



# Tropical Update



12:00 PM EDT

Monday, September 11, 2023

## Idalia Recovery Weather

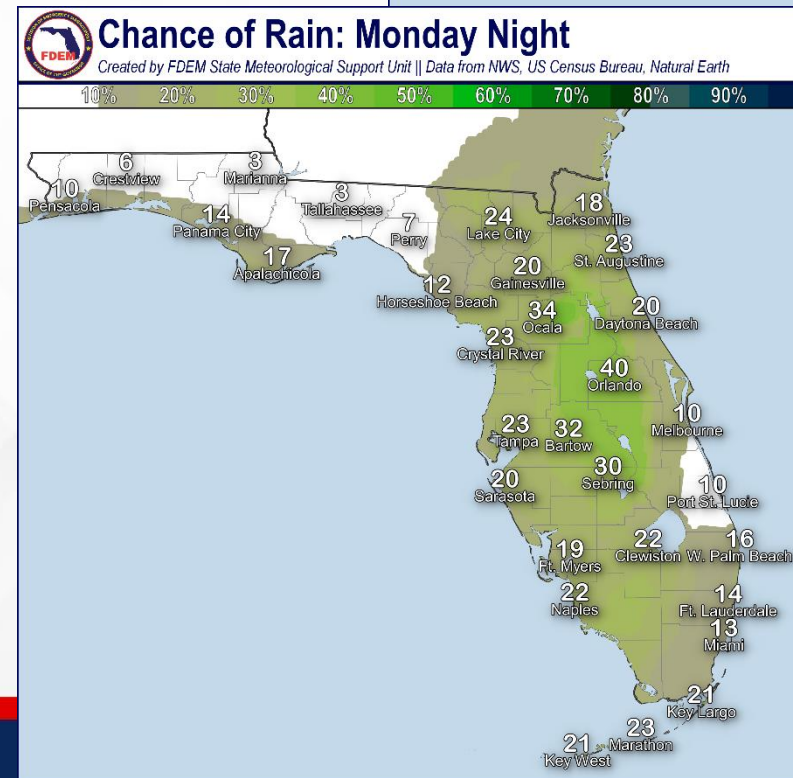
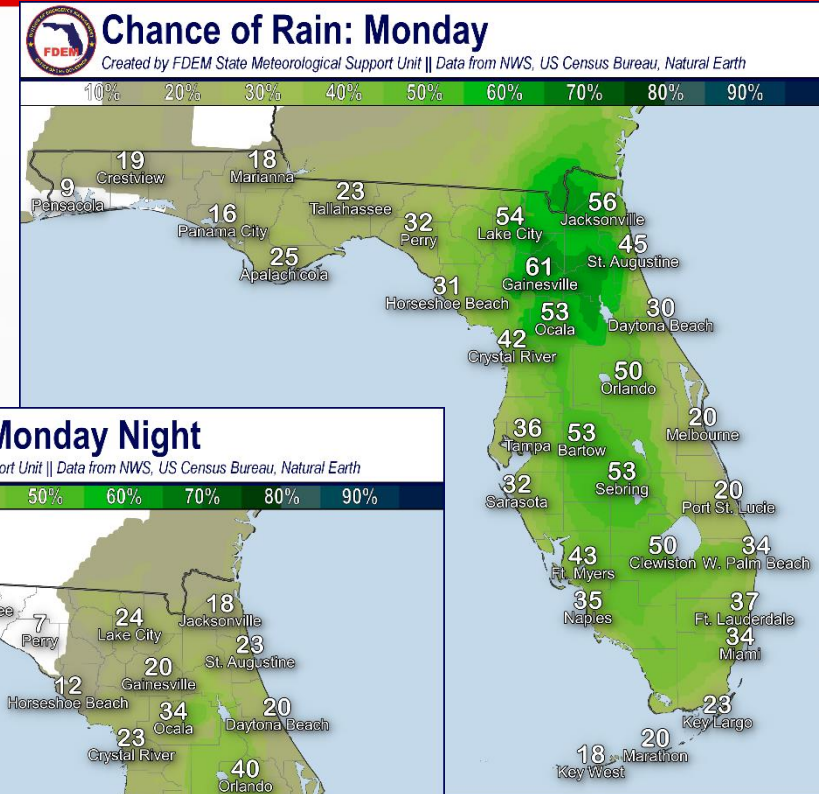
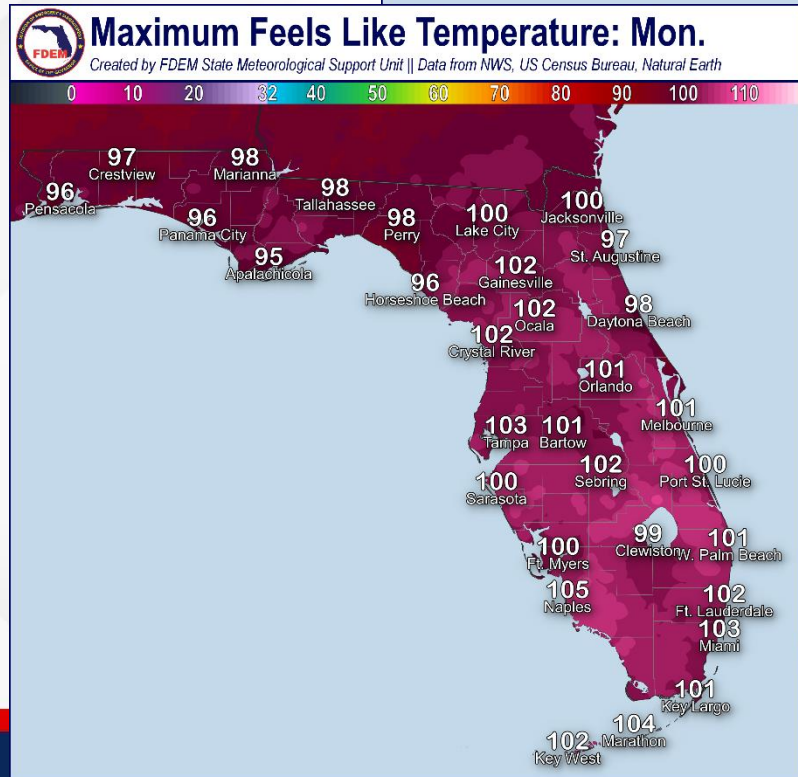
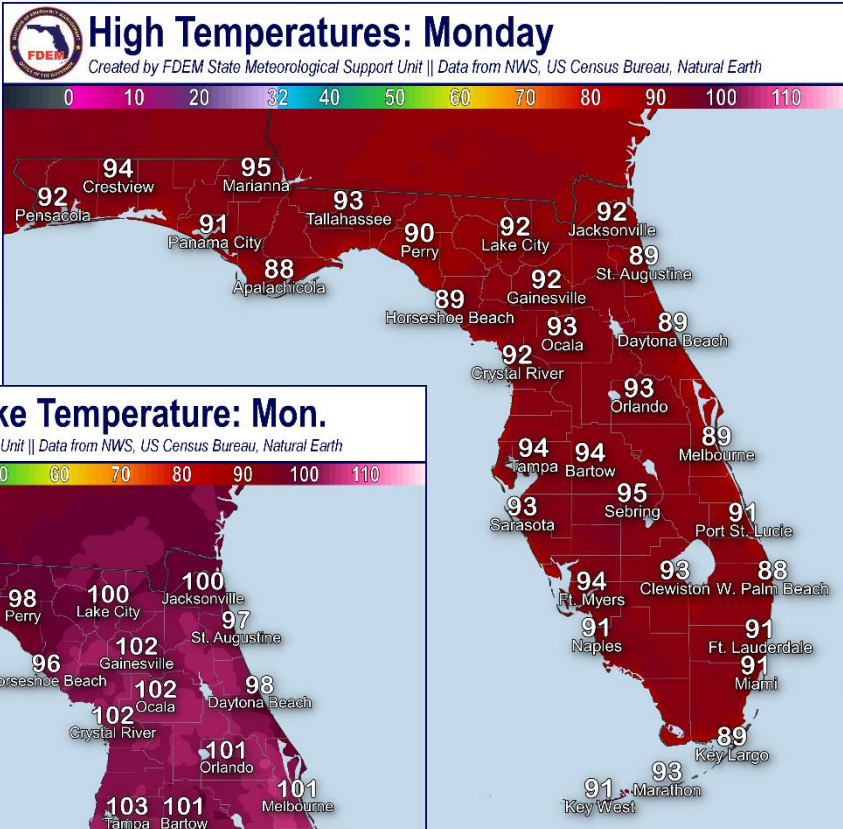
**Major Hurricane Lee, Tropical Storm Margot, Invest 97L  
(10%) & Eastern and Central Tropical Atlantic (60%)**

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](http://www.hurricanes.gov).



