



TROPICAL UPDATE



5 PM EDT

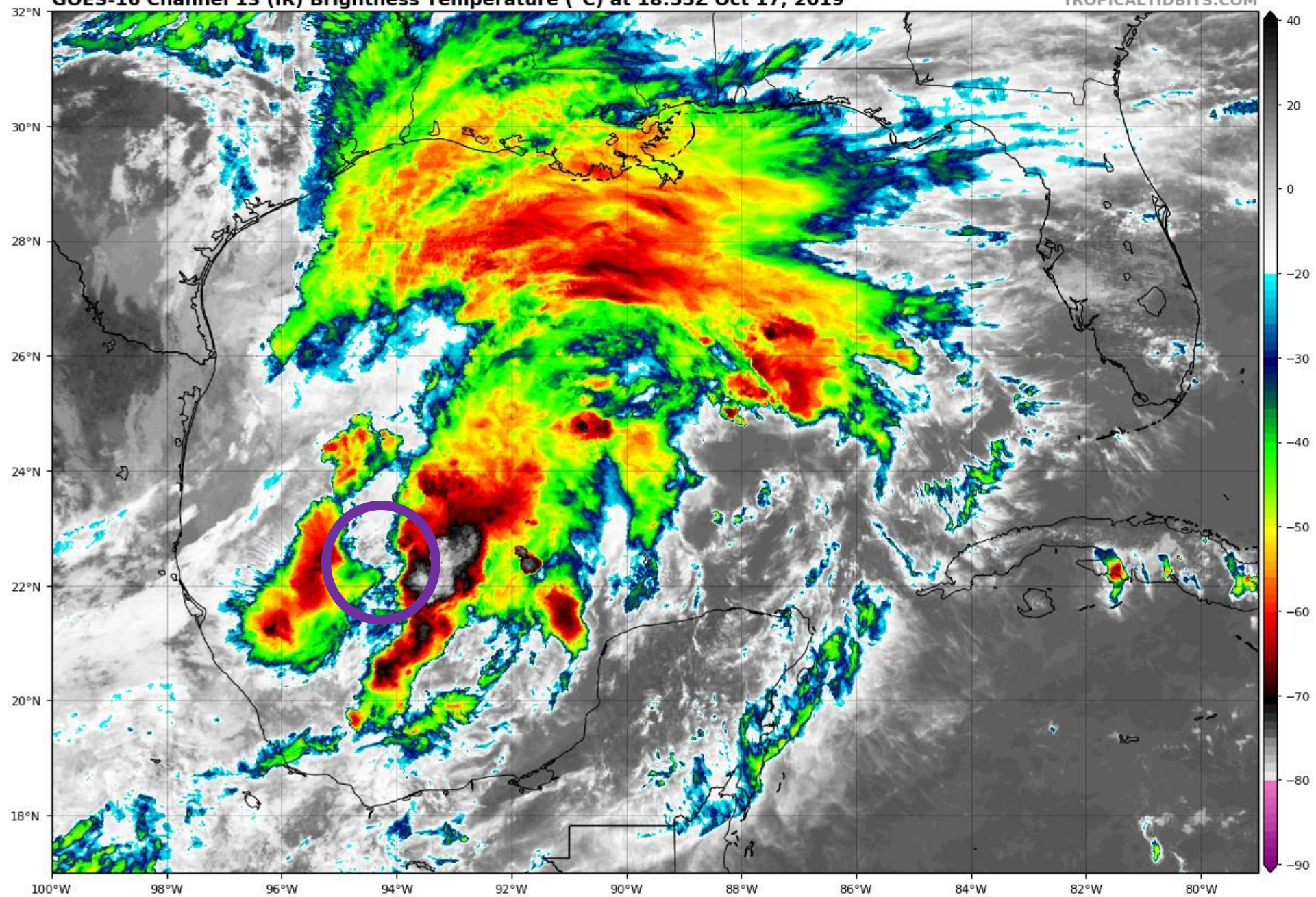
Thursday, October 17, 2019

Potential Tropical Cyclone #16

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.

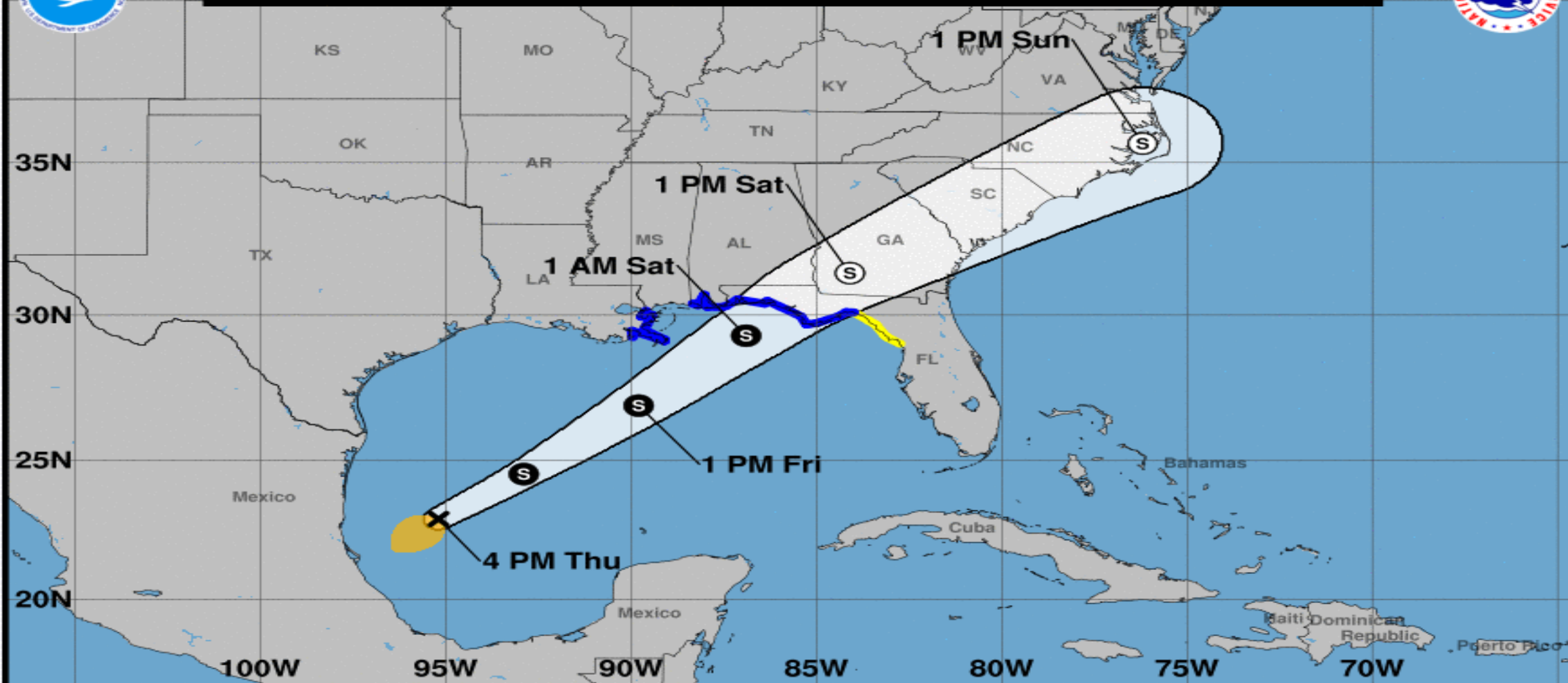
GOES-16 Channel 13 (IR) Brightness Temperature (°C) at 18:55Z Oct 17, 2019

