



TROPICAL UPDATE



10:00 AM EST

Thursday, November 12, 2020

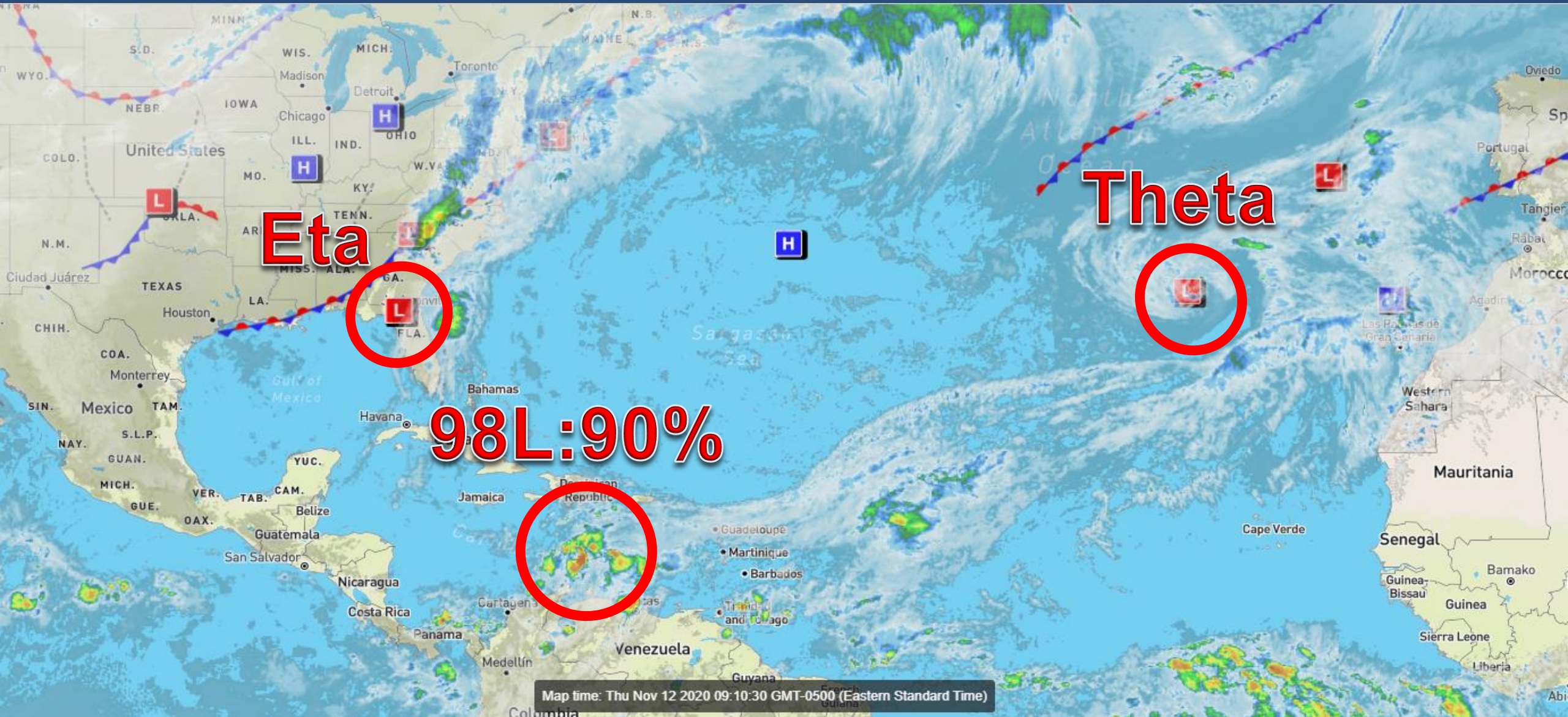
Tropical Storm Eta, Tropical Storm Theta,
and Invest 98L in the Caribbean (90%)

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.



Atlantic Basin Satellite Image

Chance of development: — None — Low — Medium — High



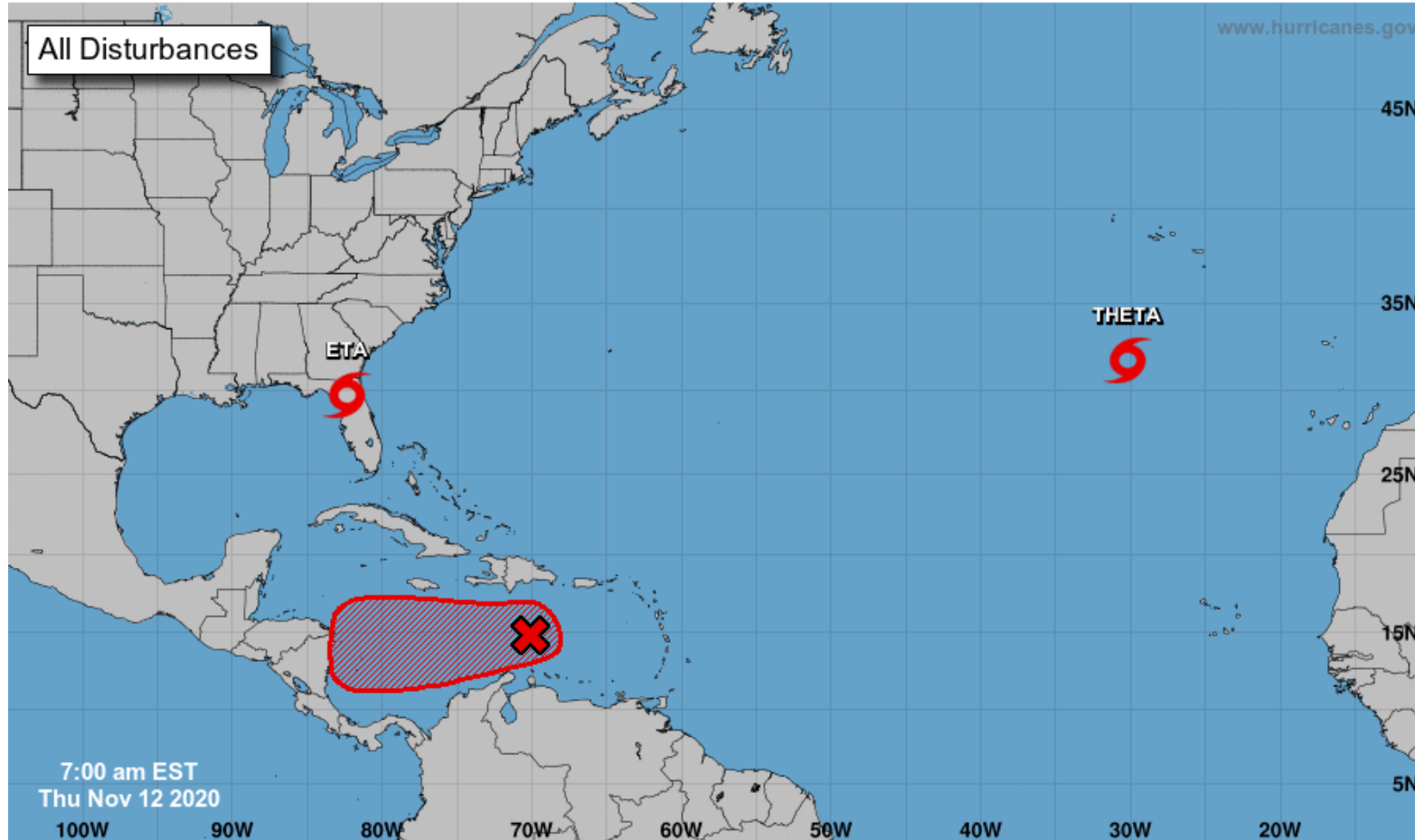


Tropical Weather Overview

Storms & Areas of Development During the Next 5 Days ([LINK](#))



Five-Day Graphical Tropical Weather Outlook National Hurricane Center Miami, Florida



Current Disturbances and Five-Day Cyclone Formation Chance: < 40% 40-60% > 60%

Tropical or Sub-Tropical Cyclone: Depression Storm Hurricane

Post-Tropical Cyclone or Remnants



National Hurricane Center Map

Note: The cone contains the probable path of the storm center but does not show the size of the storm. Hazardous conditions can occur outside of the cone.

The map shows the projected path of Tropical Storm Eta. The storm is currently located in the Gulf of Mexico, near the Florida coast, at 10 AM Thursday. It is moving north-northeast at 15 mph. The path is indicated by a cone that widens as it moves. Key locations along the path include the Florida coast (10 AM Thu), the Carolinas (7 AM Fri), and the New England area (7 PM Fri and 7 AM Sat). The map includes latitude and longitude markings and state abbreviations.

Tropical Storm Eta
Thursday November 12, 2020
10 AM EST Advisory 49
NWS National Hurricane Center

Current information: x
Center location 30.2 N 81.8 W
Maximum sustained wind 45 mph
Movement NNE at 15 mph

Forecast positions:
● Tropical Cyclone ○ Post/Potential TC
Sustained winds: D < 39 mph
S 39-73 mph H 74-110 mph M > 110 mph