# Recovery Weather

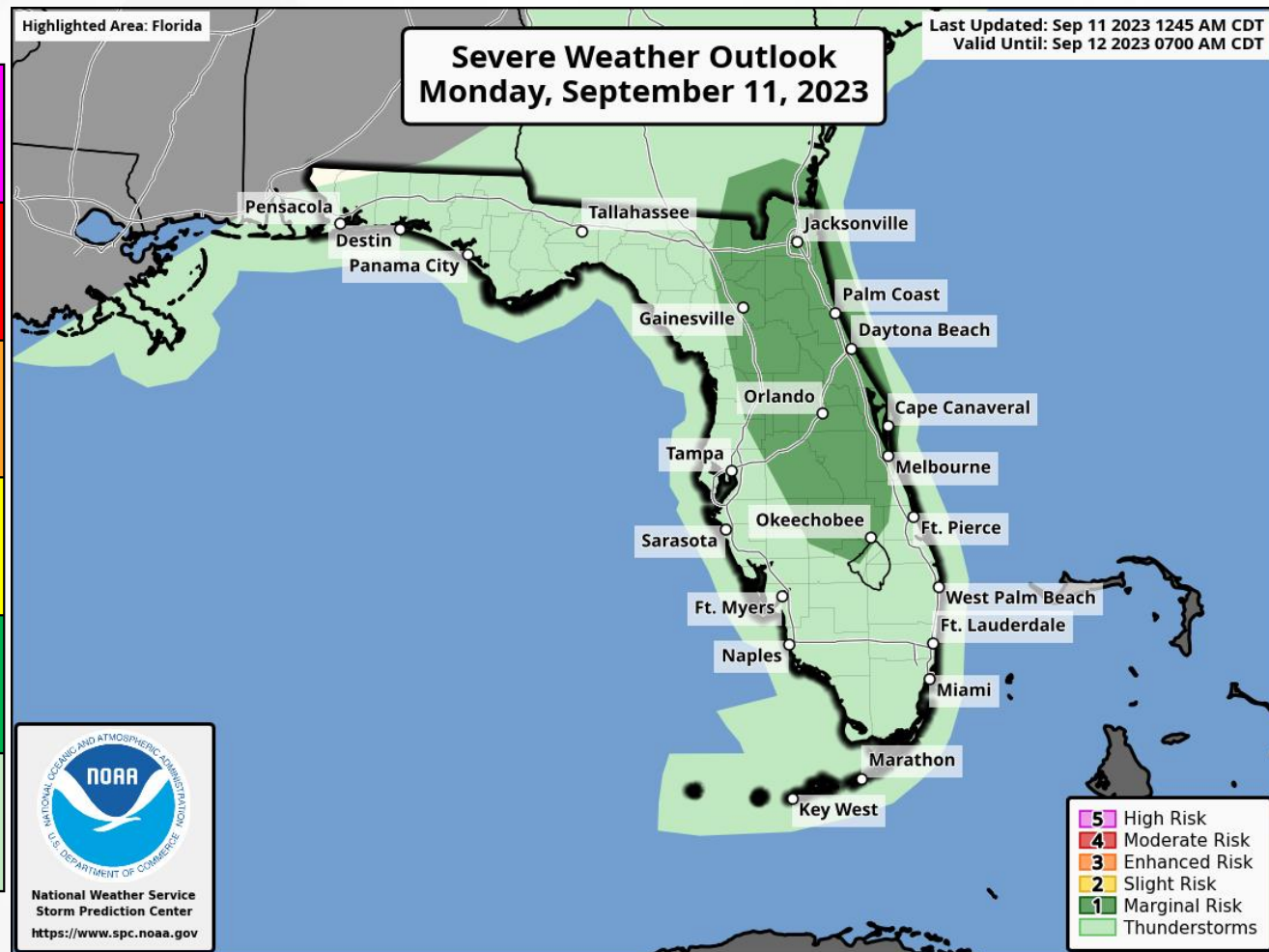
## Monday





# 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** east of and along the I-75 corridor through the central Peninsula. **Isolated strong to severe thunderstorms** will be capable of producing frequent lightning, damaging wind gusts (45-60 mph), and heavy downpours this afternoon and evening.

Timing: *This Afternoon – Evening*  
(3:00/4:00 PM EDT - 10:00/11:00 PM EDT)

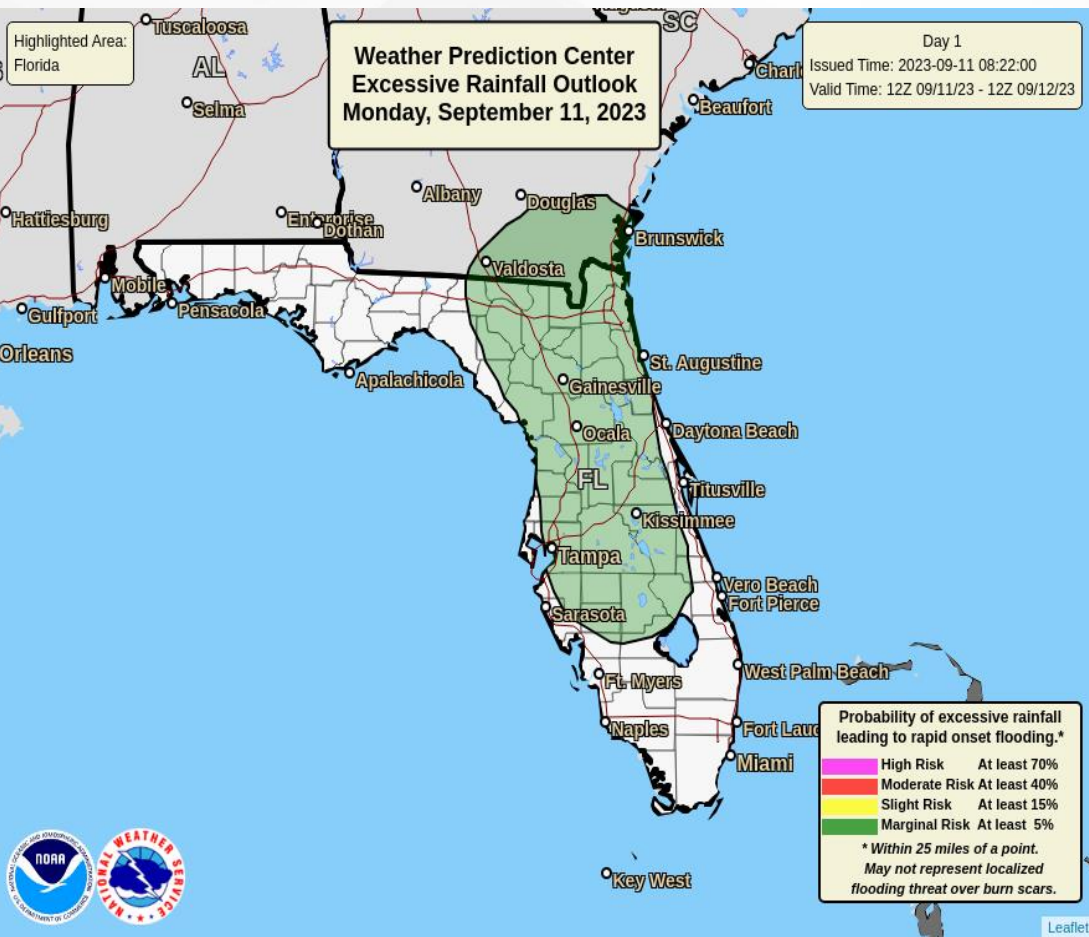
**Be sure you have multiple ways to receive weather notifications this afternoon and evening!**











# Flash Flood Outlook – Today

## From the Weather Prediction Center



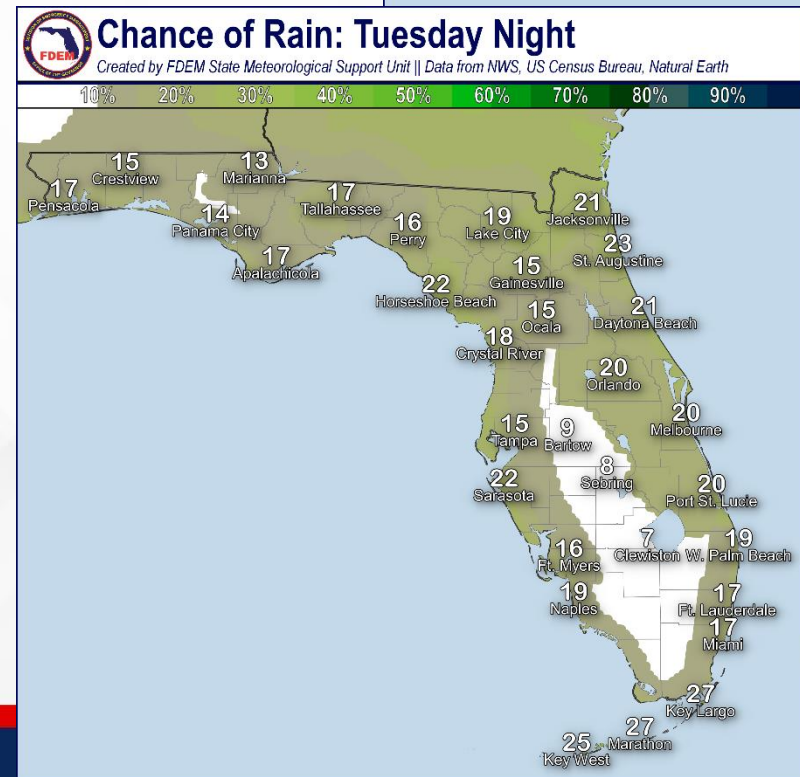
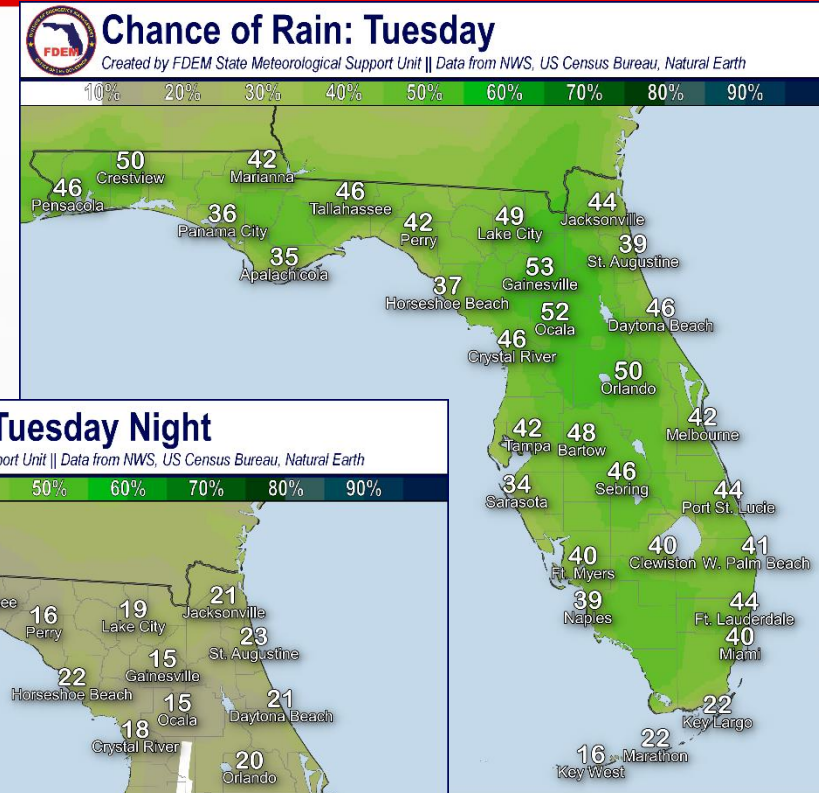
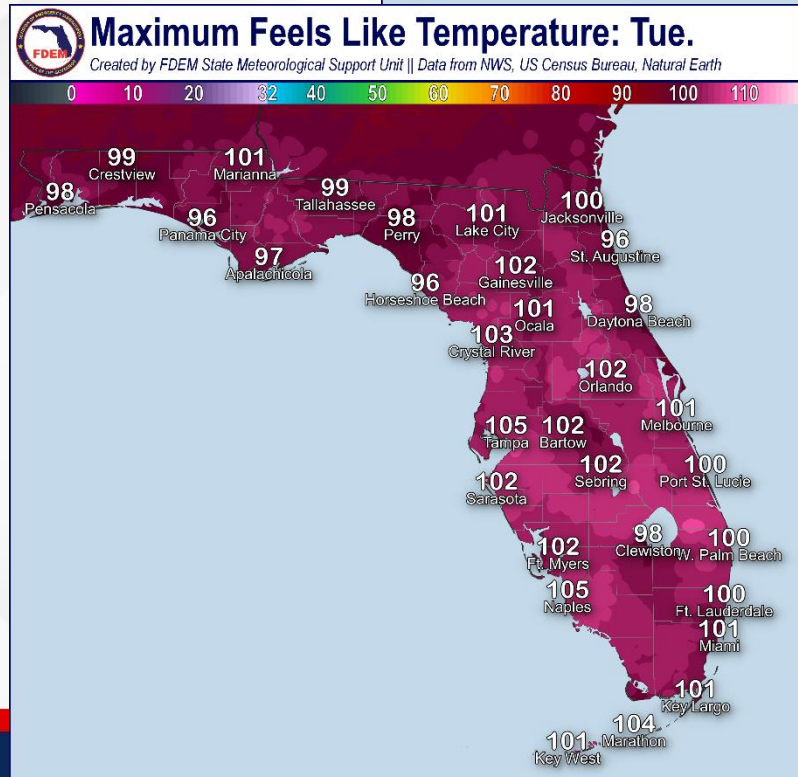
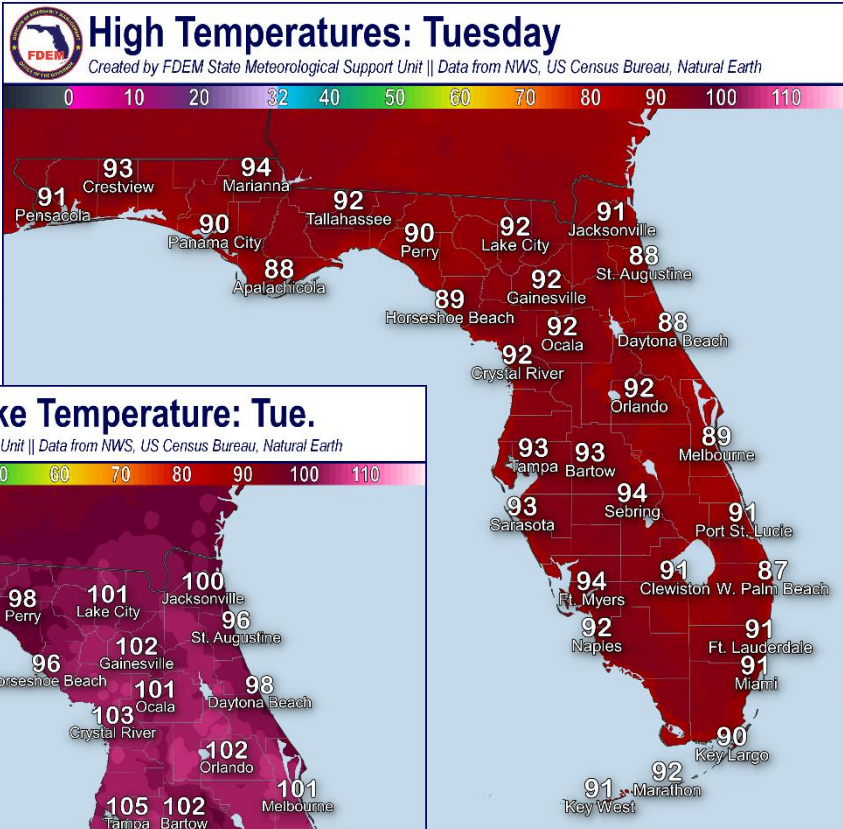
Understanding WPC Excessive Rainfall Risk Categories				
No Area/Label	MARGINAL (MRGL)	SLIGHT (SLGT)	MODERATE (MDT)	HIGH (HIGH)
Flash floods are generally not expected.	Isolated flash floods possible	Scattered flash floods possible	Numerous flash floods likely	Widespread flash floods expected
Localized 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.	
<a href="http://www.wpc.ncep.noaa.gov">@NWSWPC</a>				
Flash flooding near me?	Flash Flooding	Flash Flooding	Flash Flooding	Flash Flooding
NO Flash Flooding				
 				
