



Tropical Update



12:00 PM EDT

Tuesday, September 12, 2023

Idalia Recovery Weather

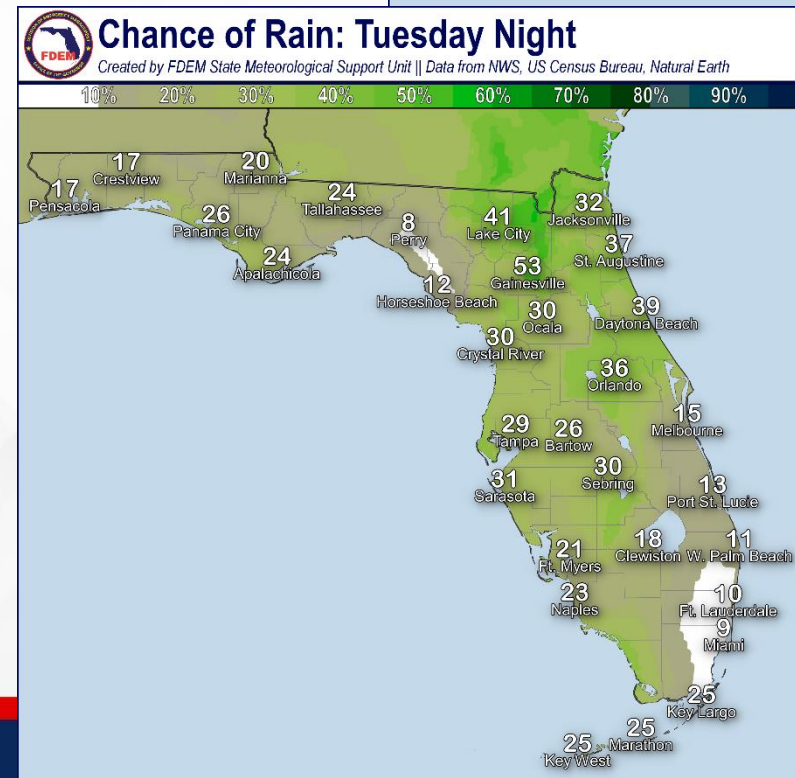
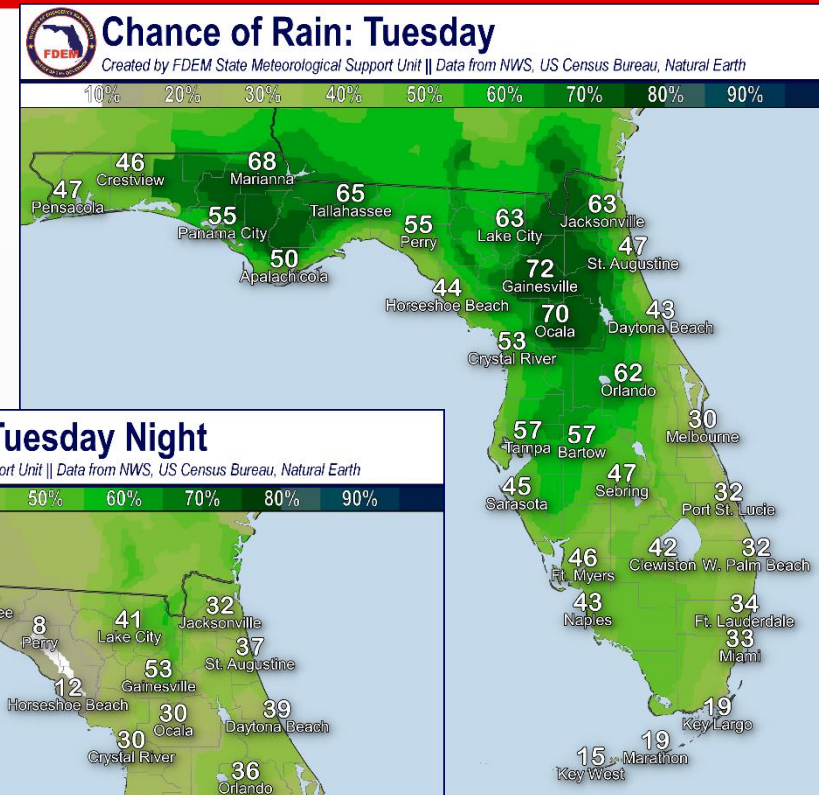
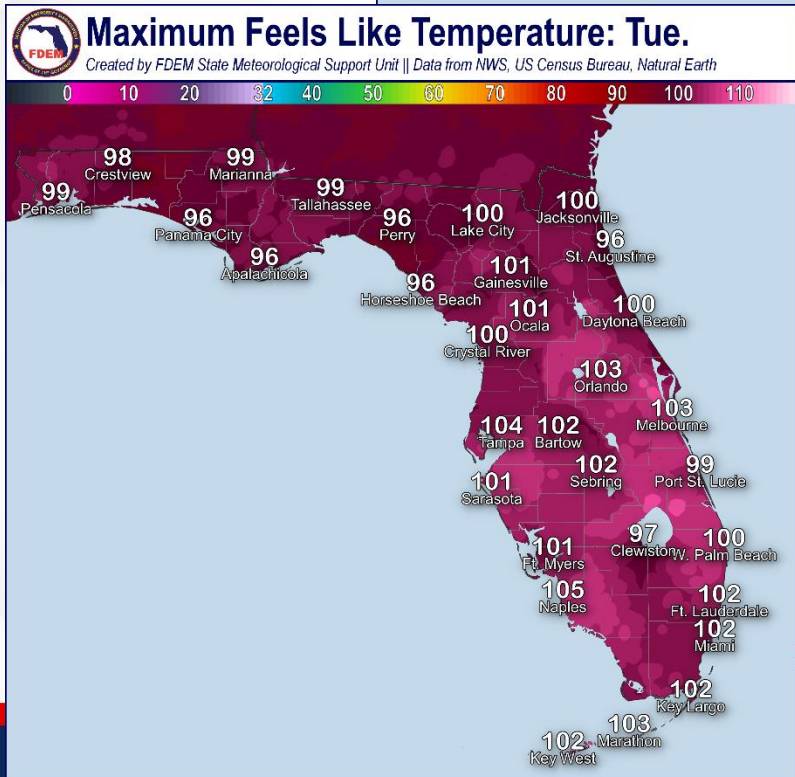
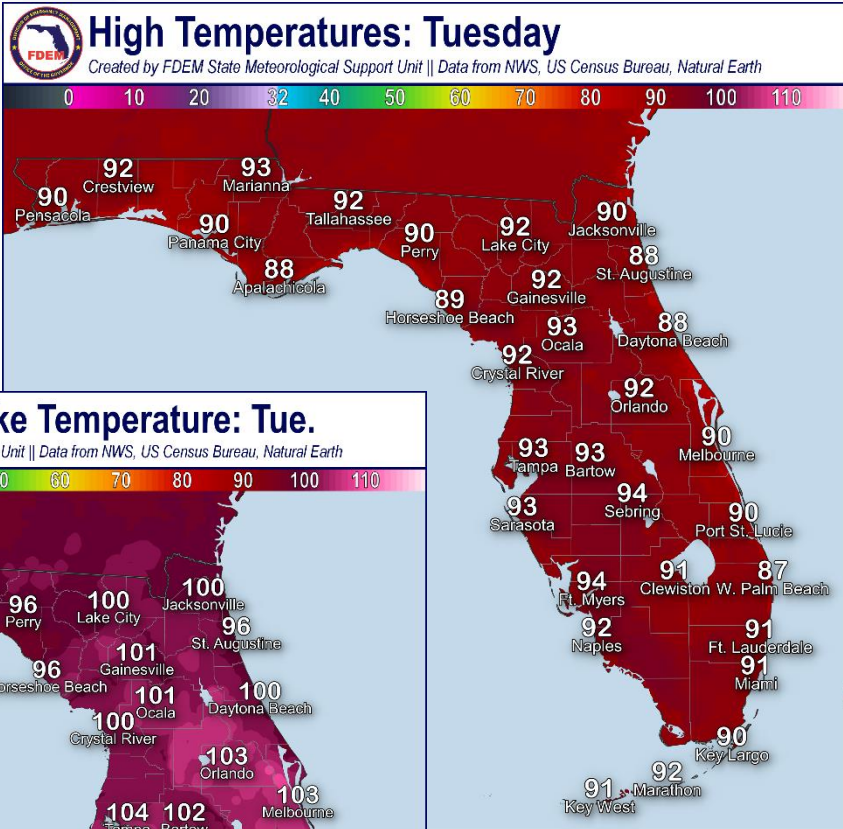
Major Hurricane Lee, Hurricane Margot and Eastern & Central Tropical Atlantic (Invest 97L & Invest 98L)

This update is intended for government and emergency response officials, and is provided for informational and situational awareness purposes only. Forecast conditions are subject to change based on a variety of environmental factors. For additional information, or for any life safety concerns with an active weather event please contact your County Emergency Management or Public Safety Office, local National Weather Service forecast office, or visit the National Hurricane Center website at www.hurricanes.gov.