Potential track area:
Day 1-3 Day 4-5

Watches:
Hurricane Trop Stm

Warnings:
Hurricane Trop Stm

Current wind extent:
Hurricane Trop Stm

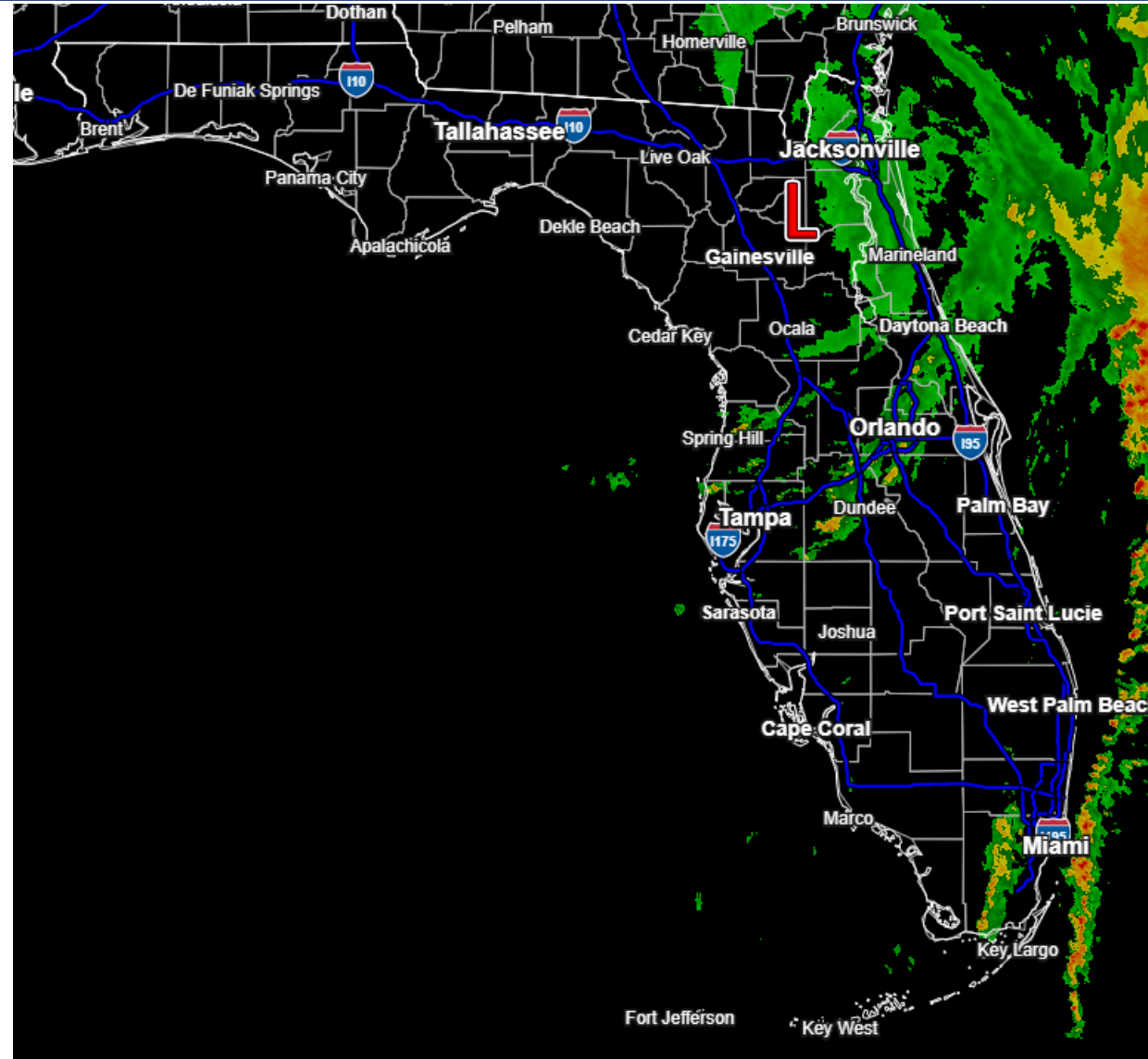
Eta maintains intensity as it moves over Jacksonville.
Most Tropical Storm Warnings have been canceled—only remain near the coast of Northeast Florida.
Minor to moderate river flooding is expected across West Central Florida.



Current Florida Radar

As of 9:15 AM ET

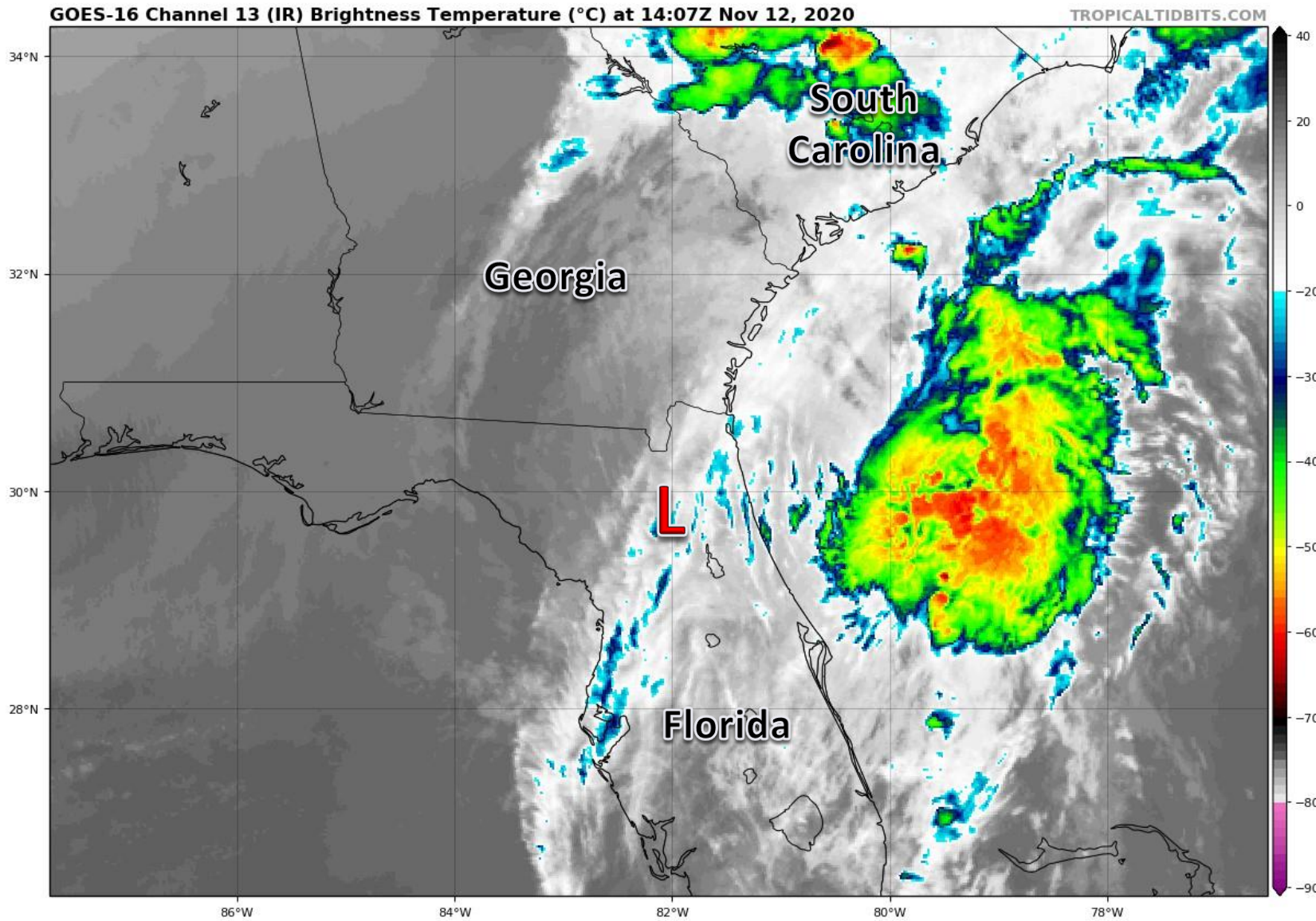
Rain bands from Eta continue across Northeast and Central Florida with a couple trailing bands down in Southeast Florida.



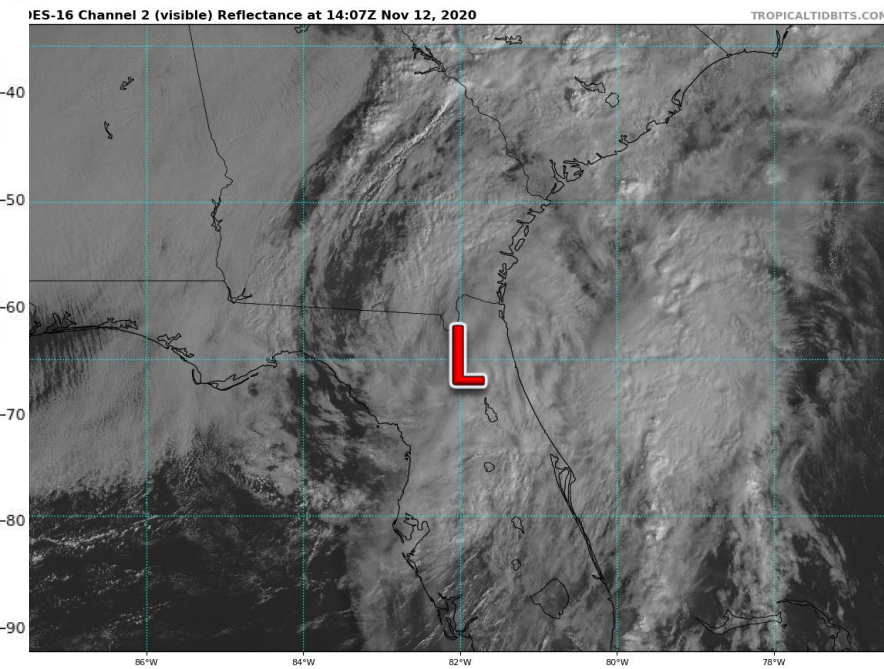


Satellite Imagery

Tropical Storm Eta – Florida



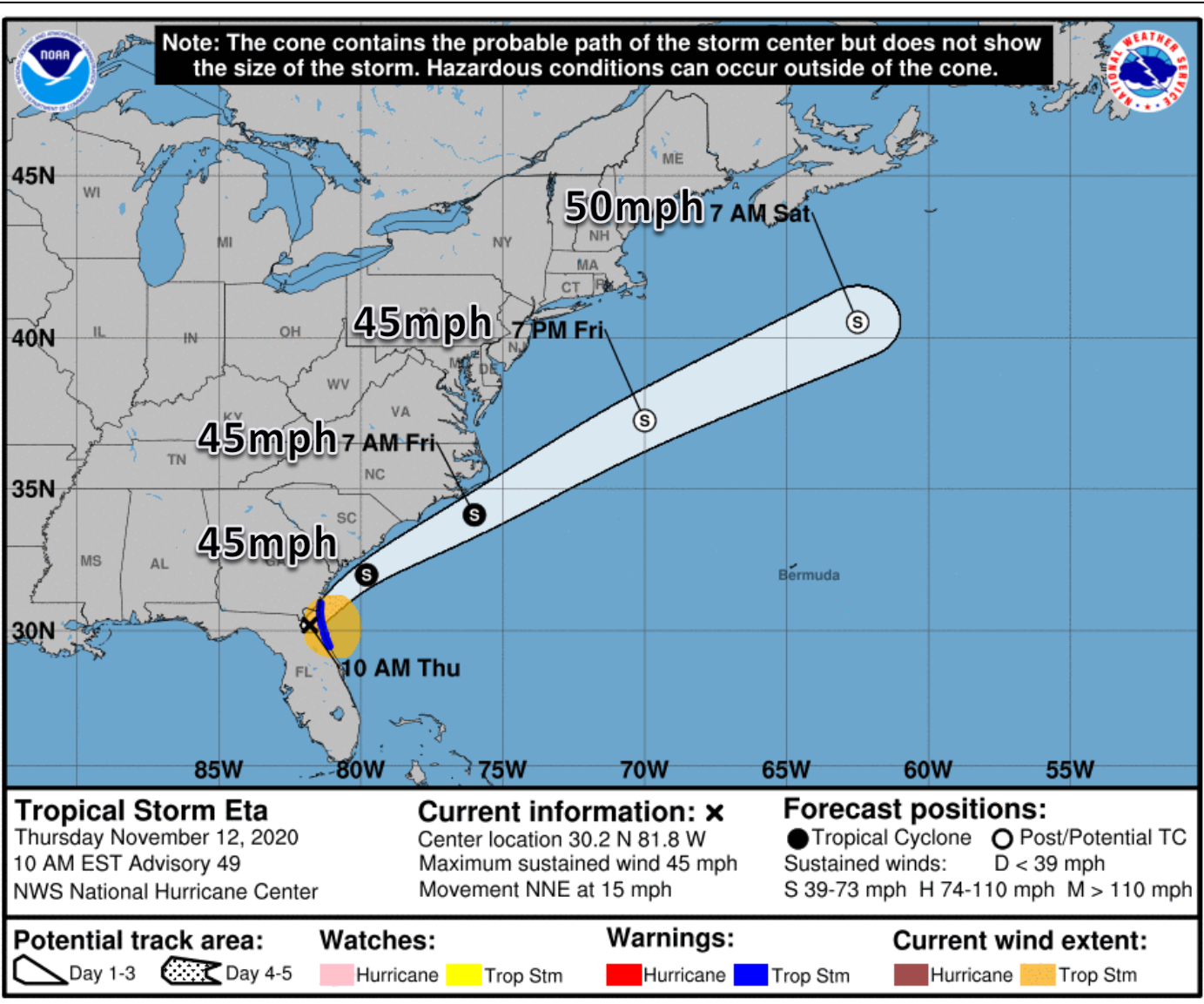
Eta is very disorganized and rapidly weakening. It lacks any robust thunderstorms.