WEATHER PREDICTION CENTER				

The Weather Prediction Center (WPC) is outlooking a **Marginal Risk (level 1 of 4) for Flash Flooding** from the Suwannee Valley and throughout the Peninsula to Lake Okeechobee. Showers and thunderstorms will produce heavy and intense downpours throughout the afternoon and evening, leading to rainfall totals of 1-3" with **locally higher totals** of 4-5" across portions of the Peninsula. Additional rainfall over saturated grounds will give way to instances of **localized flooding** and **ponding of water**.



# Recovery Weather

## Tuesday

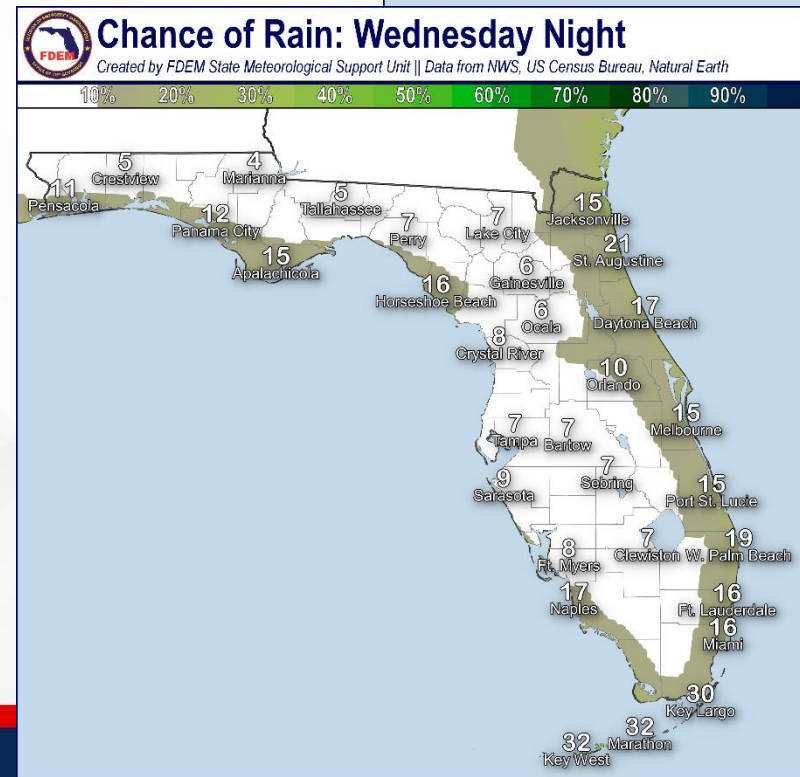
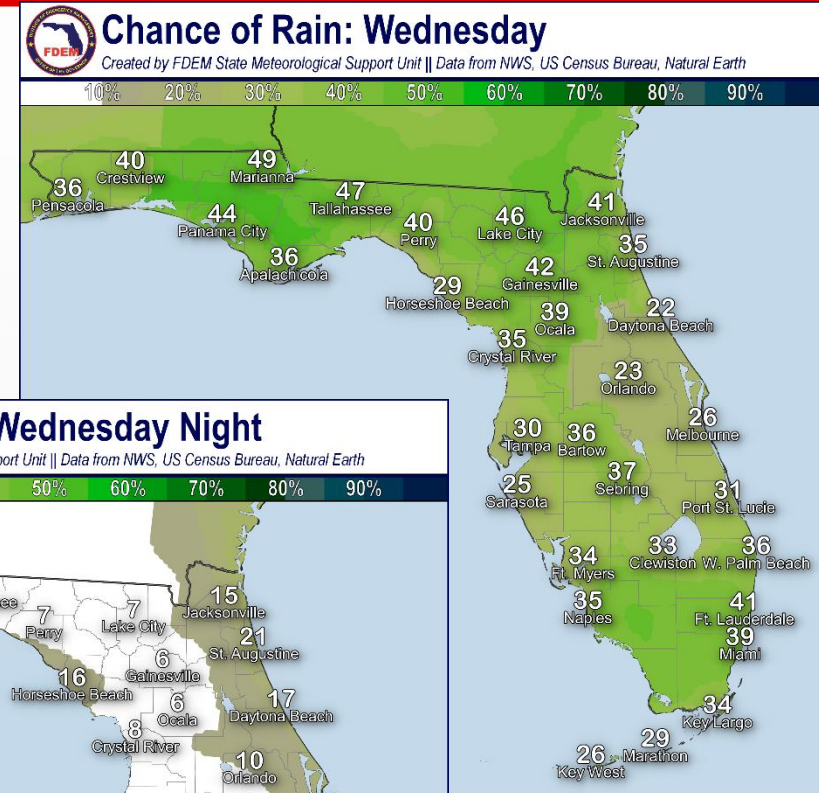
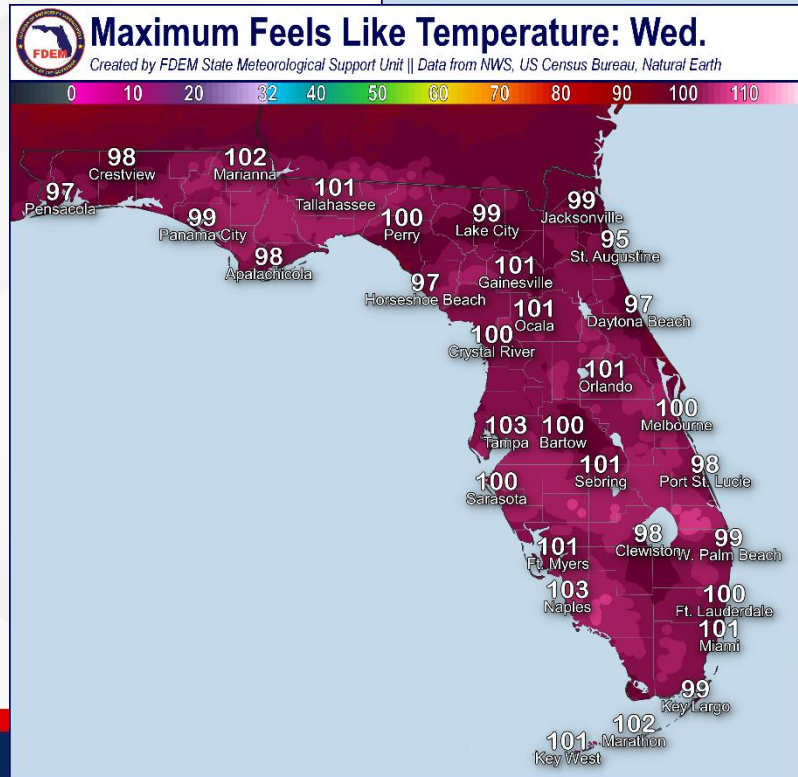
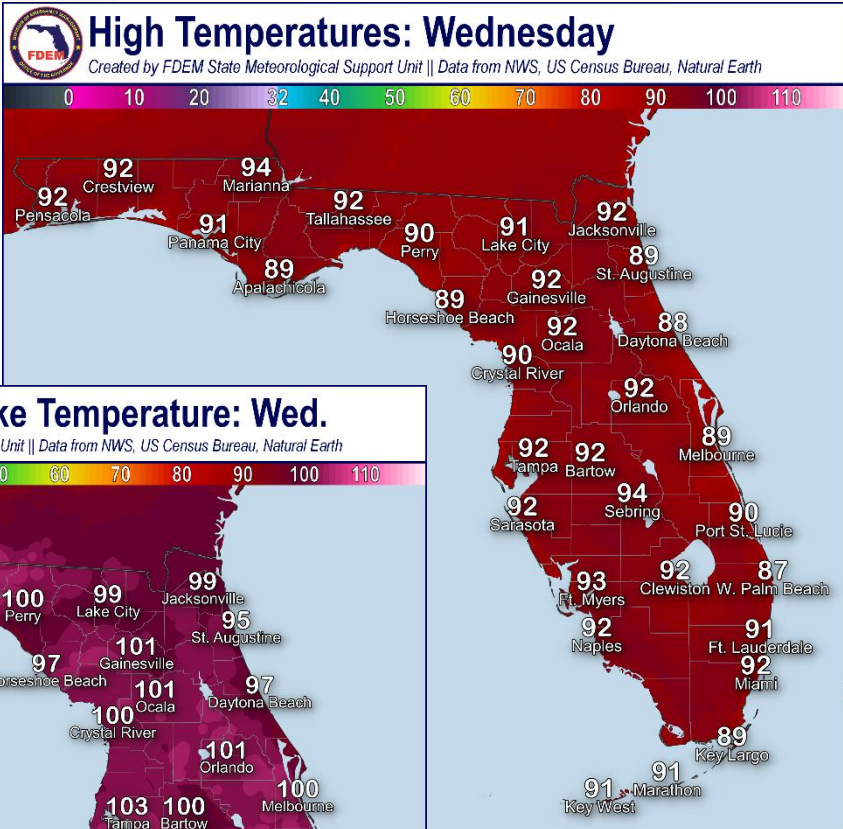