Recovery Weather

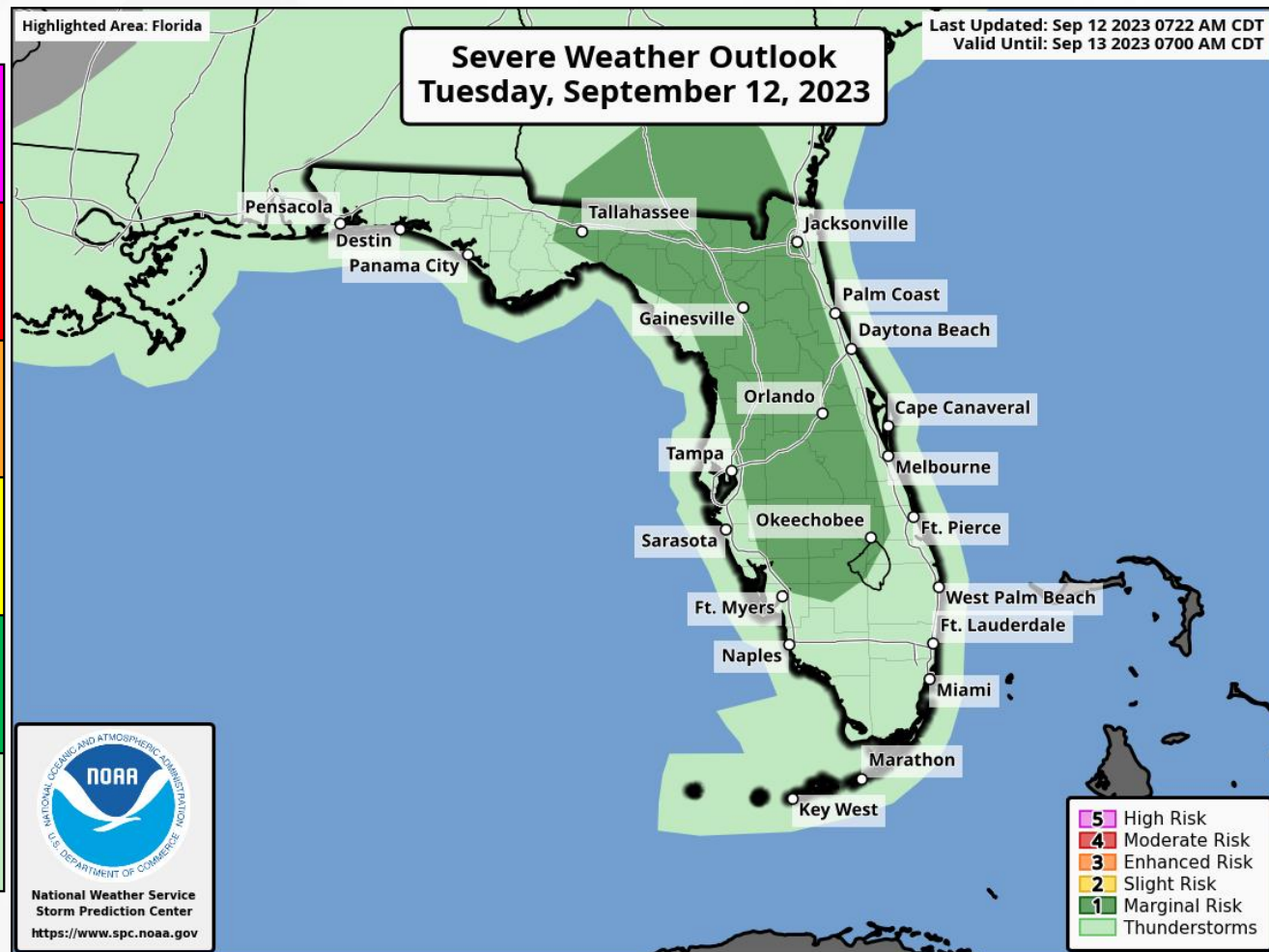
Tuesday





Severe Weather Outlook – Today

From the Storm Prediction Center



The Storm Prediction Center (SPC) is outlooking a **Marginal Risk (level 1 of 5) for Severe Weather** along the Big Bend and throughout the interior Peninsula to Lake Okeechobee. **Isolated strong to severe thunderstorms** will be capable of producing frequent lightning, damaging wind gusts (45-60 mph), and heavy downpours. Isolated instances of hail upwards of 1.25", or half-dollar size, cannot be ruled out.

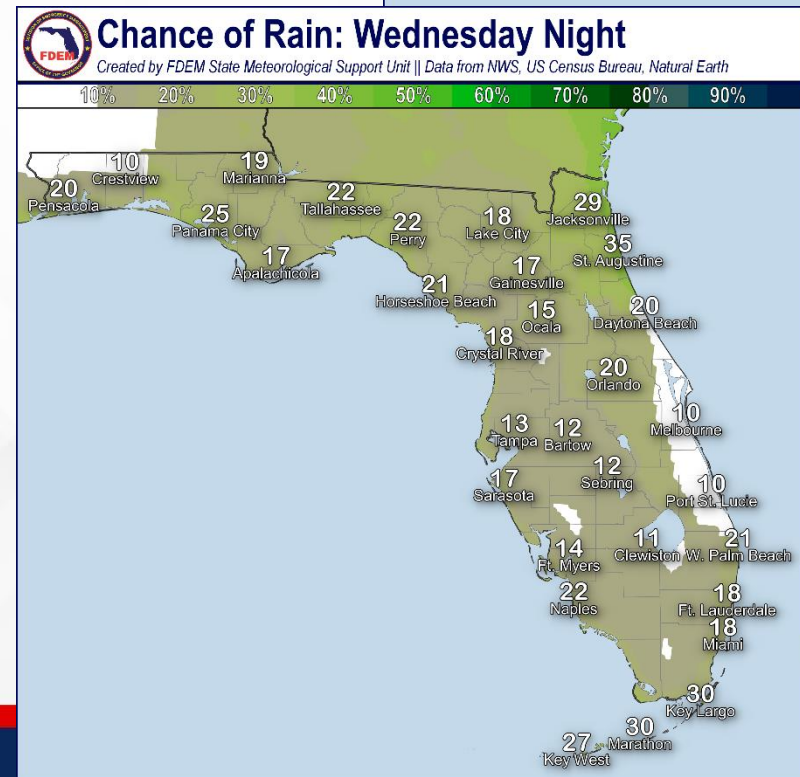
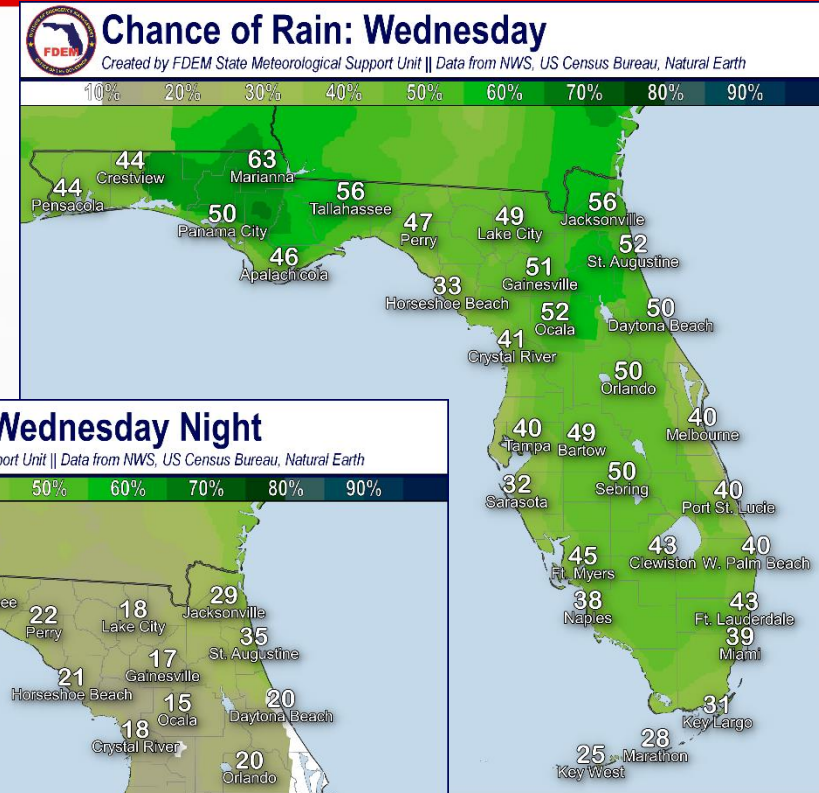
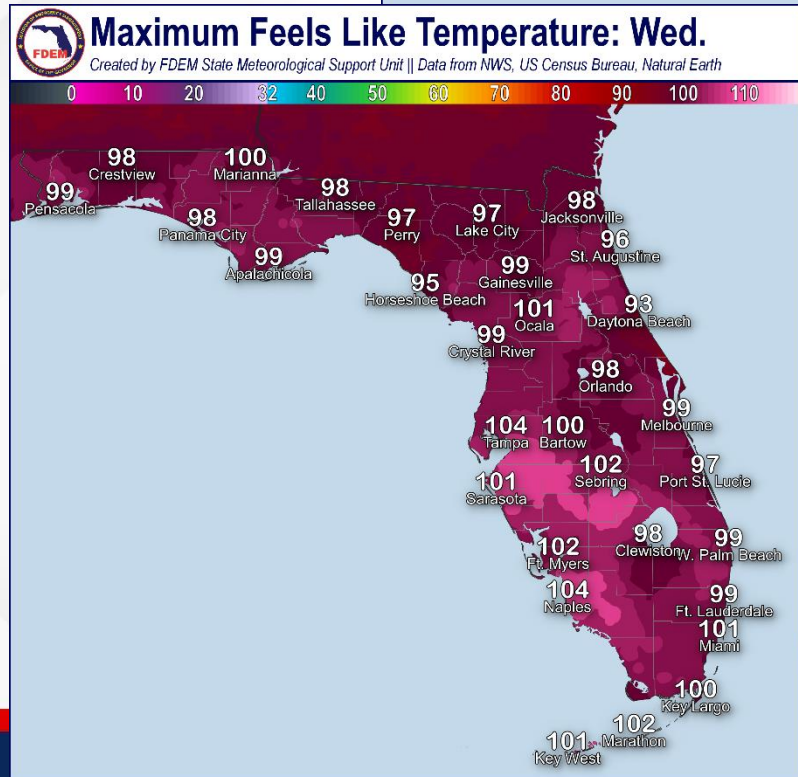
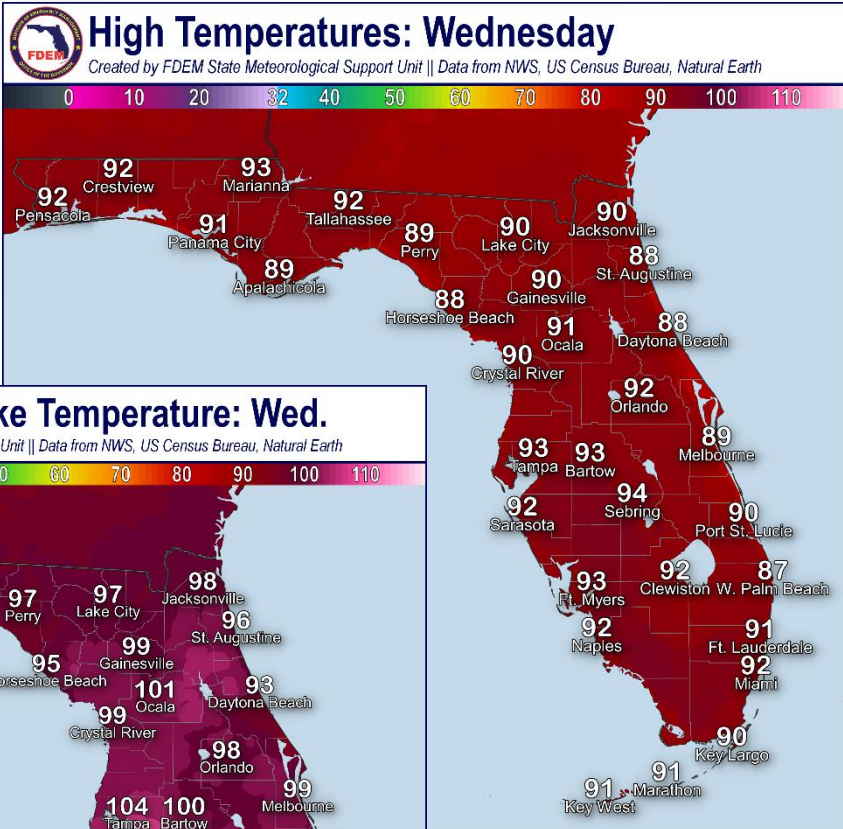
Timing: *This Afternoon – Evening*
(4:00/5:00 PM EDT - 10:00/11:00 PM EDT)

Be sure you have multiple ways to receive weather notifications this afternoon and evening!



