



Tropical Update



12:00 PM EDT

Wednesday, September 6, 2023

Idalia Recovery Weather

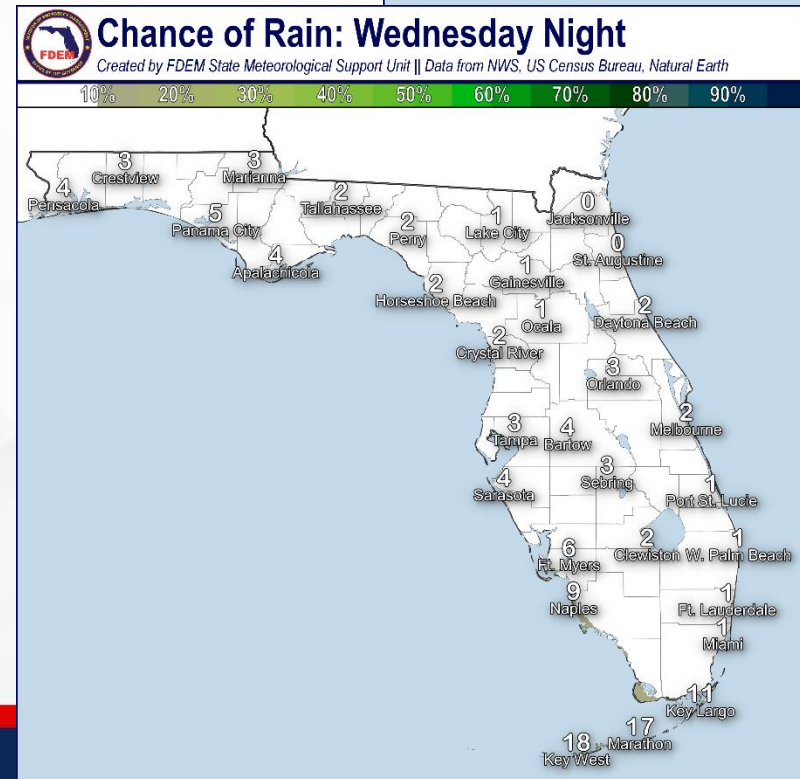
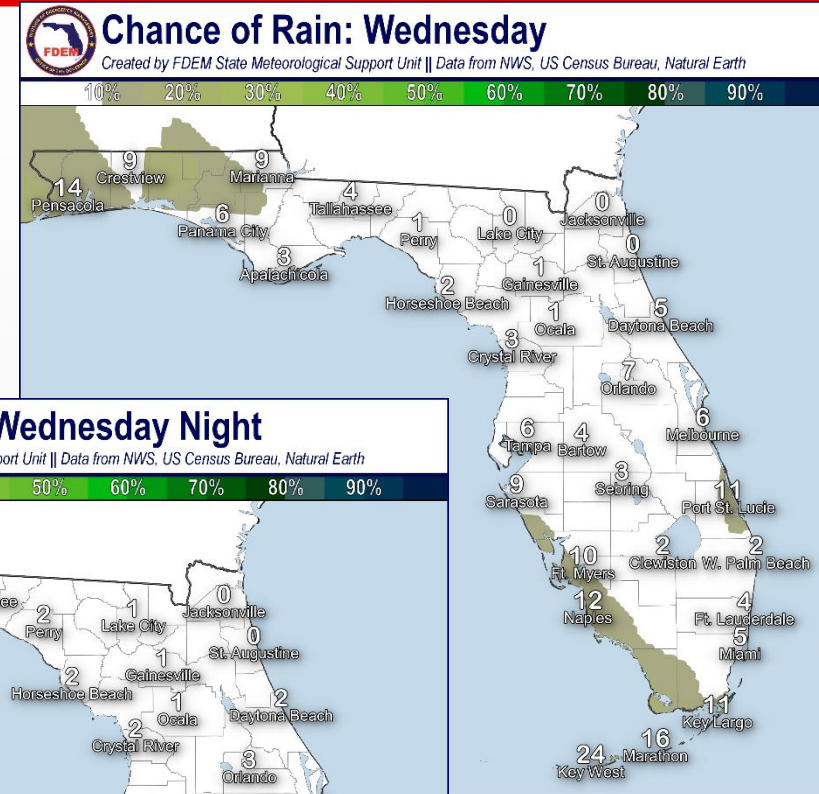
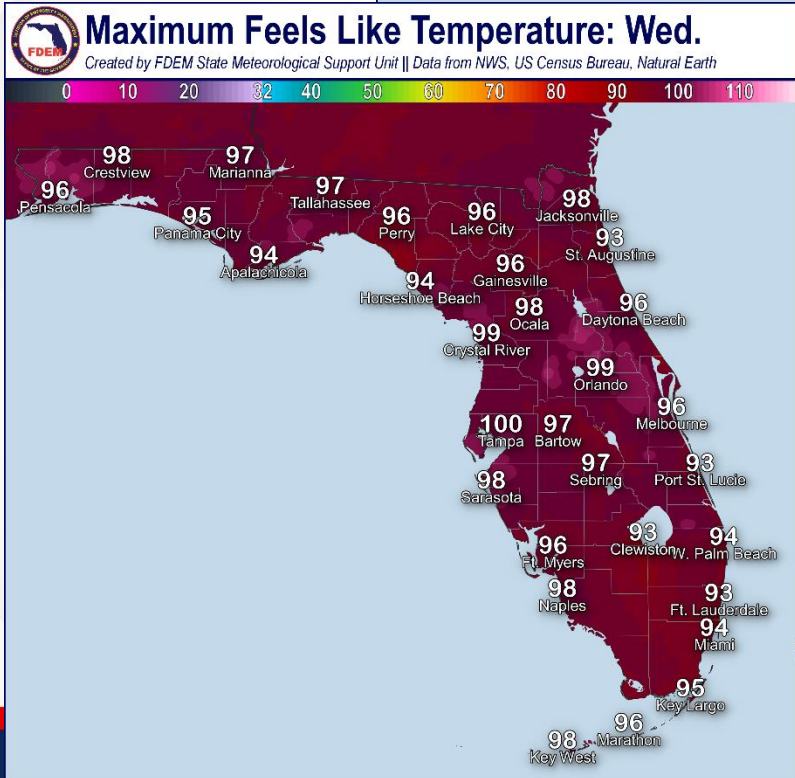
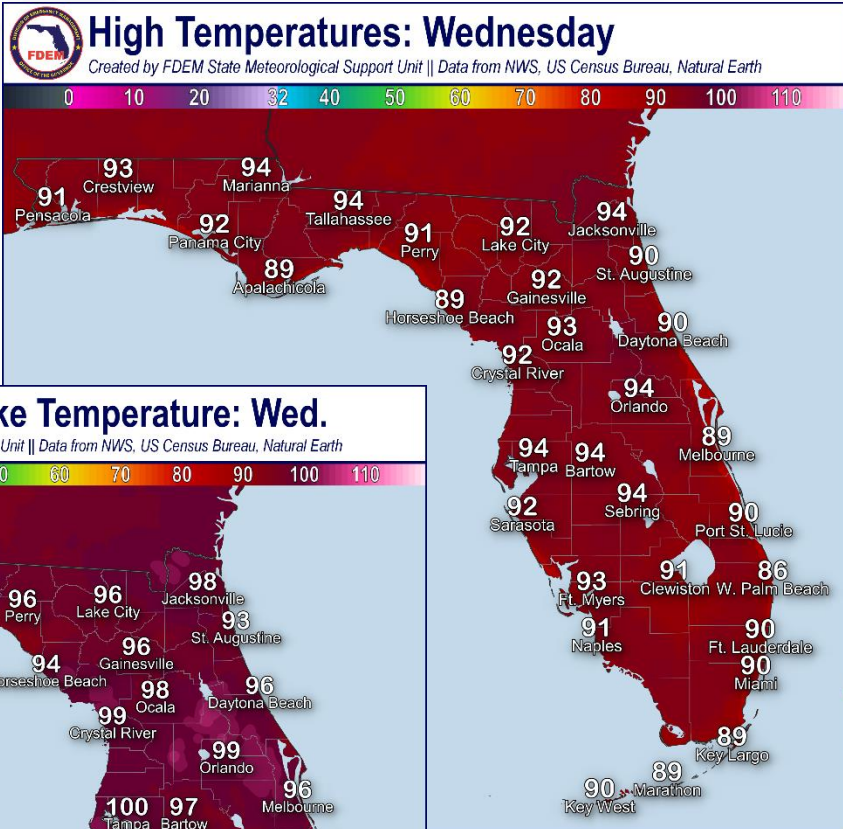
Tropical Storm Lee, Invest 96L (60%), & Former Franklin (10%)