# Recovery Weather

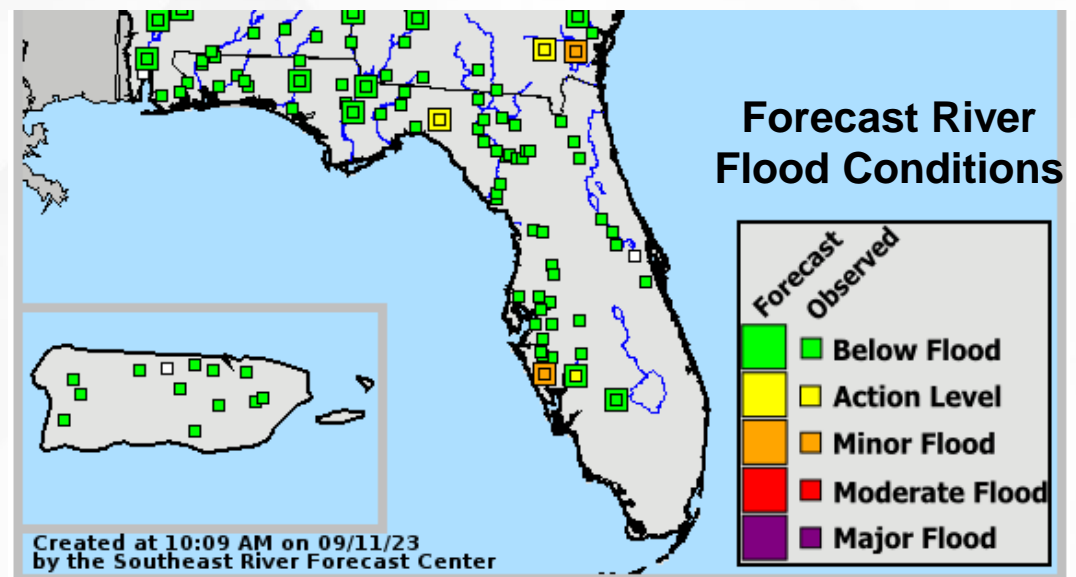
## Wednesday



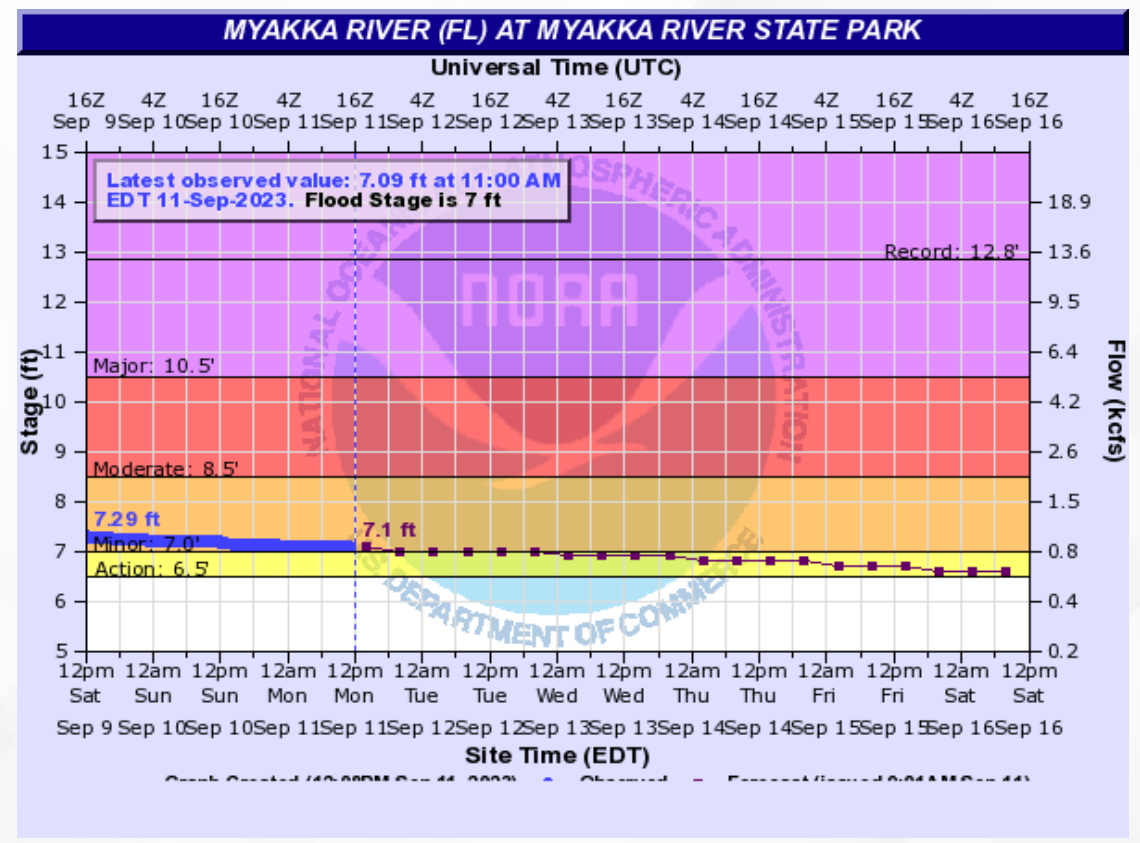


# Riverine Flooding

10:00 AM EDT Monday



A **River Flood Warning** remains in effect for the [Myakka River at Myakka River State Park](#). **Minor flooding** is ongoing and is forecast to continue through early part of this week. Water levels continue to slowly decline and are forecast to fall below flood stage by midweek.





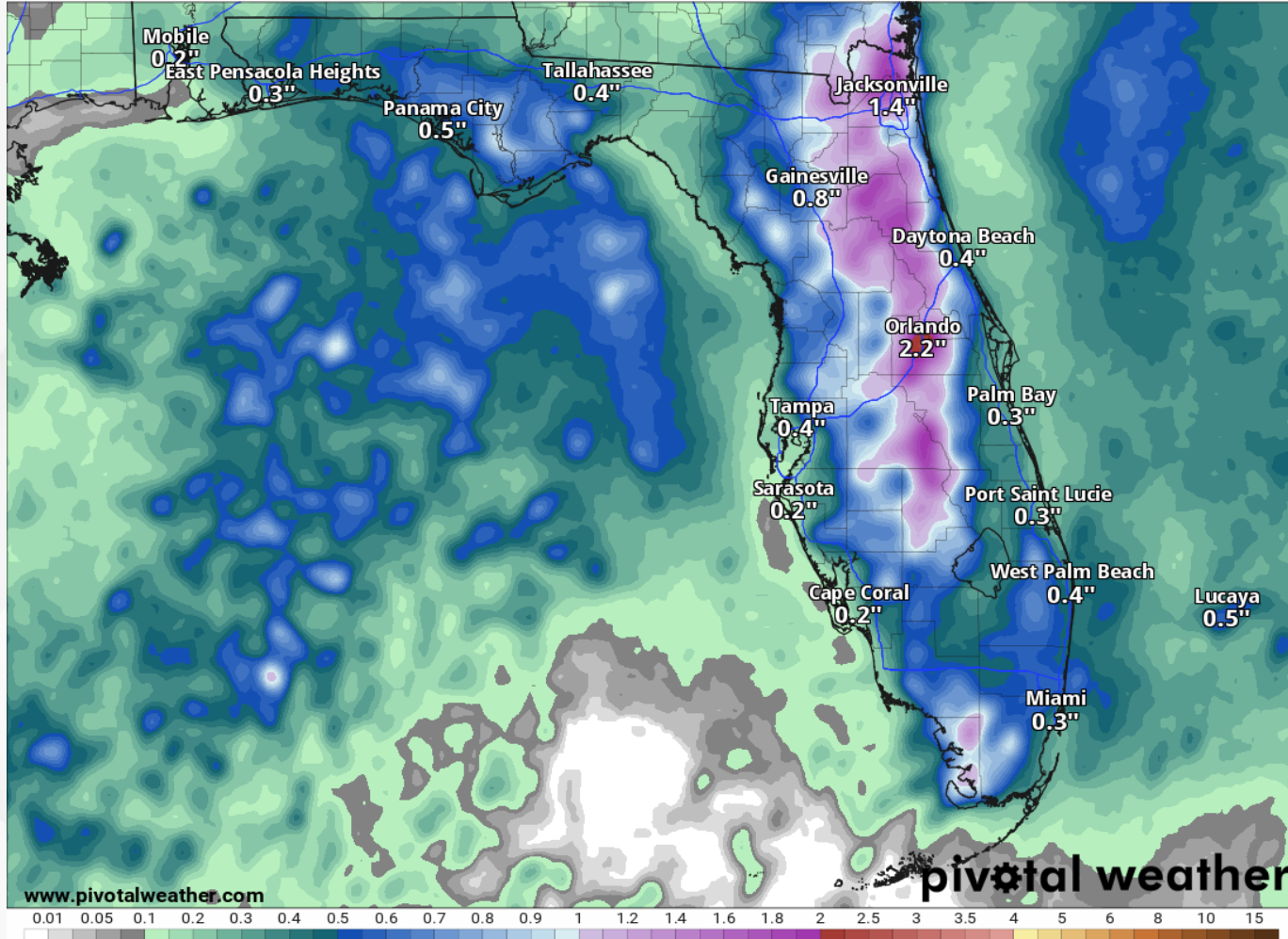
# 5-Day Forecast Rainfall

From the National Weather Service & Weather Prediction Center

120-Hour Precipitation (in)