TROPICALTIDBITS.COM





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.



Potential Tropical Cyclone Sixteen
Thursday October 17, 2019
4 PM CDT Advisory 2
NWS National Hurricane Center

Current information: x
Center location 22.9 N 95.2 W
Maximum sustained wind 40 mph
Movement NNE at 9 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

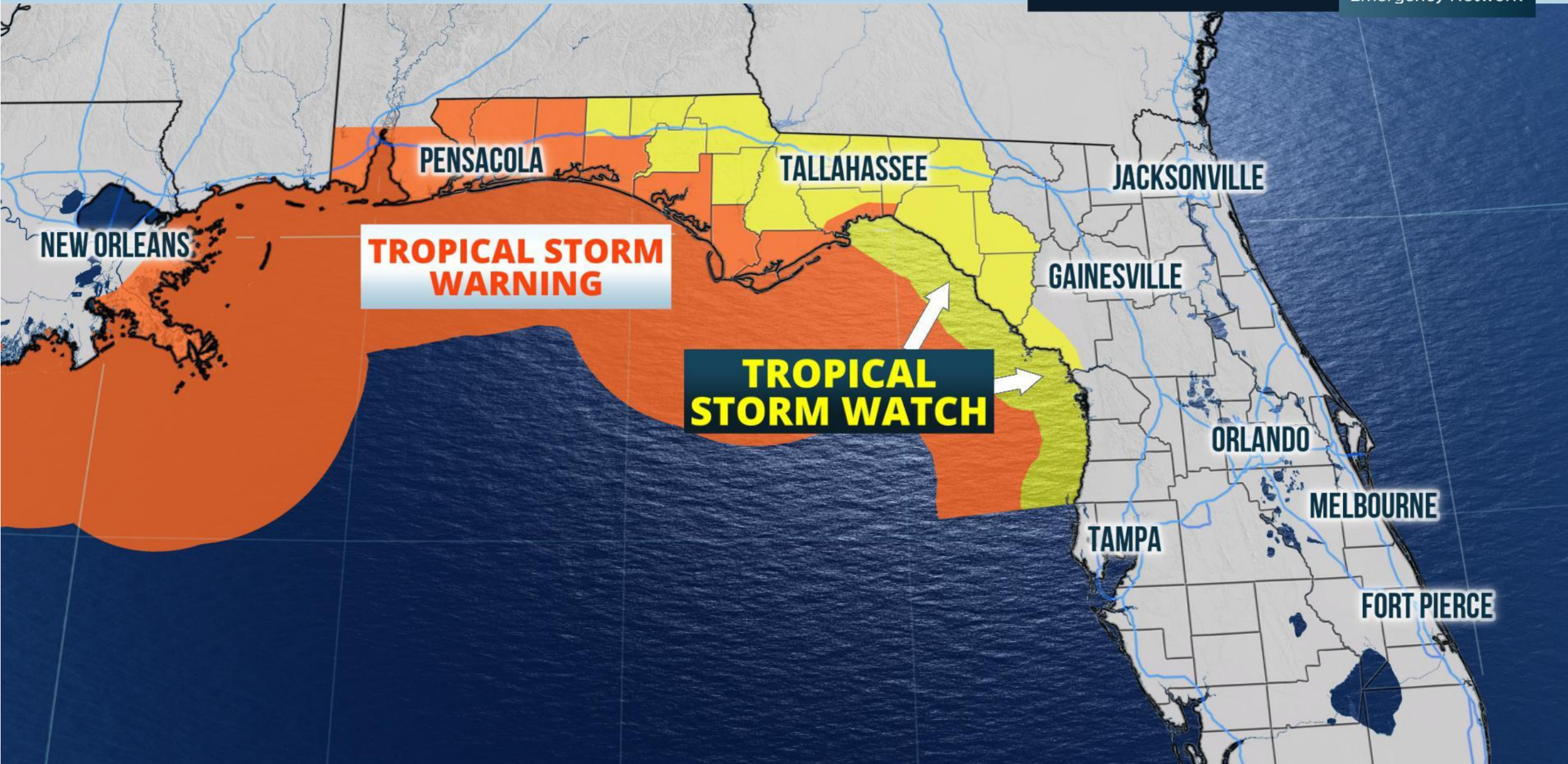
Current wind extent:

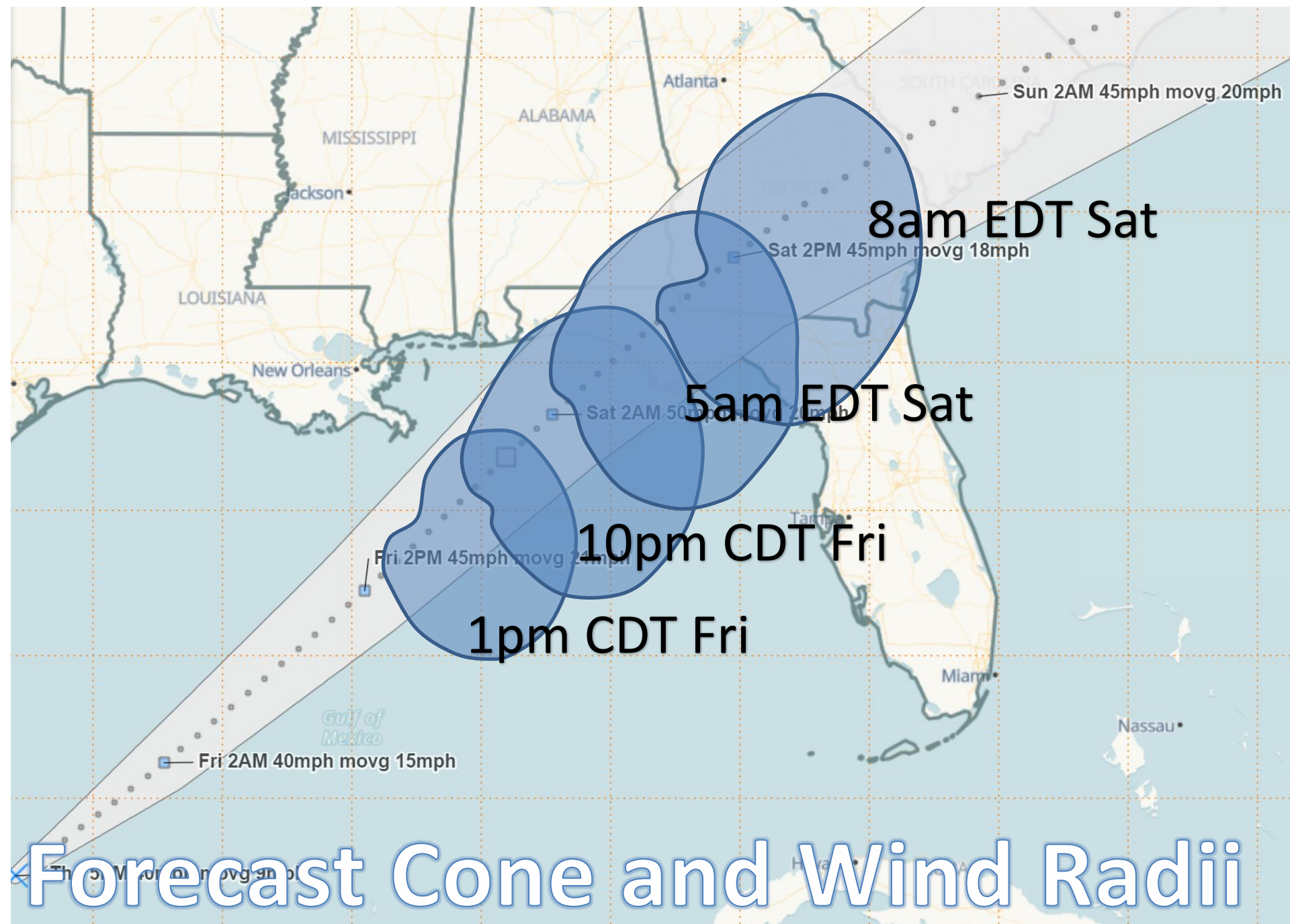
Hurricane Trop Stm

TROPICAL WIND ALERTS

 **SIXTEEN**

Florida Public Radio
FPREN
Emergency Network





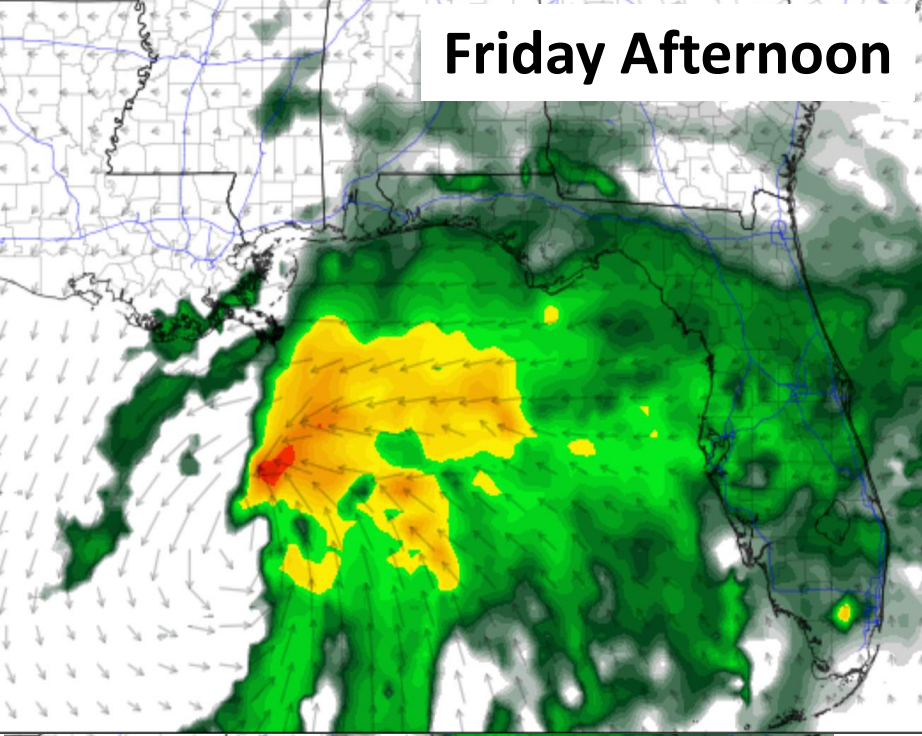
As PTC #16 is pulled northeast, the wind field will expand, especially on the eastern side.

