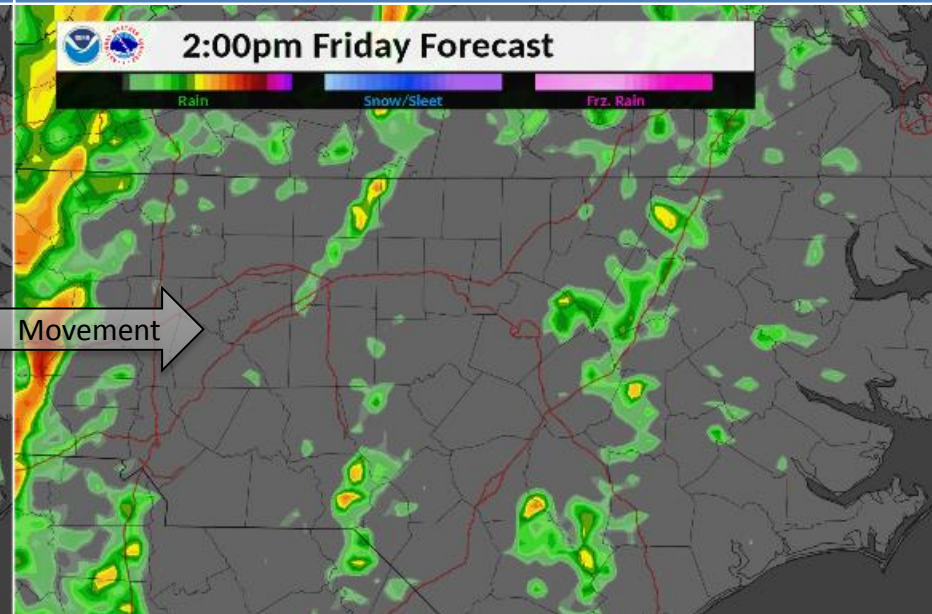


Simulated Radar for Friday

Faster Scenario on Left

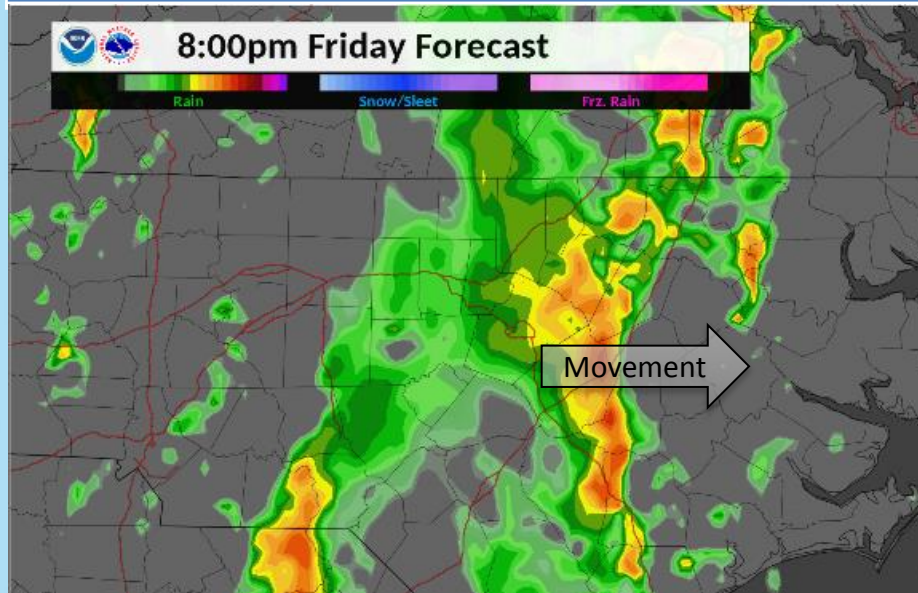


Slower Scenario on Right

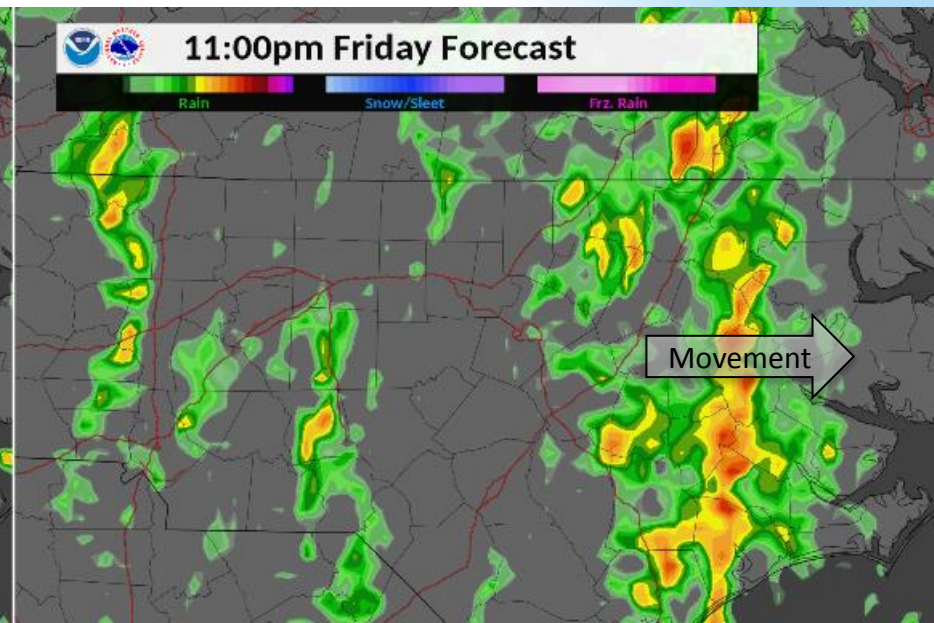


Simulated Radar for Friday

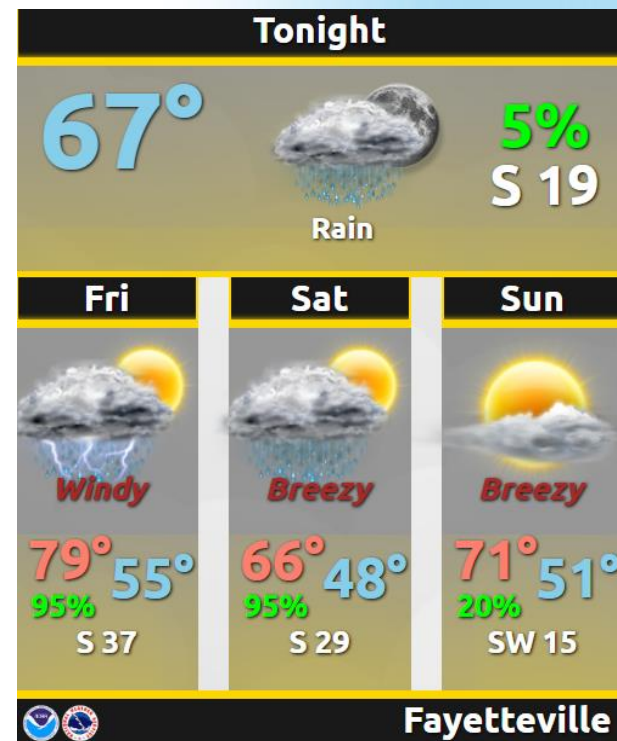
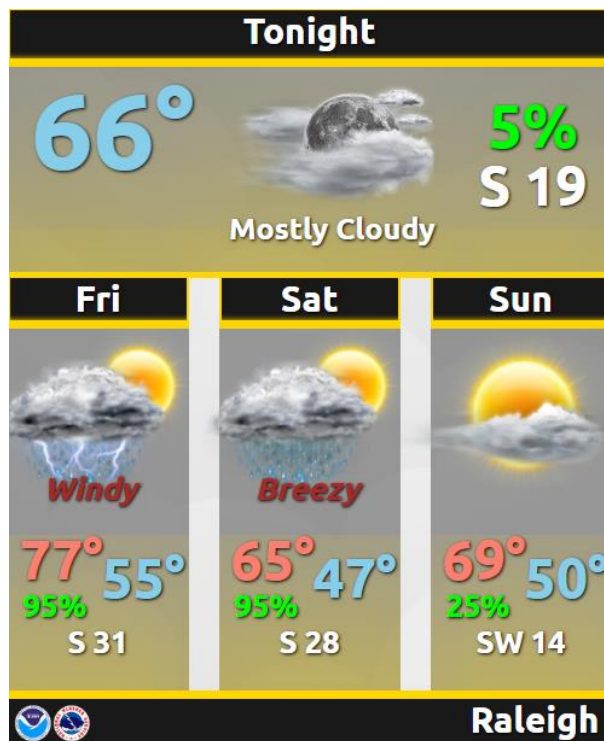
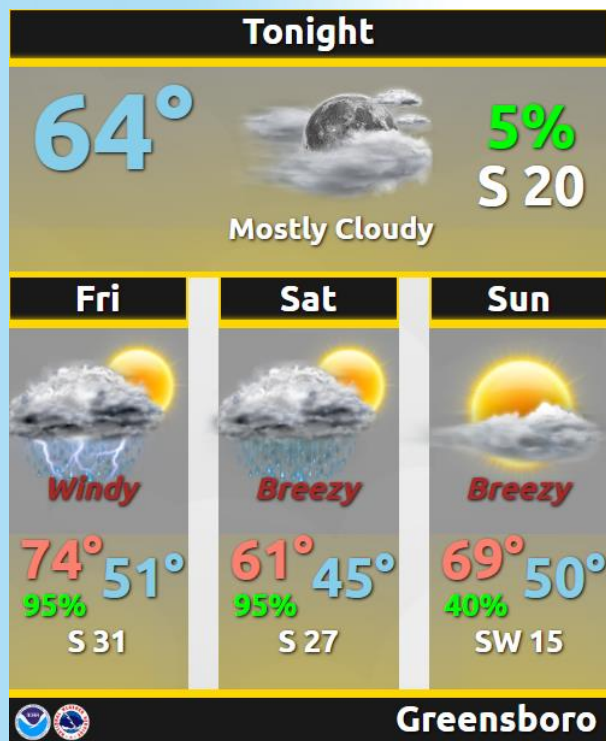
Faster Scenario on Left



Slower Scenario on Right



Weather This Weekend for a few Cities



Event Summary

Enhanced Risk for Severe Storms Friday

- ✓ Confidence is moderate to high for this event.
- ✓ Period of greatest impact: Friday morning through Friday evening.



Damaging winds possible area-wide.



Heavy rainfall of 1 to 2 inches (locally higher) will bring a threat of flash flooding, especially in urban and low-lying areas.



Isolated tornadoes possible area-wide.



Quarter-size or larger hail possible area-wide.



Have multiple ways to get warnings
weather.gov



Getting a warning could save
YOUR LIFE



#01

#02

#03

#04

#05

#06

Use your **mobile device**
to get timely
weather warnings



mobile.weather.gov

www.weather.gov/safety



Contact and Next Briefing Information



Next Briefing

When: By 5 AM on 4/19/2019

Method: E-mail



Briefing Webpage:

<http://www.weather.gov/media/rah/briefing/NWSRaleighLatestBriefing.pdf>



Web:

<http://weather.gov/rah>



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