Ending Saturday, Sep. 16, 2023 at 8 a.m. EDT

Init: Mon 2023-09-11 12z WPC



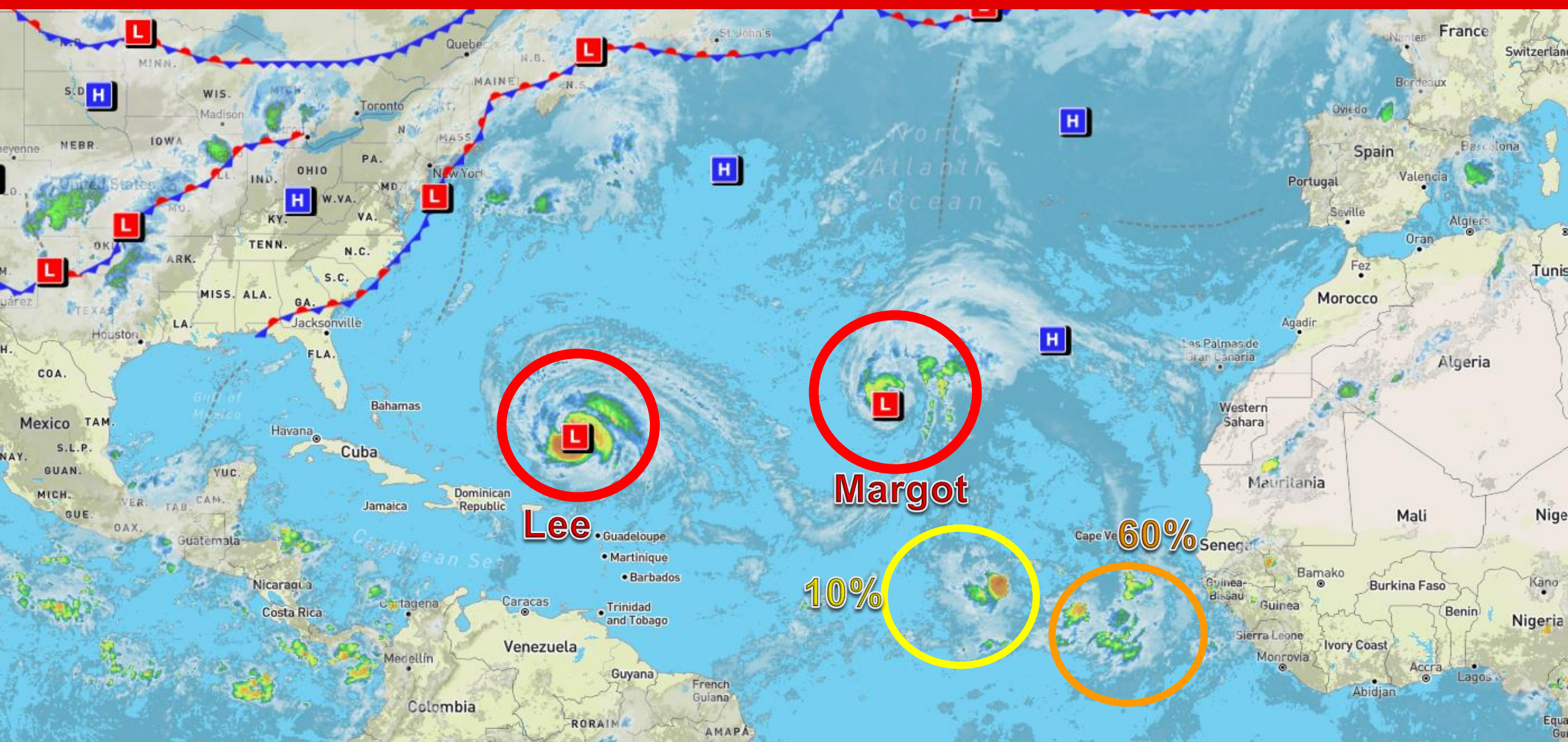
The active weather pattern can be expected to continue over the next 5 days bringing daily showers and thunderstorms with the help of the sea breeze boundaries and returning moisture. Rainfall totals of 1-3" can be expected, with locally higher totals of 4" for portions of Northeast Florida and through the central Peninsula. A weak cold front will approach the Panhandle from the west mid-week, which will also bring additional showers and thunderstorms.





# Atlantic Basin Satellite Image

Chance of development:    None    Low    Medium    High

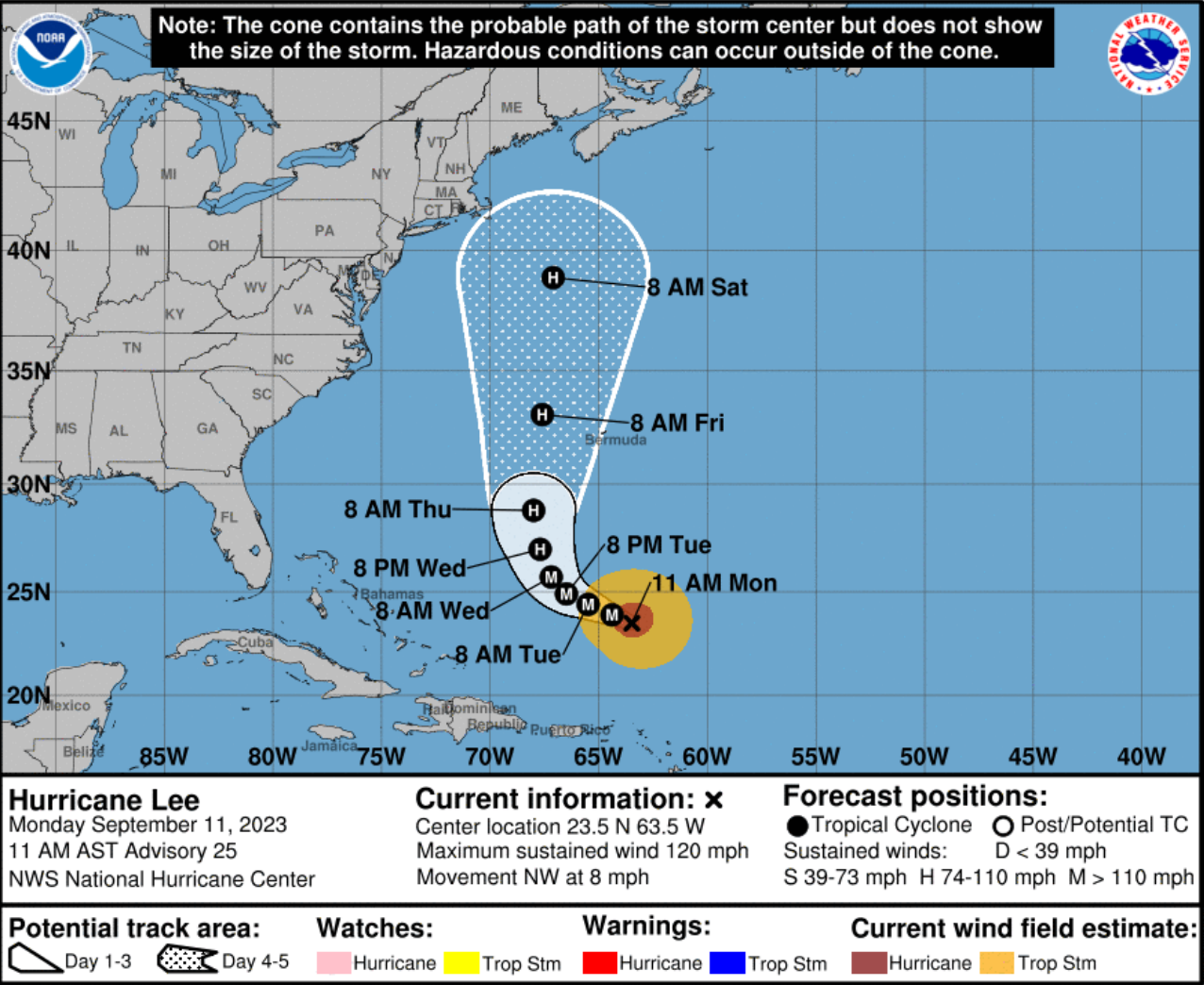






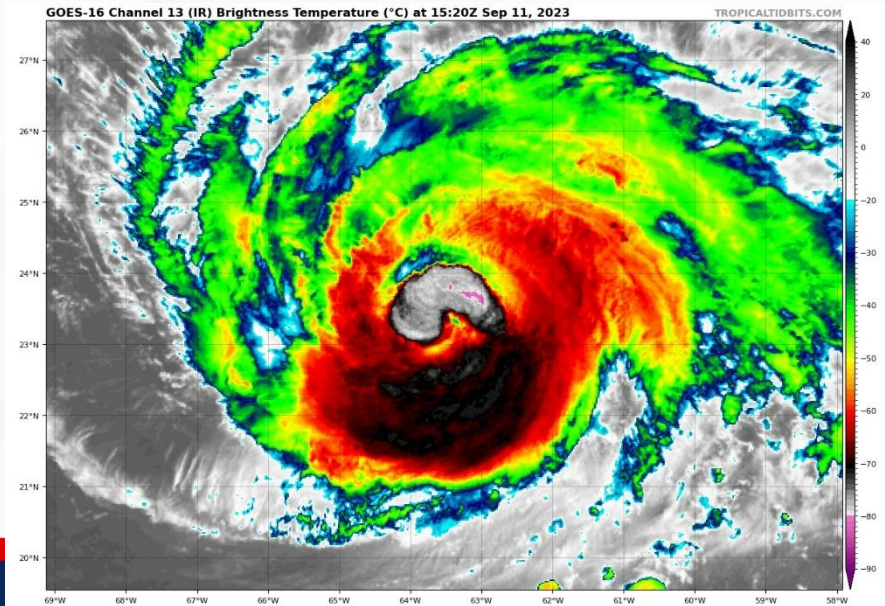
# Forecast Cone

## Hurricane Lee ([LINK](#))



- **Location:** 615 miles S of Bermuda
- **Maximum Sustained Winds:** 120 mph; Category 3
- **Current Movement:** NW at 8 mph
- **FL Watches/Warnings:** None