With sub-tropical systems, the highest winds can sometimes occur well away from the center.

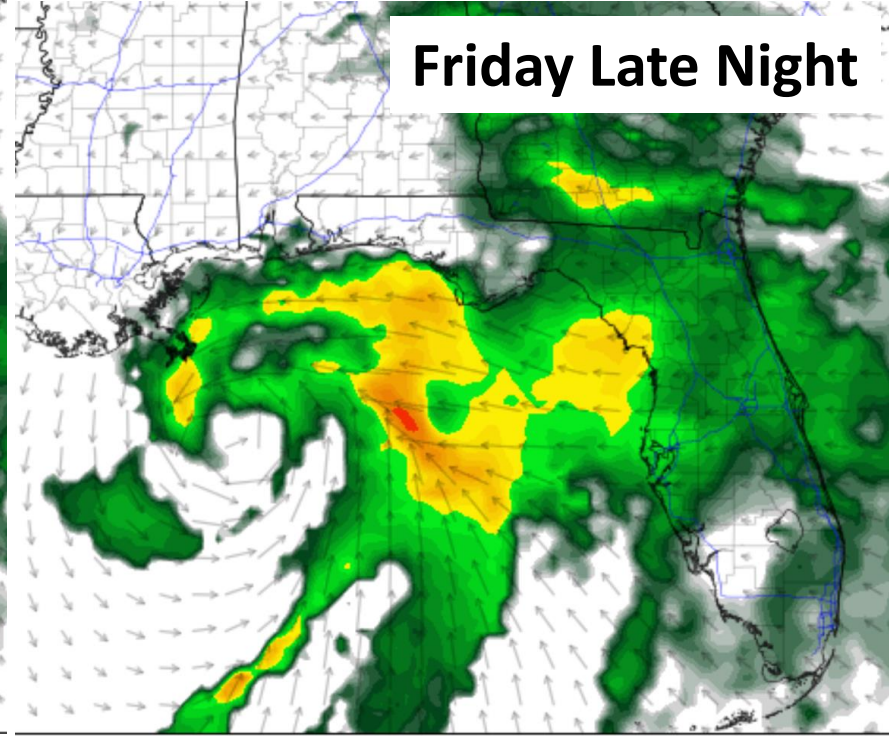
This means strong gusty winds could arrive at the coast Friday evening and spread northeastward overnight.

Winds will likely be contained in bands of thunderstorms, with some gaps in between squalls.

Friday Afternoon



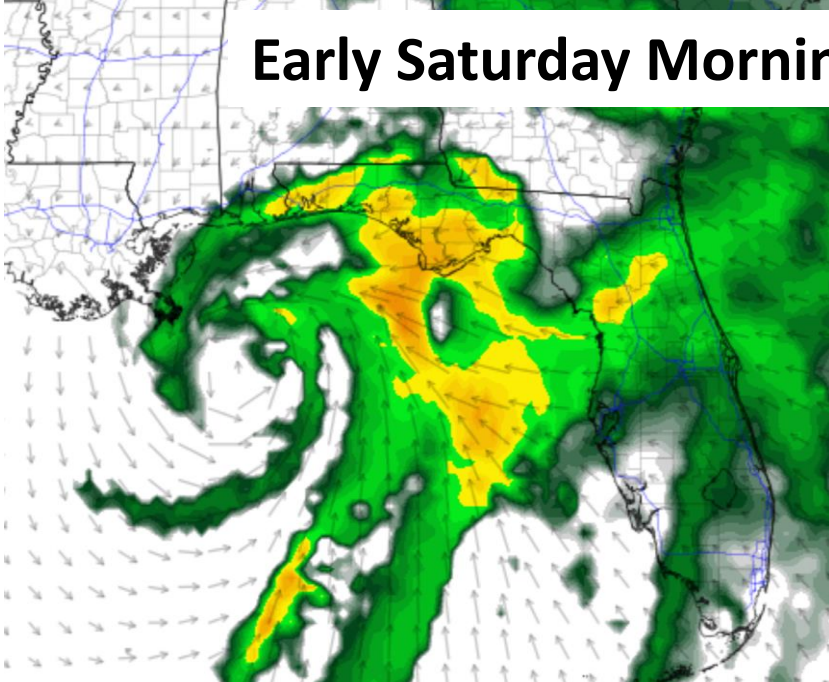
Friday Late Night



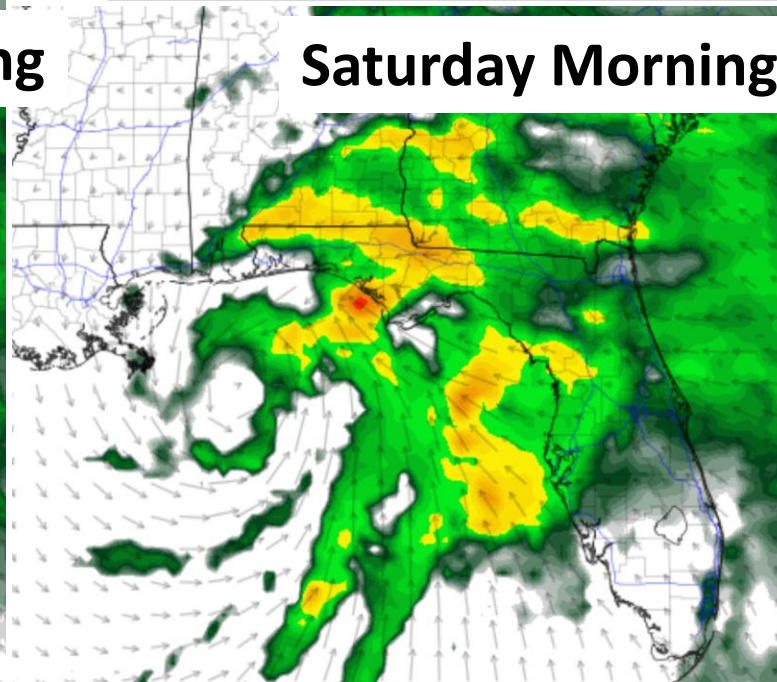
**Model Simulated Radar
Friday & Saturday**