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

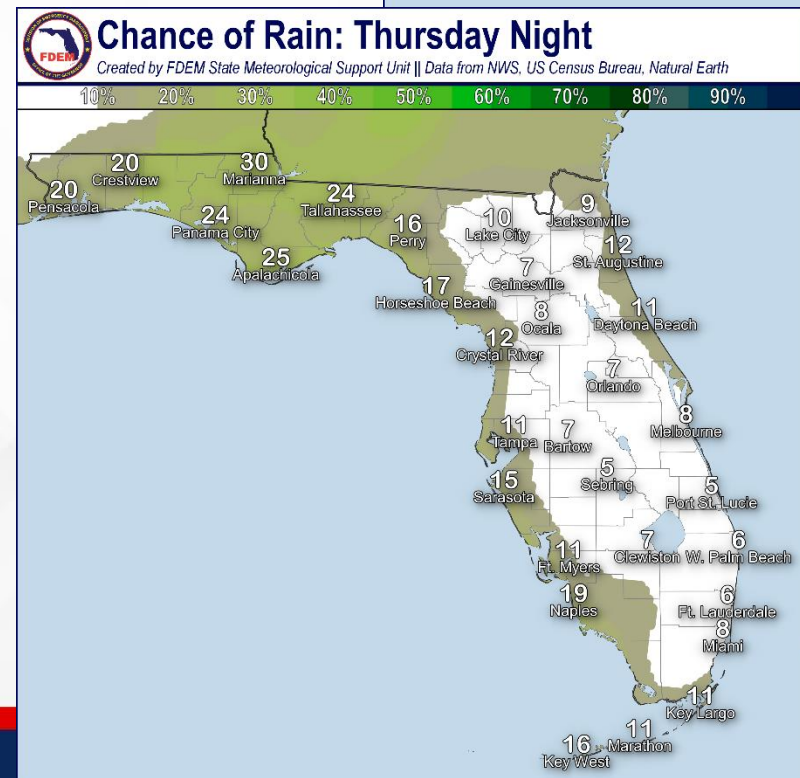
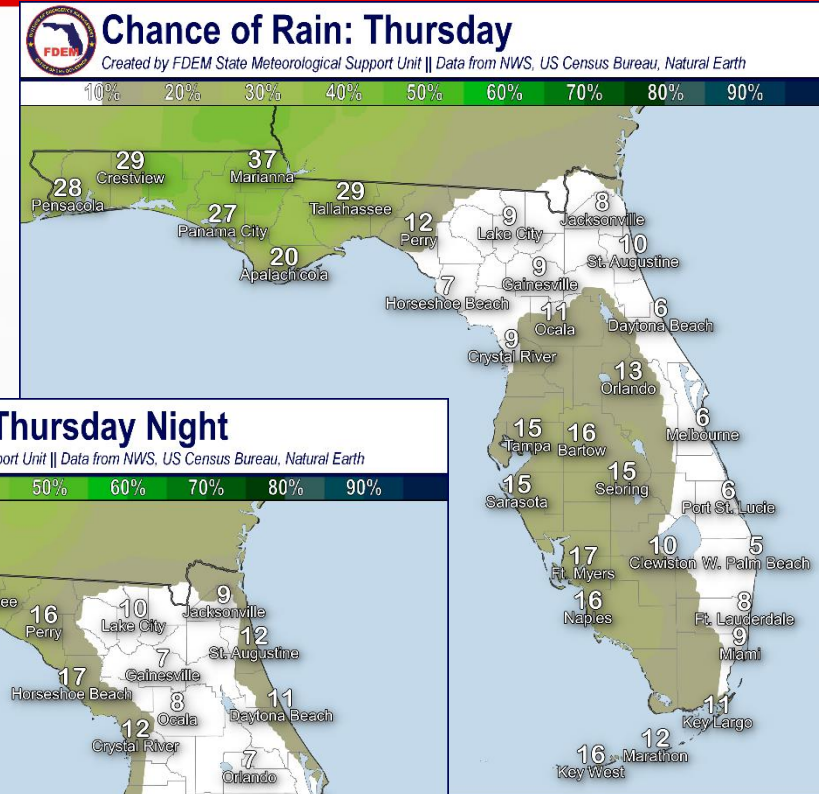
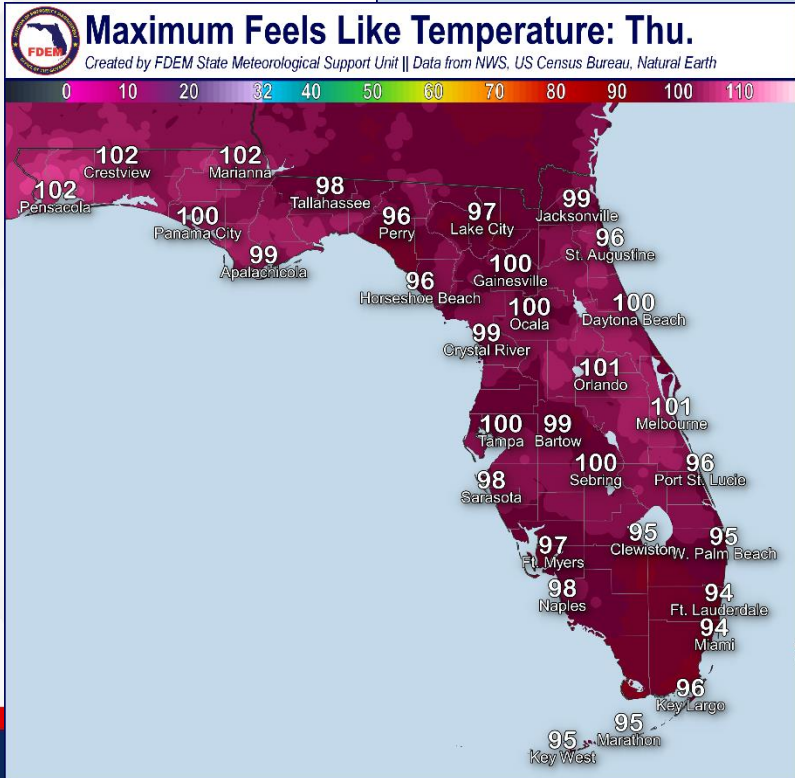
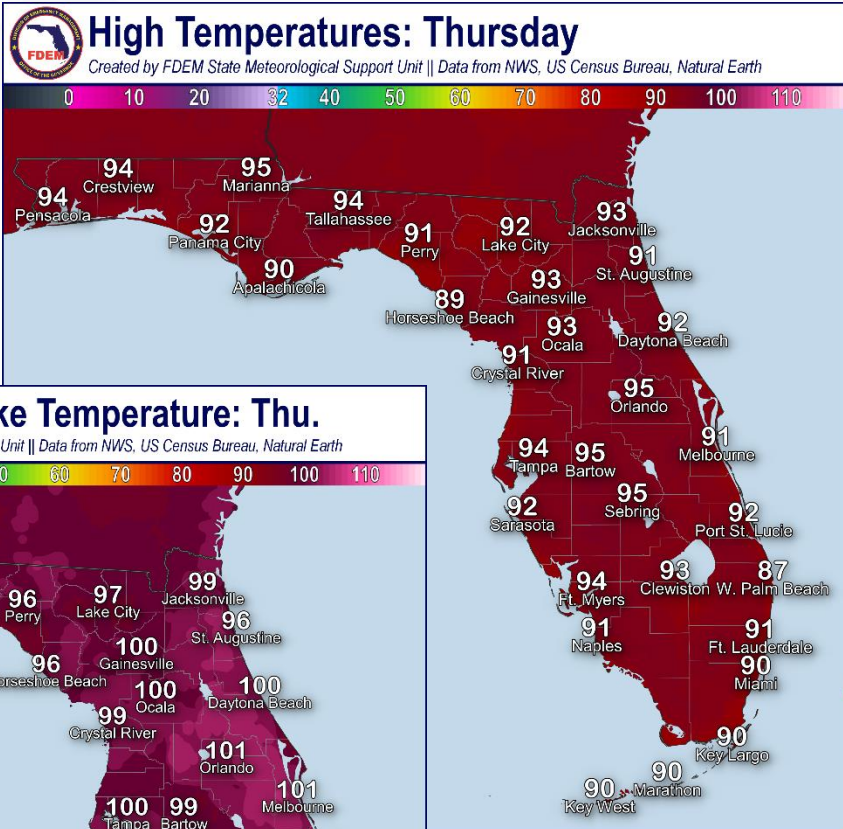
Wednesday