Recovery Weather

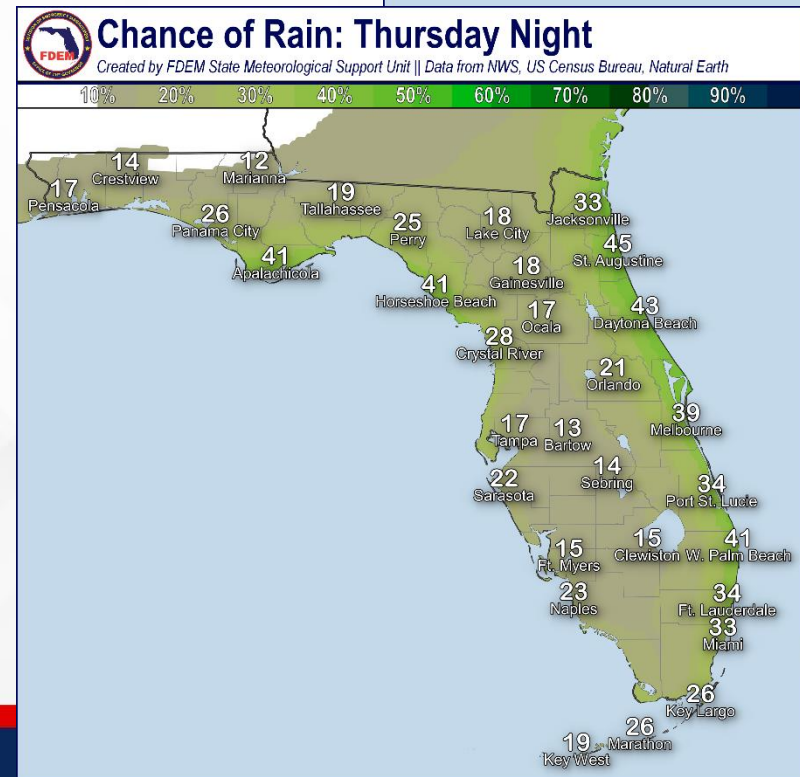
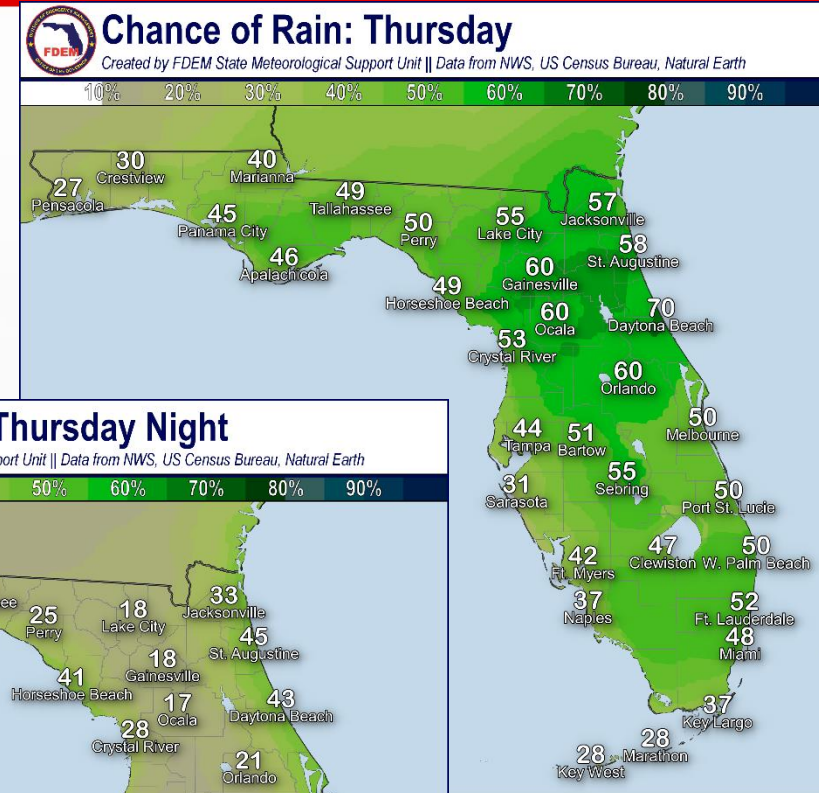
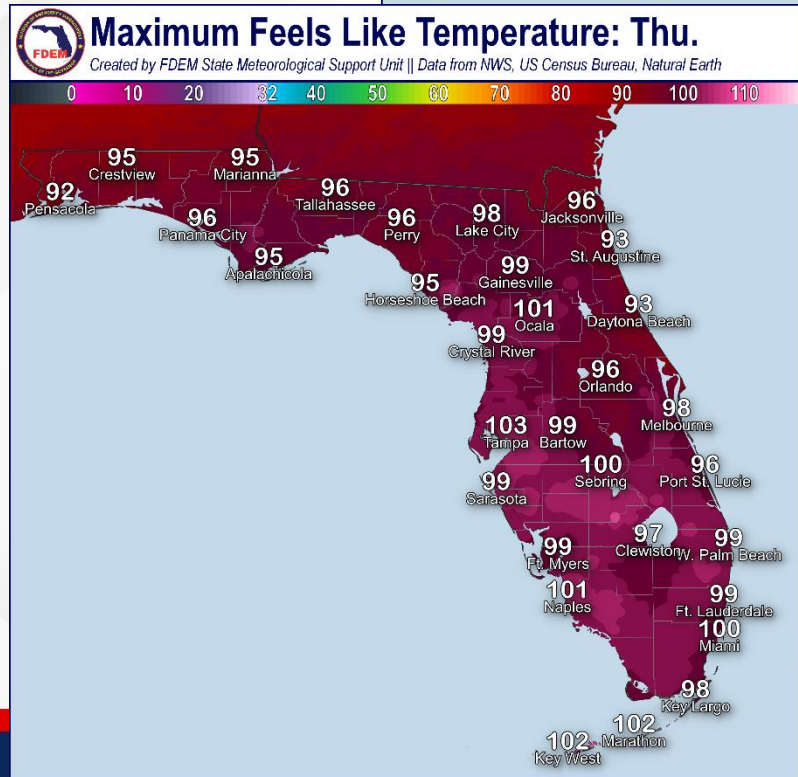
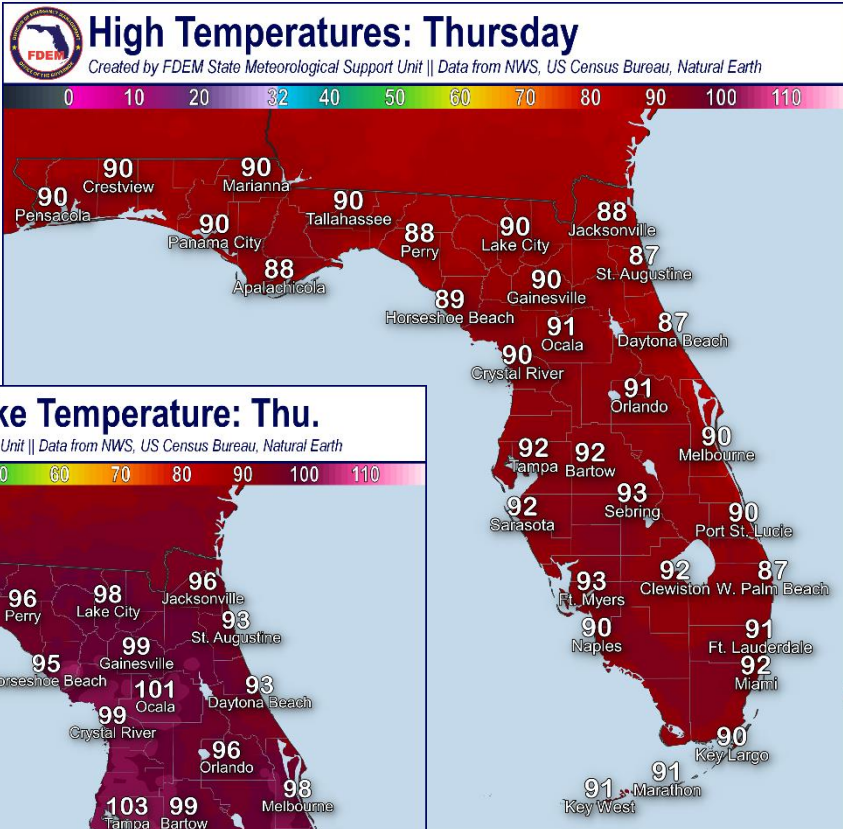
Wednesday