Showers could begin as early as midday Friday along the coast. The heavier rain and gusty winds (in and near the yellow areas) will overspread Northwest Florida overnight through Saturday before gradually clearing later Saturday afternoon/evening.

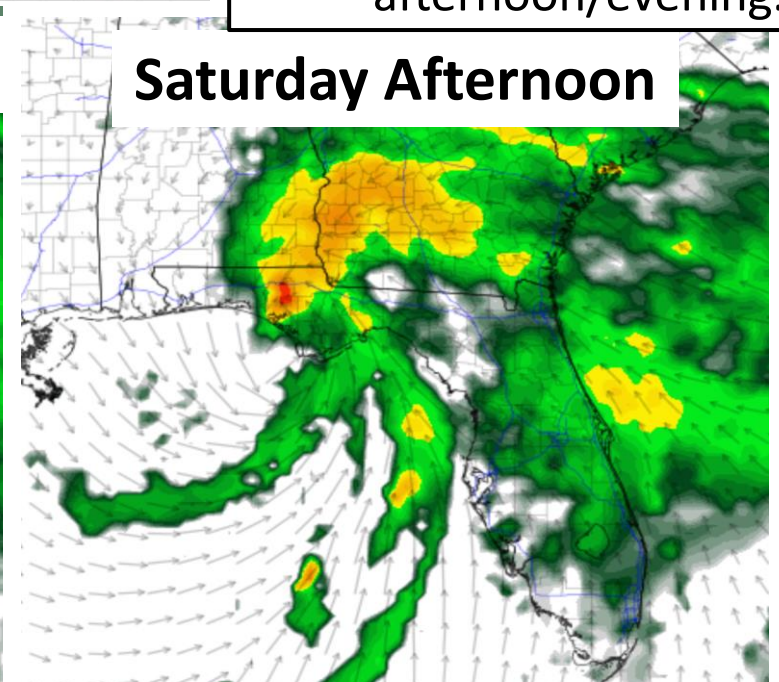
Early Saturday Morning



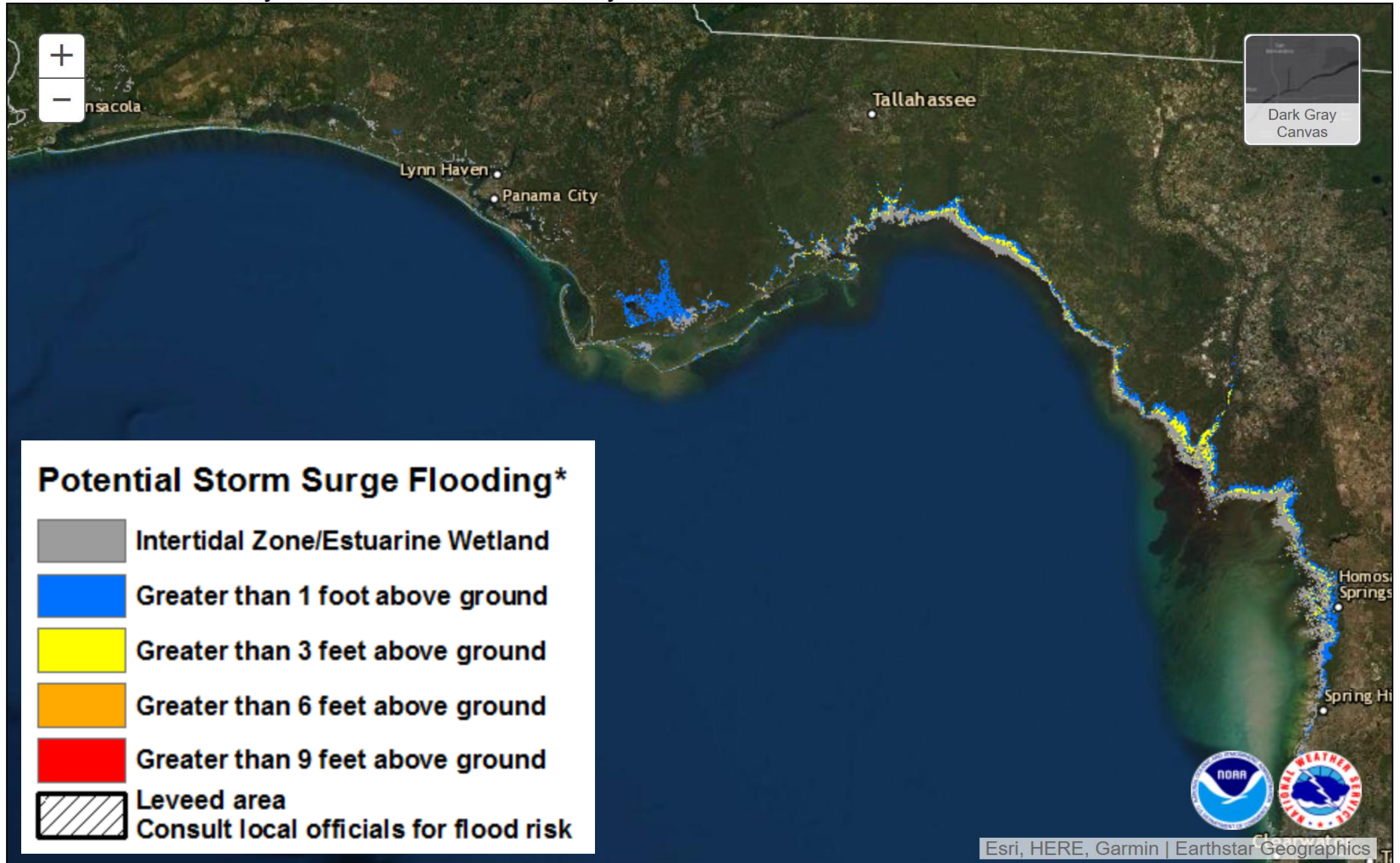
Saturday Morning



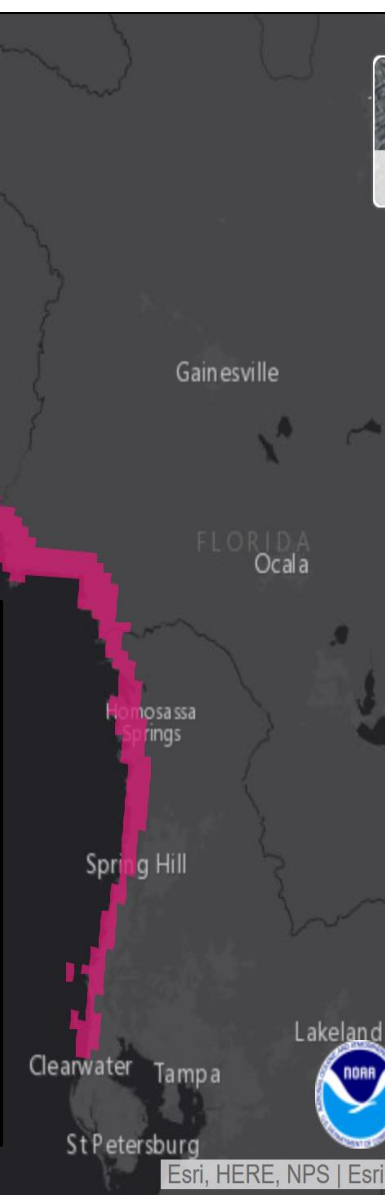
