



Tropical Update



11:30 AM EDT

Friday, September 8, 2023

Idalia Recovery Weather

Major Hurricane Lee & Tropical Storm Margot

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.



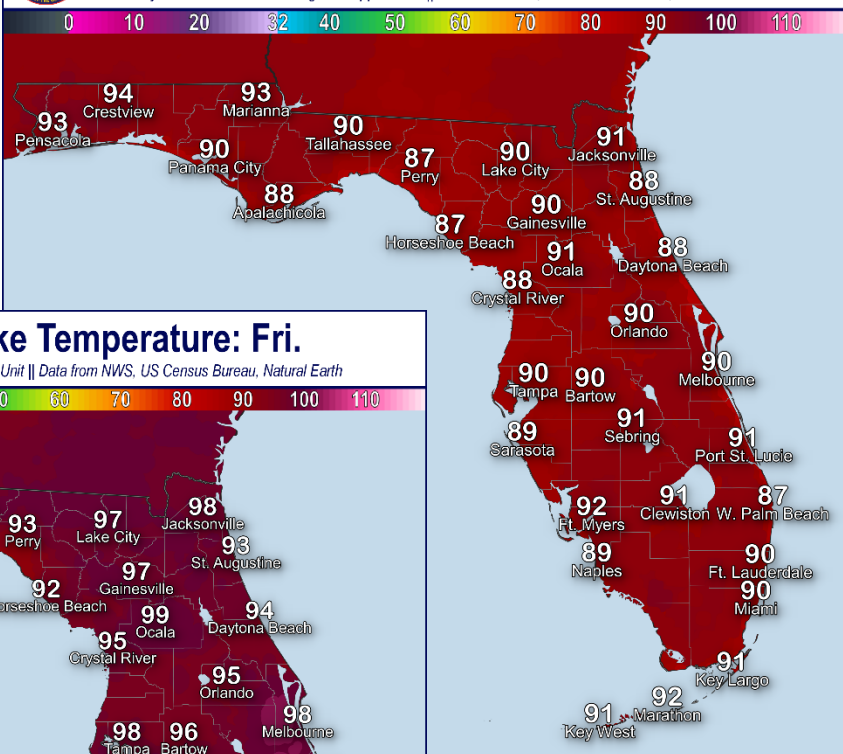
Recovery Weather

Friday



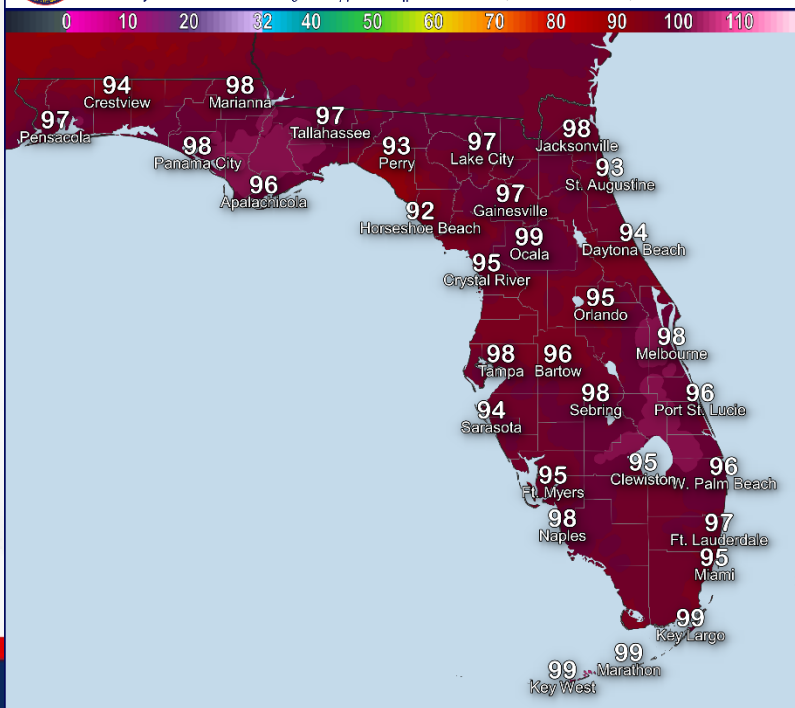
High Temperatures: Friday

Created by FDEM State Meteorological Support Unit || Data from NWS, US Census Bureau, Natural Earth



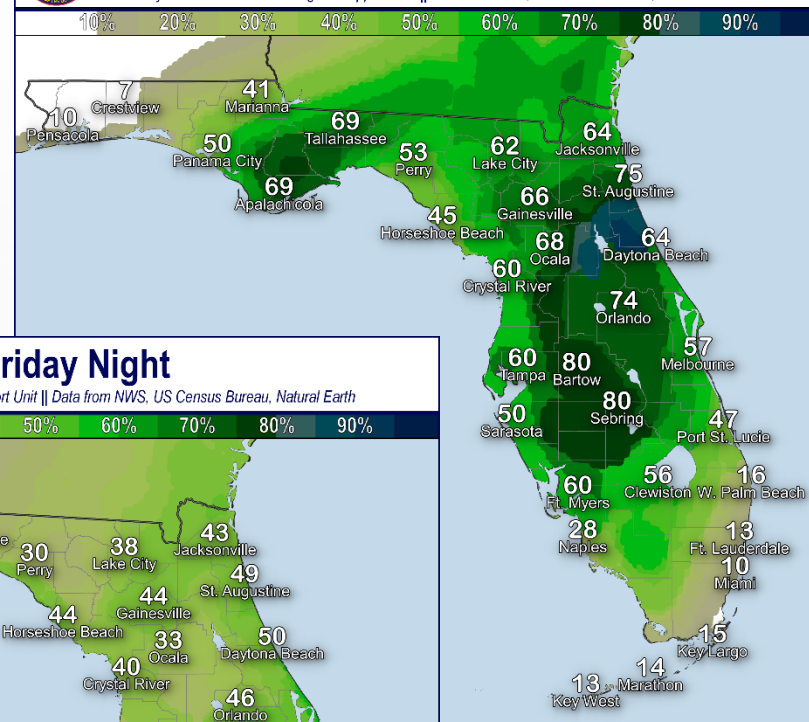
Maximum Feels Like Temperature: Fri.

Created by FDEM State Meteorological Support Unit || Data from NWS, US Census Bureau, Natural Earth



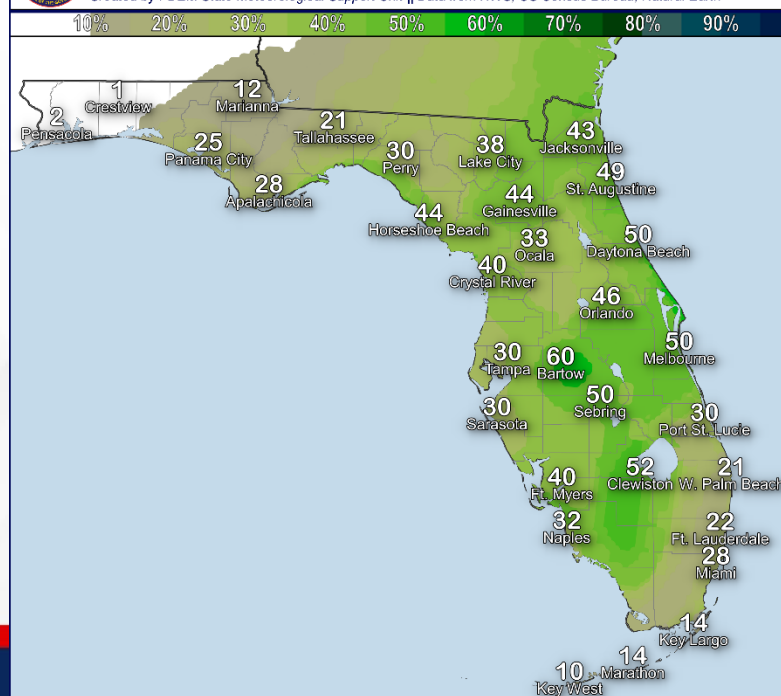
Chance of Rain: Friday

Created by FDEM State Meteorological Support Unit || Data from NWS, US Census Bureau, Natural Earth