Recovery Weather

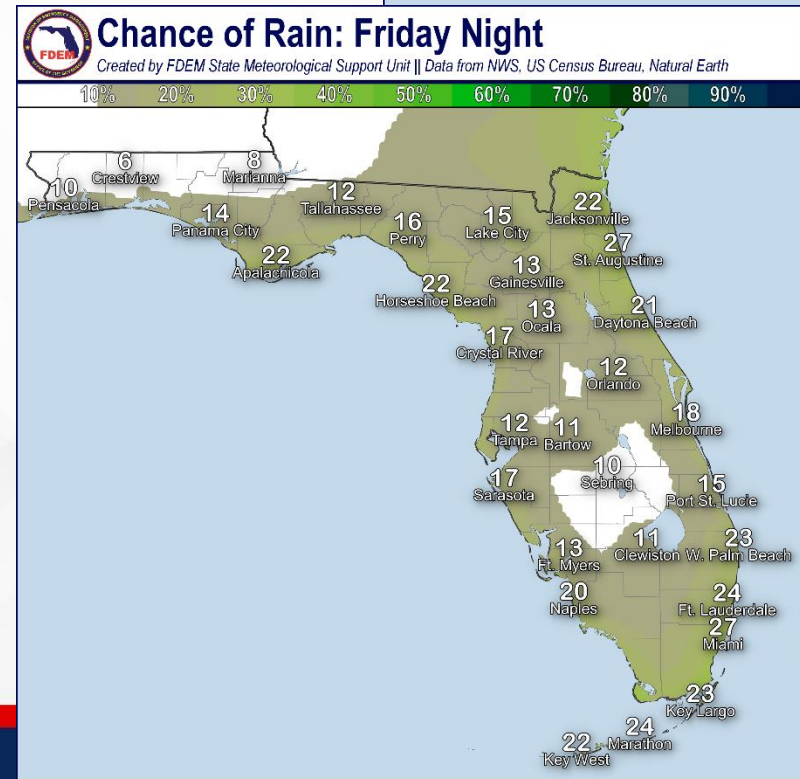
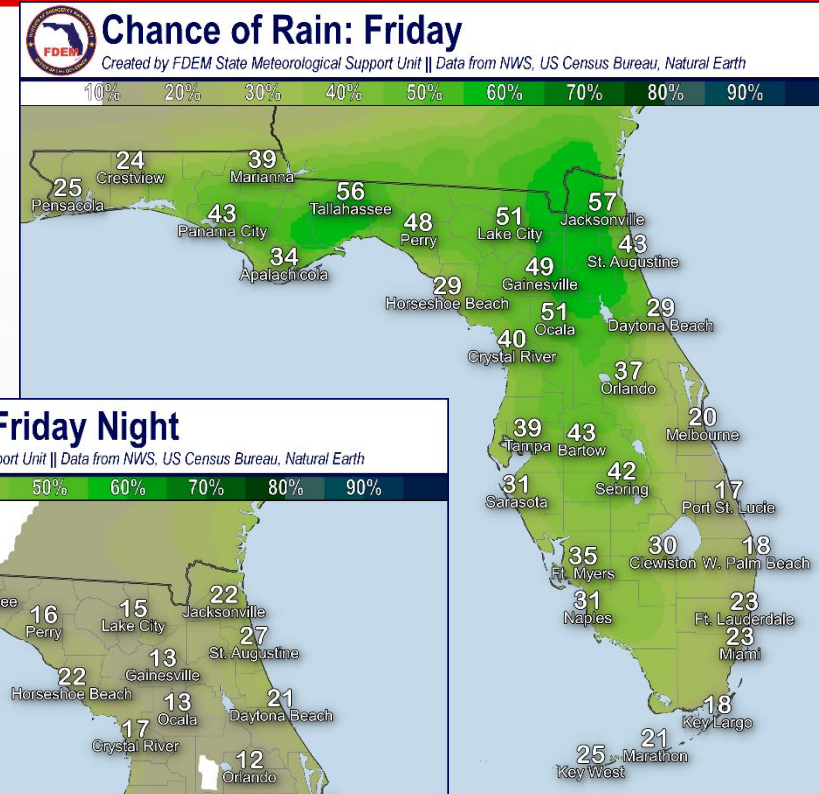
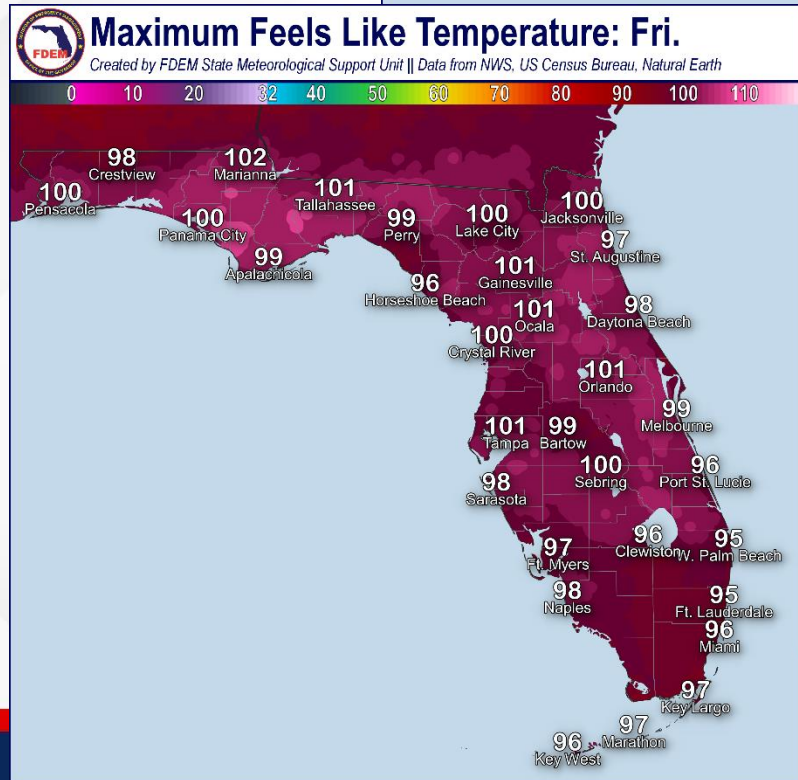
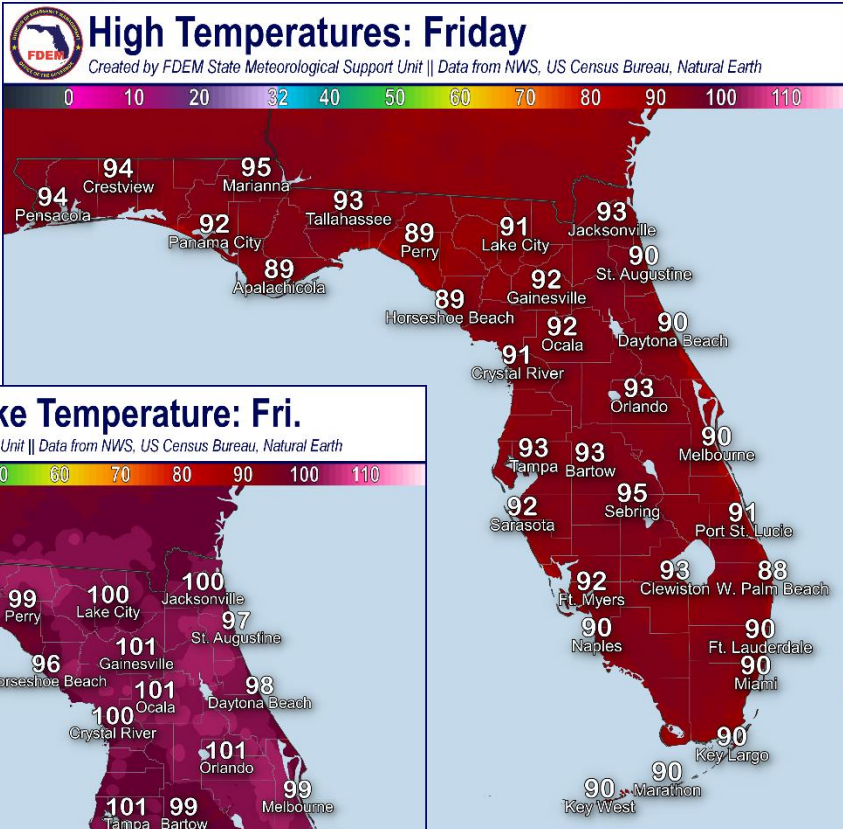
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Recovery Weather