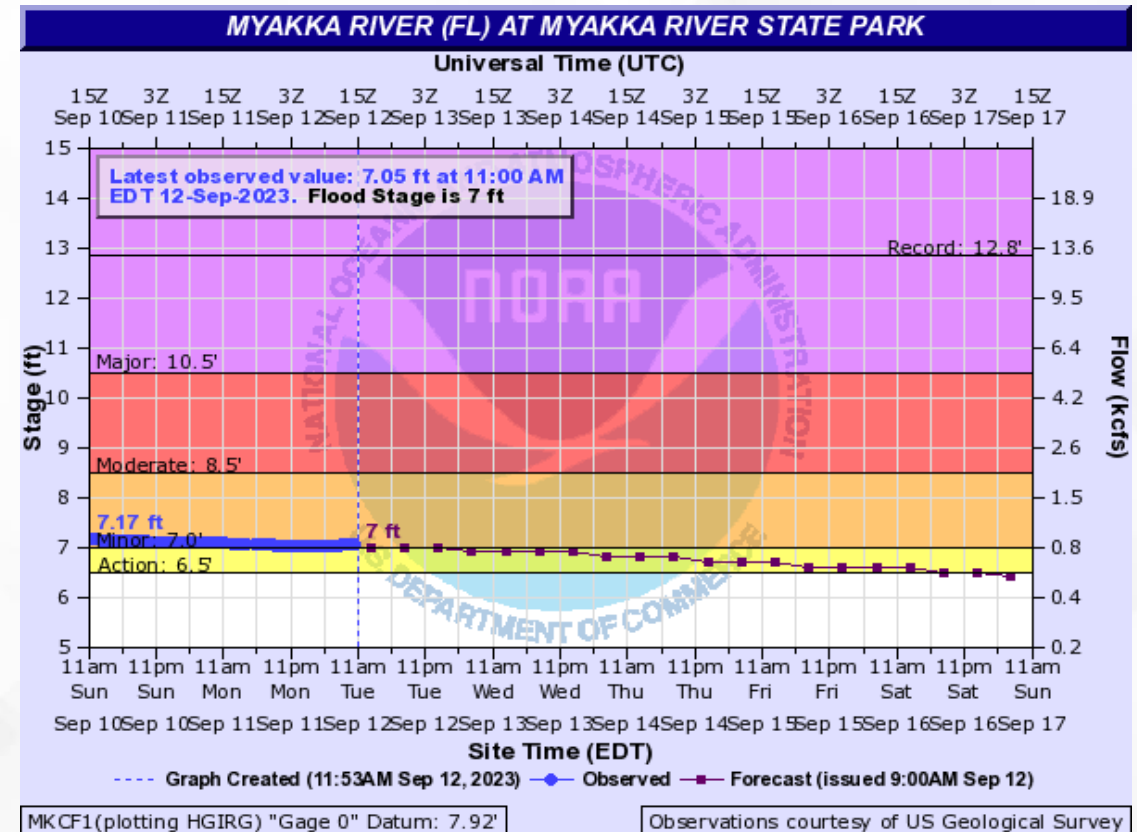
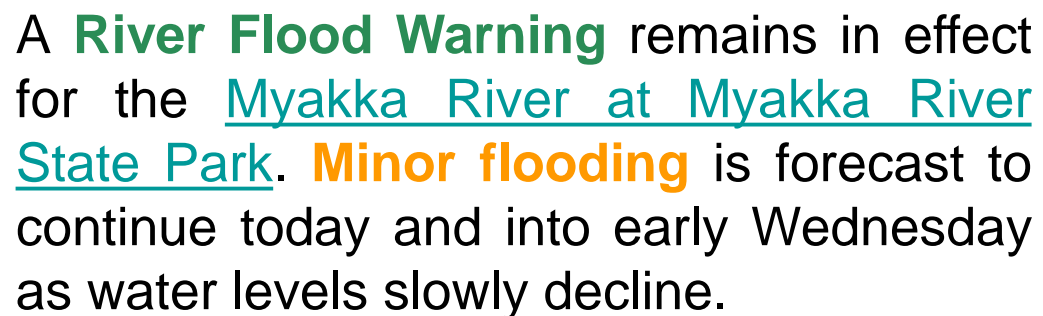




Recovery Weather

Thursday







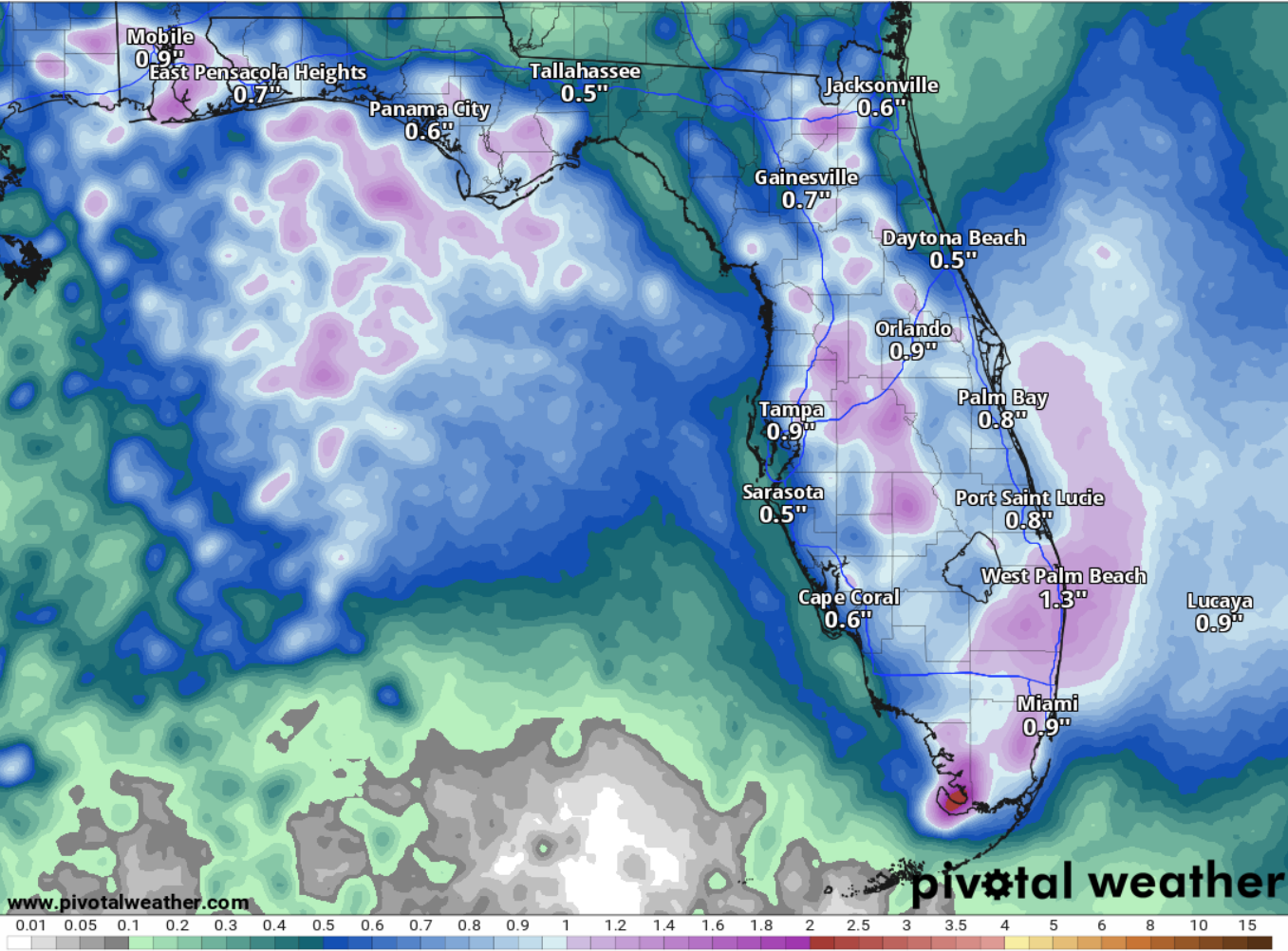
5-Day Forecast Rainfall

From the National Weather Service & Weather Prediction Center

120-Hour Precipitation (in)

Ending Sunday, Sep. 17, 2023 at 8 a.m. EDT

Init: Tue 2023-09-12 12z WPC

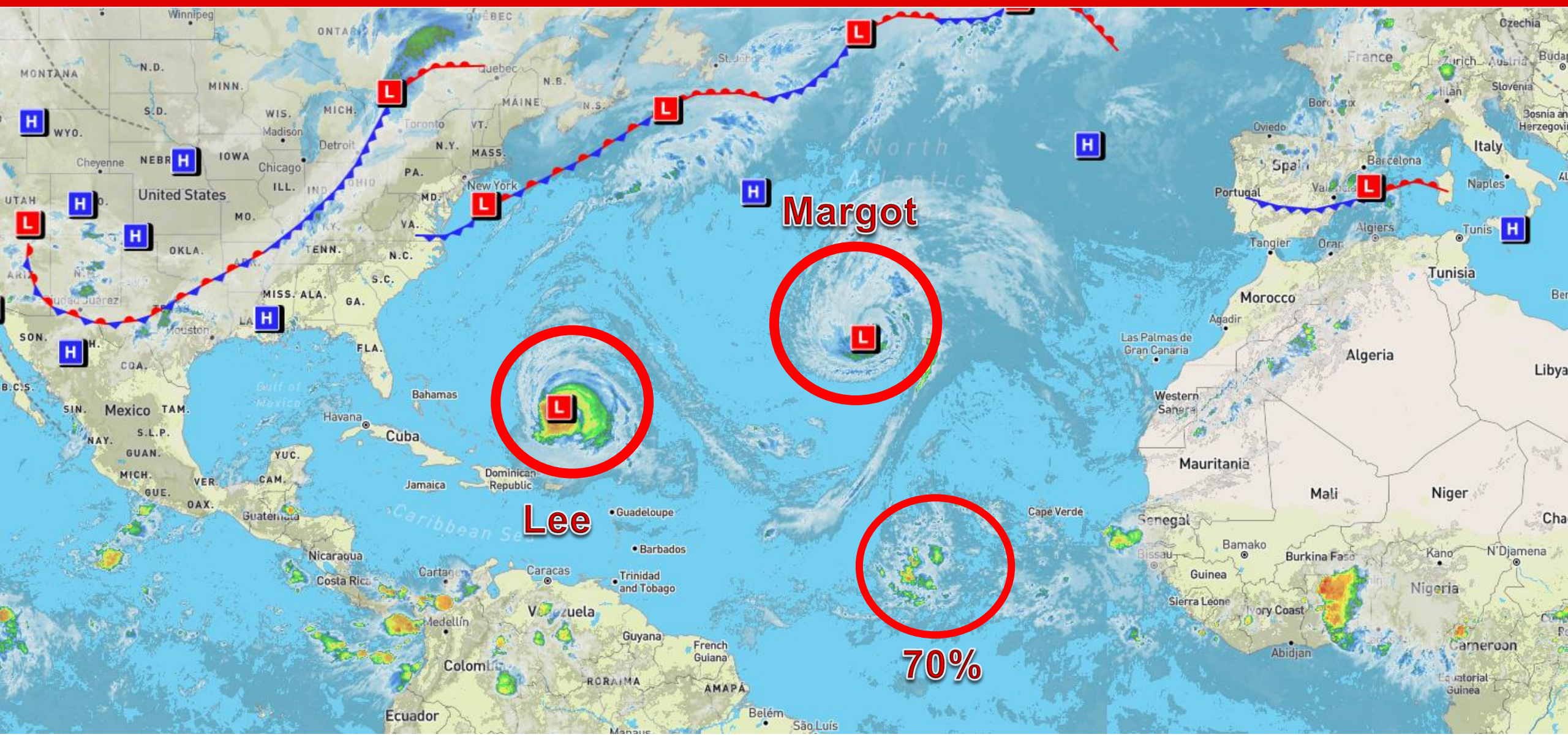


The active weather pattern is expected to continue as daily showers and thunderstorms can be expected. The daily sea breeze will help to enhance daily showers and thunderstorms as it moves inland throughout the day. A cool front will approach the Panhandle by the middle-to-latter portions of this week, which will also help to bring additional rainfall across the state. Rainfall totals over the next 5 days will range from 1-3" with locally higher totals of 4-6" possible.