Chance of Rain: Friday Night

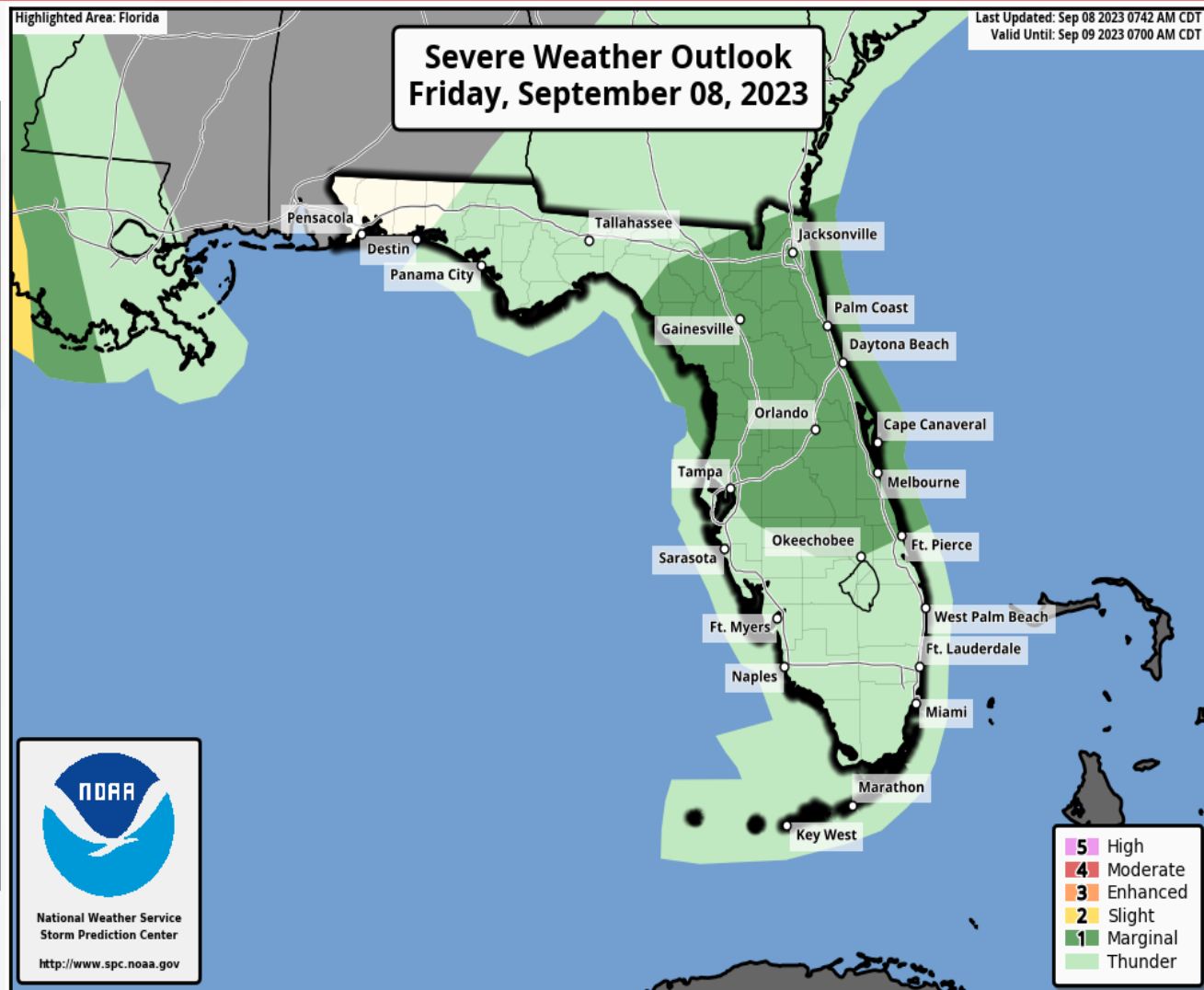
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Severe Weather Outlook – Today

From the Storm Prediction Center



There is a **Marginal Risk for Severe Weather (level 1 of 5)** outlooked for portions of North and Central Florida today as thunderstorms become increasingly numerous through the afternoon hours. Locally damaging wind gusts (45-60 mph), frequent lightning, instance of hail, and torrential downpours will be possible.

Timing: *This Afternoon – Evening*
(1:00/2:00 PM EDT - 9:00/10:00 PM EDT)

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



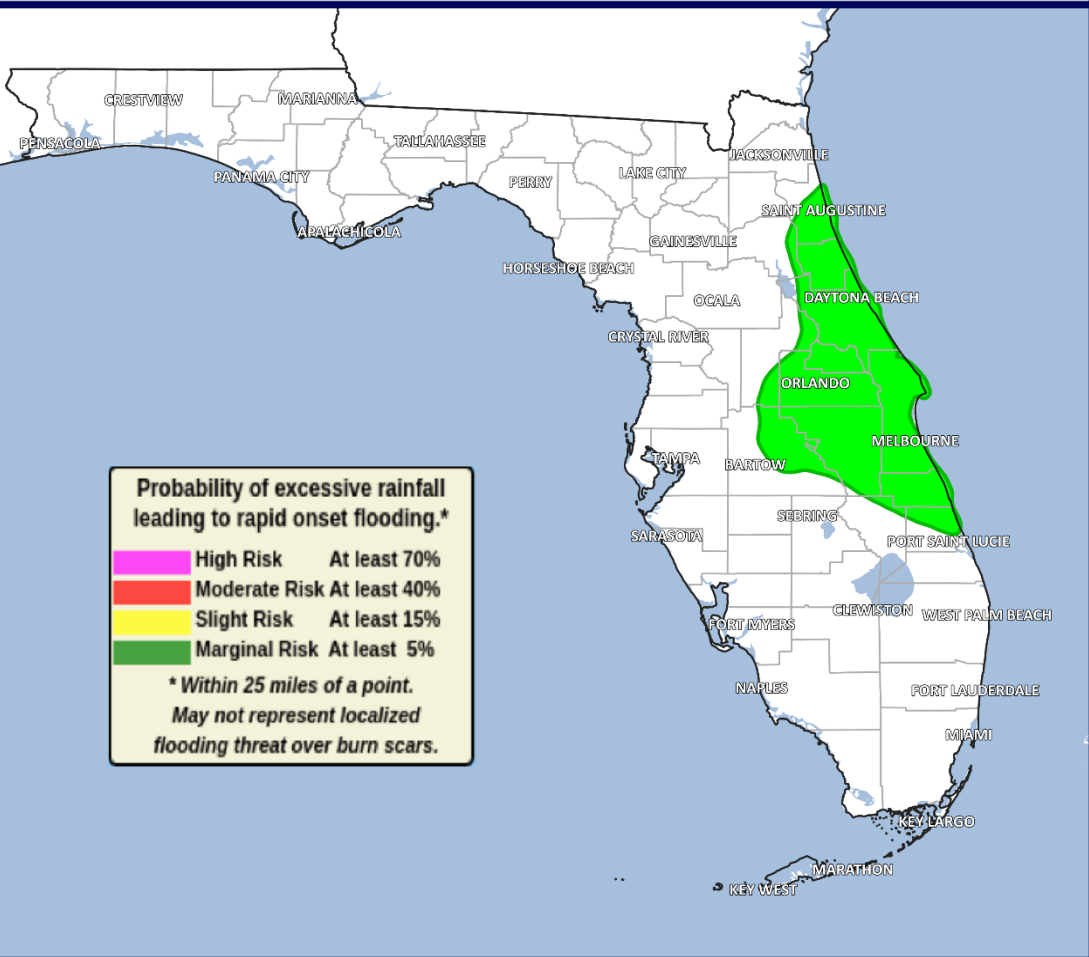
Flash Flood Outlook – Today

From the Weather Prediction Center



WPC Excessive Rainfall Outlook: Friday

Created by FDEM State Meteorological Support Unit || Data from NWS, US Census Bureau, Natural Earth



Probability of excessive rainfall leading to rapid onset flooding.*

- High Risk** At least 70%
- Moderate Risk** At least 40%
- Slight Risk** At least 15%
- Marginal Risk** At least 5%

* Within 25 miles of a point.
May not represent localized flooding threat over burn scars.

Understanding WPC Excessive Rainfall Risk Categories				
No Area/Label	MARGINAL (MRGL)	SLIGHT (SLGT)	MODERATE (MDT)	HIGH (HIGH)
Flash floods are generally not expected.	Isolated flash floods possible	Scattered flash floods possible	Numerous flash floods likely	Widespread flash floods expected
Localized and primarily affecting places that can experience rapid runoff with heavy rainfall.	Mainly localized. Most vulnerable are urban areas, roads, small streams and washes. Isolated significant flash floods possible.	Numerous flash flooding events with significant events possible. Many streams may flood, potentially affecting larger rivers.	Severe, widespread flash flooding. Areas that don't normally experience flash flooding, could. Lives and property in greater danger.	
www.wpc-ncap.noaa.gov @NWSWPC				
Flash flooding near me?	Flash Flooding			
	NO Flash Flooding			
 WEATHER PREDICTION CENTER				

The Weather Prediction Center (WPC) is outlooking a **Marginal Risk for Flash Flooding (level 1 of 4)** along portions of the East-Central Florida Coast today as showers and thunderstorms will be capable of producing very heavy rainfall rates (2-3"/hour). **Localized flash flooding and ponding of water** will be possible, especially for areas that see multiple rounds of heavy rain and thunderstorm activity.