Official Forecast Track

From the National Hurricane Center – Tropical Storm Eta



- The center of Tropical Storm Eta is located over Jacksonville, FL and moving to the north-northeast at 15 mph.
- Maximum sustained winds are near 45 mph.
- Eta should exit Northeast Florida into the Atlantic early this afternoon.

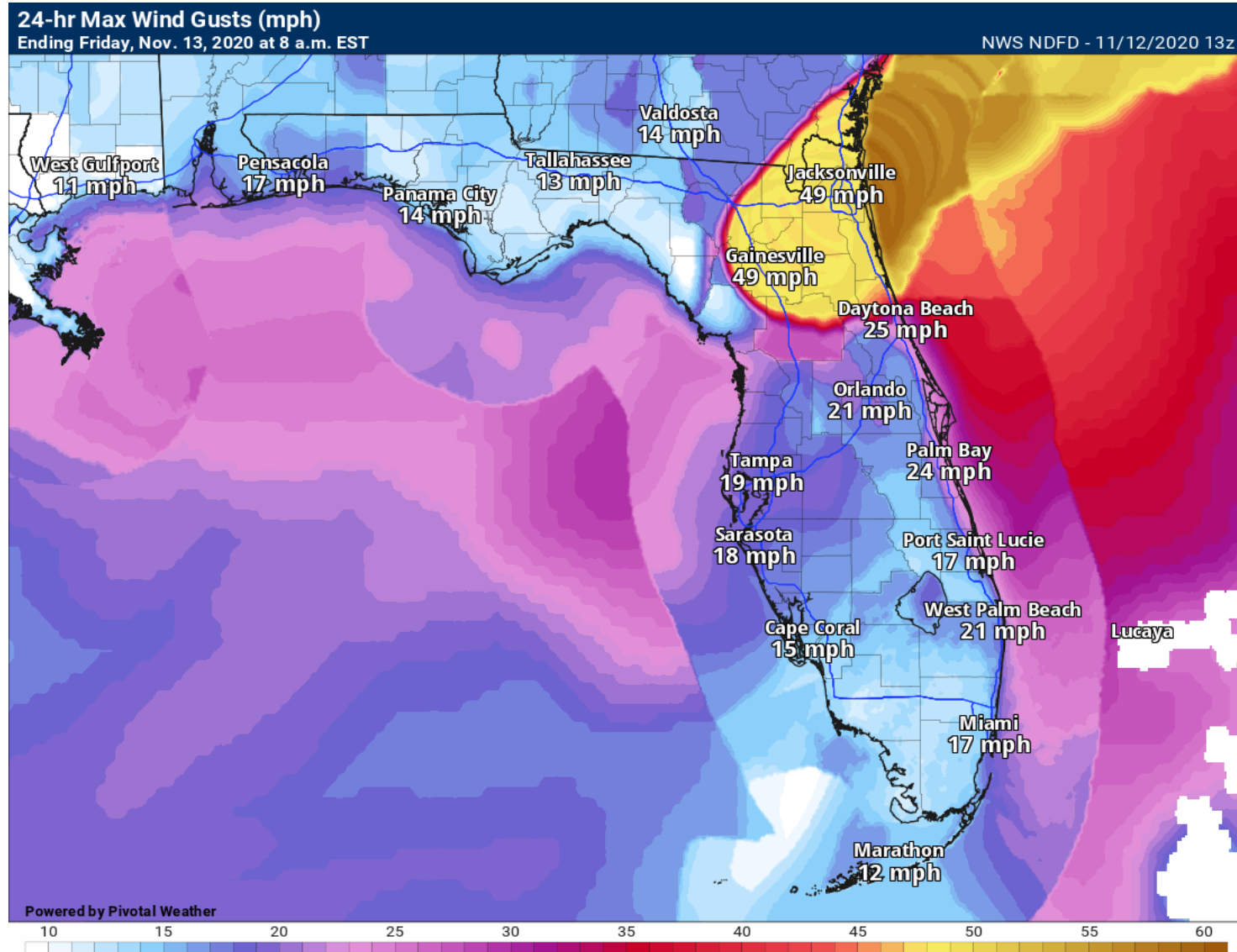


Maximum Wind Gusts

Next 24 Hours

Gusts of 40-50 mph in Northeast Florida through early this afternoon.

Wind gusts of 25-35 mph will remain possible across the rest of the Peninsula in any rain showers or thunderstorms.



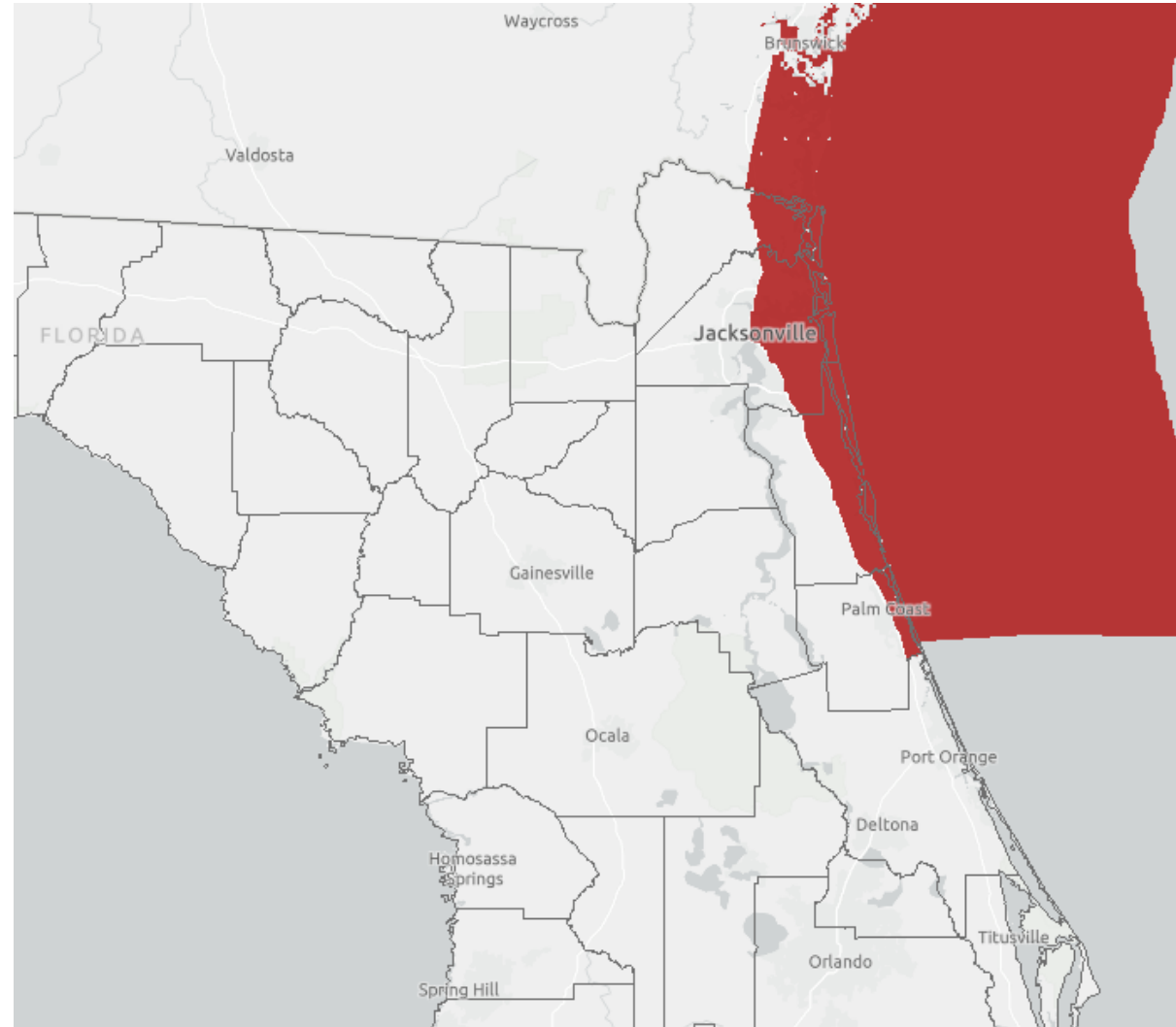


Wind Watches and Warnings

In Effect Until Further Notice

Tropical Storm Warnings:

Coastal Nassau, coastal Duval, coastal St. Johns, and coastal Flagler

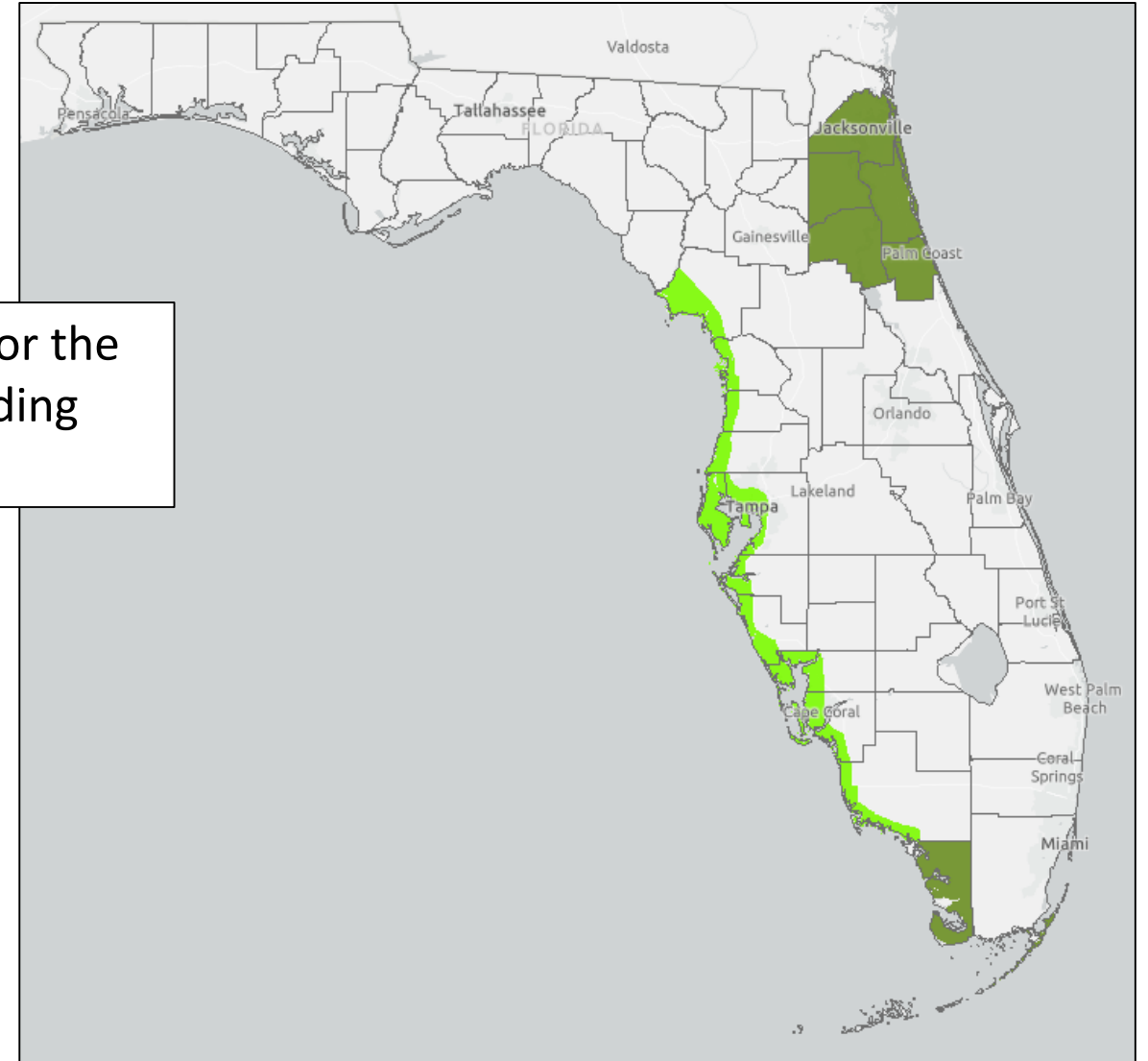




Coastal Flood/Storm Surge Alerts

Tropical Storm Eta

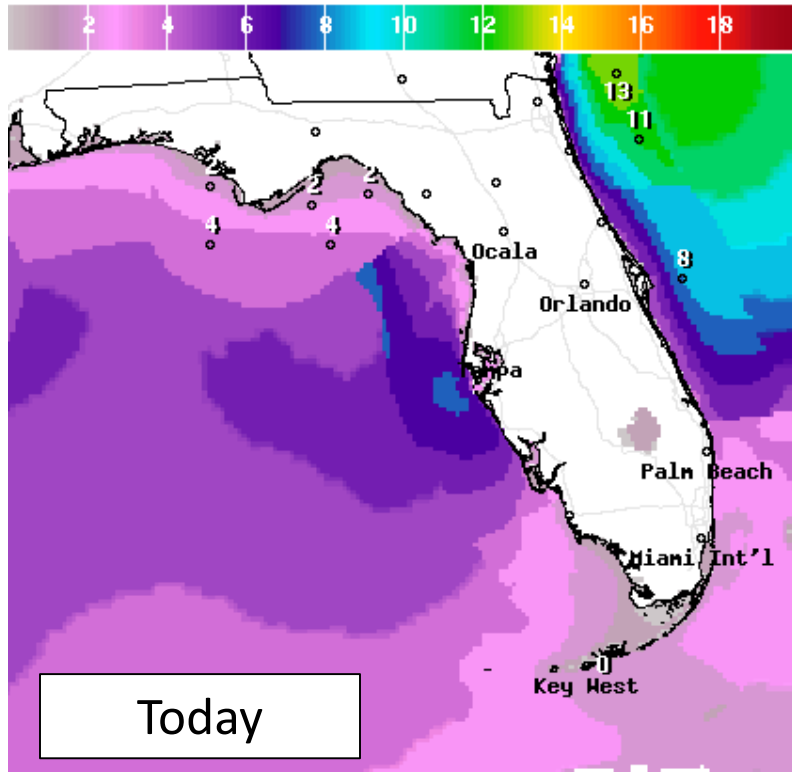
Coastal Flood Advisories & Statements remain in effect for the West Coast, the Florida Keys, and Northeast Florida including the St. Johns River. Tides are around 1-2' above normal.





Forecast Wave Heights

Through Late Week

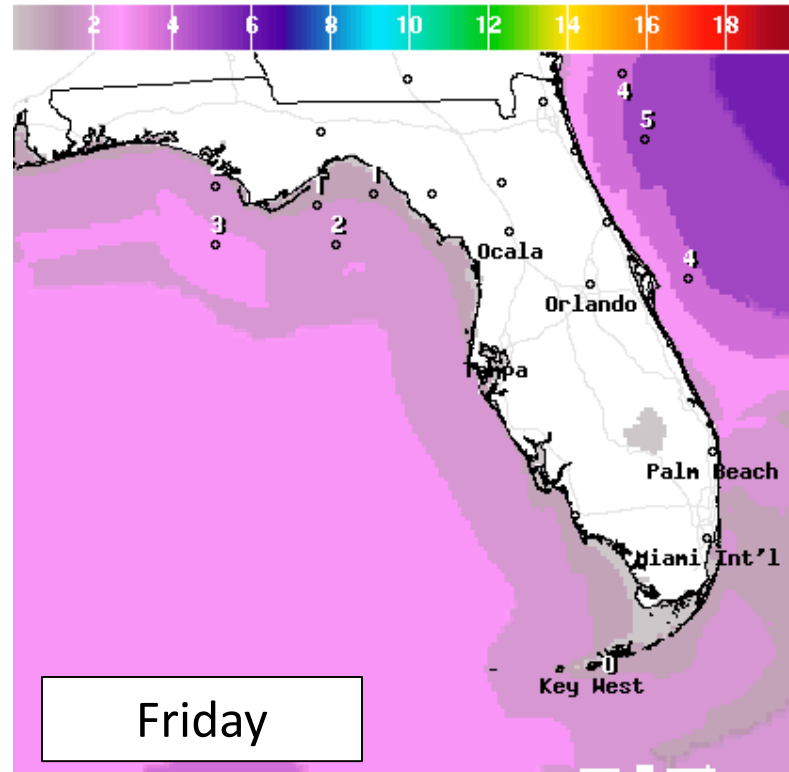


Wave Height(ft) Ending Thu Nov 12 2020 1PM EST
(Thu Nov 12 2020 18Z)



National Digital Forecast Database

09z issuance Graphic created-Nov 12 4:18AM EST

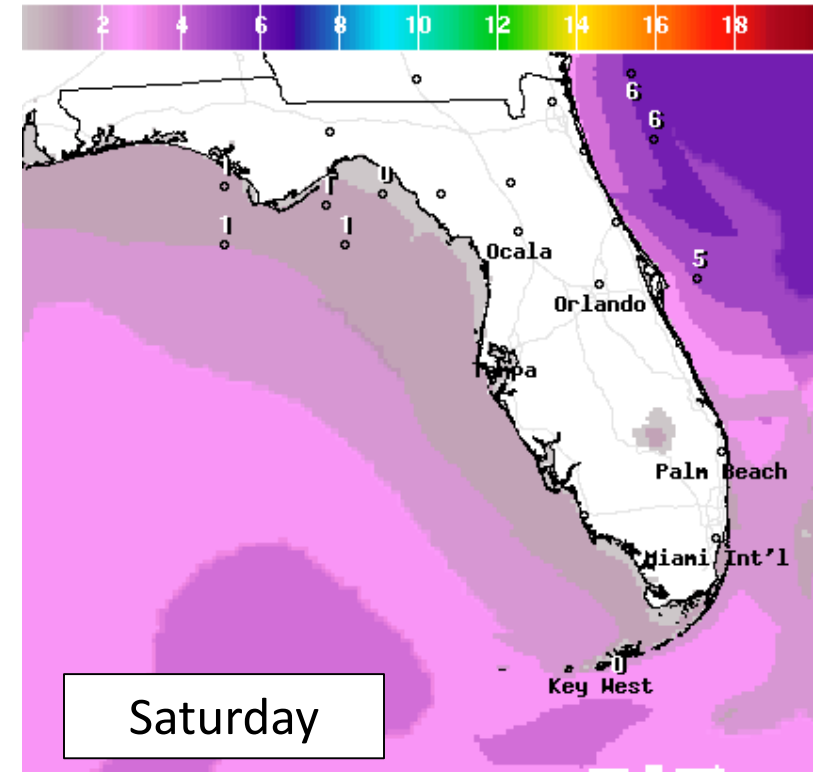


Wave Height(ft) Ending Fri Nov 13 2020 7PM EST
(Sat Nov 14 2020 00Z)



National Digital Forecast Database

09z issuance Graphic created-Nov 12 4:19AM EST



Wave Height(ft) Ending Sat Nov 14 2020 7PM EST
(Sun Nov 15 2020 00Z)



National Digital Forecast Database

09z issuance Graphic created-Nov 12 4:20AM EST



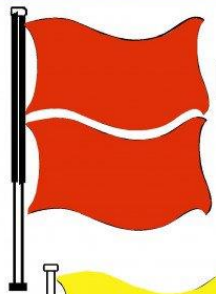
Surf will gradually decrease today in the Gulf, but will build in the Atlantic. By tomorrow afternoon, wave heights will be 2-4' statewide.



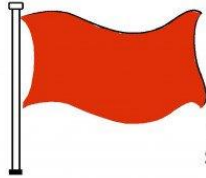
Rip Current Outlook

Today

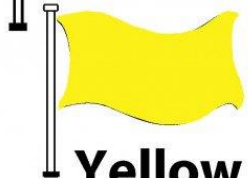
BEACH FLAG WARNING SYSTEM



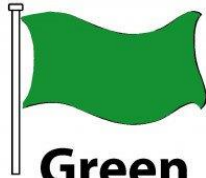
Double Red
Water Closed to
Public Use



Red
High Hazard
(rough conditions,
such as strong surf
and or currents)



Yellow
Medium Hazard
(light surf and or
currents)



Green
Low Hazard
(calm conditions)



Purple
Marine Pest
(jellyfish, stingrays
& dangerous fish)

Dangerous rip currents continue due to breezy winds and rough surf statewide.