Atlantic Basin Satellite Image

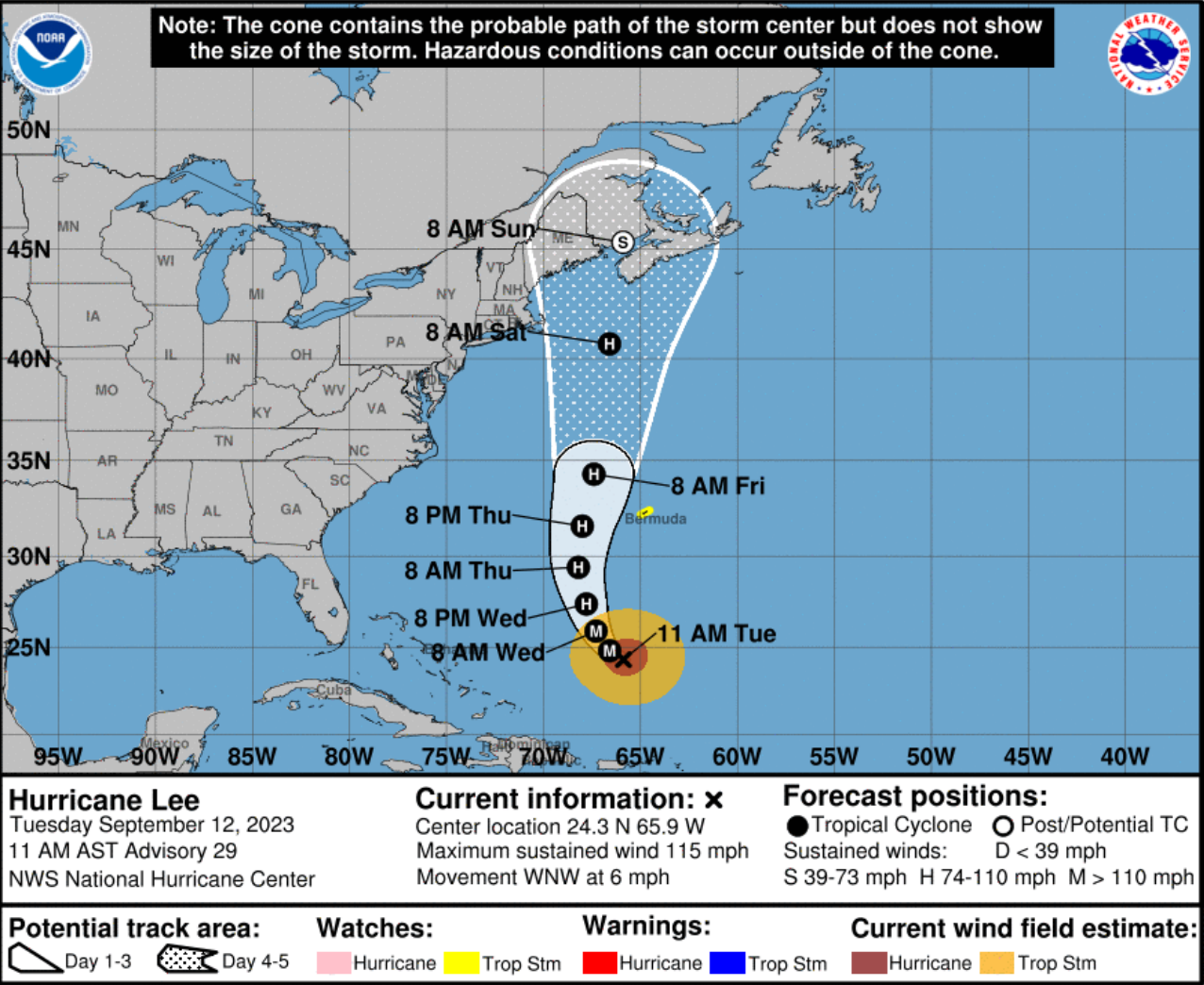
Chance of development: None Low Medium High





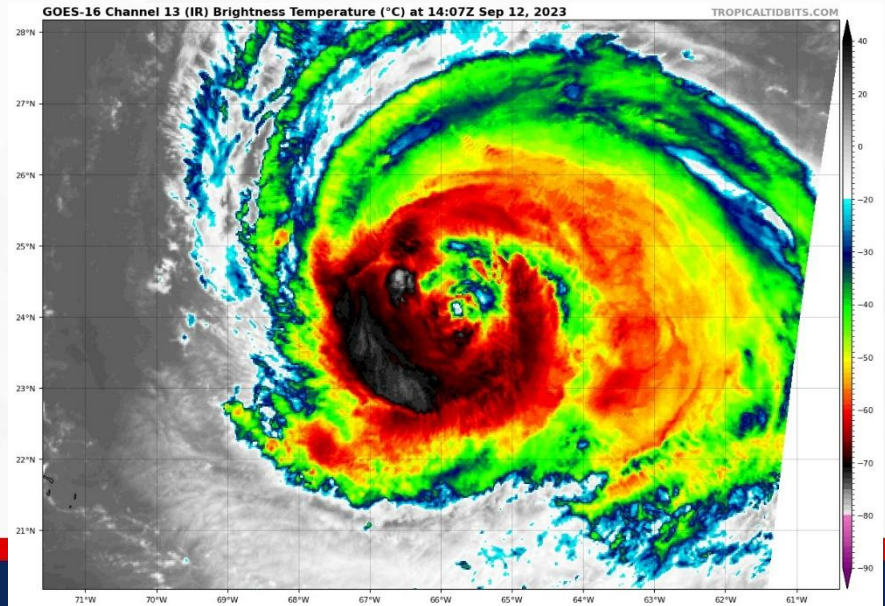
Forecast Cone

Major Hurricane Lee ([LINK](#))



- **Location:** 555 miles S of Bermuda
- **Maximum Sustained Winds:** 115 mph; Category 3
- **Current Movement:** WNW at 6 mph
- **FL Watches/Warnings:** None

A slow west-northwest to northwest motion is expected during the next day or two, followed by a turn toward the north by midweek. On the forecast track, Lee is expected to pass near, but to the west of, Bermuda in a few days. Some slow weakening is forecast during the next 48 hours, but Lee is expected to remain a large and powerful hurricane. *Lee poses no direct threat to Florida, but will continue to be monitored as it will bring dangerous beach and boating conditions along the East Coast.*