A slow west-northwest to northwest motion is expected during the next couple of days, 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 strengthening is forecast over the next day or so, followed by gradual weakening. *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 beginning today.*







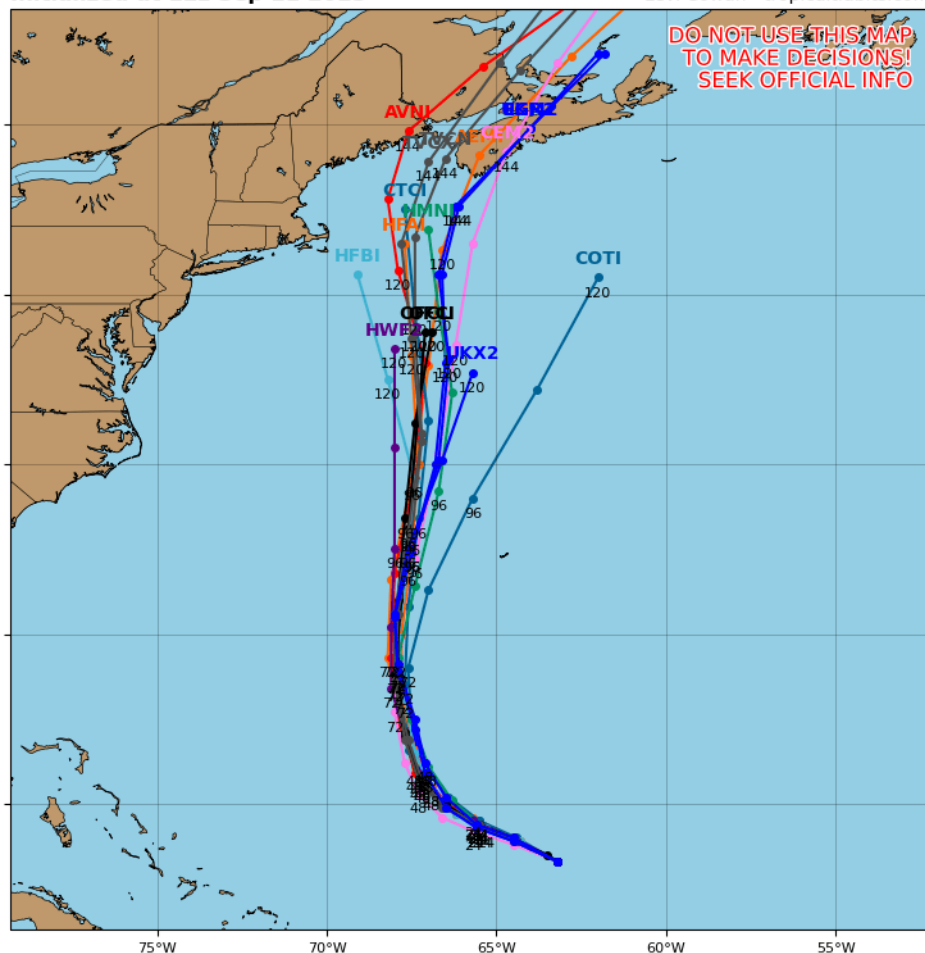
# Model Forecasts – Next 5 Days

## Hurricane Lee

### Hurricane LEE Model Track Guidance

Initialized at 12z Sep 11 2023

Levi Cowan - tropicaltidbits.com

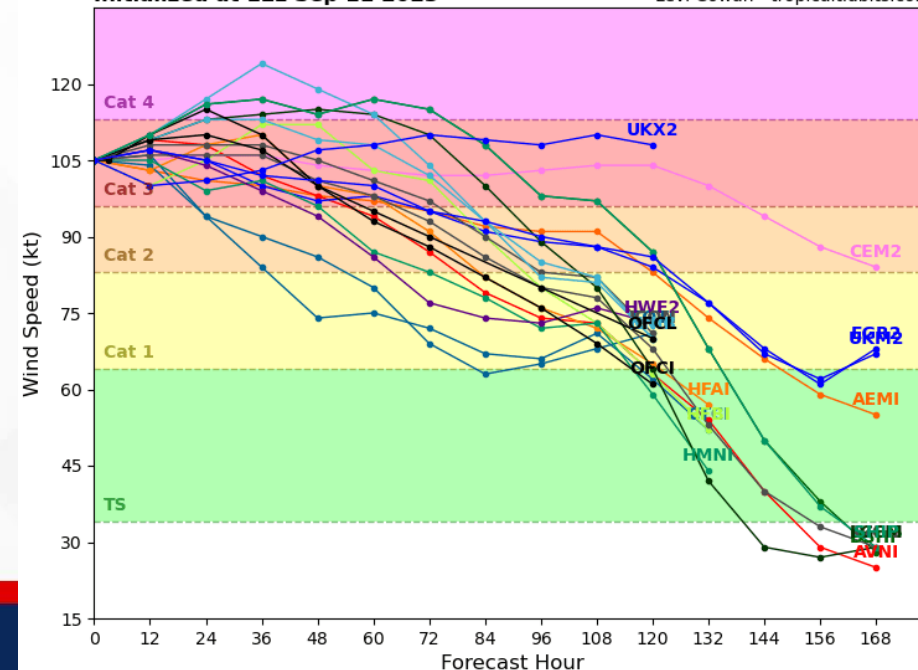


Computer models remain within good agreement that Lee will continue west-northwestward to northwestward through the next 24-48 hours due to high pressure to its north-northeast. By midweek, Lee is forecast to make a turn toward the north courtesy of an upper-level disturbance over the central U.S. pushing eastward towards the East Coast by mid-to-late week. Computer models remain show good agreement that there is still some possible strengthening within the next 24-48 hours as the system will remain within favorable atmospheric and oceanic conditions. After 48 hours, the system is forecast to weaken as it enters less favorable oceanic and atmospheric conditions.