Saturday Afternoon



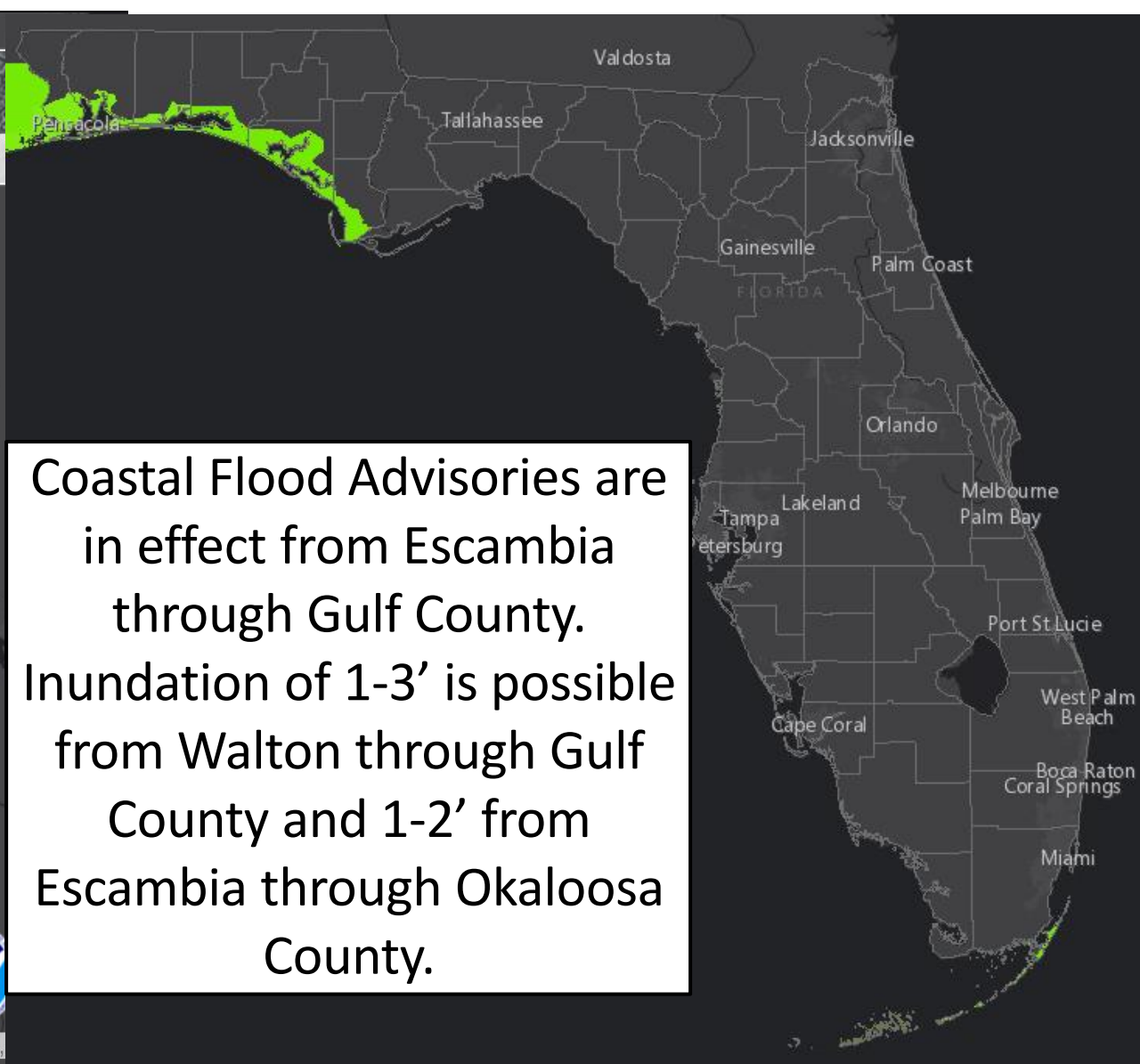
NHC Potential Storm Surge Flooding Map
Potential Tropical Cyclone SIXTEEN (2019) Advisory 01
From 10 AM CDT Thursday October 17 to 10 AM CDT Monday October 21



Storm Surge Warnings now in effect from Indian Pass to Clearwater Beach. 3-5' of inundation is possible from Indian Pass to Chassahowitzka. 2-4' of inundation is possible from Chassahowitzka to Clearwater.