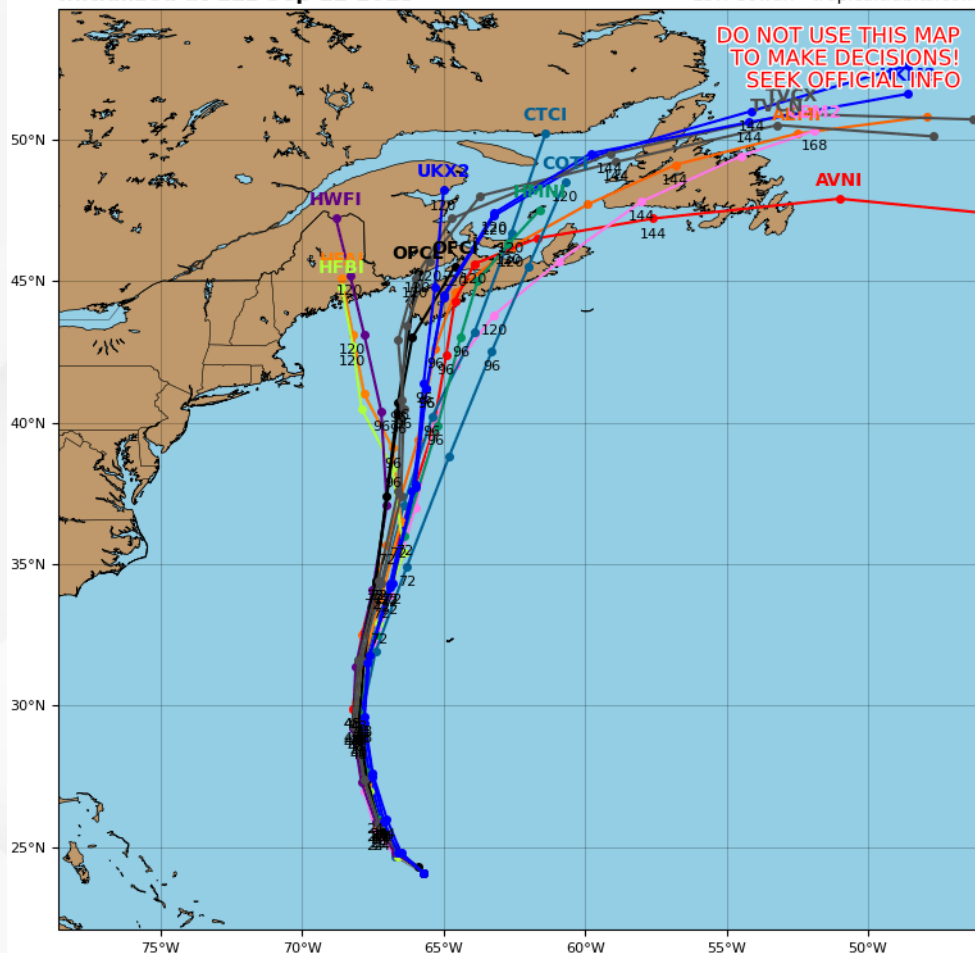
Model Forecasts – Next 5 Days

Major Hurricane Lee

Hurricane LEE Model Track Guidance

Initialized at 12z Sep 12 2023

Levi Cowan - tropicaltidbits.com

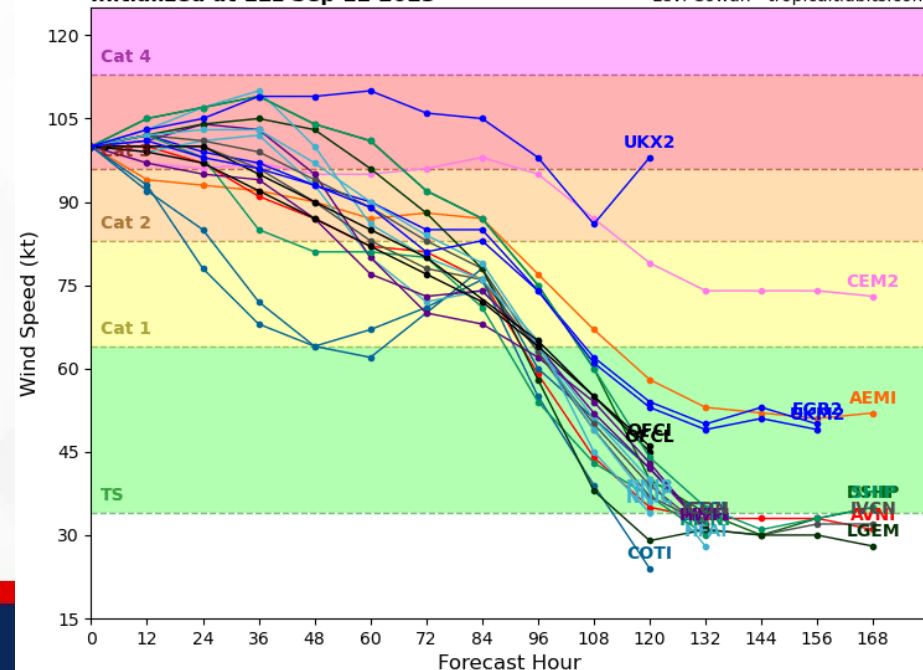


Computer models are in good agreement that Major Hurricane Lee will continue on a west-northwestward to northwestward motion before turning toward the north. Computer models are in decent agreement that the system will continue northward through 72 hours, but afterwards there is greater uncertainty as to the direction and motion of the system. Computer models are in decent agreement that there is no significant change in strength expected within the next 24-36 hours. Afterwards, the system is forecast to enter a less conducive atmospheric and oceanic environment that will give way to gradual weakening through midweek. Later this week, more significant weakening is indicated as the system will be over much cooler waters and stronger upper-level winds.