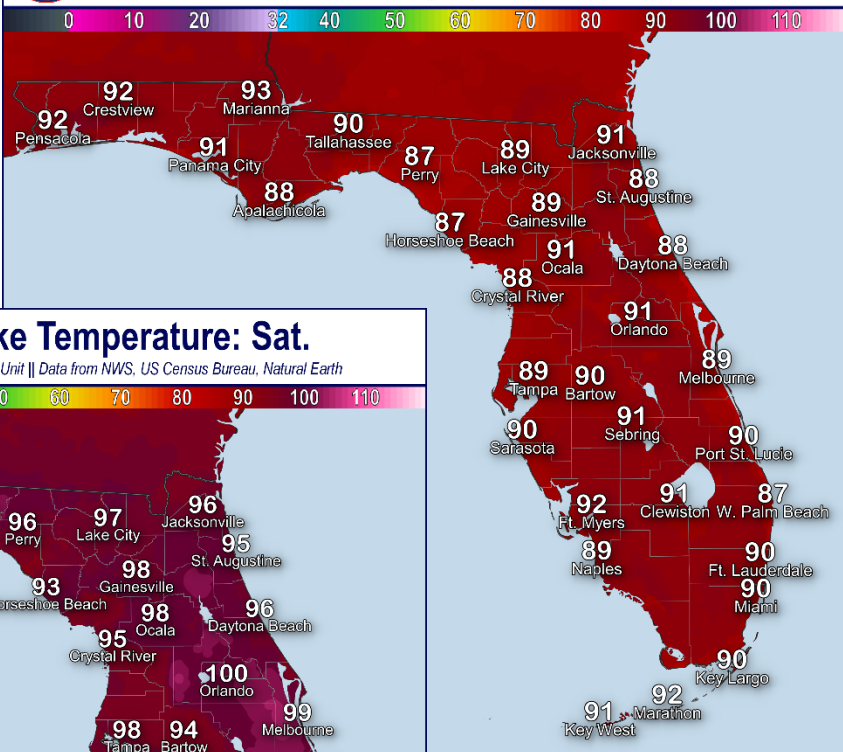
Recovery Weather

Saturday



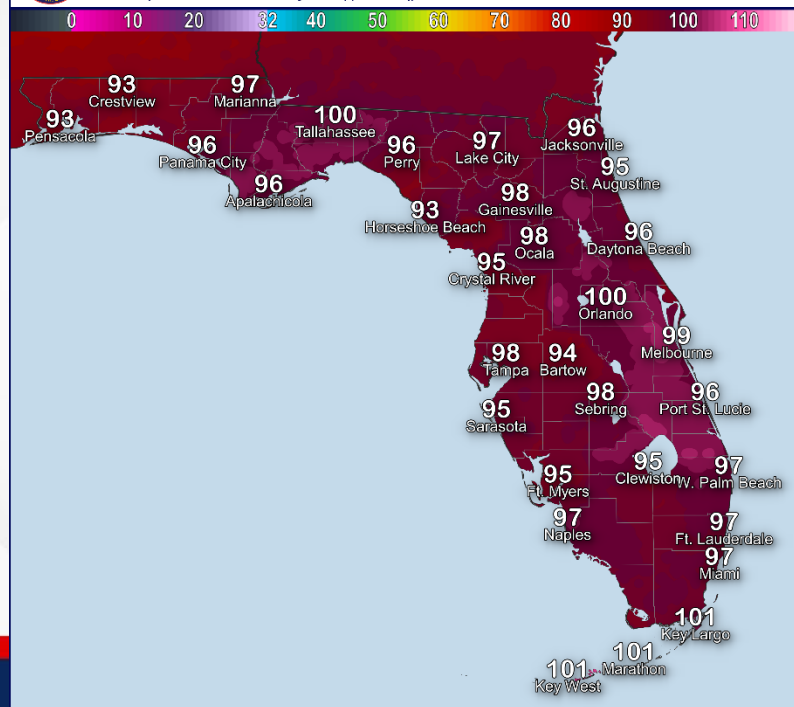
High Temperatures: Saturday

Created by FDEM State Meteorological Support Unit || Data from NWS, US Census Bureau, Natural Earth



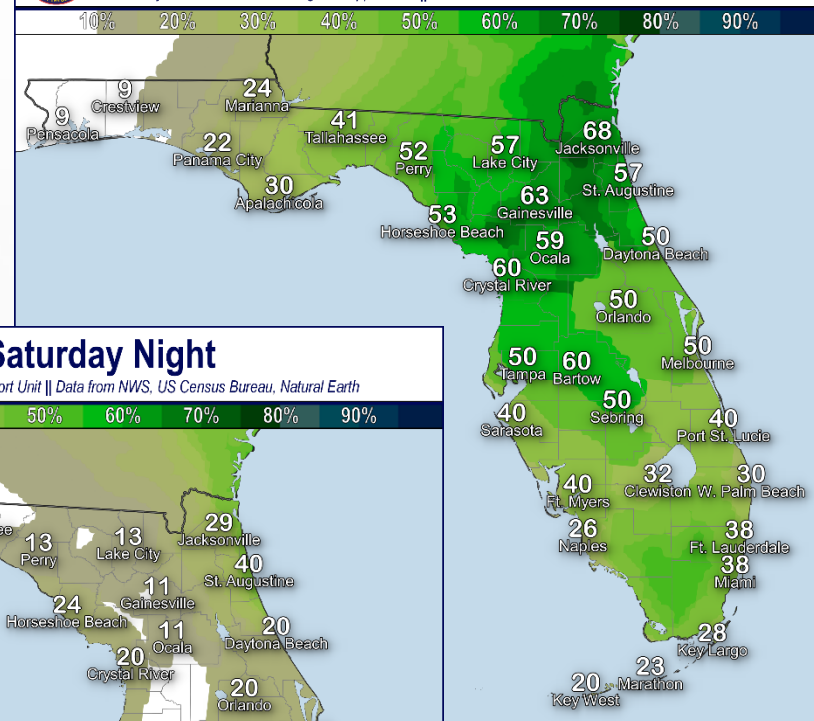
Maximum Feels Like Temperature: Sat.

Created by FDEM State Meteorological Support Unit || Data from NWS, US Census Bureau, Natural Earth



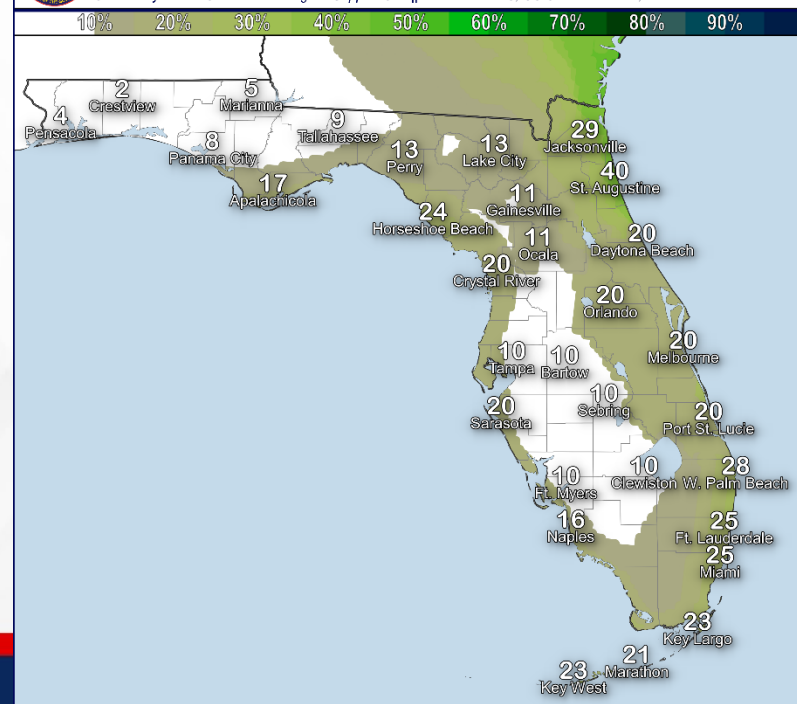
Chance of Rain: Saturday

Created by FDEM State Meteorological Support Unit || Data from NWS, US Census Bureau, Natural Earth



Chance of Rain: Saturday Night

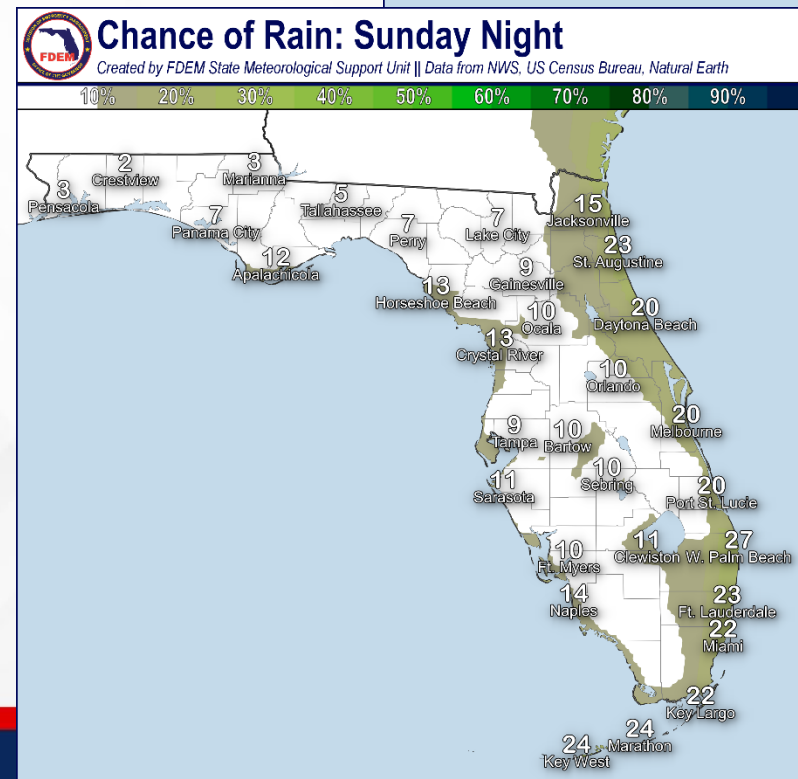
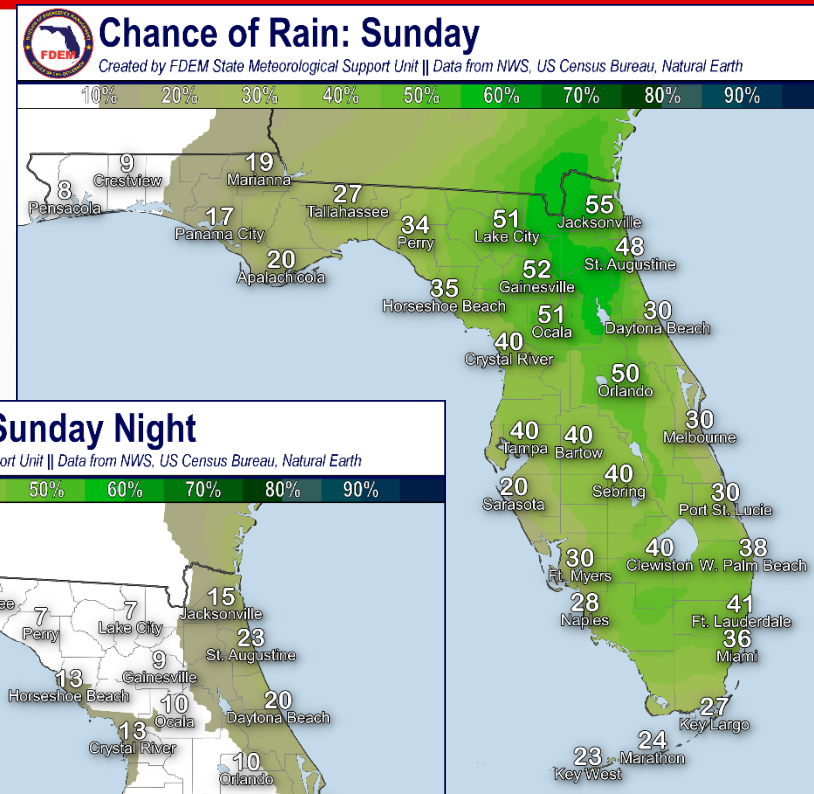
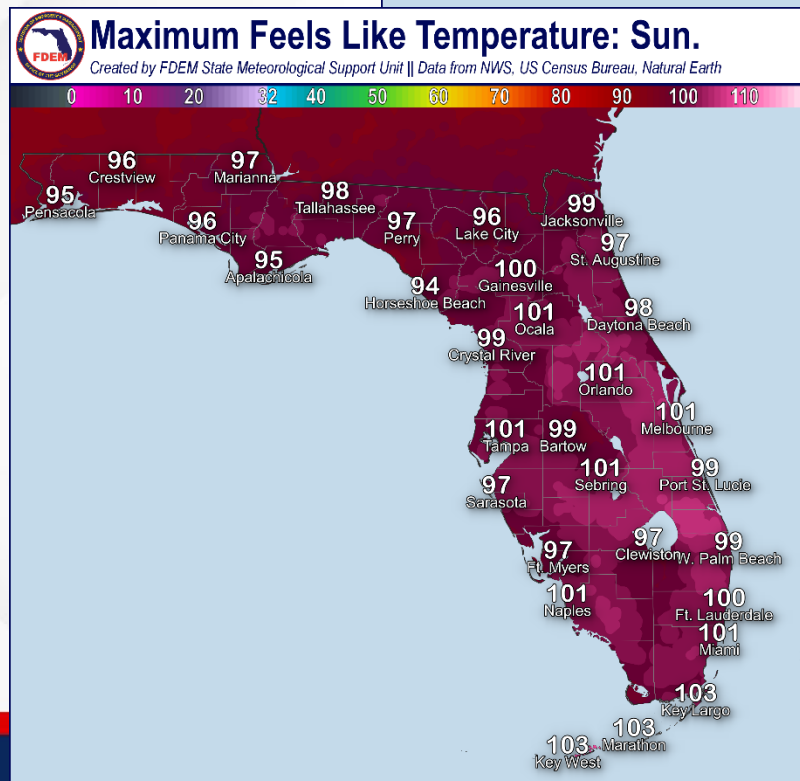
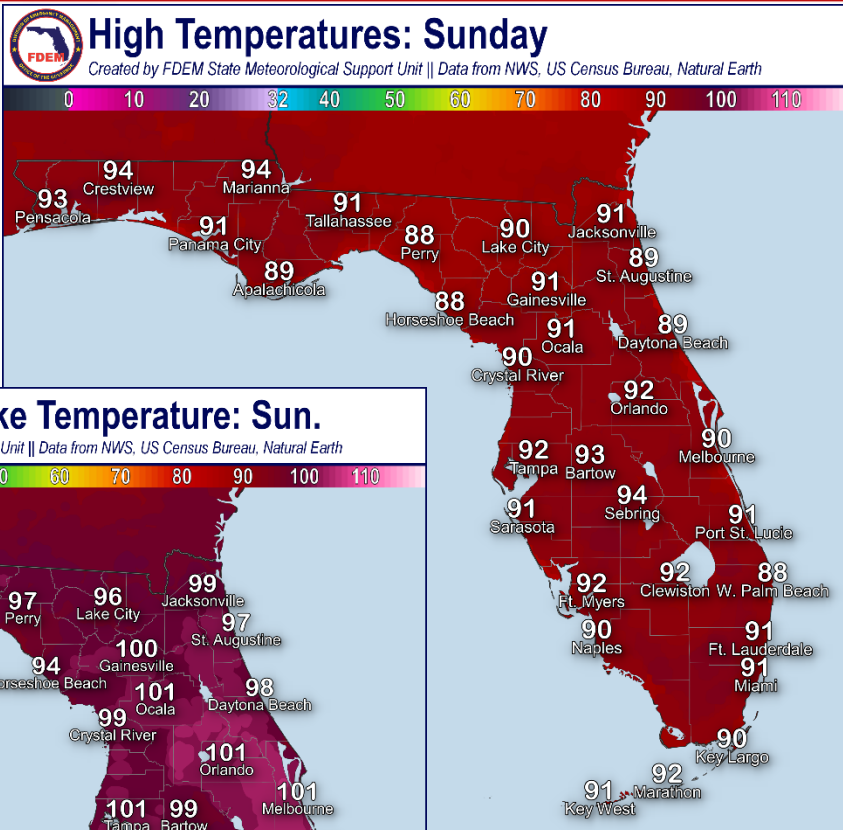
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Recovery Weather