### Hurricane LEE Model Intensity Guidance

Initialized at 12z Sep 11 2023

Levi Cowan - tropicaltidbits.com

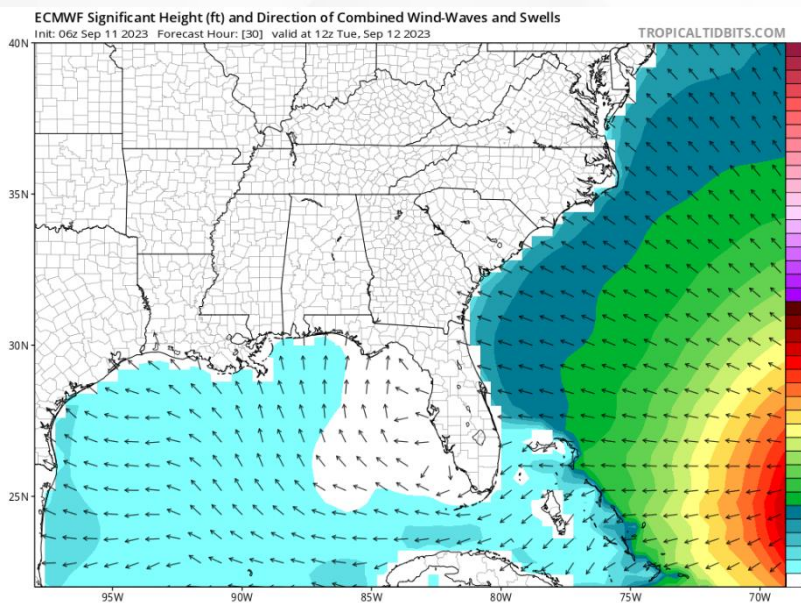




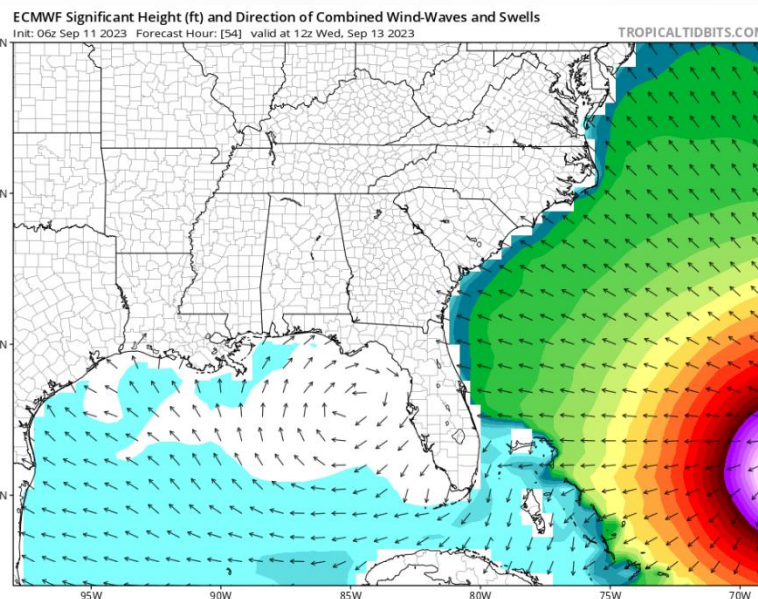
# Coastal Impacts from Distant Lee

## Atlantic Coast Beaches

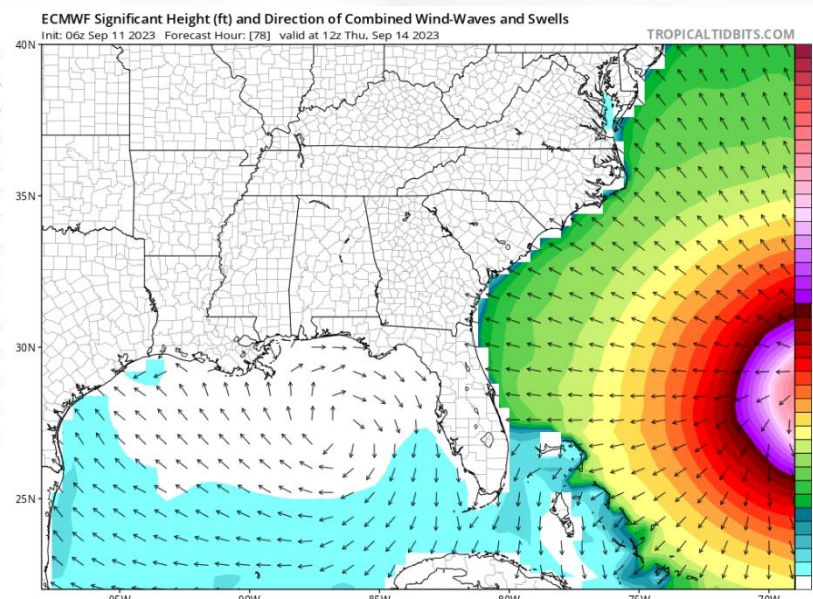
Tuesday AM



Wednesday AM



Thursday AM



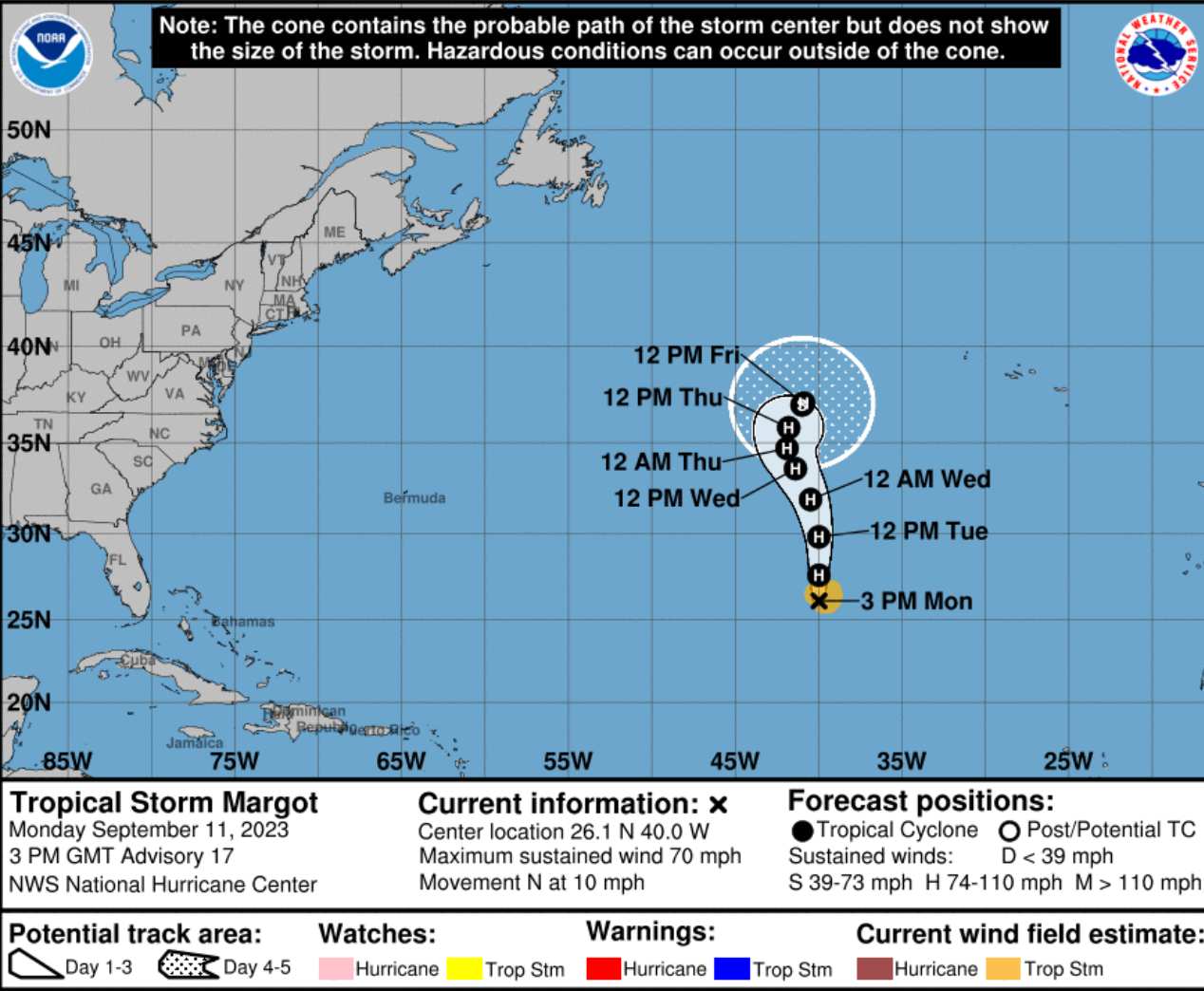
Long-period ocean swells and dangerous beach boating conditions can be expected to develop along the Florida East Coast this week as distant Hurricane Lee moves along the western Atlantic later this week. Wave heights will begin to rise starting today and continue through the middle to latter portions of this week. A high risk for rip currents has been issued along Northeast and East-Central Florida beaches and will continue through the latter part of this week. High Surf Advisories will likely be issued, and additional coastal products may follow.





# Forecast Cone

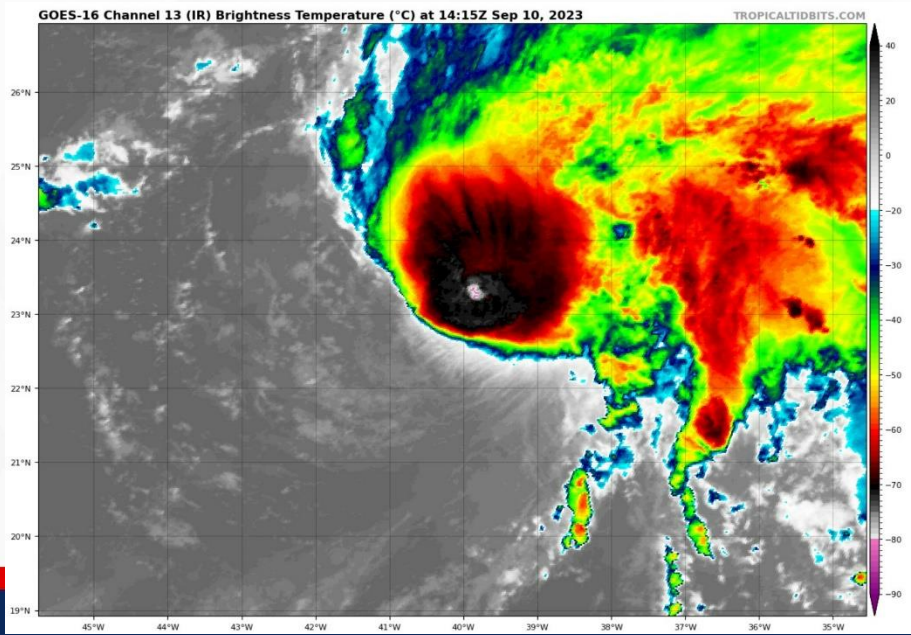
## Tropical Storm Margot ([LINK](#))



- **Location:** 1,245 miles NW of the Cabo Verde Islands
- **Maximum Sustained Winds:** 70 mph
- **Current Movement:** N at 10 mph
- **FL Watches/Warnings:** None

Margot is moving toward the north and this general motions is expected to continue during the next several days. Margot is close to hurricane strength and is forecast to become a hurricane late today. The system could strengthen further over the next few days.