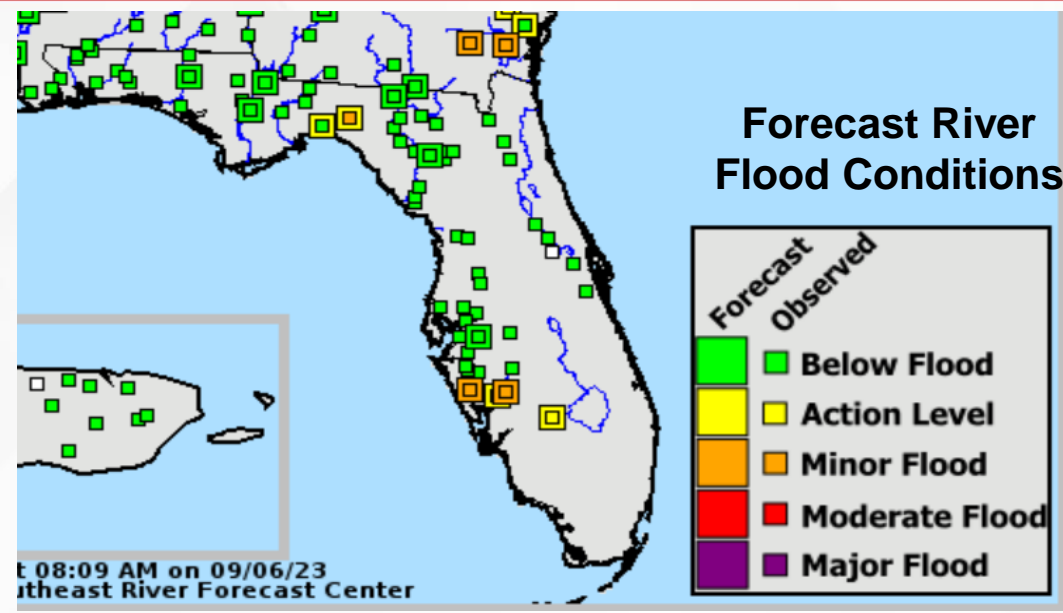
Friday



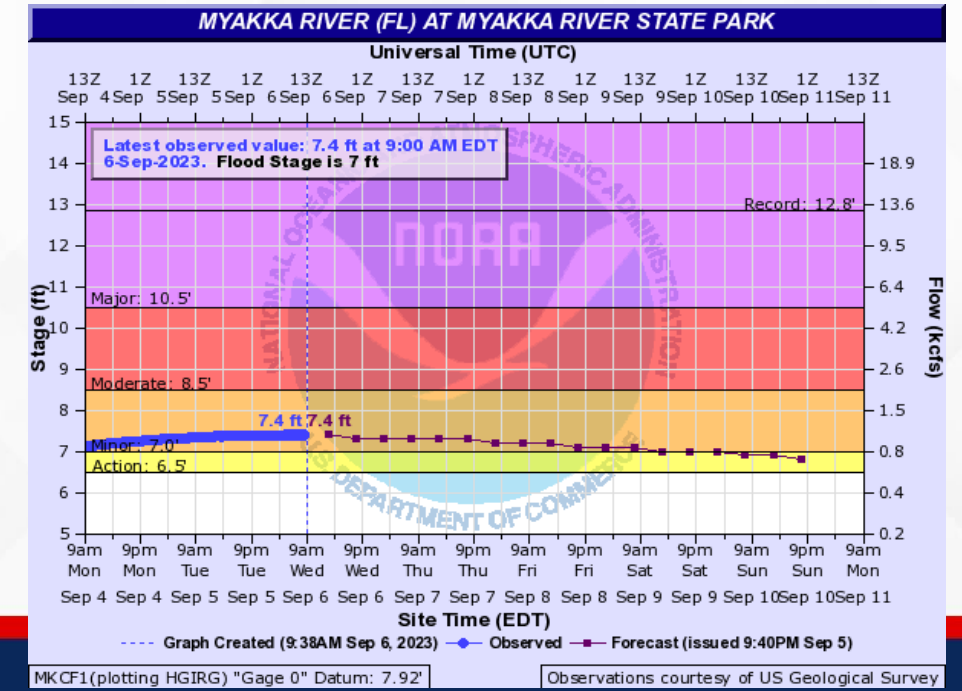
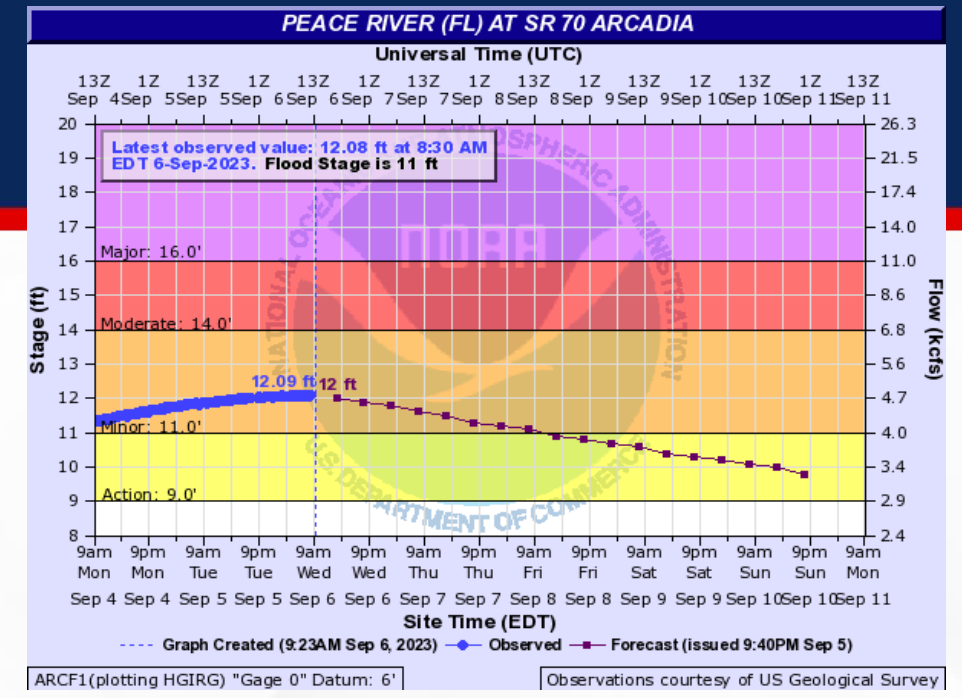


Riverine Flooding

8:00 AM EDT Tuesday



River Flood Warnings remain in effect for the Myakka River at Myakka and the Peace River at Arcadia. **Minor flooding** is ongoing and is forecast to continue through the middle to later parts of this week. Limited rainfall totals will allow for Florida waterways to continue gradually receding over the next few days.





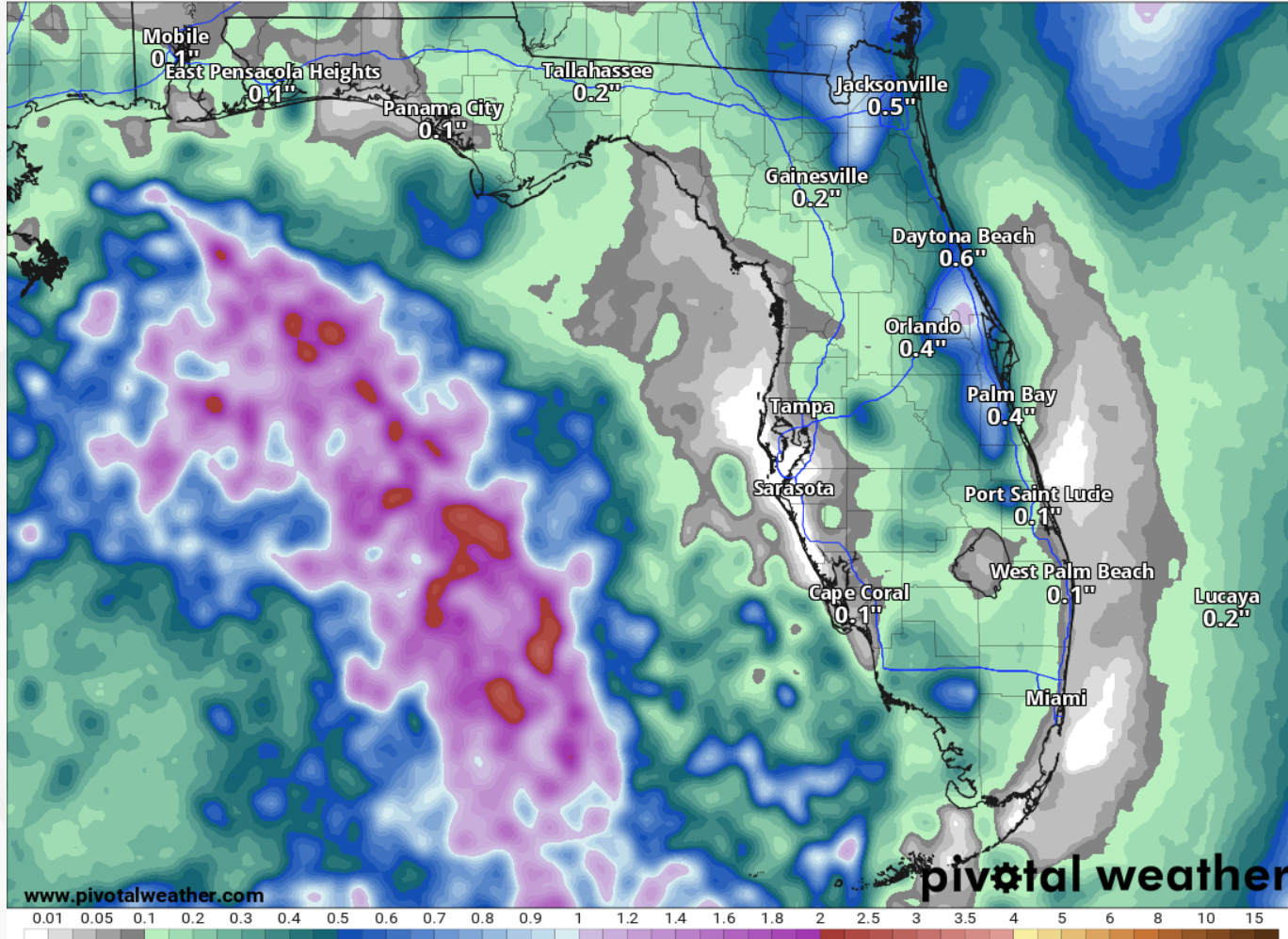
5-Day Forecast Rainfall

From the National Weather Service & Weather Prediction Center

120-Hour Precipitation (in)