Hurricane LEE Model Intensity Guidance

Initialized at 12z Sep 12 2023

Levi Cowan - tropicaltidbits.com

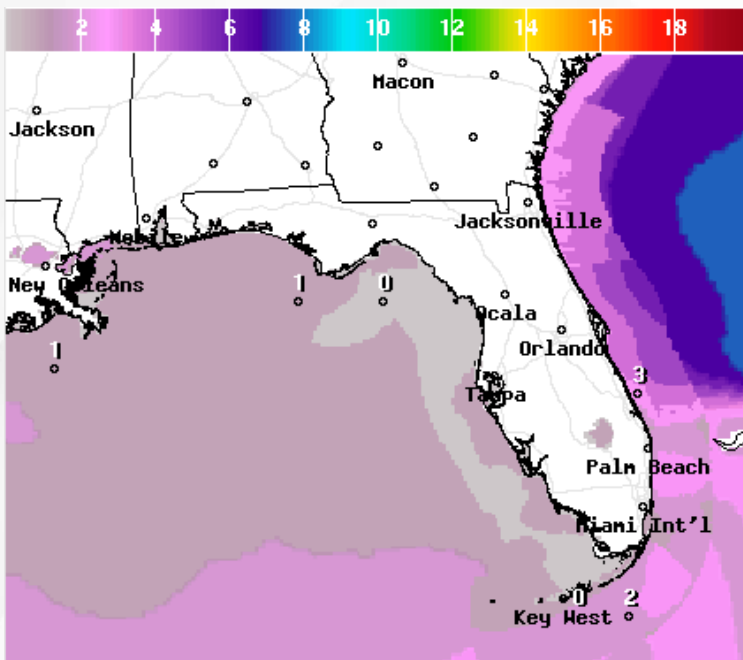




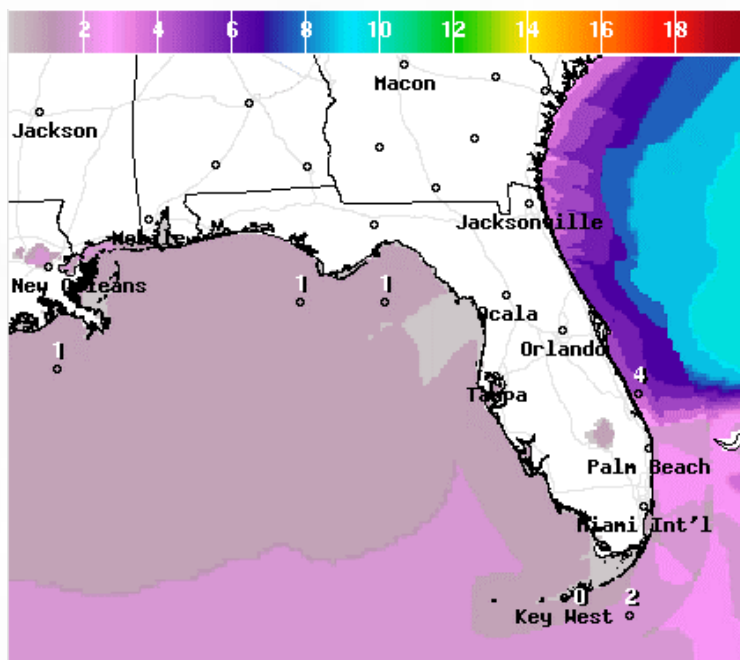
Coastal Impacts from Distant Lee

Atlantic Coast Beaches

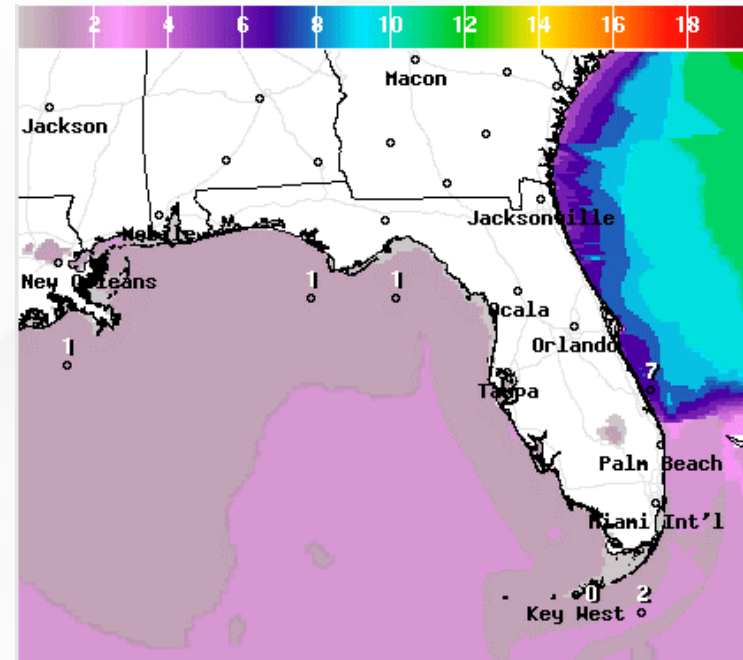
Tuesday PM



Wednesday PM



Thursday PM

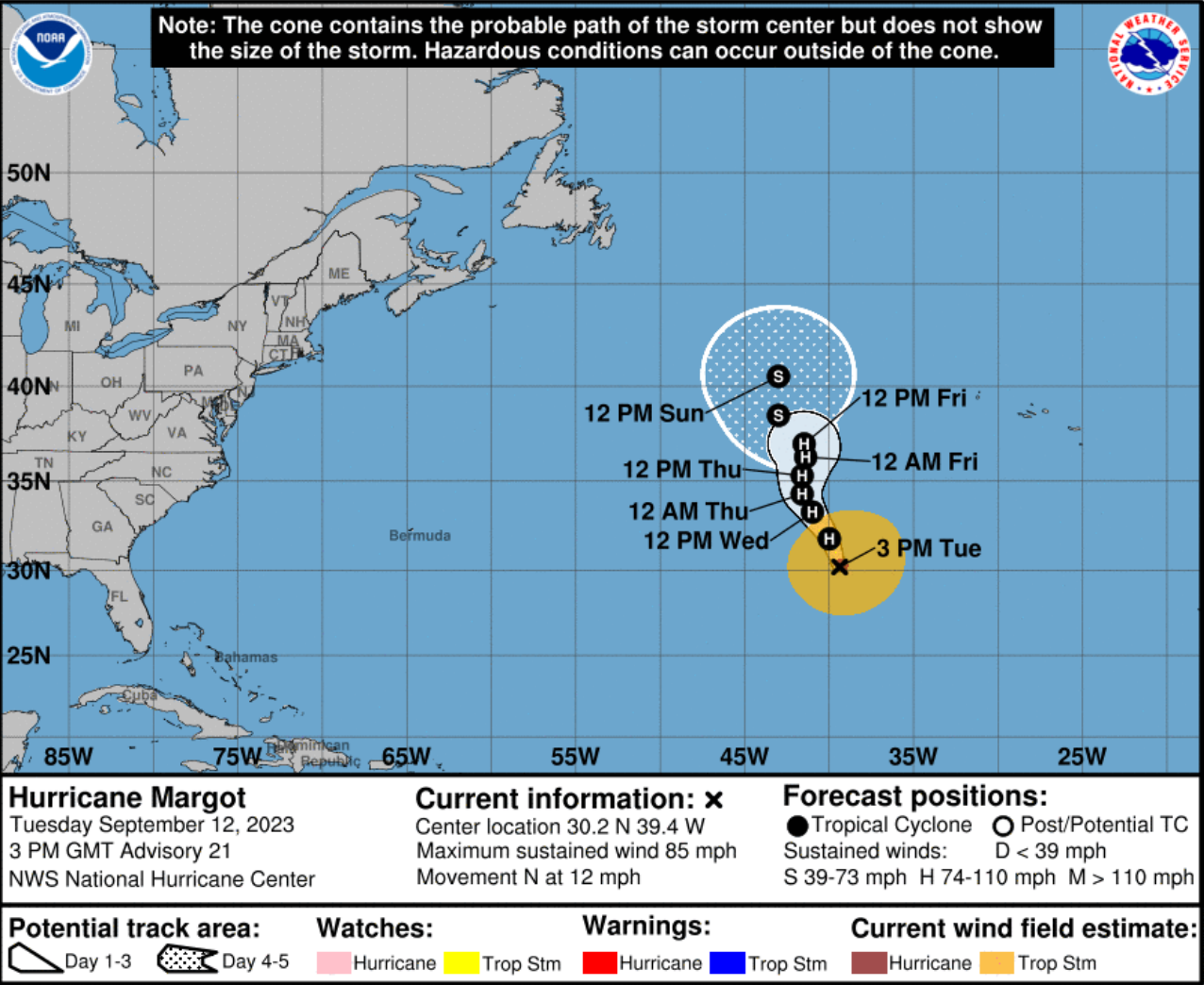


Long-period ocean swells can be expected to develop along the Florida East Coast beginning Tuesday due to distant Major Hurricane Lee. As the system continues well east of the U.S. East Coast, it will bring dangerous beach and boating conditions. **Wave heights** will continue to grow through the middle of the week reaching **6-8'** by Thursday along Northeast and Space Coast beaches, with breaking waves further **offshore upwards of 10-12'**. High Surf Advisories will likely be issued starting tomorrow. These beaches can also expect a **high risk for rip currents** through the rest of the week.



Forecast Cone

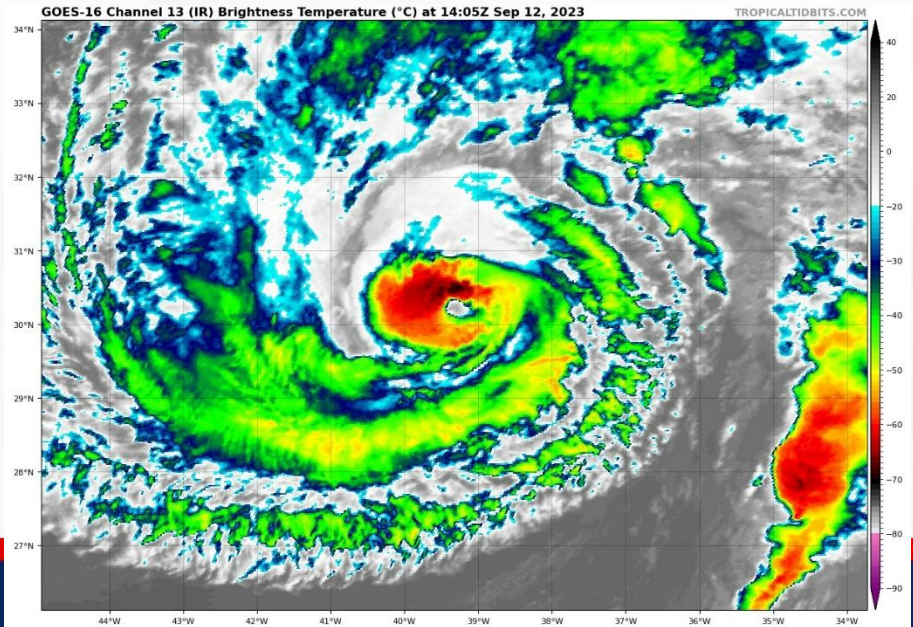
Hurricane Margot ([LINK](#))



- **Location:** 890 miles SW of the Azores
- **Maximum Sustained Winds:** 85 mph; Category 1
- **Current Movement:** N at 12 mph
- **FL Watches/Warnings:** None

A turn toward the north-northwest at a slower forward speed is expected beginning tomorrow, followed by a gradual turn back generally toward the north at an even slower speed on Thursday and Friday. Little change in strength is expected for the next several days, but short term fluctuations are possible.

Margot poses no threat to Florida.





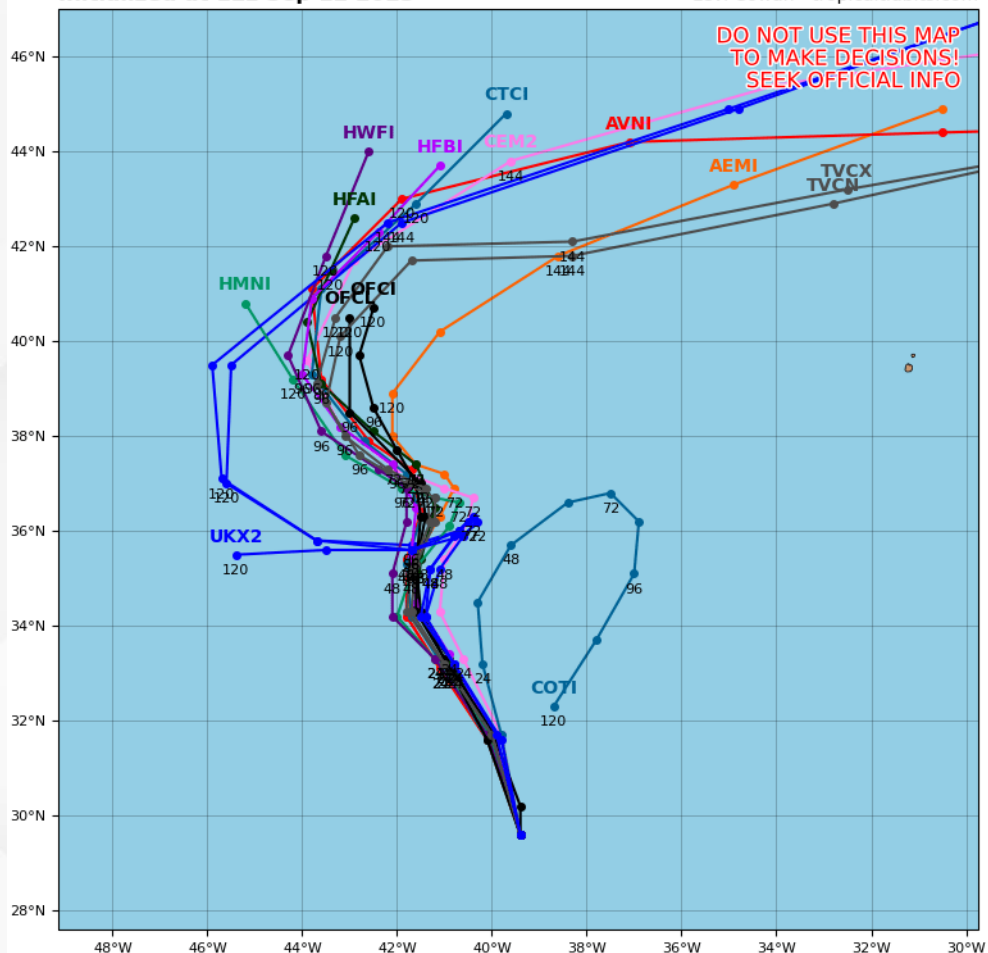
Model Forecasts – Next 5 Days

Hurricane Margot

Hurricane MARGOT Model Track Guidance

Initialized at 12z Sep 12 2023

Levi Cowan - tropicaltidbits.com

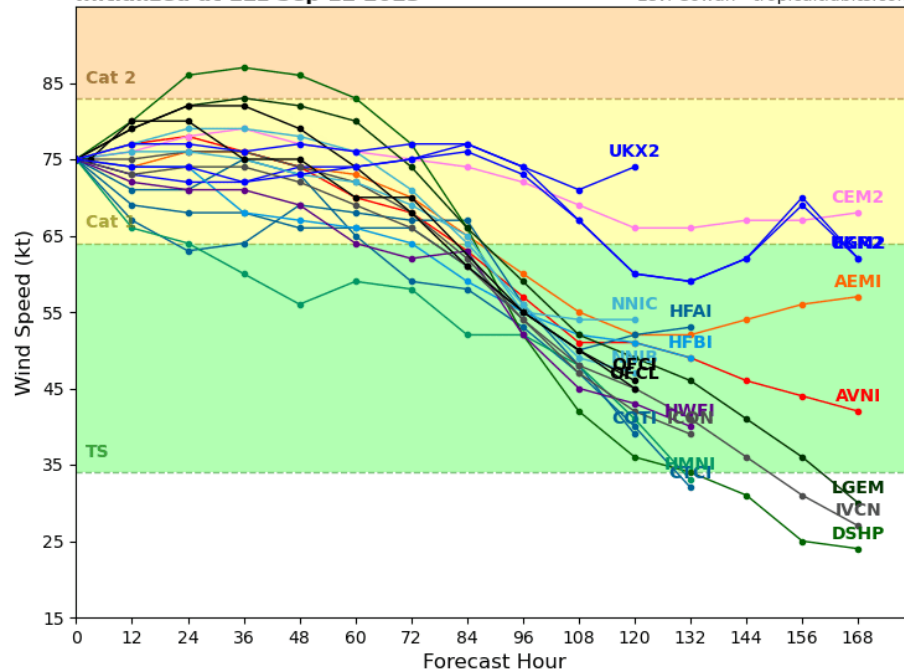


Computer models are in good agreements that Margot will turn towards the north-northwest tomorrow and continue for the next 48-72 hours; however, after that there is greater uncertainty with the system's movement. The system's movement and intensity will depend on the placement and strength of an area of high pressure north of Margot. Computer models are in decent agreement that the system will maintain its intensity for the next several days, with possible small fluctuations. Weakening is forecast to begin after 72 hours as the system moves over less favorable atmospheric and oceanic conditions.