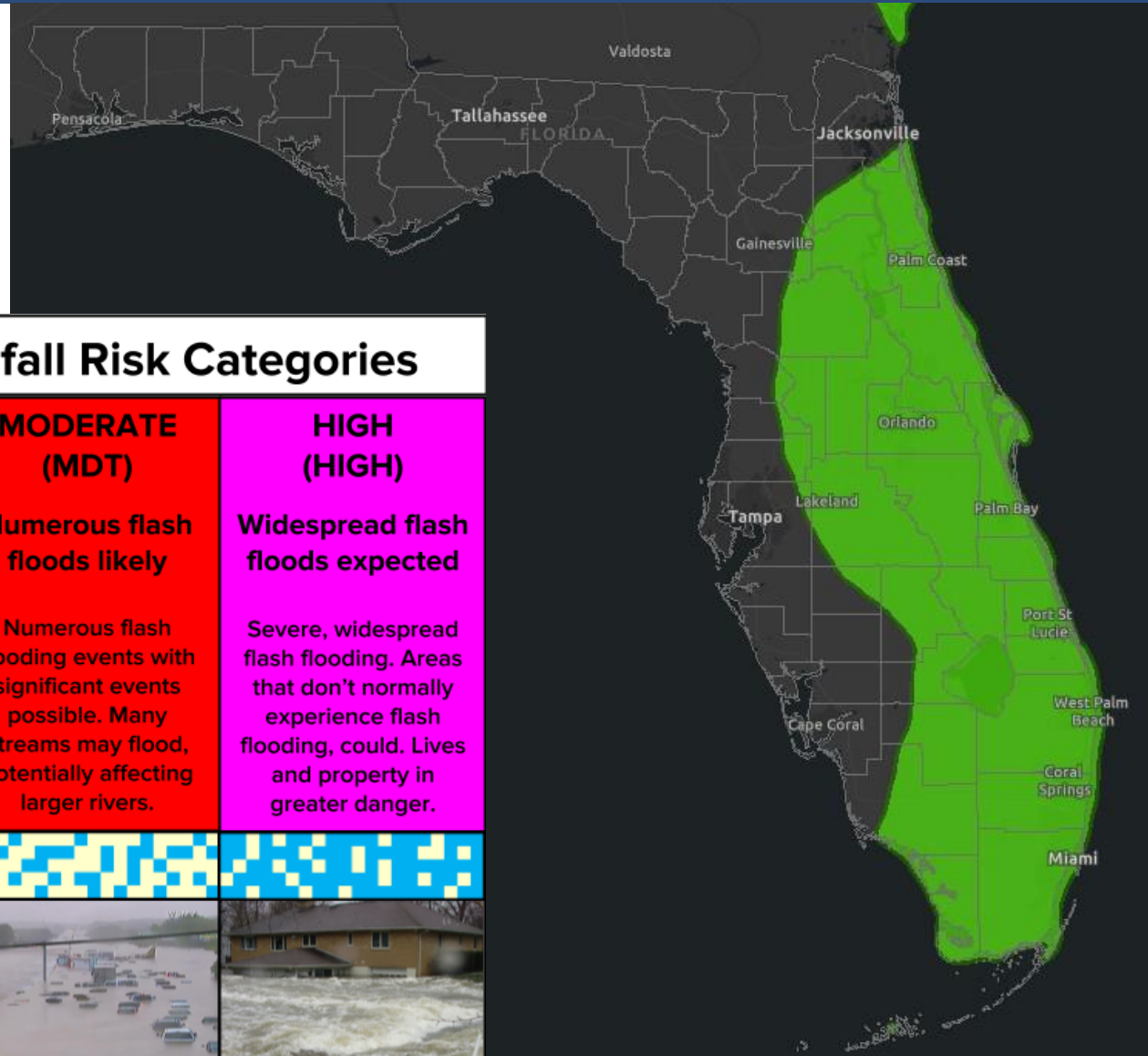









Flash Flood Outlook

Today

Isolated flash flooding remains possible over much of the Peninsula today as trailing rain bands continue to move across the state.



Understanding WPC Excessive Rainfall Risk Categories

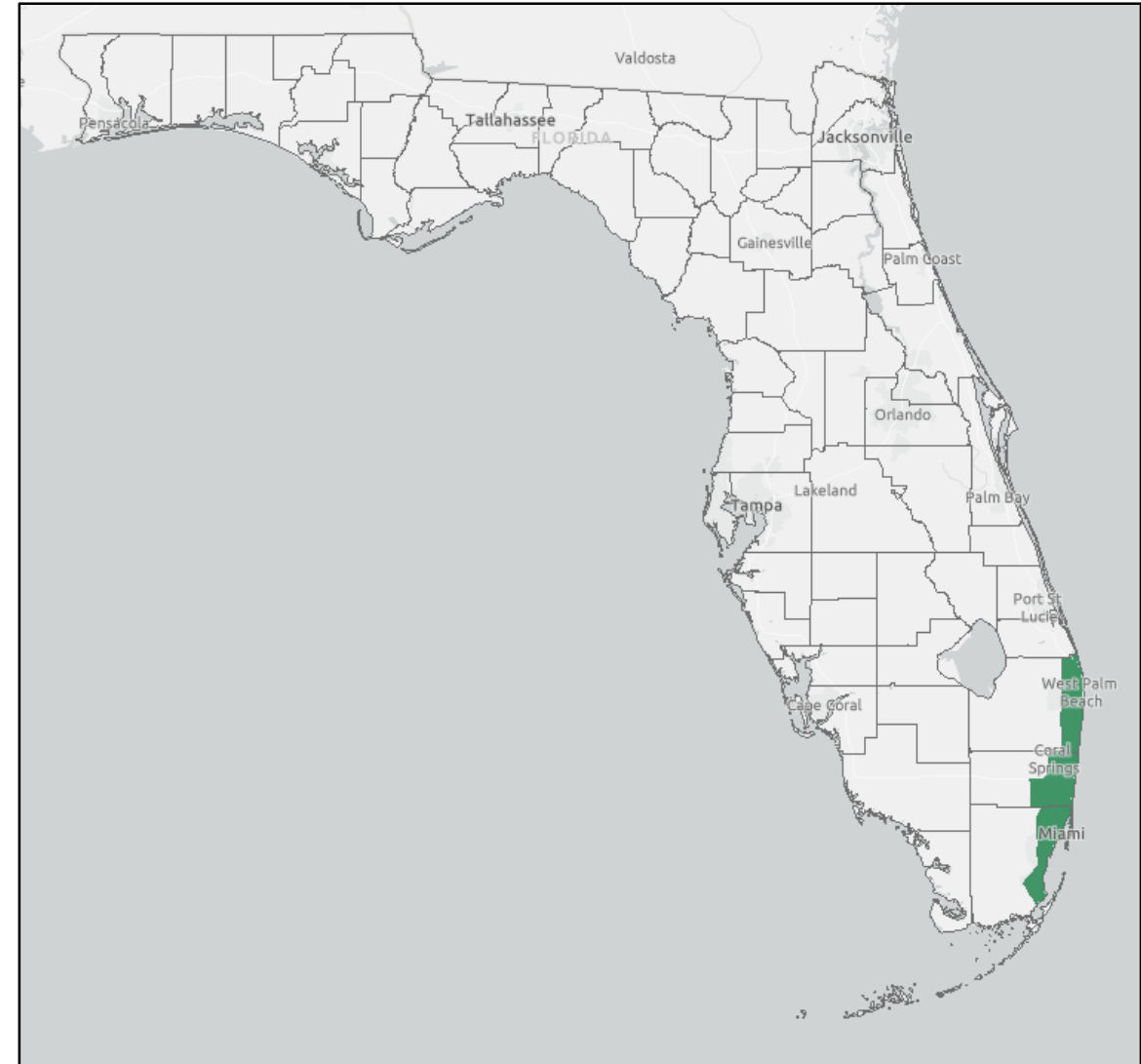
No Area/Label	MARGINAL (MRGL)	SLIGHT (SLGT)	MODERATE (MDT)	HIGH (HIGH)
Flash floods are generally not expected.	Isolated flash floods possible	Scattered flash floods possible	Numerous flash floods likely	Widespread flash floods expected
Localized and primarily affecting places that can experience rapid 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.ncep.noaa.gov @NWSWPC				
Flash flooding near me?	Flash Flooding			
	NO Flash Flooding			
 WEATHER PREDICTION CENTER				



Flood Watches

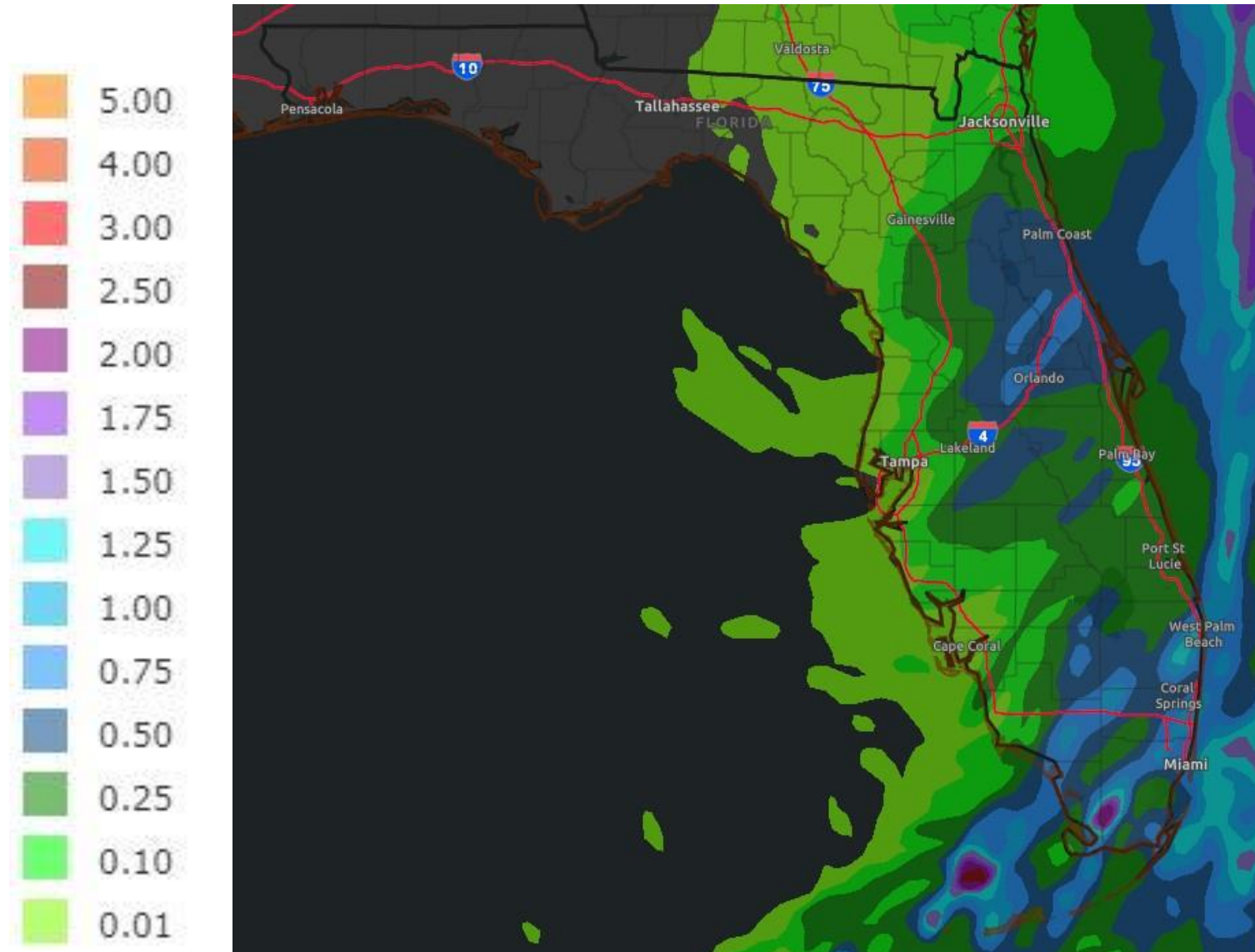
Links: [NWS Miami](#)