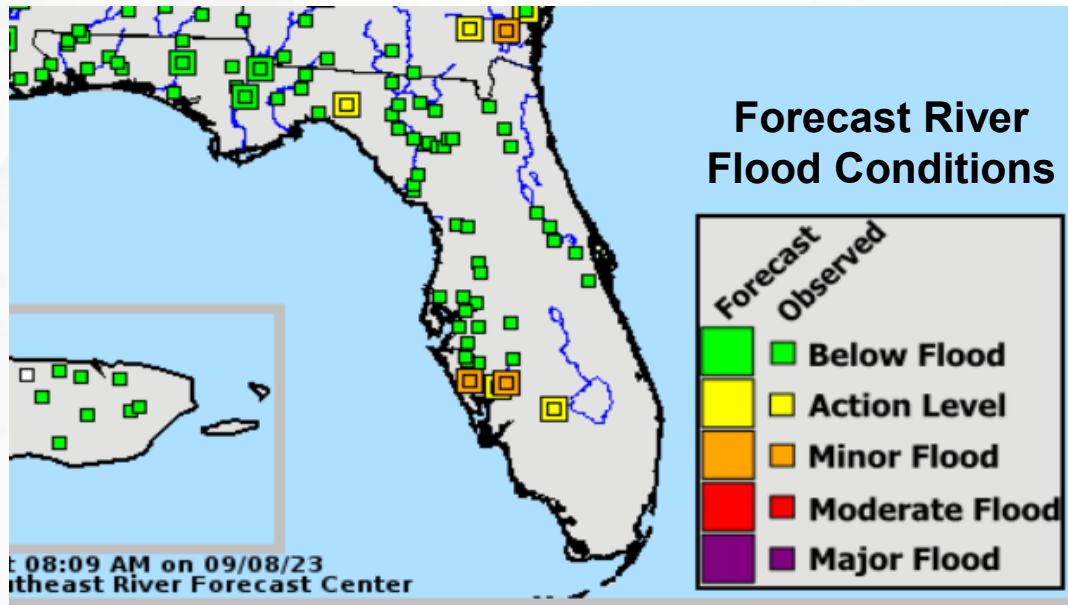
Sunday



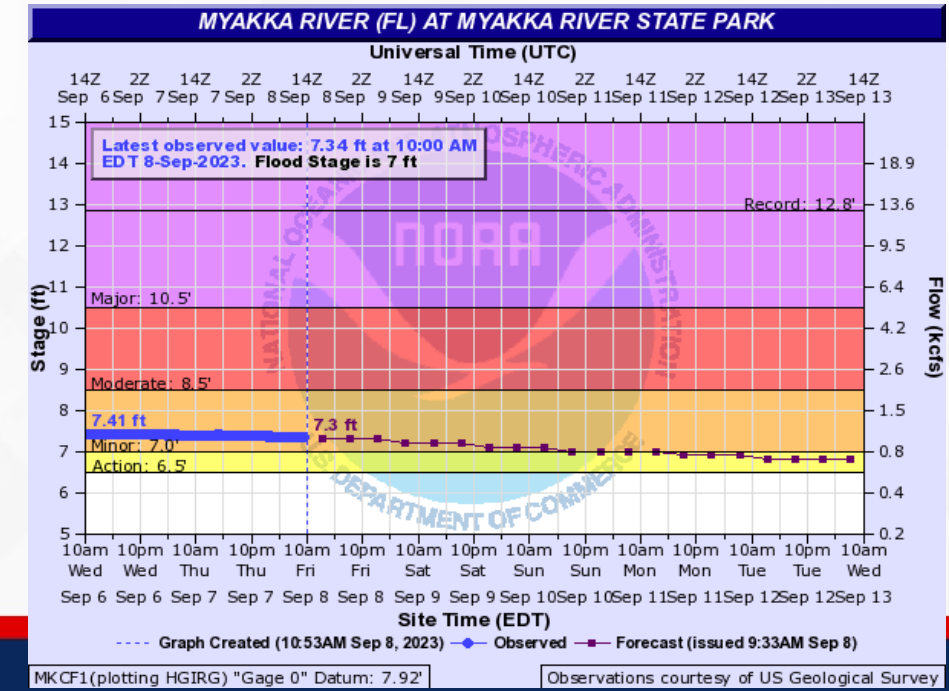
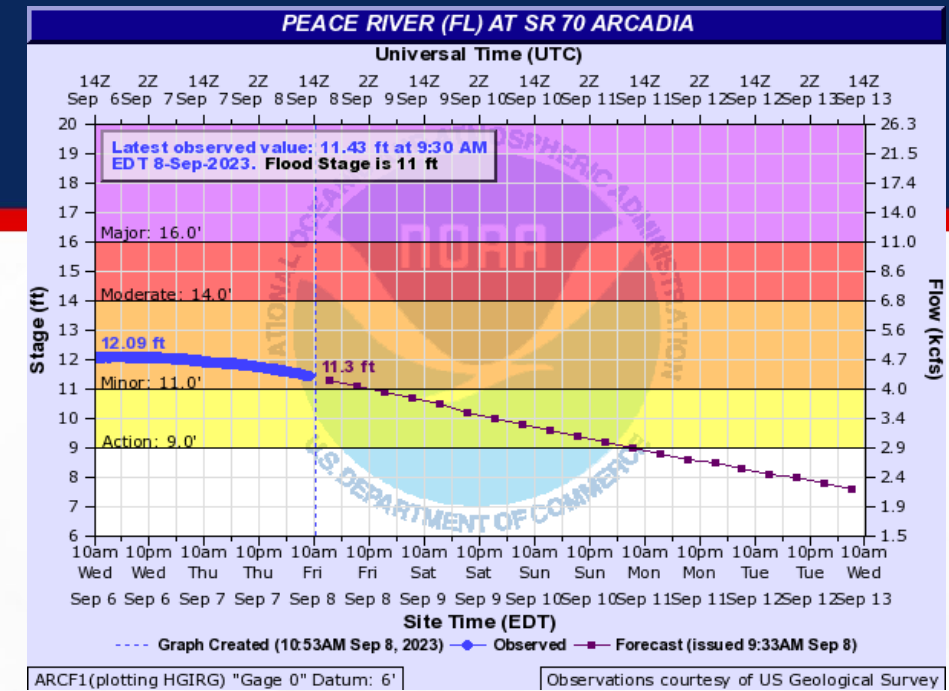


Riverine Flooding

10:00 AM EDT Friday



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 Friday. Water levels are forecast to fall below flood stage this weekend.