Ending Monday, Sep. 11, 2023 at 8 a.m. EDT

Init: Wed 2023-09-06 12z WPC

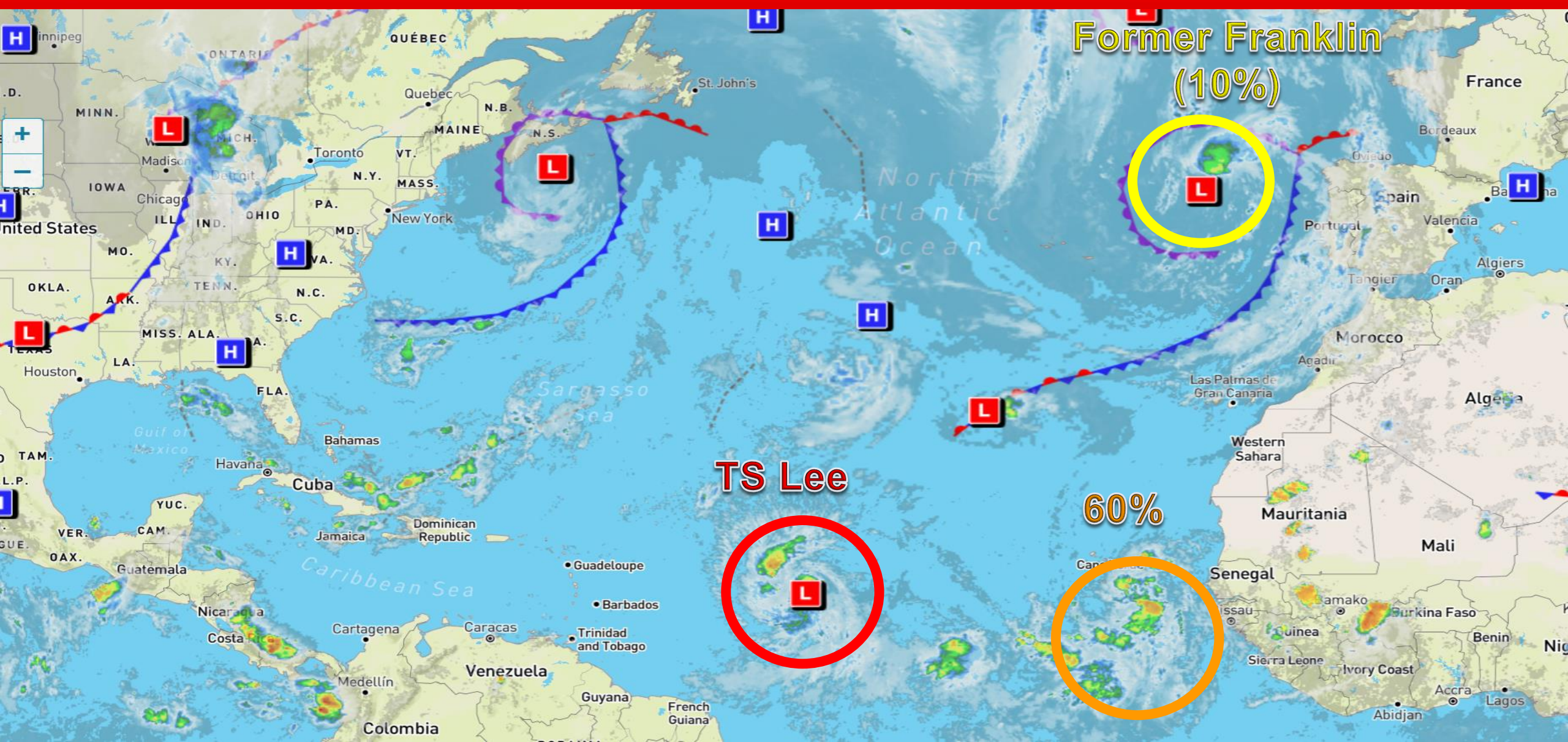


Rain chances begin to increase later this week and into the weekend ahead of a frontal boundary approaching from the northwest. Rainfall totals will remain isolated along the I-10 corridor and throughout the Peninsula. Rainfall totals of 0.5-1.5" can be expected along the I-95 corridor through the weekend. Locally higher rainfall totals of 1-3" cannot be ruled out for portions of East-Central Florida and the interior Peninsula as shower and thunderstorm activity increases through the weekend as moisture increases.



Atlantic Basin Satellite Image

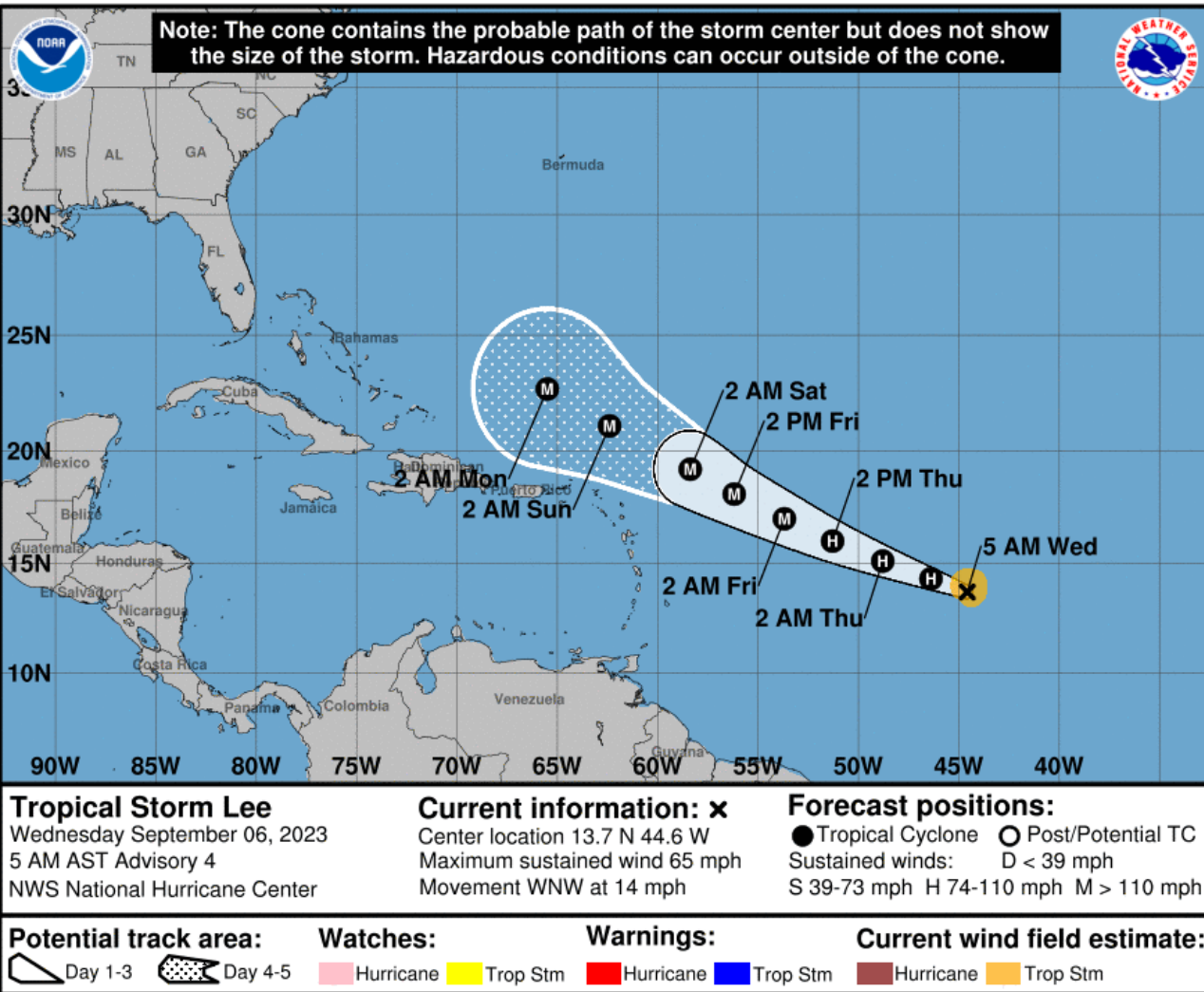
Chance of development: None Low Medium High





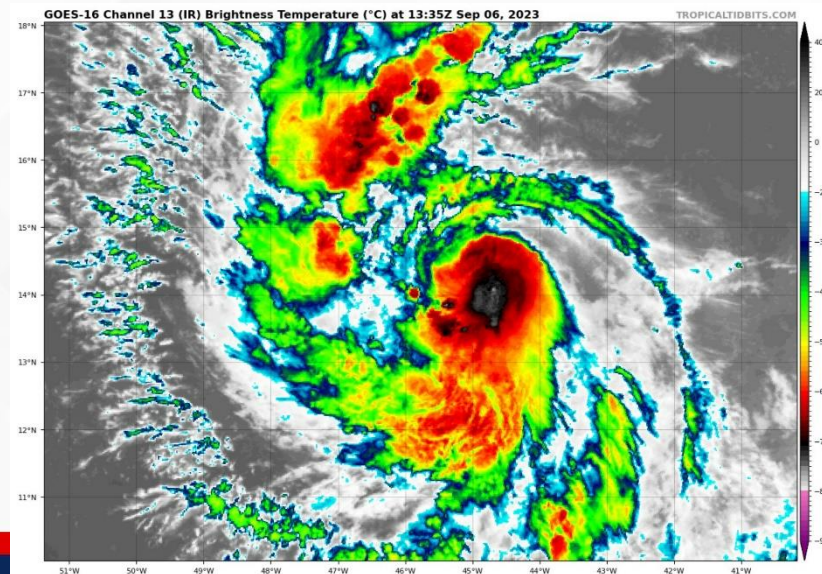
Forecast Cone

Tropical Storm Lee ([LINK](#))



- **Location:** 1,200 miles ESE of the Northern Leeward Islands
- **Maximum Sustained Winds:** 70 mph
- **Current Movement:** WNW at 14 mph
- **FL Watches/Warnings:** None

With the 11:00 AM Advisory, Tropical Storm Lee is moving west-northwestward at 14 mph. This motion is expected to continue for the next few days with a slight reduction in forward speed. Maximum sustained wind are near 70 mph with higher gusts. Continued steady to rapid strengthening is forecast, and Lee is expected to become a hurricane later today and a major hurricane in a couple of days. *Lee poses no direct threat to Florida over the next 7 days, but this system will continue to be monitored. Dangerous beach and boating conditions could develop along the Florida East Coast early next week.*