Coastal Flood Advisories are in effect from Escambia through Gulf County. Inundation of 1-3' is possible from Walton through Gulf County and 1-2' from Escambia through Okaloosa County.



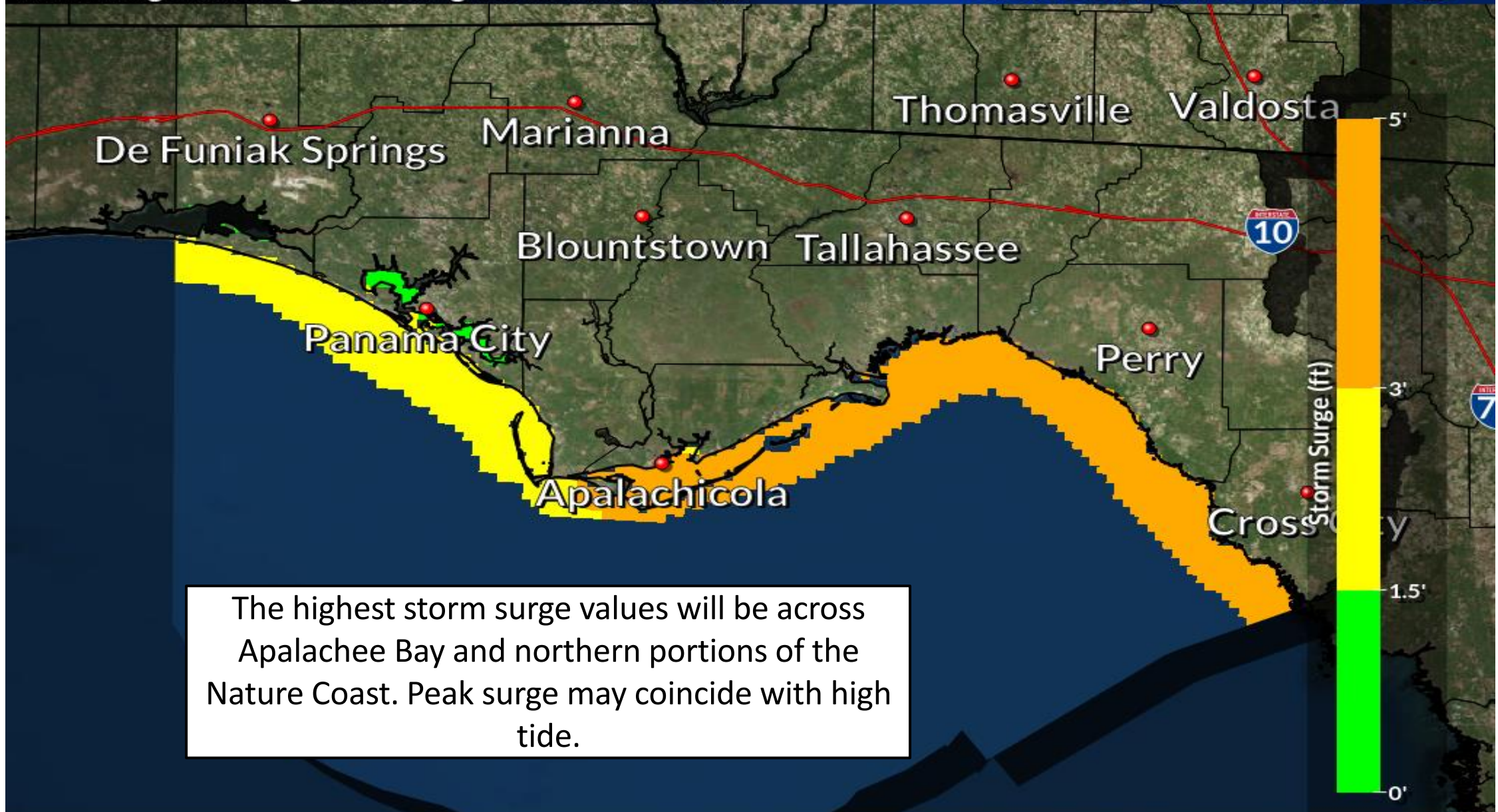
Peak Storm Surge Values

Water height above ground along the immediate coast

Weather Forecast Office