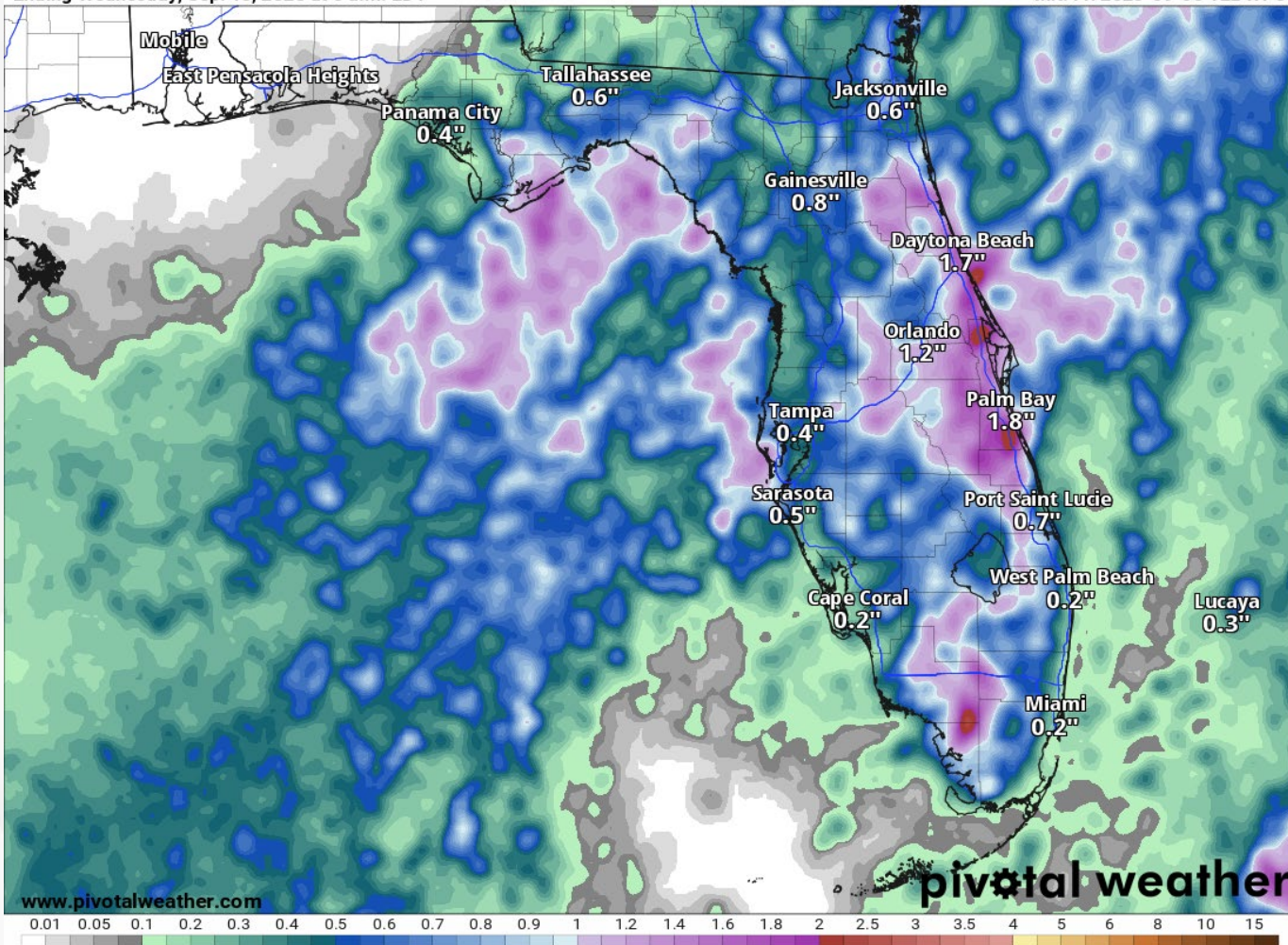
5-Day Forecast Rainfall

From the National Weather Service & Weather Prediction Center

120-Hour Precipitation (in)

Ending Wednesday, Sep. 13, 2023 at 8 a.m. EDT

Init: Fri 2023-09-08 12z WPC

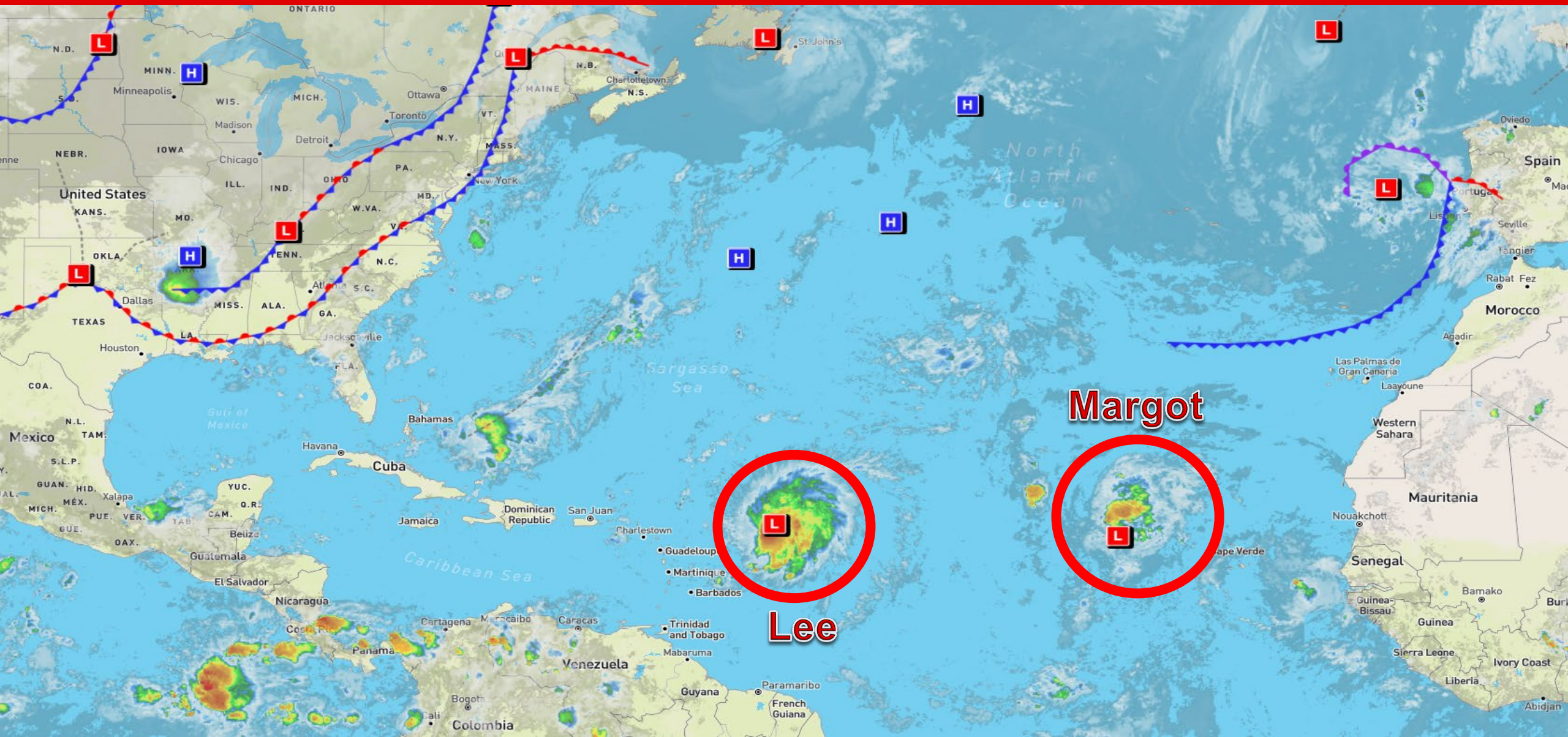


Increasing rain chances can be expected to continue through the next 5 days, courtesy of an approaching frontal boundary and the daily afternoon sea breeze. Rainfall totals of 1-2" can be expected over portions of the Florida Big Bend, Central Florida, and Southwest Florida, with locally high amounts of 3-5" possible along the Space Coast. The greatest rain chances can be expected over locations that receive multiple rounds of shower and thunderstorm activity. As grounds continue to saturate, a quicker onset to **ponding of water and localized flooding** will be possible through Saturday.