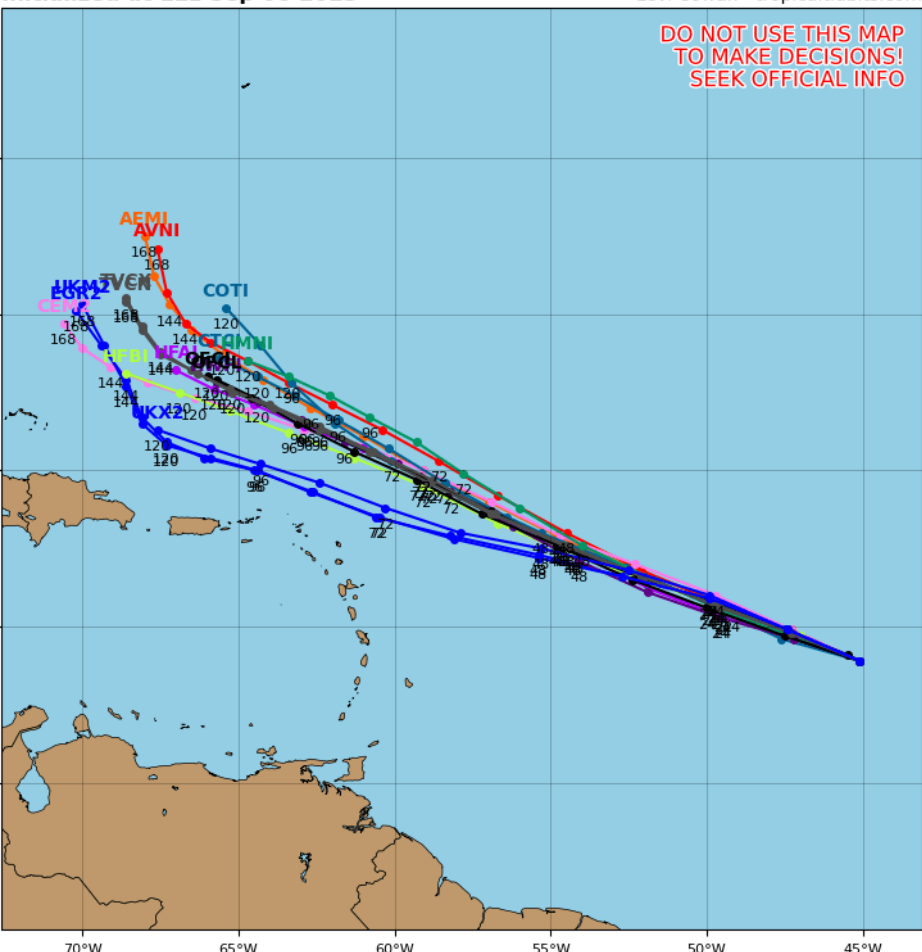


Model Forecasts – Next 5 Days

Tropical Storm Lee

Tropical Storm LEE Model Track Guidance

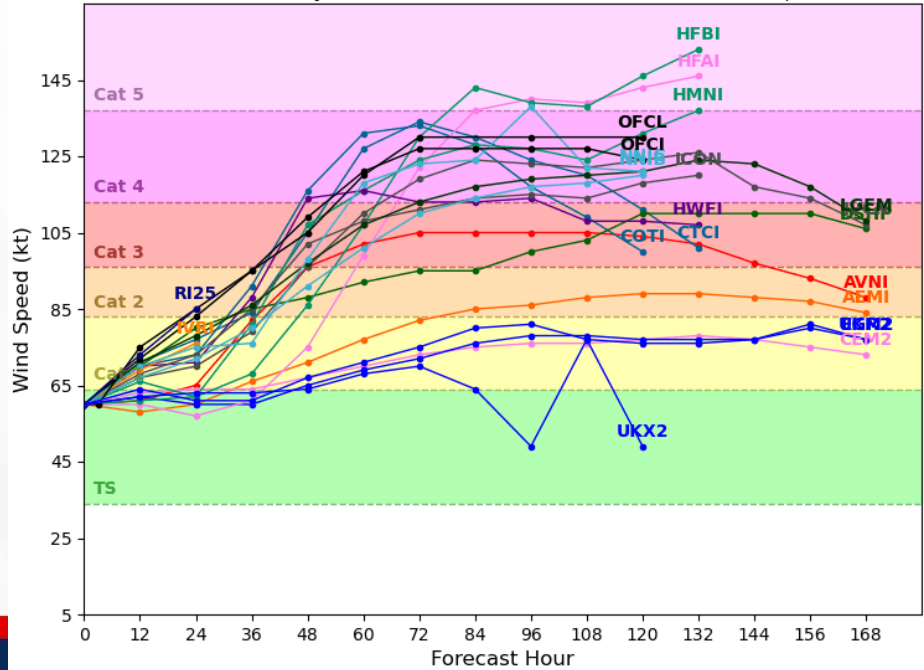
Initialized at 12z Sep 06 2023 Levi Cowan - tropicaltidbits.com



Computer models remain within decent agreement that Tropical Storm Lee will continue on a west-northwestward motion approaching the northern Leeward Islands approximately over the next 3-4 days. Computer models are in good agreement that steady to rapid strengthening is expected over the next 5 days given favorable environmental conditions. Tropical Storm Lee continues to show signs of organization as it approaches hurricane strength. The speed at which Tropical Storm Lee organizes will be an important trend to monitor through midweek. Regardless, there is decent consensus that Tropical Storm Lee will reach hurricane strength within the next 12-24 hours, and reach major hurricane strength within the next 2-3 days.

Tropical Storm LEE Model Intensity Guidance

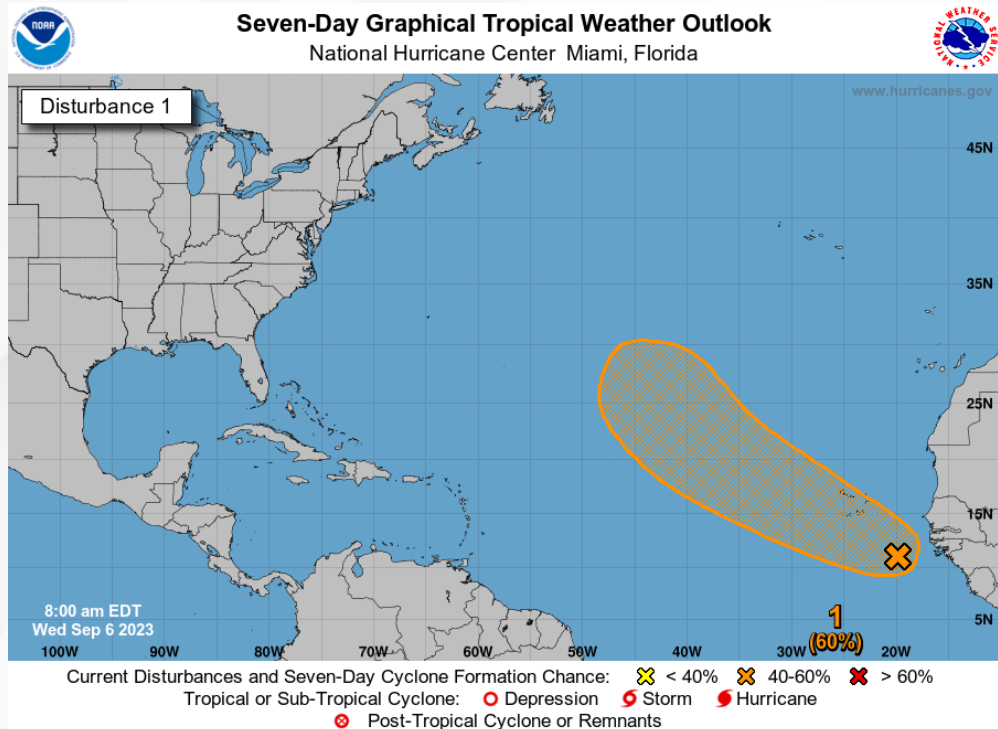
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Tropical Weather Outlook

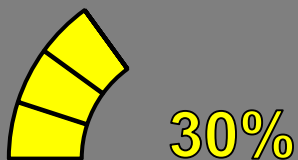
Disturbance 1 – Eastern Tropical Atlantic (Invest 96L) ([LINK](#))



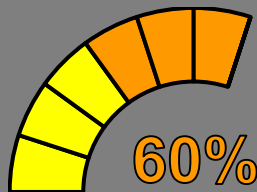
A tropical wave, Invest 96L, is producing disorganized showers and thunderstorms over the far eastern tropical Atlantic between the Cabo Verde Islands and the West Coast of Africa. Environmental conditions appear conducive for gradual development of this system. A tropical depression could form later this week or this weekend as it moves west-northwestward at 10-15 mph over the eastern tropical Atlantic.

This system poses no threat to Florida at this time.

- * Formation chance through 48 hours...**low...30%..**
- * Formation chance through 7 days...**medium...60%.**



48 Hour Formation



7 Day Formation



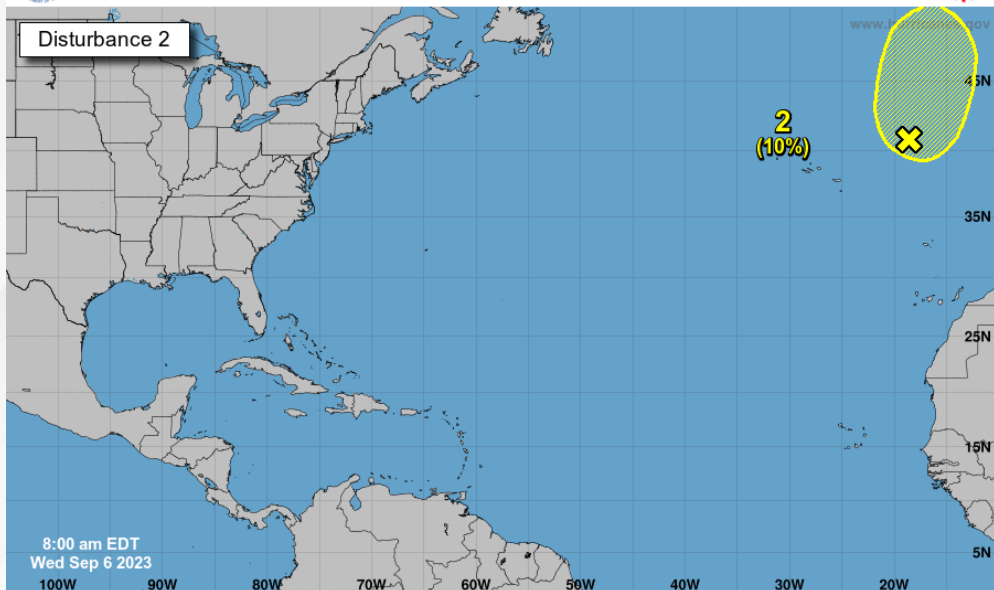
Tropical Weather Outlook

Disturbance 2 – Former Franklin ([LINK](#))



Seven-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



Post-Tropical Cyclone Franklin is located a few hundred miles east-northeast of the Azores and is producing disorganized shower activity mostly east of its center. This system could briefly acquire subtropical or tropical characteristics during the next day or so as it moves over the northeastern Atlantic. By this weekend, further development of this system is not expected as the system is forecast to move into unfavorable environmental conditions.