Flood Watch until this evening:
coastal Palm Beach, coastal Broward,
coastal Miami-Dade





Rainfall Totals Next 24 Hours



Generally, 1-2" today.
Locally higher amounts of 3-4".

In urban Southeast Florida and West-Central Florida, even 1-2" could trigger additional urban/flash flooding.



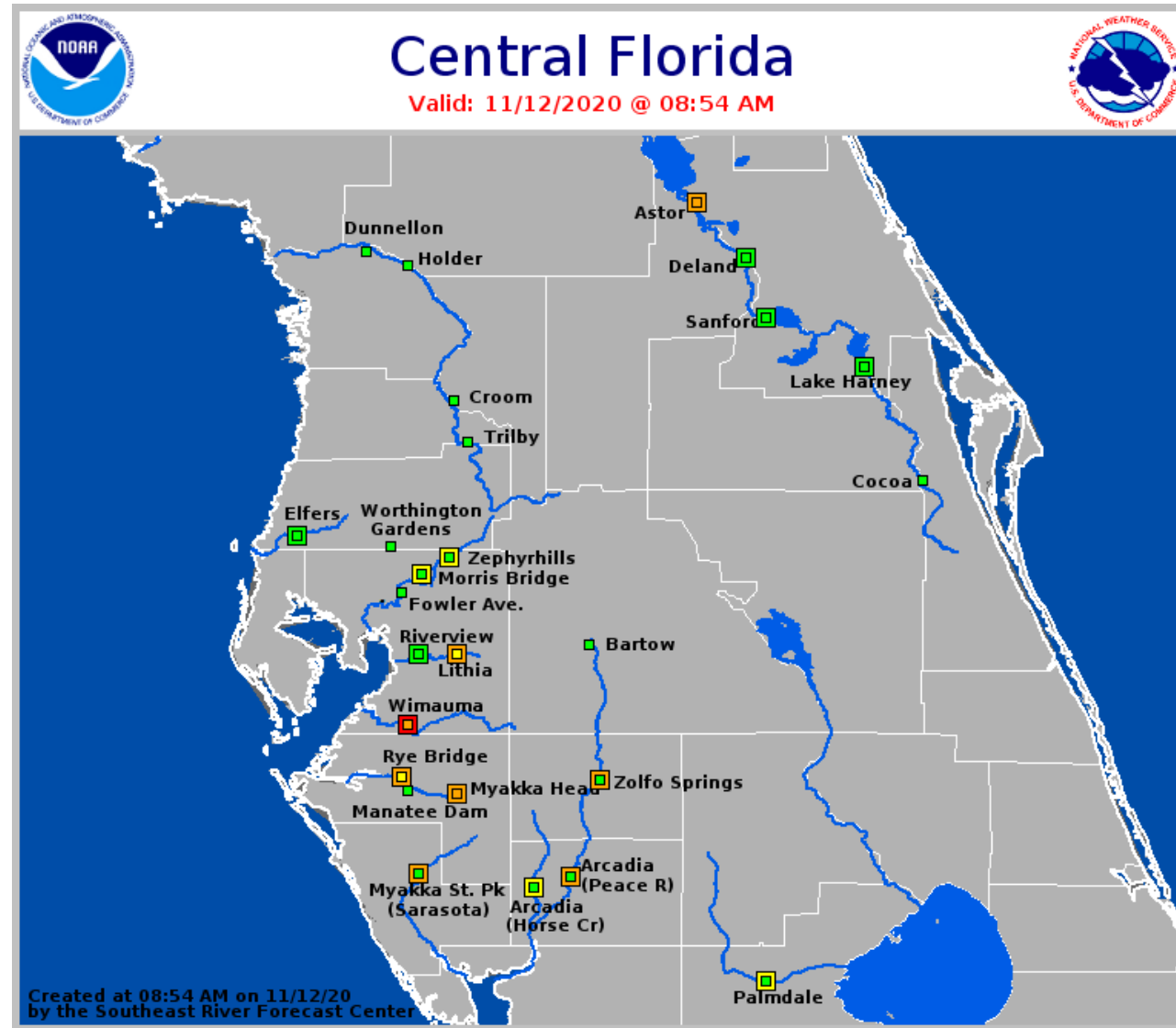
Current & Forecast River Flooding

Central Florida – Southeast River Forecast Center

Rivers Currently in or Forecast to Reach Flood Stage:

River	Forecast Stage	Tendency
St. Johns River at Astor	Minor	Steady
Alafia River at Lithia	Minor	Rising
Little Manatee River at Wimauma	Moderate	Rising
Manatee River near Myakka Head	Minor	Rising
Manatee River near Rye Bridge	Minor	Rising
Myakka River at Myakka River State Park	Minor	Rising
Peace River at Zolfo Springs	Minor	Rising
Peace River at Arcadia	Minor	Rising

More details on river levels available at the [Southeast River Forecast Center website.](#)



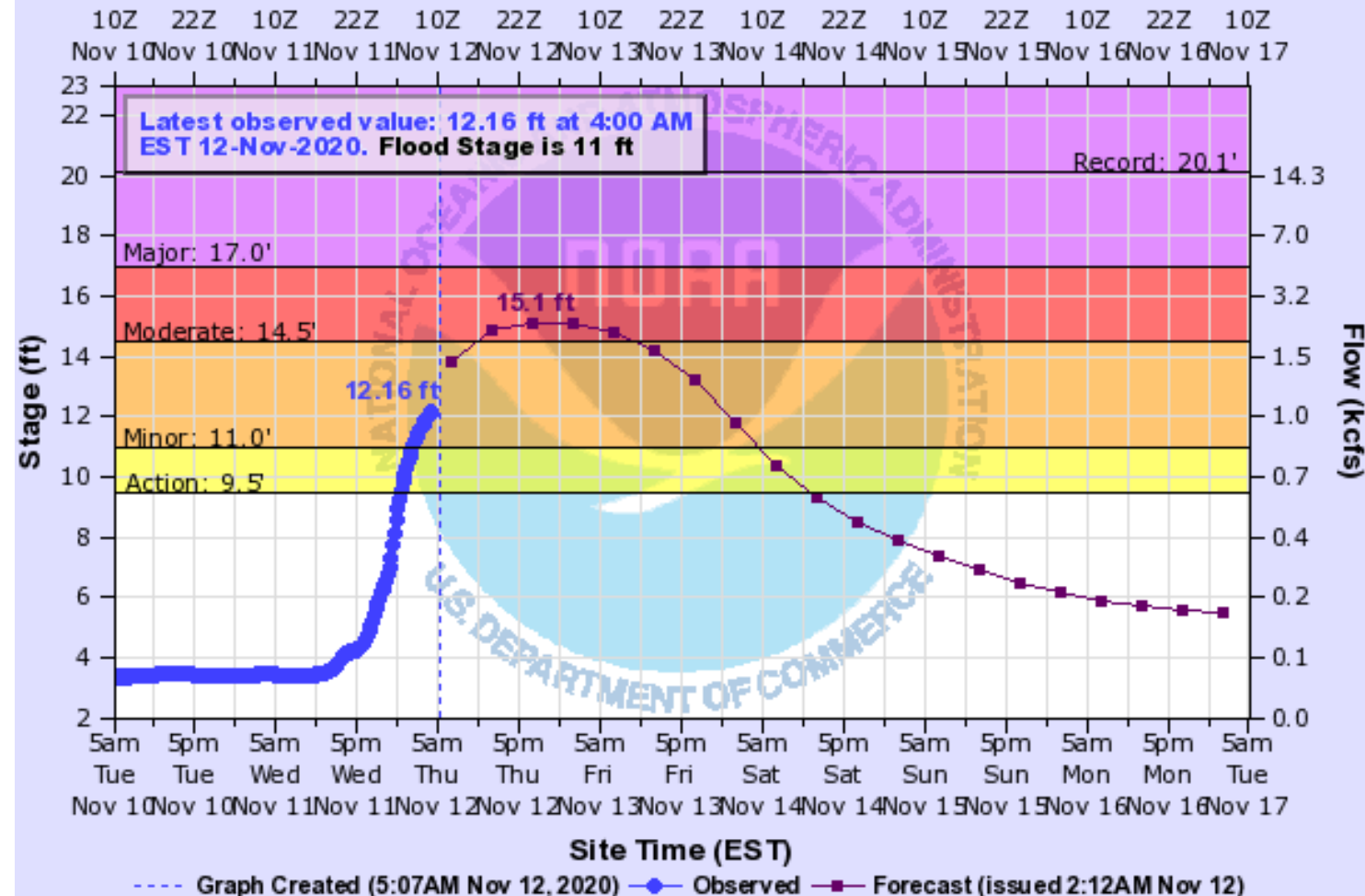


Little Manatee River near Wimauma

[Hydrograph Link](#)

LITTLE MANATEE RIVER (FL) NEAR WIMAUMA AT US 301

Universal Time (UTC)



14.5 feet: Flooding of several houses begins near 32nd and 33rd Streets in Ruskin.