Atlantic Basin Satellite Image

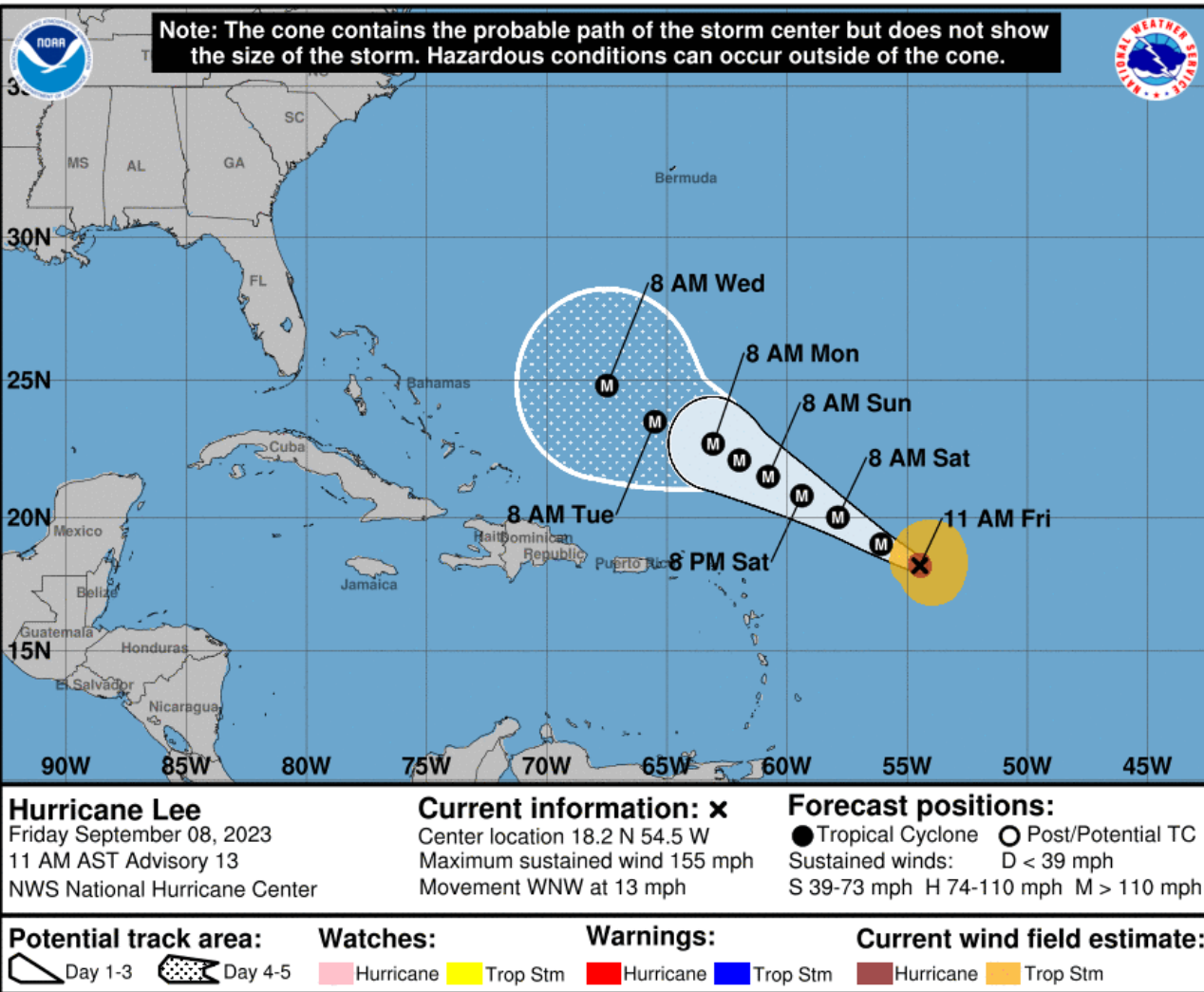
Chance of development: None Low Medium High





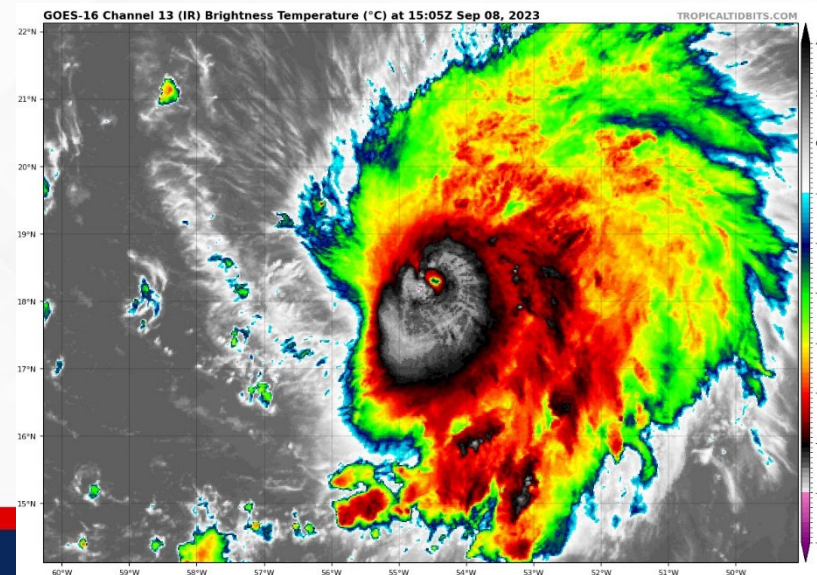
Forecast Cone

Major Hurricane Lee ([LINK](#))



- **Location:** 565 miles E of the Northern Leeward Islands
- **Maximum Sustained Winds:** 155 mph; Category 4
- **Current Movement:** WNW at 13 mph
- **FL Watches/Warnings:** None

This west-northwestward motion is expected to continue through early next week with a significant decrease in forward speed. On the forecast track, Lee is expected to pass well north of the northern Leeward Islands, the Virgin Islands, and Puerto Rico over the weekend and into early next week. Some fluctuations in intensity are likely over the next few days, however Lee is expected to remain a powerful hurricane through early next week. *Lee poses no direct threat to Florida over the next 5-7 days, but this system will continue to be monitored. Dangerous beach and boating conditions could develop along the Florida East Coast early next week.*



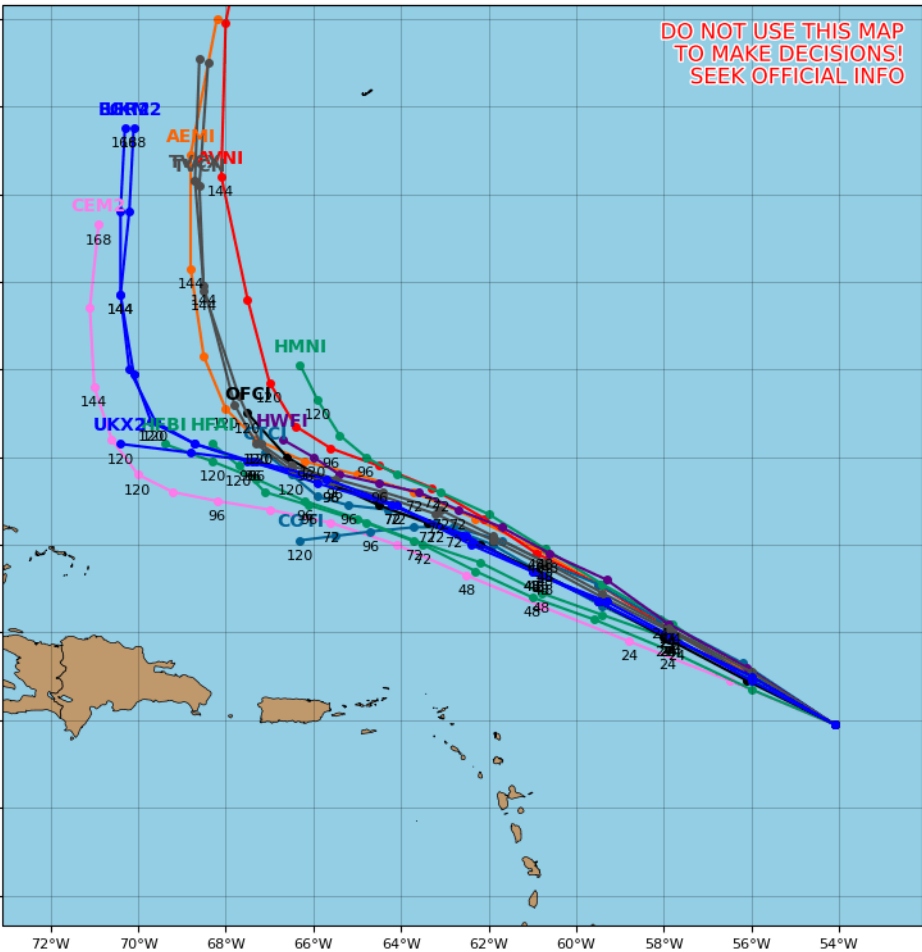


Model Forecasts – Next 5 Days

Major Hurricane Lee

Hurricane LEE Model Track Guidance

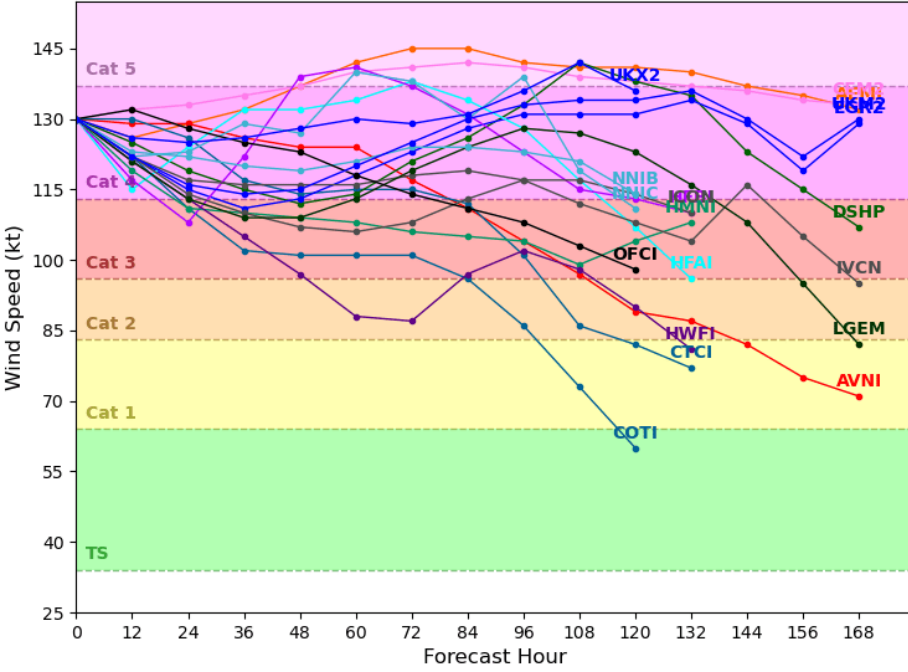
Initialized at 12z Sep 08 2023 Levi Cowan - tropicaltidbits.com



Computer models remain in very good agreement over the next several days as Lee continues a west-northwestward motion, and will decrease forward speed during the 3-5-day timeframe as the western extent of the tropical area of high pressure weakens. Additional fluctuations in intensity (*moderate wind shear and eye wall replacement cycles*) will likely continue through Lee's life cycle over the central tropical Atlantic. Regardless, confidence remains high that Lee will remain a powerful hurricane during the next several days.