This system poses no threat to Florida at this time.

- * Formation chance through 48 hours...**low...10%..**
- * Formation chance through 7 days...**low...10%.**

10%

48 Hour Formation

10%

7 Day Formation

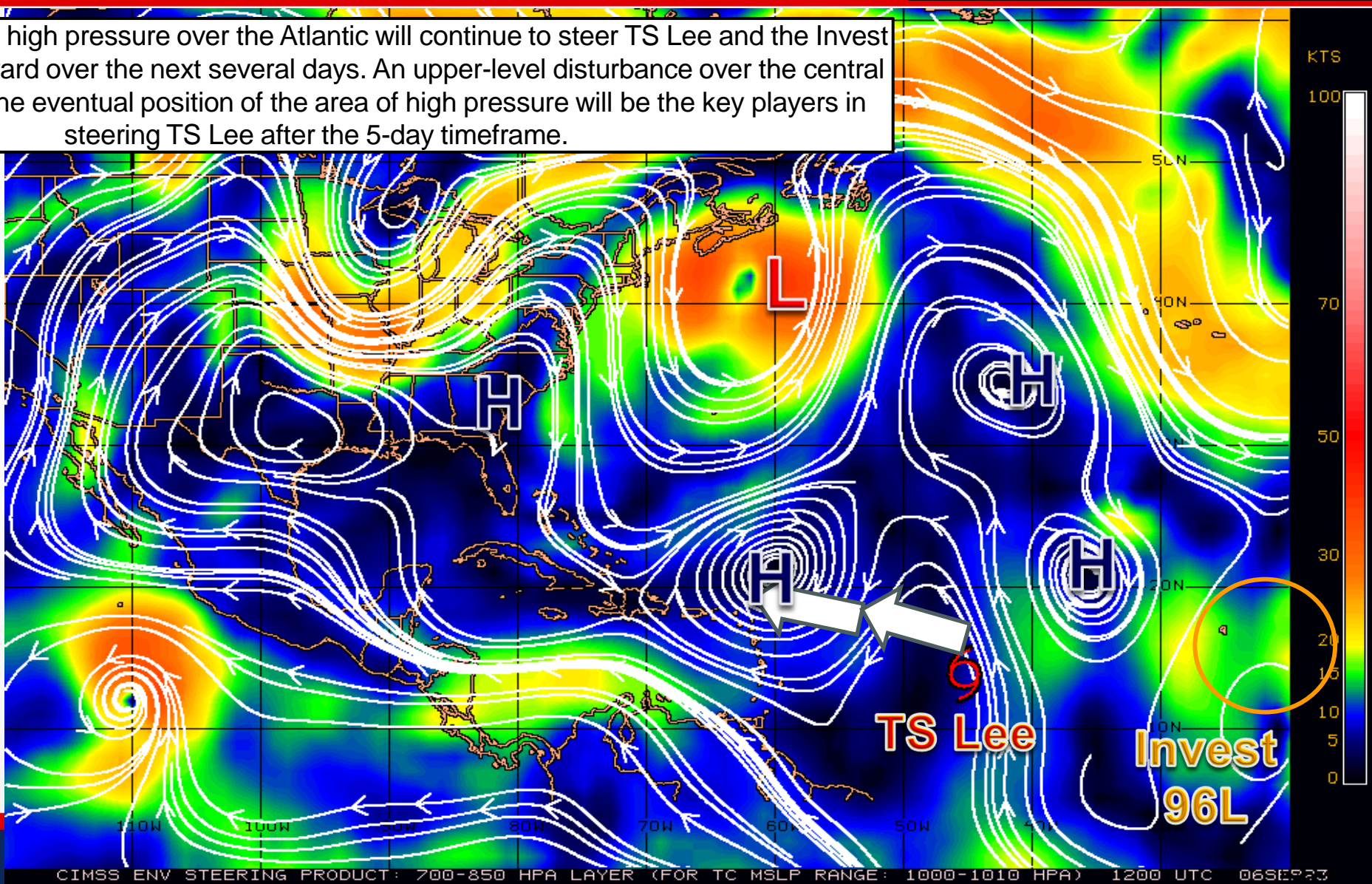


Steering Currents

What is Moving the System?

Color denotes the movement speed through the atmosphere and thin white lines denote direction. Tightly clustered white lines represent faster movement as well.

The dominant area of high pressure over the Atlantic will continue to steer TS Lee and the Invest 96L west-northwestward over the next several days. An upper-level disturbance over the central United States and the eventual position of the area of high pressure will be the key players in steering TS Lee after the 5-day timeframe.



Fast Moving Storm

Fast Moving Storm

Typical Moving Storm

Slow Moving Storm

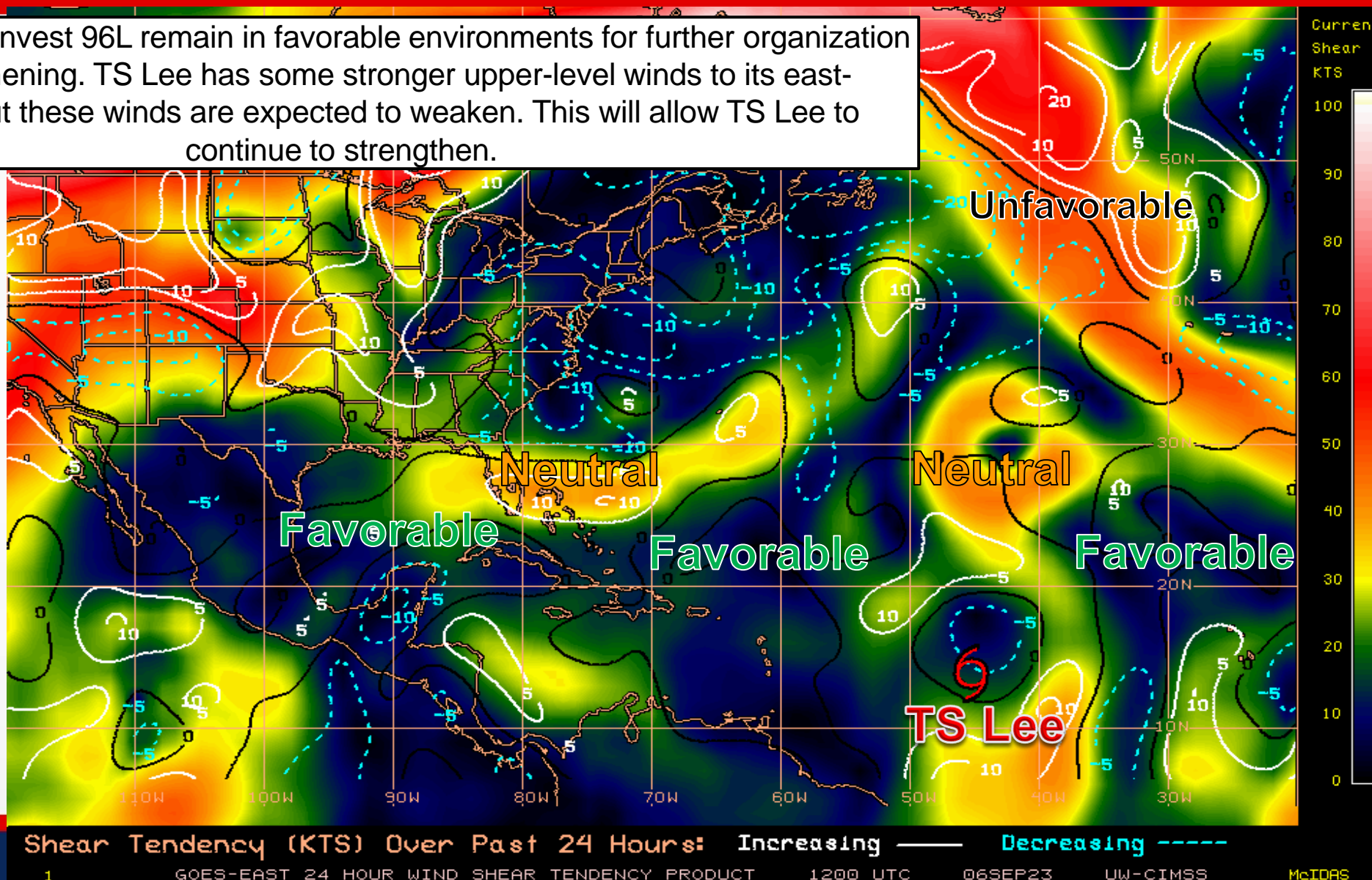


Wind Shear

Is the environment favorable for the system?

Color denotes the amount of wind shear and the lines denote how it have changed over the last 24 hours (dotted lines show decreasing shear and solid lines show increasing).

TS Lee and the Invest 96L remain in favorable environments for further organization and strengthening. TS Lee has some stronger upper-level winds to its east-northeast, but these winds are expected to weaken. This will allow TS Lee to continue to strengthen.



