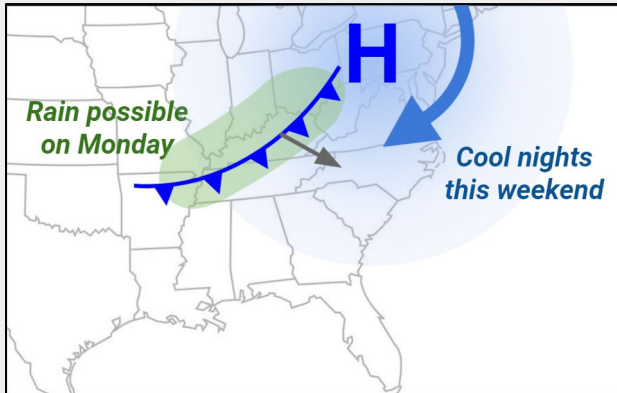


Short-Range Outlook for North Carolina

Week 1:

September 2 to 8, 2021



A Break from the Heat



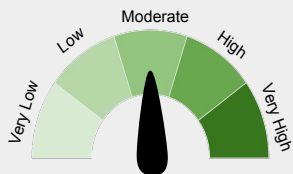
High pressure building to our north will usher in cool weather this weekend. Afternoon temperatures should be in the low to mid-80s with nighttime lows dipping into the 50s. By Tuesday, our temperatures should moderate into the upper 80s or lower 90s.

One Main Rain Chance



A cold front approaching from the northwest later this weekend should bring light rain across the state, beginning on Sunday night in the west and tapering off by Tuesday morning in the east. Rainfall during this event should generally total half an inch or less.

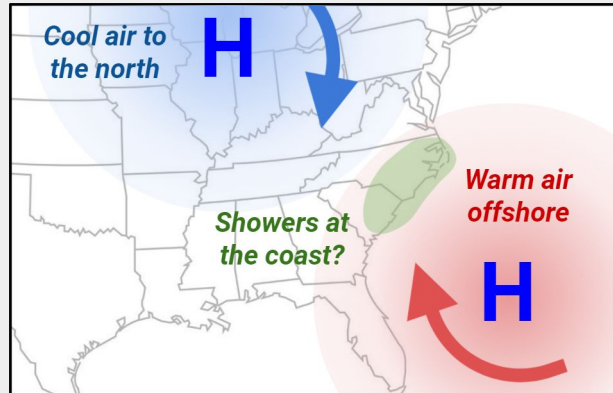
Forecast Confidence



While some forecasts show the front stalling off the coast on Tuesday, rain chances and amounts should still be low.

Week 2:

September 9 to 15, 2021

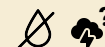


A Mixed Temperature Forecast



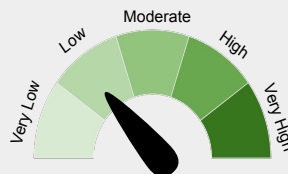
North Carolina may find itself on the borderline between contrasting patterns: cool high pressure systems passing to our north, and a warm and tropical airmass off our southeast coast. That may bring a mix of warm and cool days during this week.

A Mostly Dry Week



Opportunities for organized rainfall appear limited, as the predominant storm track may bypass us to the north and west. Rain should be more common at the coast as tropical moisture moving inland fuels the development of afternoon showers and storms.

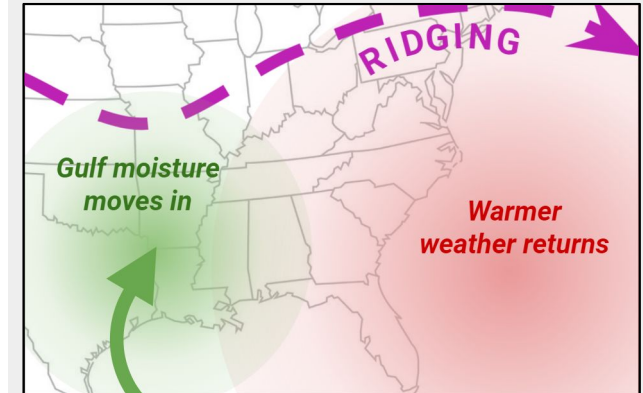
Forecast Confidence



The uncertain large-scale pattern, and potential for us to end up more on the cool or warm sides, makes this a challenging forecast.

Weeks 3-4:

September 16 to 29, 2021

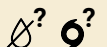


Summer Strikes Back?



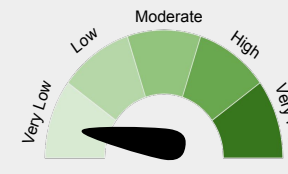
An expected return of jet stream ridging over the eastern US should put us back into a warmer pattern by late September. Normal highs this time of year are in the upper 70s, but temperatures near 90°F are climatologically possible under this sort of pattern.

Precipitation Uncertainty



Ridging overhead should keep most weather systems away, but as activity picks up at the typical peak of hurricane season, tropical storms or their remnants could still reach North Carolina. Plan for a few dry weeks but be prepared for downpours, too.

Forecast Confidence



The competing influences of ridging and increased tropical activity yield very low confidence in the late-September forecast.