Hurricane LEE Model Intensity Guidance

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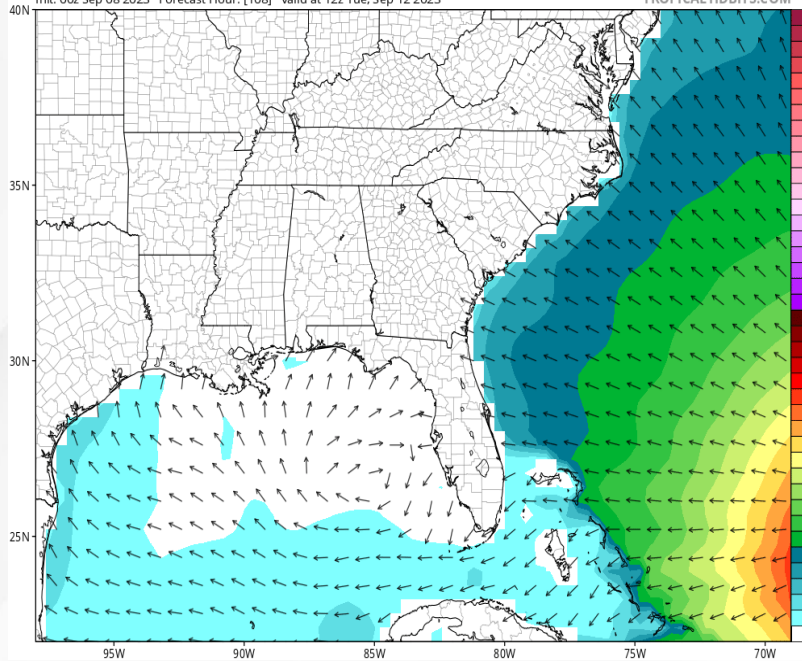
Coastal Impacts from Distant Lee

Atlantic Coast Beaches

ECMWF Significant Height (ft) and Direction of Combined Wind-Waves and Swells

Init: 00z Sep 08 2023 Forecast Hour: [108] valid at 12z Tue, Sep 12 2023

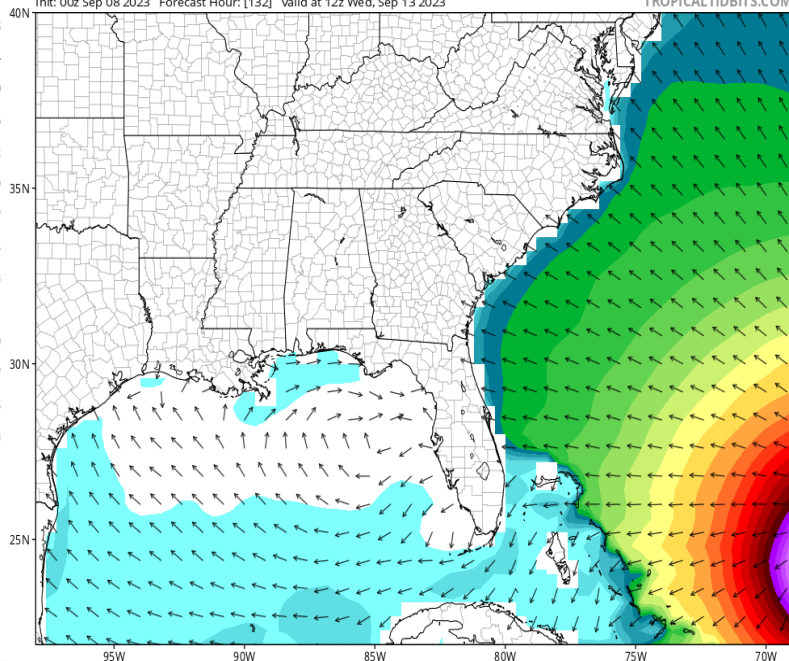
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ECMWF Significant Height (ft) and Direction of Combined Wind-Waves and Swells

Init: 00z Sep 08 2023 Forecast Hour: [132] valid at 12z Wed, Sep 13 2023

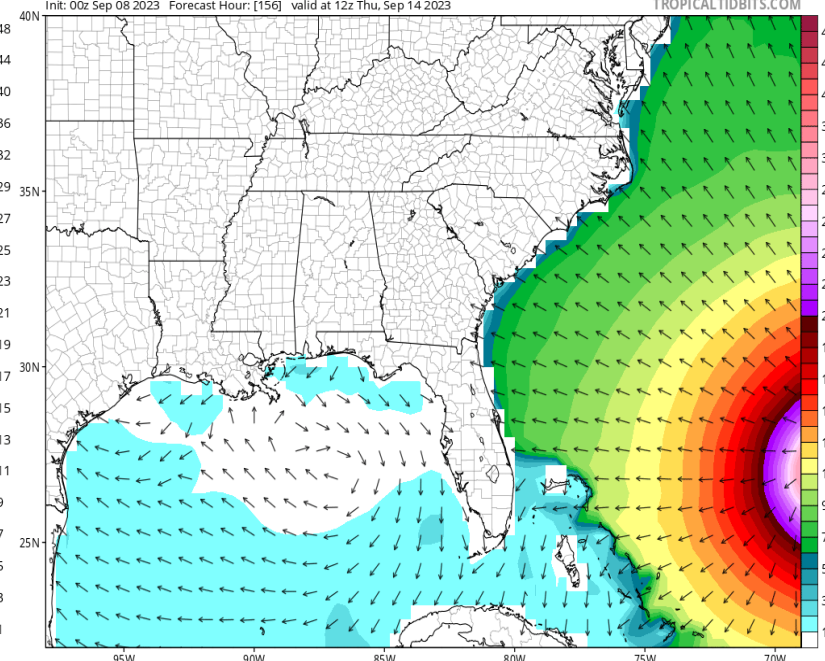
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ECMWF Significant Height (ft) and Direction of Combined Wind-Waves and Swells

Init: 00z Sep 08 2023 Forecast Hour: [156] valid at 12z Thu, Sep 14 2023

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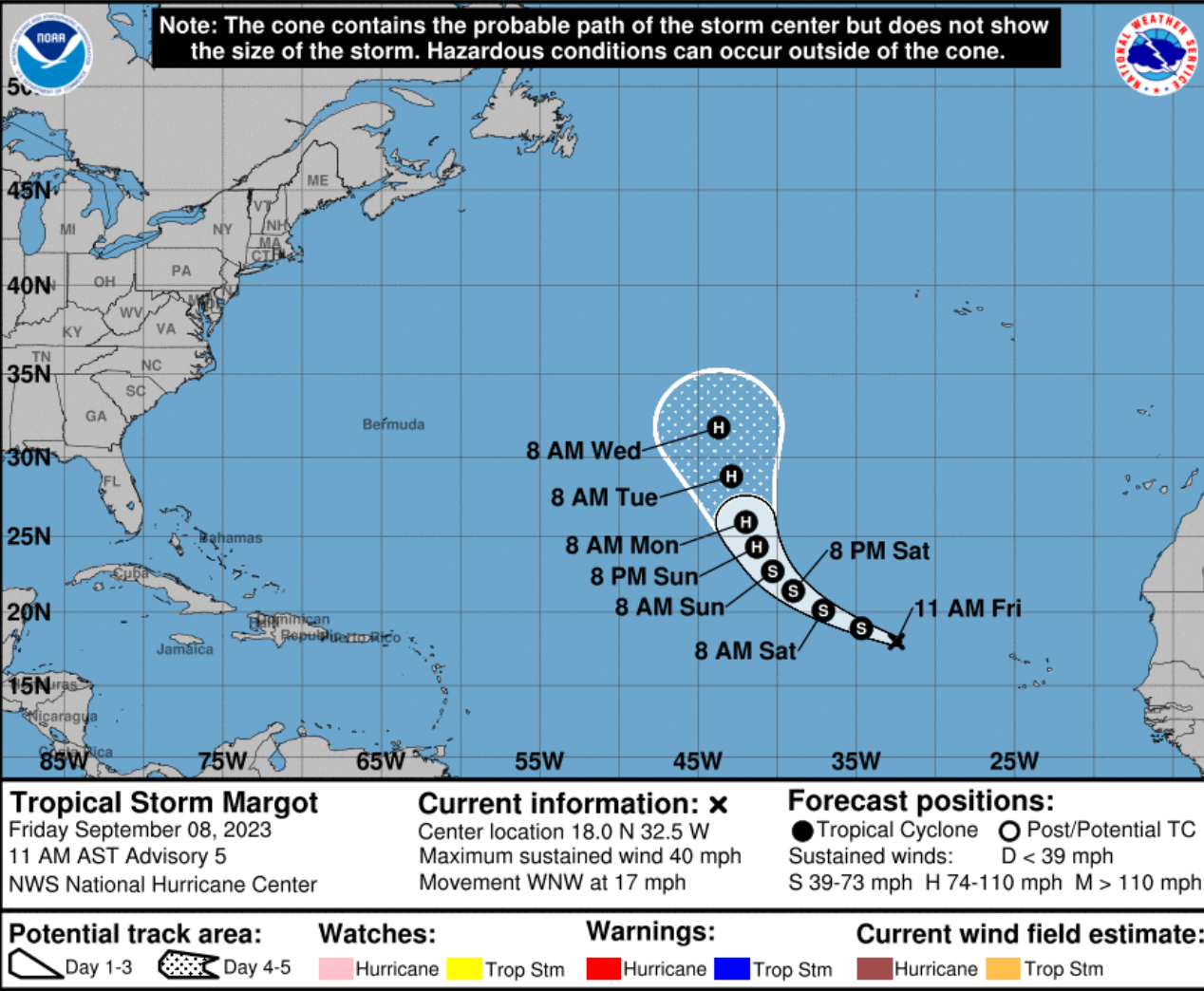


Long-period ocean swell from distant Lee will bring increasingly dangerous surf and an elevated risk of rip currents beginning as early as Monday along Florida's East Coast. Increased wave heights with persistent onshore flow could lead to potential beach erosion over multiple high tide cycles later next week. A High Surf Advisory may be required for portions of the Florida East Coast next week as forecast wave heights could reach criteria.