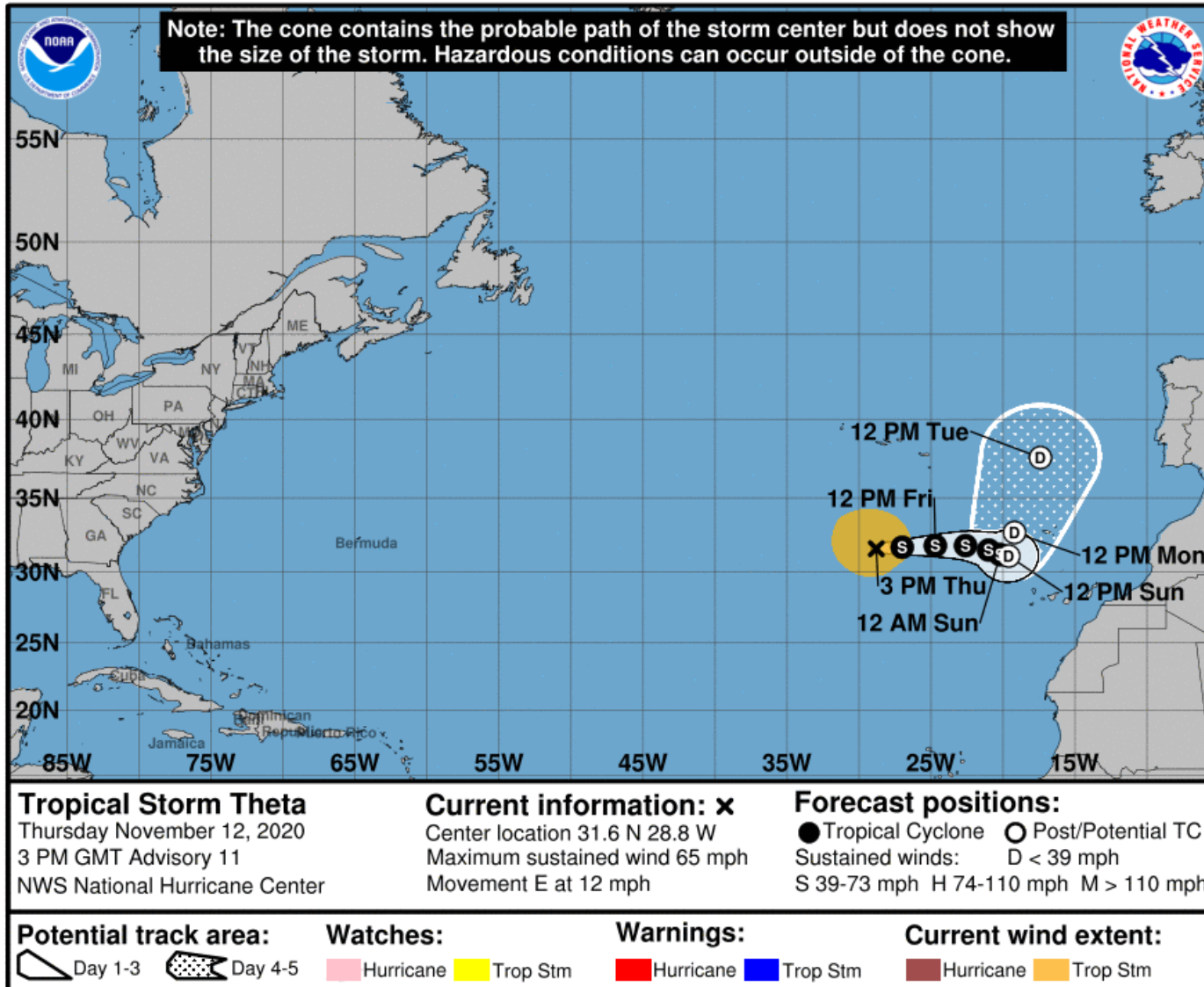
13 feet: The canoe rental area floods.

11 feet: The river overflows its banks.



Official Forecast Track

From the National Hurricane Center – Tropical Storm Theta



Theta is maintaining intensity in the far northeastern Atlantic. This system poses no threat to land as it continues eastward.



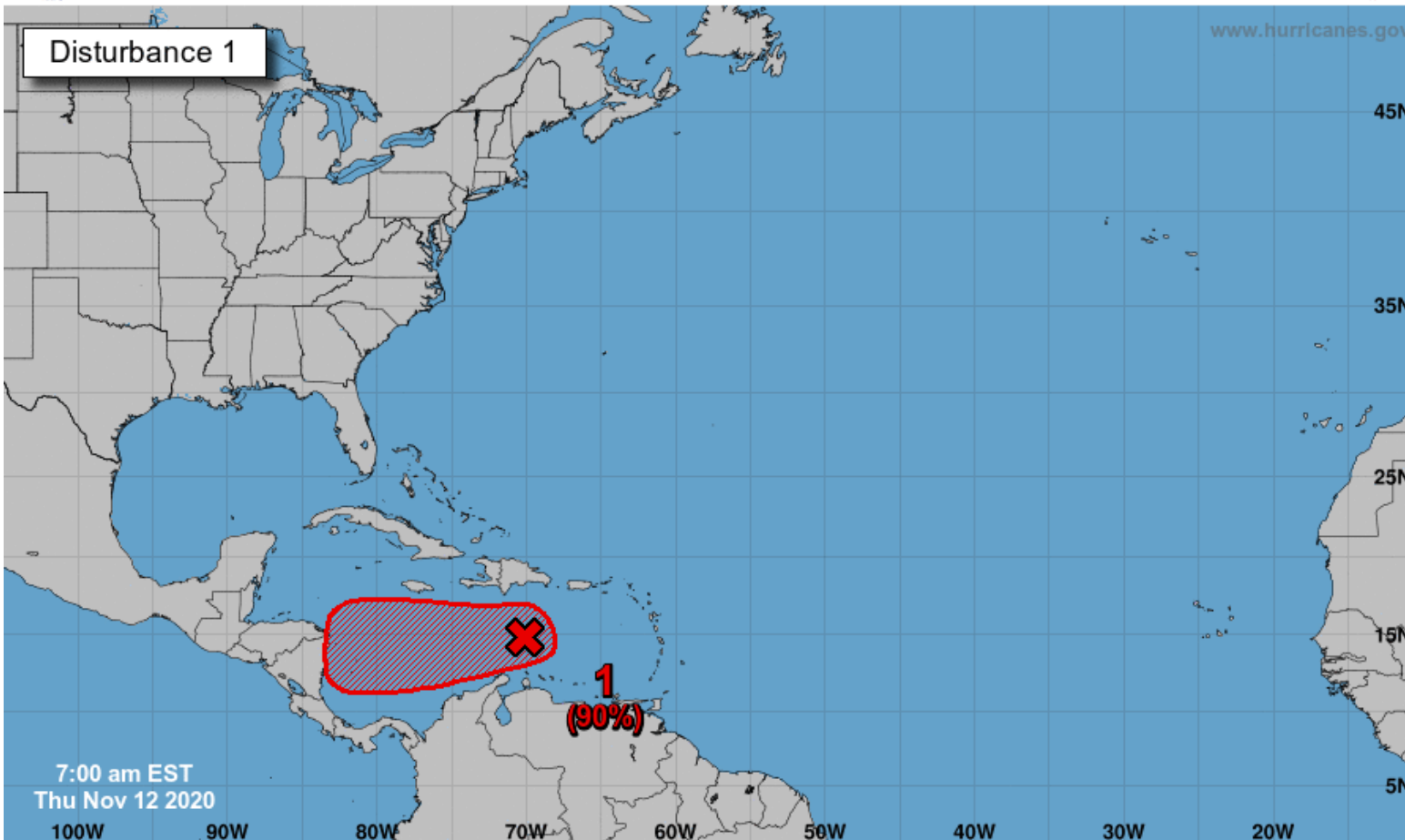
Tropical Weather Outlook

Possible Areas of Development During the Next 5 Days ([LINK](#))



Five-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



A tropical wave located over the central Caribbean Sea continues to produce a large area of showers and thunderstorms.

Satellite imagery indicates that the disturbance is gradually becoming better organized, and a tropical depression will likely form within the next couple of days as it moves slowly westward over the central and western Caribbean Sea.

This system is not expected to bring impacts to Florida over the next 7 days, if at all. However, it should continue to be monitored.

***Formation chance through 48 hrs...high...80%.**

***Formation chance through 5 days...high...90%.**

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



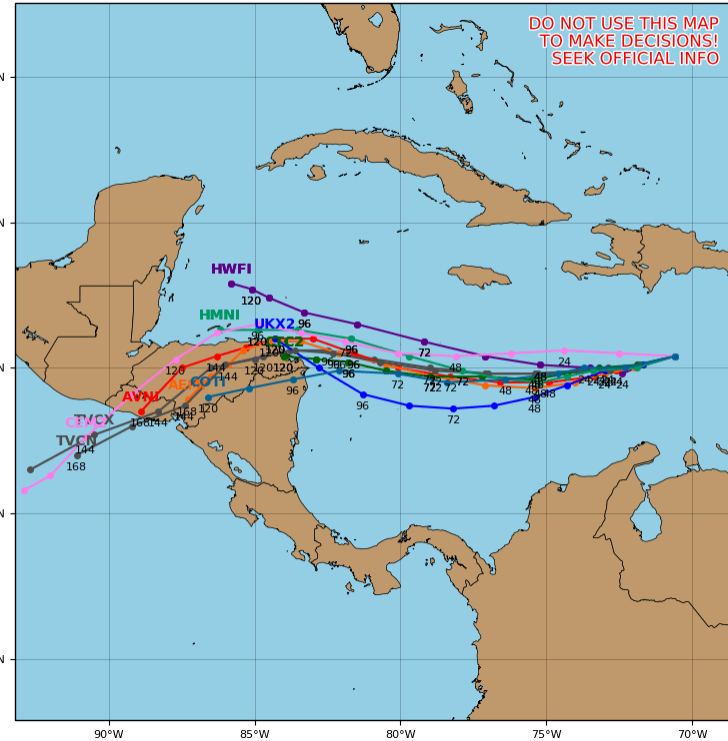
Model Forecast Tracks

Ensembles, Dynamical, and Statistical Models

Invest 98L Model Track Guidance

Initialized at 12z Nov 12 2020

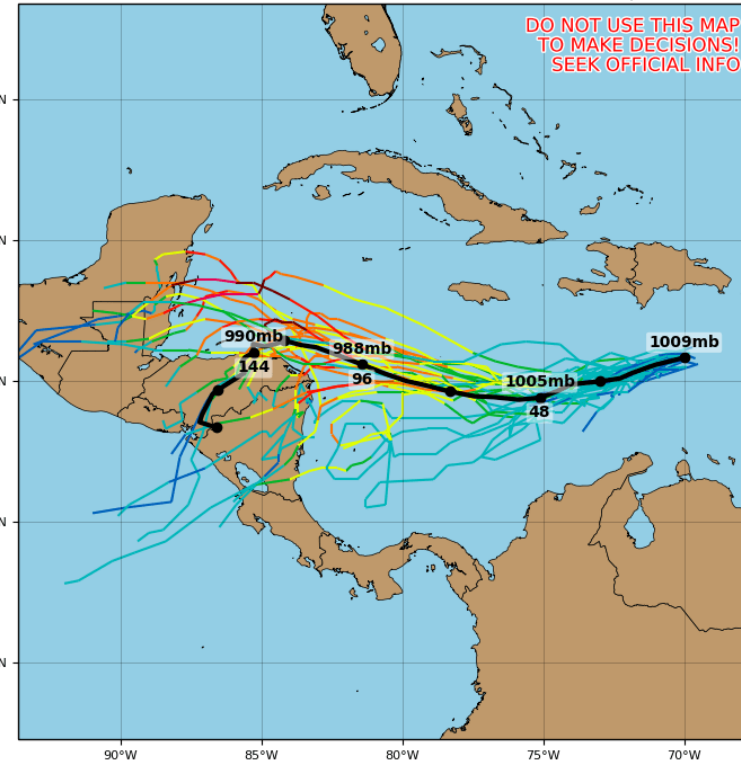
Levi Cowan - tropicaltidbits.com



Invest 98L GEFS Tracks & Min. MSLP (mb)