HIGH Shear
(Unfavorable)

HIGH Shear
(Unfavorable)

MODERATE
Shear
(Neutral)

LOW Shear
(Favorable)



Dry Air & Saharan Dust

Is the environment favorable for the system?

Color denotes concentration of Saharan Dust or dry, stable air.

TS Lee will remain in a moist and favorable air mass, supportive of further organization and strengthening. The Eastern Atlantic Tropical Wave could encounter some drier air to its north to northwest, which could limit additional strengthening later this week and early next week.

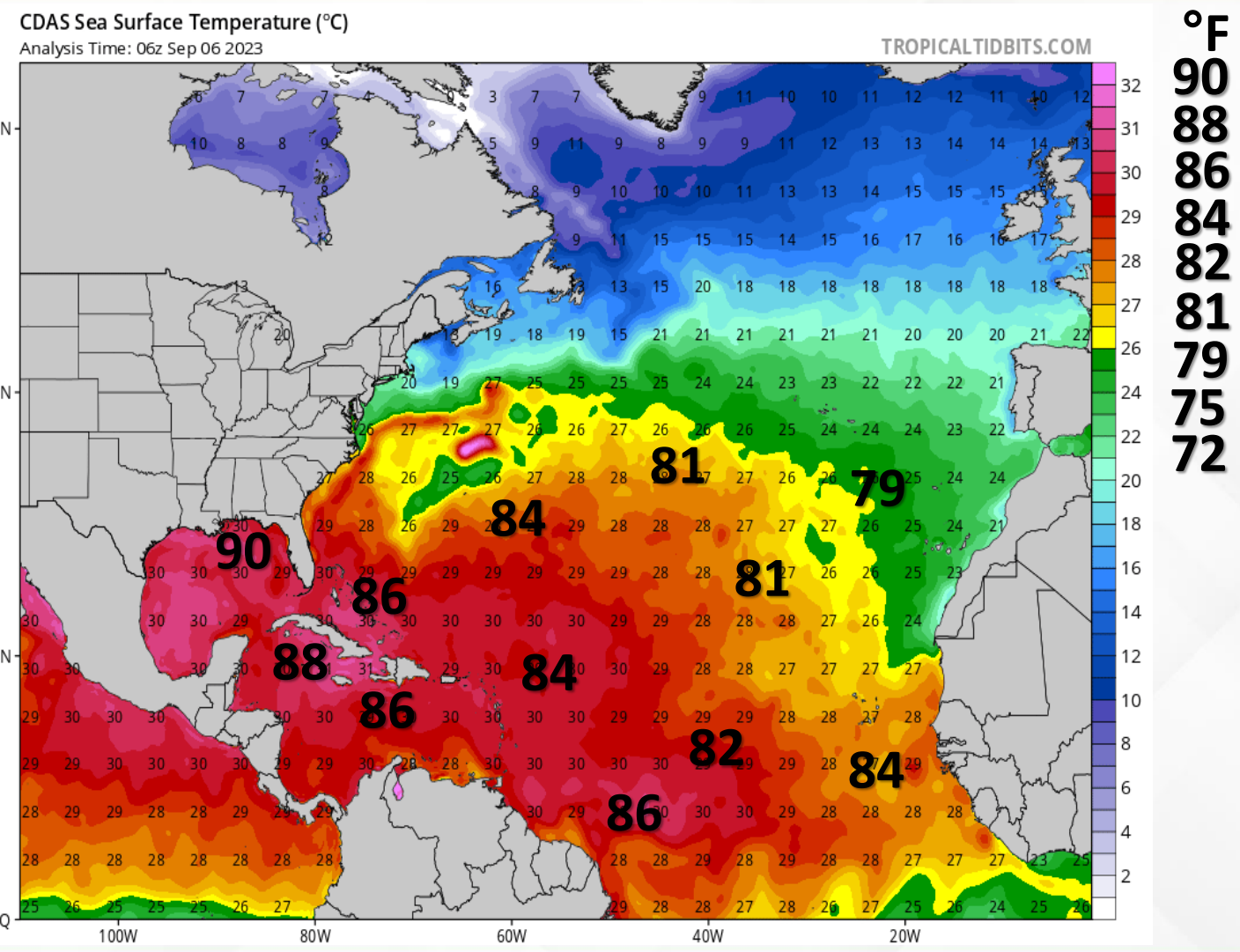
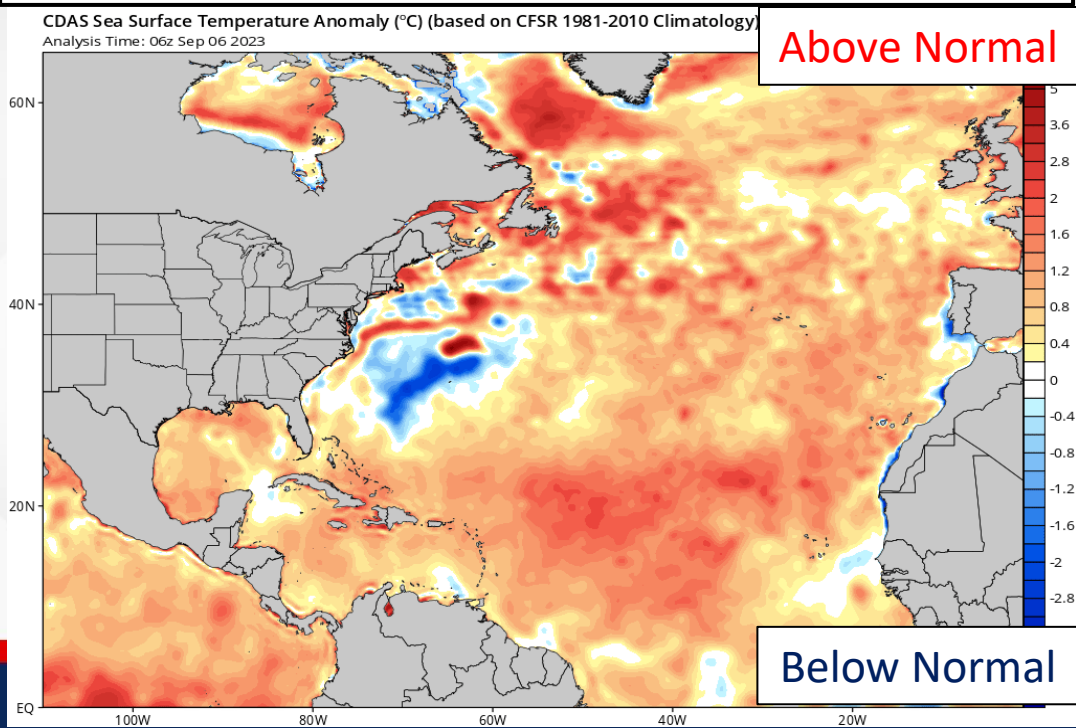




Sea Surface Temperatures & Anomalies

Is the ocean favorable for the system?

Temperatures across the Atlantic Basin are very supportive of tropical cyclone development. Waters across the tropical Atlantic and Gulf of Mexico 1-2 degrees above normal for this time of year.





Summary

Tropical Storm Lee:

- Tropical Depression Thirteen has been upgraded to Tropical Storm Lee with the 5:00 PM Advisory yesterday (09/05).
- As of 11:00 AM EDT, Tropical Storm Lee is located about 1,200 miles east of the northern Leeward Islands and is moving west-northwestward at 14 mph.
- This motion is expected to continue for the next few days with a slight reduction in forward speed.
- Maximum sustained winds are near 70 mph with higher gusts. Continued steady to rapid strengthening is forecast, and Lee is expected to become a hurricane later today and a major hurricane in a couple of days.
- *This system poses no direct threat to Florida over the next 7 days, at least, but this system will continue to be monitored. Dangerous beach and boating conditions can be expected to develop along Florida's East Coast early next week.*

Invest 96L (60%):

- A tropical wave is producing a large area of disorganized showers and thunderstorms over the far eastern Atlantic.
- Environmental conditions appear conducive for some gradual development of this system, and a tropical depression could form later this week or weekend while it moves west-northwestward over the eastern tropical Atlantic.
- There is a 30% (low) chance of development over the next 48 hours, but a 60% (medium) chance of development over the next 7 days.
- *This system poses no threat to Florida at this time.*

Former Franklin – Northeastern Atlantic Low (10%):

- Post-Tropical Cyclone Franklin is located a few hundred miles east-northeast of the Azores and is producing disorganized shower activity to the east of its center.
- This system could briefly acquire some subtropical or tropical characteristics during the next day or so while it moves over the northeastern Atlantic.
- By late this week, further development is not expected as the system is forecast to move into unfavorable environmental conditions.
- There is a 10% (low) chance of development over the next 7 days, and *this system poses no threat to Florida.*

Florida Outlook:

- High pressure along the eastern U.S. continues to bring a mixture of clouds and sunshine across the state, with a chance for isolated showers along the western Panhandle and Southwest Florida this afternoon (10-20% chance of rain).
- Heat index values will begin to increase into the middle to upper 90s, with isolated areas seeing values near 100-degrees this afternoon.
- An elevated risk of rip currents can be expected to persist along several Florida Panhandle and East Coast beaches today.
- River Flood Warnings continue for the Peace River near Arcadia (SR-70) and Myakka River near Myakka River State Park as minor flooding is forecast to continue through mid to late this week.
- The next name on the list Margot.

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



Tropical Update



Created by:

Kennedy Tartt, Assistant State Meteorologist

Kennedy.Tartt@em.myflorida.com

State Meteorological Support Unit

Florida Division of Emergency Management

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