Forecast Cone

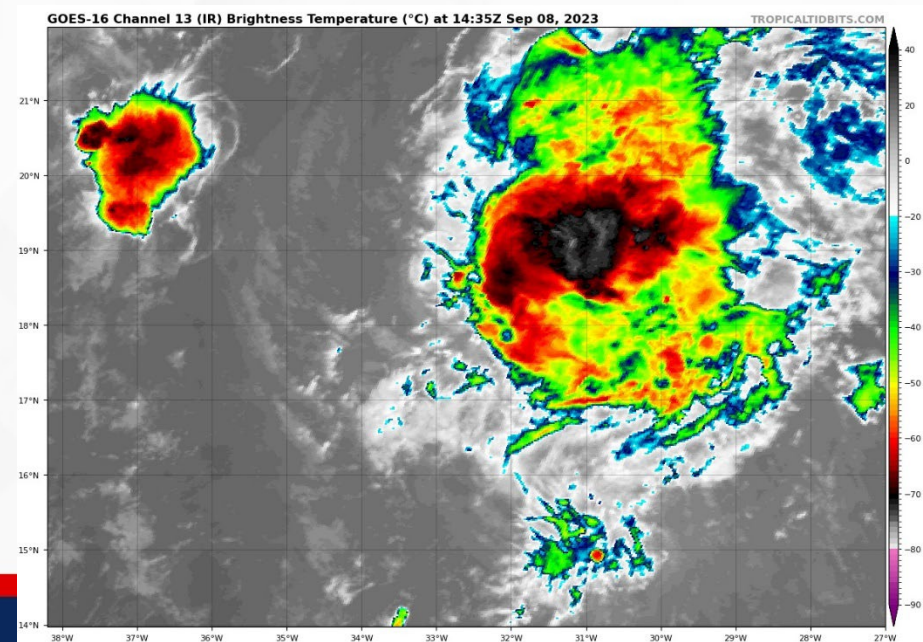
Tropical Storm Margot ([LINK](#))



- **Location:** 580 miles WNW of the Cabo Verde Islands
- **Maximum Sustained Winds:** 40 mph
- **Current Movement:** WNW at 17 mph
- **FL Watches/Warnings:** None

This general motion is expected to continue for the next day or two, with a turn toward a more northwestward motion early next week. Some strengthening is forecast during the next day or so, and Margot is forecast to become a hurricane later this weekend.

Tropical Storm Margot poses no threat to Florida.





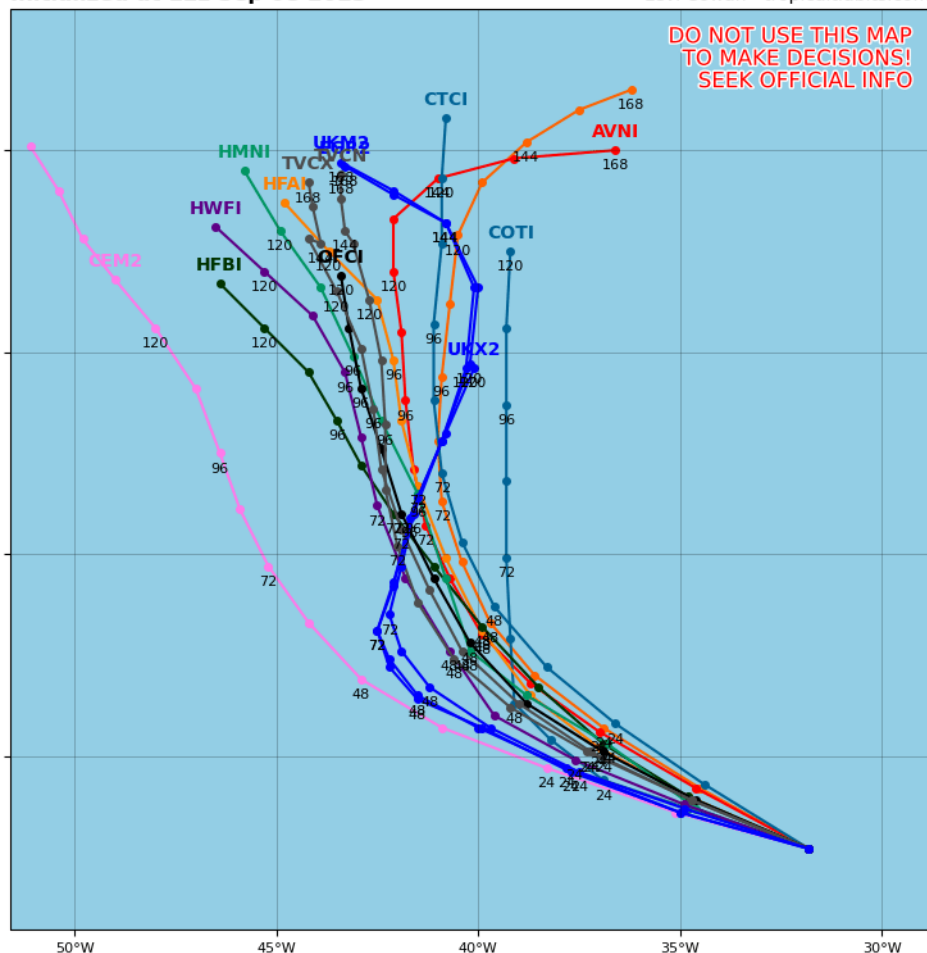
Model Forecasts – Next 5 Days

Tropical Storm Margot

Tropical Storm MARGOT Model Track Guidance

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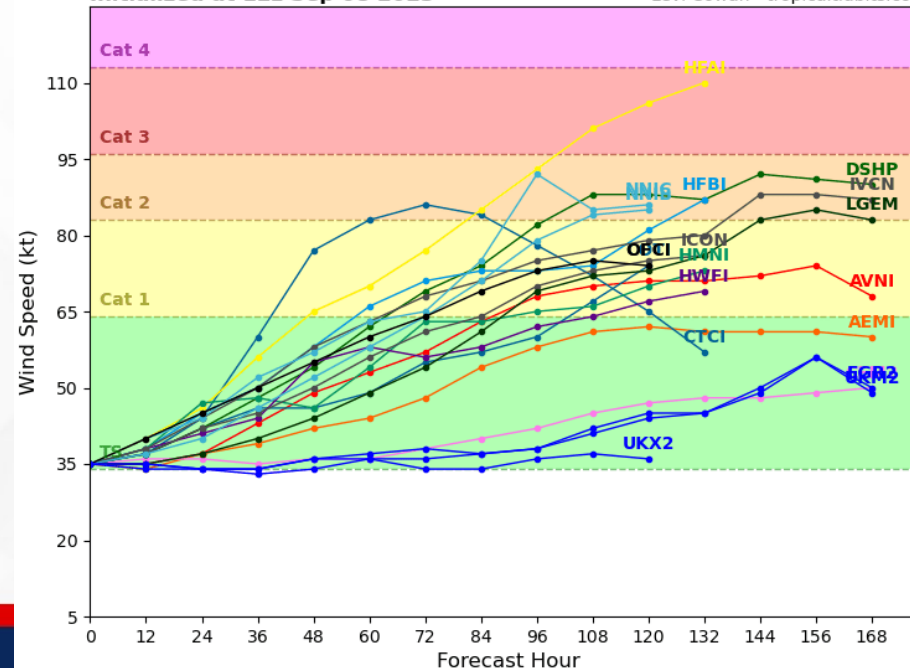


Computer models are generally in good agreement for the next several days that Margot will continue a west-northwestward motion over the next 24-48 hours. After the 48-hour time period, Margot will then begin to move more in a northwestward motion, and some uncertainty across the computer models enters the days 3-5 forecast. There is decent agreement that Margot will gradually intensify throughout the forecast period, and Margot could become a hurricane in the next 72-96 hours.

Tropical Storm MARGOT Model Intensity Guidance

Initialized at 12z Sep 08 2023

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Summary

Major Hurricane Lee:

- As of 11:00 AM EDT, Major Hurricane Lee is located about 565 miles east of the northern Leeward Islands, and is moving west-northwestward at 13 mph.
- This west-northwestward motion is expected to continue through early next week with a significant decrease in forward speed.
- On the forecast track, Lee is expected to pass well north of the northern Leeward Islands, the Virgin Islands, and Puerto Rico over the weekend and into early next week.
- Maximum sustained winds are near 155 mph, making Lee a very strong Category 4 hurricane.
- Some fluctuations in intensity are likely over the next few days; however, Lee is expected to remain a powerful hurricane through early next week.
- *This system poses no direct threat to Florida over the next 5-7 days, 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.*

Tropical Storm Margot:

- As of 11:00 AM EDT, Tropical Storm Margot is located about 580 miles west-northwest of the Cabo Verde Islands and is moving west-northwestward at 17 mph.
- This motion is expected to continue for the next day or two, with a turn towards a more northwestward motion early next week.
- Maximum sustained winds are near 40 mph, and some strengthening is forecast during the next day or so. Margot is forecast to become a hurricane later this weekend.
- *Margot poses no threat to Florida.*

Florida Outlook:

- Ongoing showers and thunderstorms to become increasingly numerous through the day, courtesy of the afternoon sea breeze and stalled frontal boundary (50-80% chance of rain).
- The primary concerns with this activity will be locally damaging wind gusts (45-60 mph), frequent lightning, hail, and torrential downpours (Marginal Risk for Severe Weather – level 1 of 5).
- Showers and thunderstorms will increase in intensity and areal coverage throughout the peak heating hours of the day (mainly after 1:00-2:00 PM EDT) across North and Central Florida.
- Triple digit heat index values (98-101-degrees) return to portions of North and interior Central Florida this afternoon.
- 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 linger into the weekend.
- The next name on the list Nigel.

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



Tropical Update



Created by:

Caitlyn Gillespie, Deputy State Meteorologist

Caitlyn.Gillespie@em.myflorida.com

State Meteorological Support Unit

Florida Division of Emergency Management

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