Hurricane MARGOT Model Intensity Guidance

Initialized at 12z Sep 12 2023

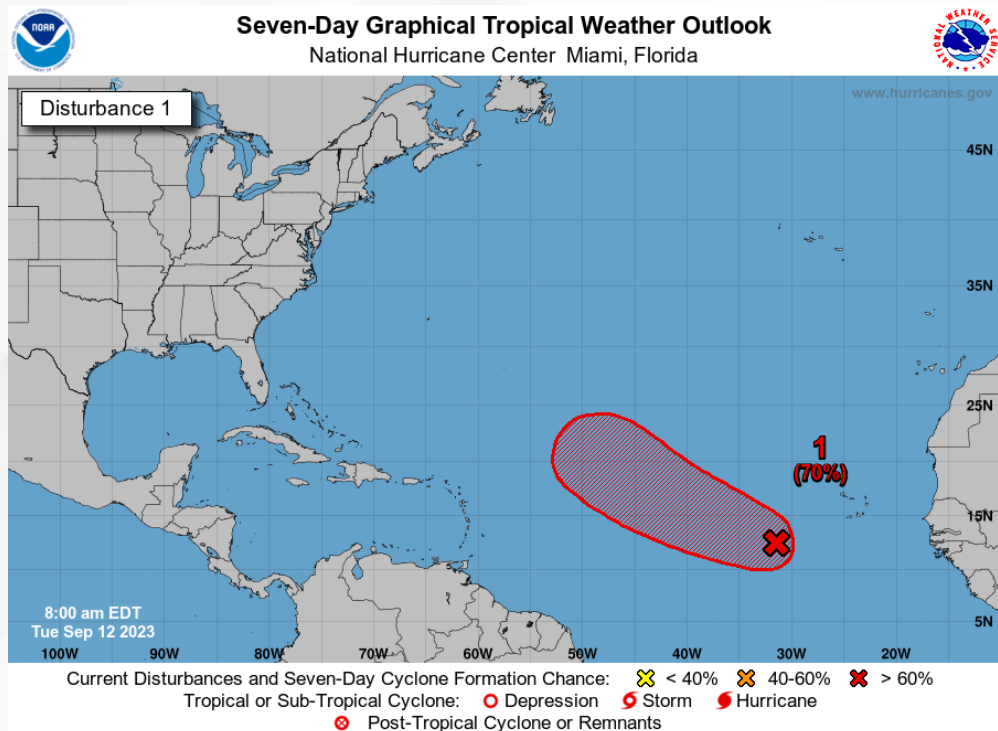
Levi Cowan - tropicaltidbits.com



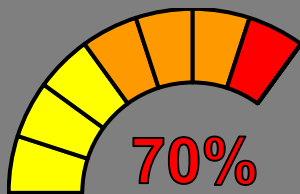


Tropical Weather Outlook

Disturbance 1 – Eastern & Central Tropical Atlantic ([LINK](#))



48 Hour Formation



7 Day Formation

A broad area of low pressure over the eastern tropical Atlantic continues to produce disorganized showers and thunderstorms. This system is expected to consolidate with a low on the western side, and become dominant over the next day or so. Gradual development of the low is expected after that, and a tropical depression is likely to form by this weekend as the system moves across the central tropical Atlantic.

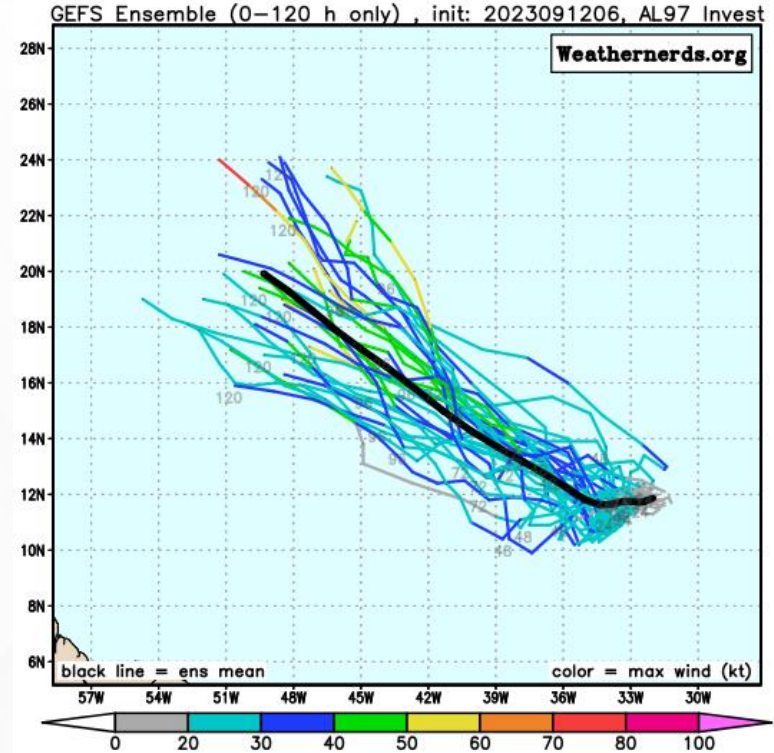
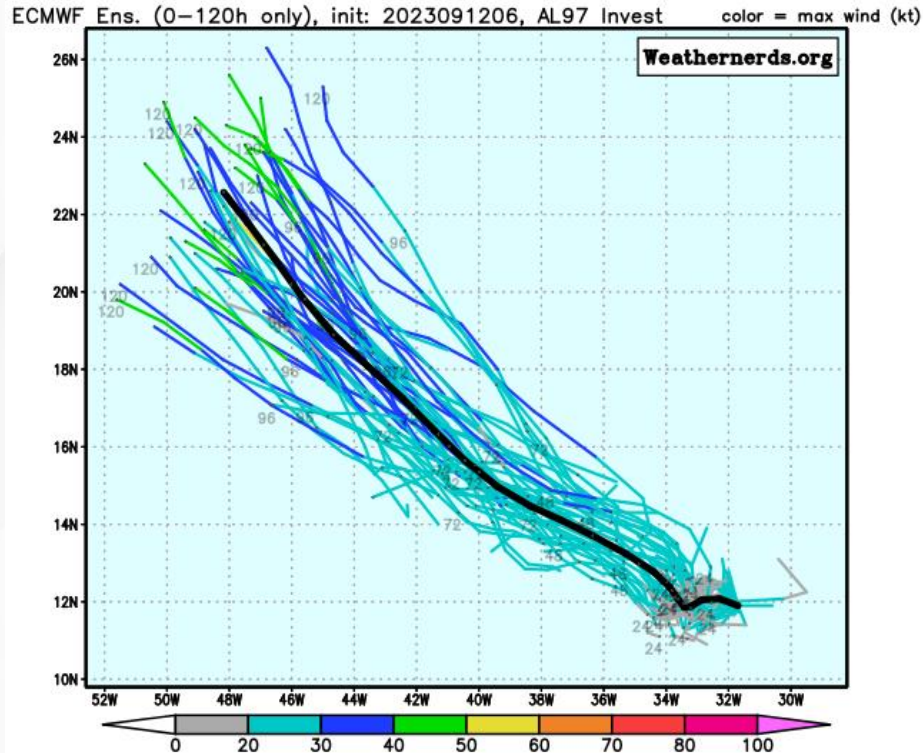
This system poses no direct threat to Florida at this time.

- * Formation chance through 48 hours...**low...20%..**
- * Formation chance through 7 days...**high...70%.**



Model Forecasts – Next 5 Days

Atlantic Basin- Merged Invest 97L & Invest 98L



Computer models are in some agreement with the direction of combined Invest 97L and 98L over the central tropical Atlantic. There is agreement that this system will continue to move west-northwestward to northwestward over the central Atlantic over the next 5 days.

Environmental conditions are forecast to allow gradual development of this system through the weekend. There remains some disagreement within computer model guidance about the overall evolution of the system, including exact position and timing of the development. It is still too early to determine the size and intensity of this system as it does not have a defined center of circulation. Trends within computer model guidance will continue to be monitored as the system moves through the central tropical Atlantic this week and into the weekend.



Summary

Major Hurricane Lee:

- As of 11:00 AM EDT, Lee is located about 555 miles south of Bermuda and moving west-northwestward at 6 mph.
- A slow west-northwest to northwest motions is expected during the next day or two, followed by a turn toward the north by midweek.
- Maximum sustained winds are near 115 mph (Category 3) with higher gusts.
- Some slow weakening is forecast during the next 48 hours, but Lee is expected to remain a large and powerful hurricane.
- *Lee poses no direct threat to Florida, but continues to be monitored as the system will bring dangerous beach and boating conditions along the Florida East Coast through the middle-to-latter portions of this week.*

Hurricane Margot:

- As of 11:00 AM EDT, Margot is located about 890 miles southwest of the Azores and moving northward at 12 mph.
- A turn toward the north-northwest at a slower forward speed is expected beginning tomorrow, followed by a turn back generally toward the north at an even slower speed Thursday and Friday.
- Little change in strength is expected for the next several days, but short term fluctuations are possible.
- *Margot poses no threat to Florida.*

Eastern and Central Tropical Atlantic (Invest 97L & Invest 98L):

- A broad area of low pressure over the eastern tropical Atlantic continues to produce disorganized showers and thunderstorms.
- This system is expected to consolidate with a low on the western side and become the dominant over the next day or so, and gradual development of the low is expected after that.
- A tropical depression is likely to form by this weekend while the system moves west-northwestward to northwestward across the central tropical Atlantic.
- This system has a high chance (70%) formation chance through the next 7 days.
- *This system poses no direct threat to Florida at this time.*

Florida Outlook:

- An active weather day can be expected along the Big Bend and throughout the central Peninsula as scattered to numerous showers and thunderstorms are forecast this afternoon and evening (45-75% chance of rain).
- The Storm Prediction Center (SPC) is outlooking a Marginal Risk (level 1 of 5) for Severe Weather from the Capital City and through the interior Peninsula to Lake Okeechobee as isolated strong to severe thunderstorms will be possible during the peak heating hours of the day.
- Any strong to severe thunderstorm that develops will be capable of producing frequent lightning, damaging wind gusts (45-60 mph), and heavy downpours. Isolated hail of 1.25", or half-dollar size, cannot be ruled out at times within stronger thunderstorm activity.
- While there is no organized risk for flash flooding, heavy and intense downpours over recently saturated grounds could give way to instances of localized flooding and ponding of water.
- High temperatures in the upper 80s to low 90s can be expected, with heat index values well into the upper 90s and triple digits (100-105).
- Growing dangerous beach and boating conditions can be expected for several Florida East Coast beaches due to distant Hurricane Lee.
- The next name on the list Nigel.

The next briefing package will be issued on Wednesday. For the latest information, please visit the [National Hurricane Center website](#).



Tropical Update



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State Meteorological Support Unit

Florida Division of Emergency Management

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