*Tropical Storm Margot poses no threat to Florida.*





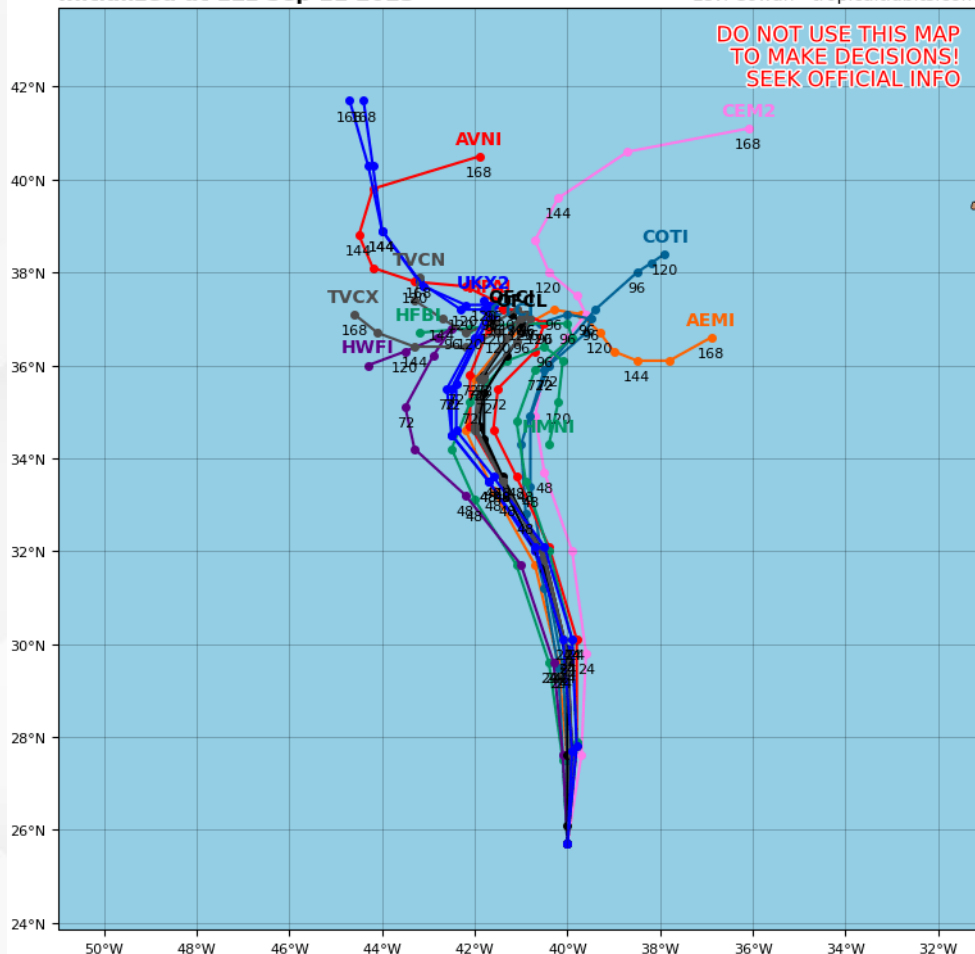
# Model Forecasts – Next 5 Days

## Tropical Storm Margot

### Tropical Storm MARGOT Model Track Guidance

Initialized at 12z Sep 11 2023

Levi Cowan - tropicaltidbits.com

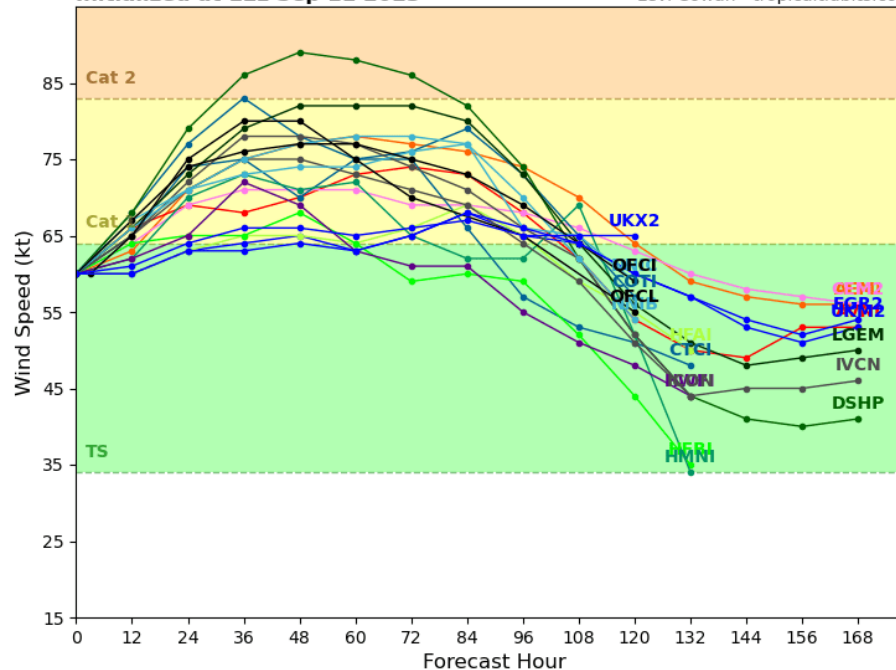


Computer models are in good agreement that Margot will continue on its northward track through the next 48-72 hours. There is computer model uncertainty with Margot's movement after 72 hours due to steering currents which may cause the system to stall over the central Atlantic. Computer models are in good agreement that Margot will continue to steadily strengthen over the next couple of days as it moves over favorable oceanic conditions and weakening upper-level winds. There is also agreement that Margot will begin to weaken after 48-72 hours due to growing unfavorable conditions.

### Tropical Storm MARGOT Model Intensity Guidance

Initialized at 12z Sep 11 2023

Levi Cowan - tropicaltidbits.com







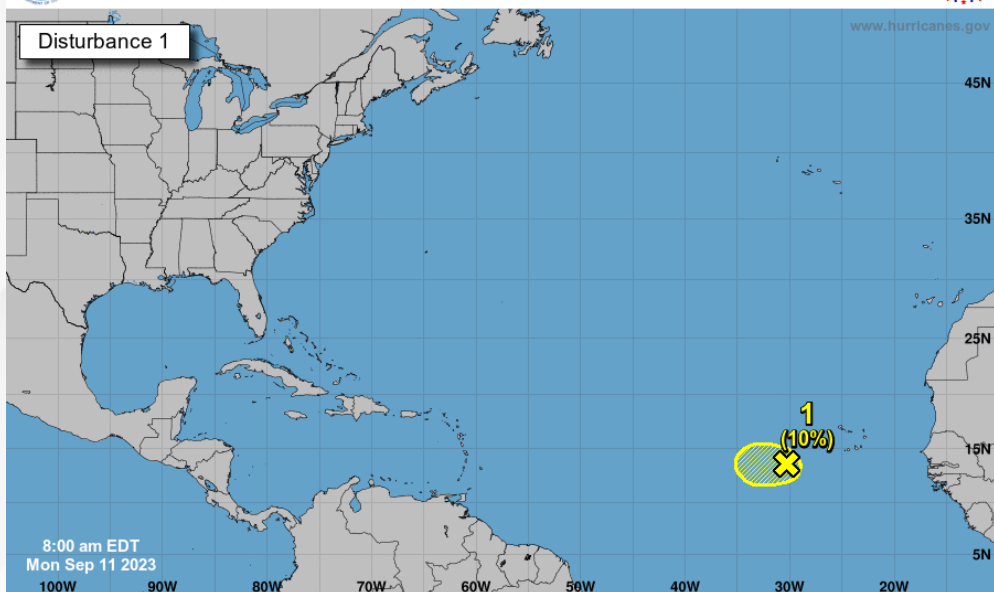
# Tropical Weather Outlook

Disturbance 1 – Invest 97L ([LINK](#))



## Seven-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



Current Disturbances and Seven-Day Cyclone Formation Chance: ✕ < 40% ✕ 40-60% ✕ > 60%  
Tropical or Sub-Tropical Cyclone: ○ Depression ○ Storm ○ Hurricane  
○ Post-Tropical Cyclone or Remnants

A weak area of low pressure located several hundred miles west-southwest of the Cabo Verde Islands is producing disorganized showers and thunderstorms well west of its center. This system is forecast to merge with a tropical wave to its east, therefore development of this system is unlikely.

*This system poses no threat to Florida.*

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

**10%**

**48 Hour Formation**

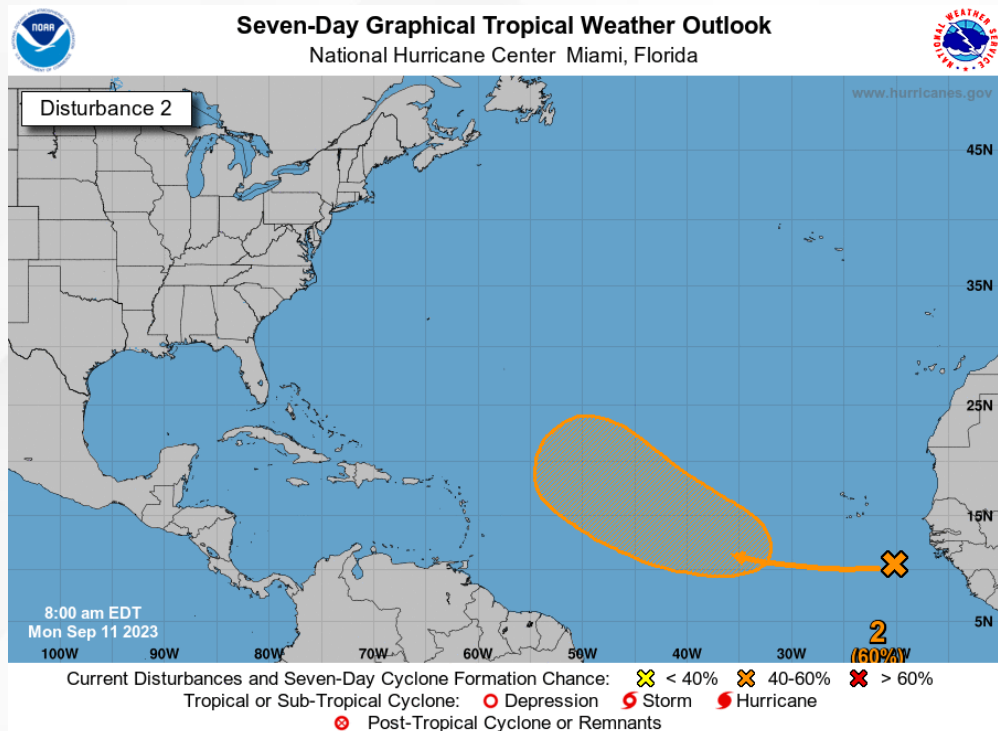
**10%**

**7 Day Formation**



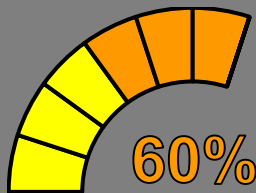
# Tropical Weather Outlook

Disturbance 2 – Eastern & Central Tropical Atlantic [LINK](#)



**Near 0%**

**48 Hour Formation**



**7 Day Formation**

A tropical wave is located over the far eastern tropical Atlantic between the Cabo Verde Islands and the west coast of Africa and is producing disorganized showers and thunderstorms. Environmental conditions appear conducive for gradual development of this system as it moves westward to west-northwestward over the central tropical Atlantic, and a tropical depression could form by the weekend.

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

- \* Formation chance through 48 hours...**low...near 0%..**
- \* Formation chance through 7 days...**medium...60%.**





# Summary

## **Major Hurricane Lee:**

- As of 11:00 AM EDT, Lee is located about 615 miles south of Bermuda and moving northwestward at 8 mph.
- A slow west-northwestward to northwest motion is expected during the next couple of days. Lee is forecast to pass near, but to the west of, Bermuda in a few days.
- Maximum sustained winds have increased to 120 mph, making Lee a Category 3 hurricane. Some strengthening is forecast over the next day or so, followed by gradual weakening.
- *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 beginning today.*

## **Tropical Storm Margot:**

- As of 11:00 AM EDT, Tropical Storm Margot is located about 1,245 miles northwest of the Cabo Verde Islands and is moving north at 10 mph.
- Margot's general northward motions is expected to continue during the next several days.
- Margot is near hurricane strength and forecast to become a hurricane later today. The system could further strengthen over the next few days.
- *Margot poses no threat to Florida.*

## **Eastern Tropical Atlantic (Invest 97L):**

- A weak area of low pressure over the eastern tropical Atlantic is producing disorganized showers and thunderstorms well to the west of its center.
- This system is forecast to merge with a tropical wave to its east, and development of this system is unlikely.
- There is a low chance (30%) for formation over the next 7 days.
- *This system poses no threat to Florida.*

## **Eastern and Tropical Atlantic:**

- A tropical wave is located over the far eastern tropical Atlantic between the Cabo Verde Islands and the west coast of Africa and producing disorganized showers and thunderstorms.
- Conditions appear conducive for gradual development of this system as it moves over the central tropical Atlantic through the weekend.
- There is a medium chance (60%) for formation over the next 7 days.
- *This system poses no threat to Florida at this time.*

## **Florida Outlook:**

- The active weather pattern continues as the daily sea breeze will give way to scattered showers and thunderstorms this afternoon and evening (25-65% chance of rain).
- The Storm Prediction Center (SPC) is outlooking a Marginal Risk (level 1 of 5) for Severe Weather across Northeast Florida and through the central Peninsula as isolated strong to severe thunderstorms will be possible this afternoon and evening.
- Any strong to severe thunderstorm that develops will be capable of producing frequent lightning, damaging wind gusts (45-60 mph), and heavy downpours.
- The Weather Prediction Center (WPC) is outlooking a Marginal Risk (level 1 of 4) for Flash Flooding across the Suwannee Valley and through the interior Peninsula to Lake Okeechobee ahead of heavy and intense downpours within shower and thunderstorm activity this afternoon and evening.
- Additional rainfall over saturated grounds may lead to instances of localized flooding and ponding of water.
- The next name on the list Nigel.

The next briefing package will be issued on Tuesday. 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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