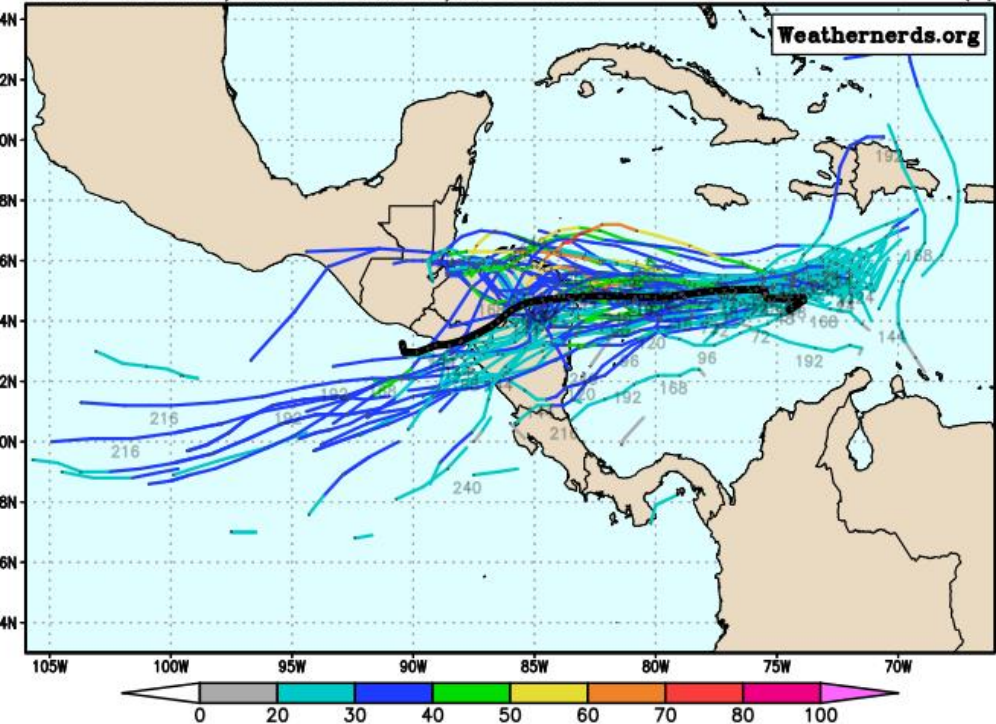
Initialized at 06z Nov 12 2020

Levi Cowan - tropicaltidbits.com



ECMWF Ensemble, init: 2020111200, AL98 Invest

color = max wind (kt)



Models are in fairly good agreement with the track of 98L. The system will generally move westward across the central and western Caribbean and be near Central America in 4-5 days. In general, a stronger storm will be on the north end of the guidance, but a weaker storms will be on the southern side of guidance.



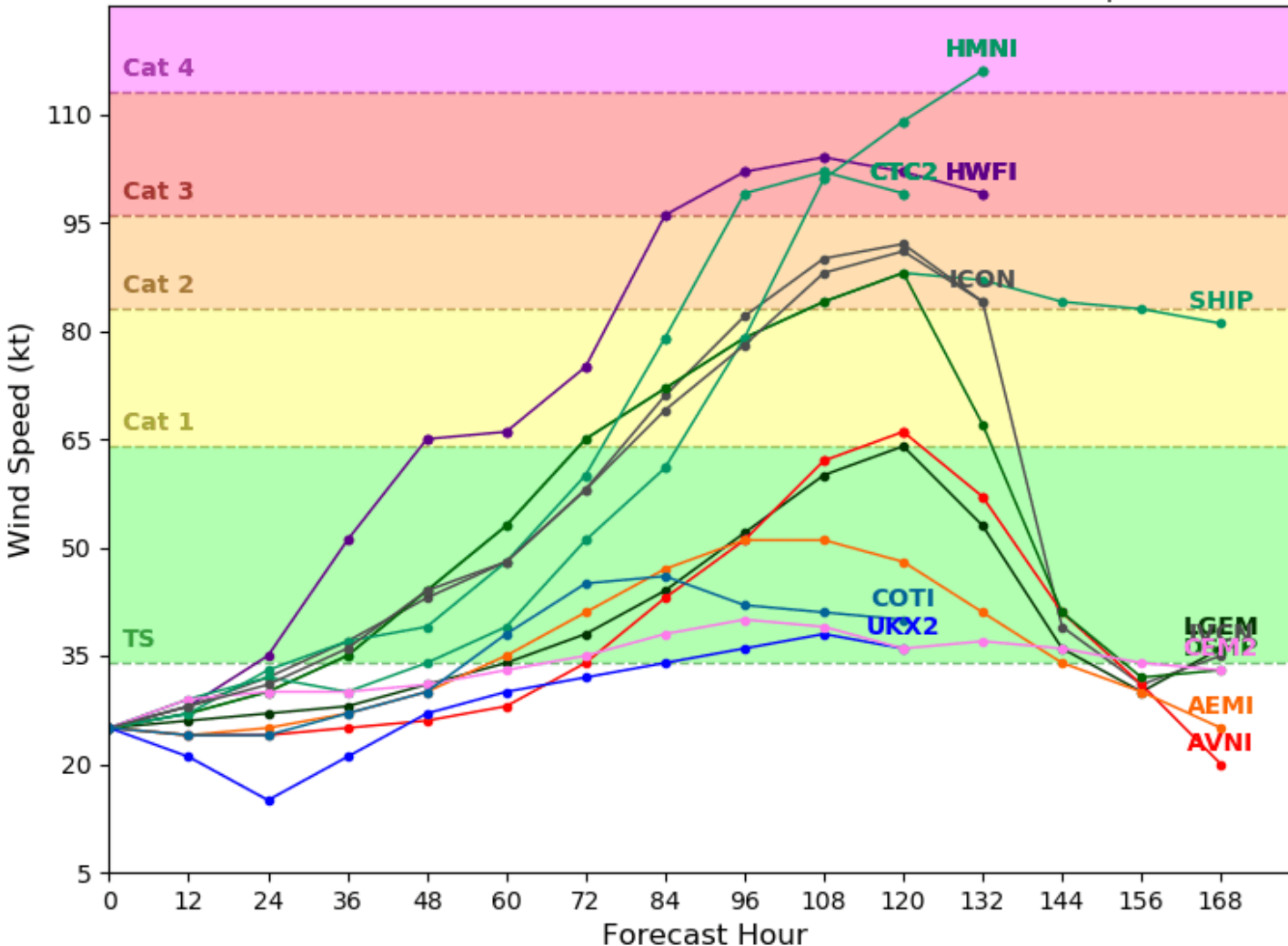
Model Forecast Intensity

Dynamical and Statistical Models

Invest 98L Model Intensity Guidance

Initialized at 12z Nov 12 2020

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Models do have high variation in future intensity even though they generally agree on track.

While these models should not be taken verbatim, the trend is for a likely hurricane in the Caribbean this weekend into early next week. A major hurricane cannot be ruled out.



Overall Summary

Tropical Storm Eta

- Eta is over Jacksonville, but most of the rain bands and gusty winds are now offshore.
- Maximum sustained winds are near 45 mph, and Eta is quickly weakening.
- Eta should exit Northeast Florida into the Atlantic early this afternoon as a minimal tropical storm.

Tropical Storm Theta

- Theta poses no threat to land as it moves over the open Atlantic.

Invest 98L - Caribbean Wave

- A tropical wave located over the central Caribbean Sea continues to produce a large area of showers and thunderstorms.
- Satellite imagery indicates that the disturbance is gradually becoming better organized, and a tropical depression will likely form during the next couple days as it moves slowly westward over the central and western Caribbean Sea.
- This system has a 80% (high) chance of formation during the next 48 hours and a 90% (high) chance during the next 5 days.
- This system is not expected to bring impacts to Florida over the next 7 days, if at all. However, it should still be monitored.
- The next name on the list is Iota (eye-o-tah).



Florida Outlook

Florida Outlook:

- **Coastal Flood Advisories/Statements:** Levy, Citrus, Hernando, Pasco, Pinellas, Hillsborough, Manatee, Sarasota, Charlotte, Lee, Collier, Monroe (Keys and Mainland), Duval, Clay, Putnam, St. Johns, Flagler
- **Tropical Storm Warnings:** coastal Nassau, coastal Duval, coastal St. Johns, coastal Flagler
- **Flood/Flash Flood Watches:** coastal Palm Beach, coastal Broward, and coastal Miami-Dade
- **River Flood Warnings:** St. Johns at Astor, Alafia River at Lithia, Little Manatee River at Wimauma, Manatee River at Myakka Head and at Rye Bridge, Myakka River at Myakka River State Park, and the Peace River at Zolfo Springs and Arcadia.

-
- Gusts to tropical-storm-force are possible across Northeast Florida (35-50 mph).
 - Storm surge of 1-2' is still ongoing along parts of the West Coast.
 - The tornado threat is minimal today and there is no severe weather outlook.
 - Locally heavy rainfall will continue in some trailing rain bands near Tampa Bay and Southeast Florida.
 - Additional rainfall totals of 1" are forecast, with localized values of 2-3" that could result in additional flash flooding.
 - Several rivers in West-Central Florida will rise into minor or moderate flood stage over the next couple to several days.
 - **Impacts from Tropical Storm Eta are expected to end this afternoon.**

The next tropics packet will be issued this afternoon. For the latest information on the tropics, please visit the National Hurricane Center website at www.hurricanes.gov.



TROPICAL UPDATE



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State Meteorological Support Unit

Florida Division of Emergency Management

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