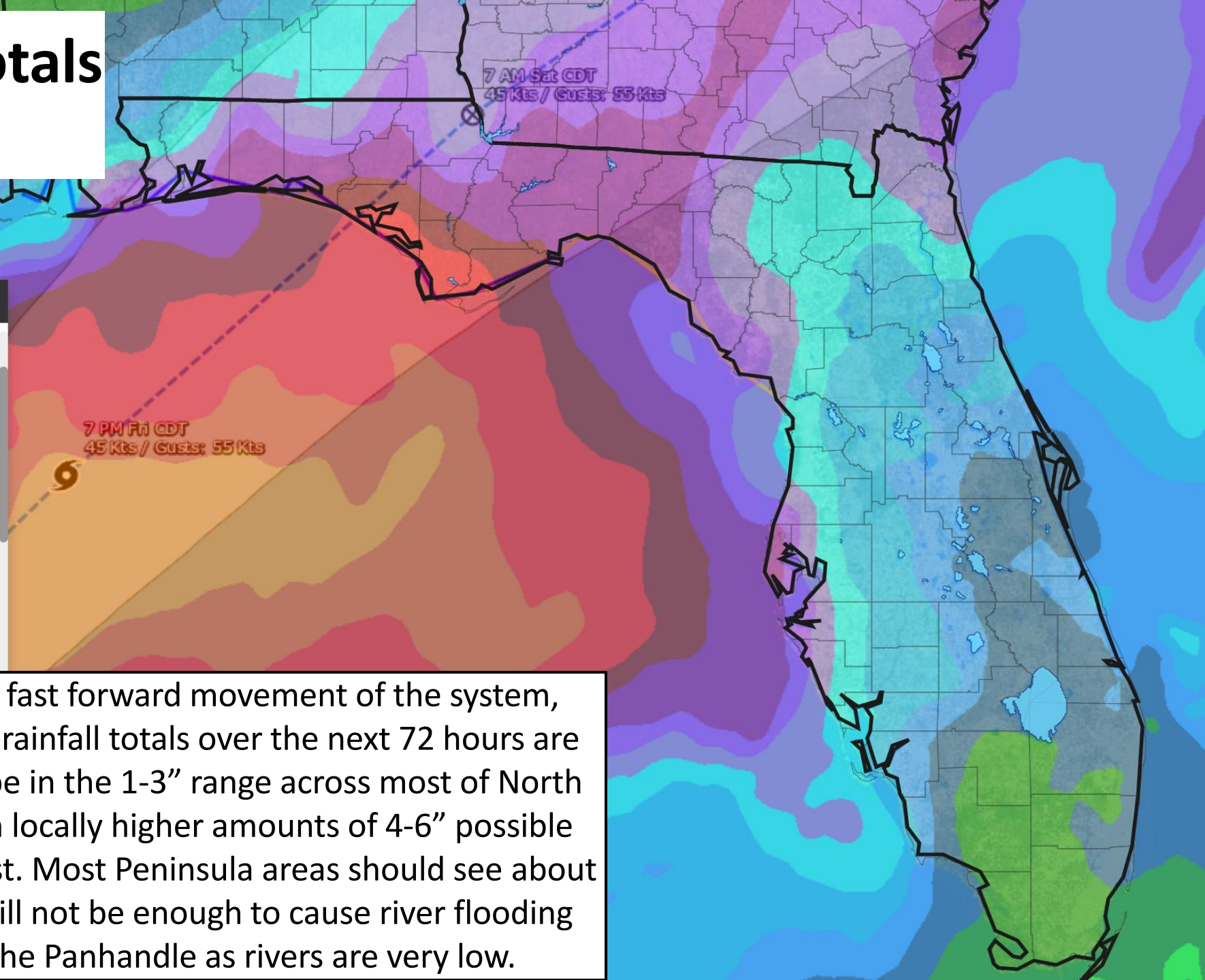
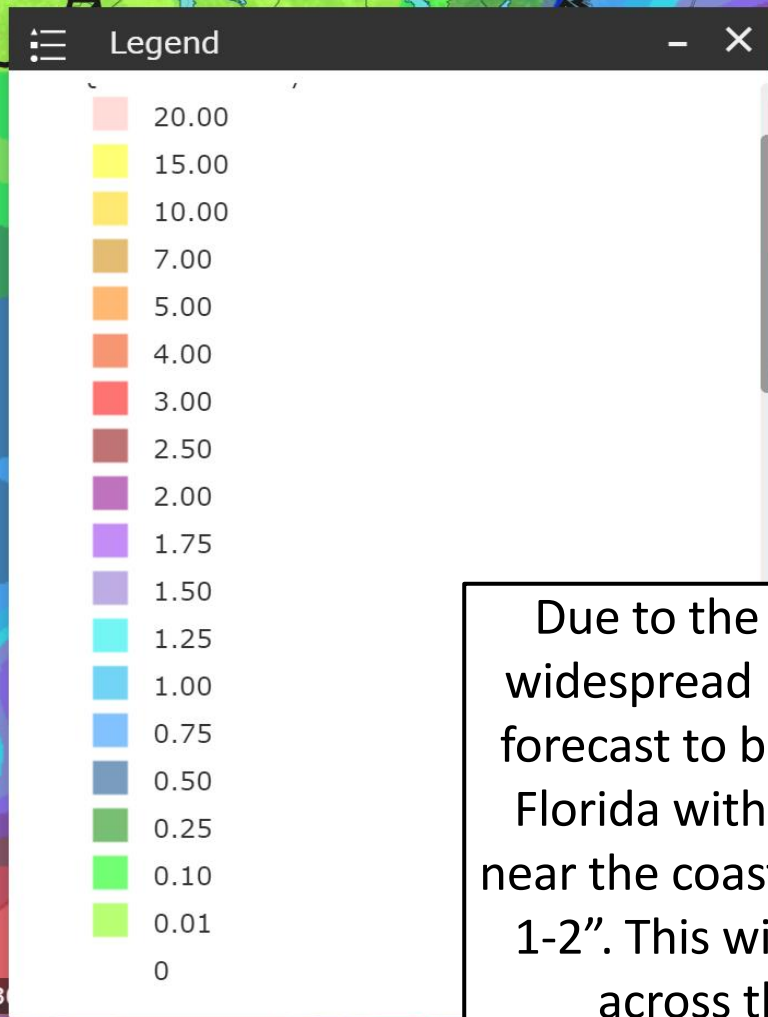
Tallahassee, FL

Issued Oct 17, 2019 10:23 AM EDT



The highest storm surge values will be across Apalachee Bay and northern portions of the Nature Coast. Peak surge may coincide with high tide.

Forecast Rainfall Totals Next 5 Days



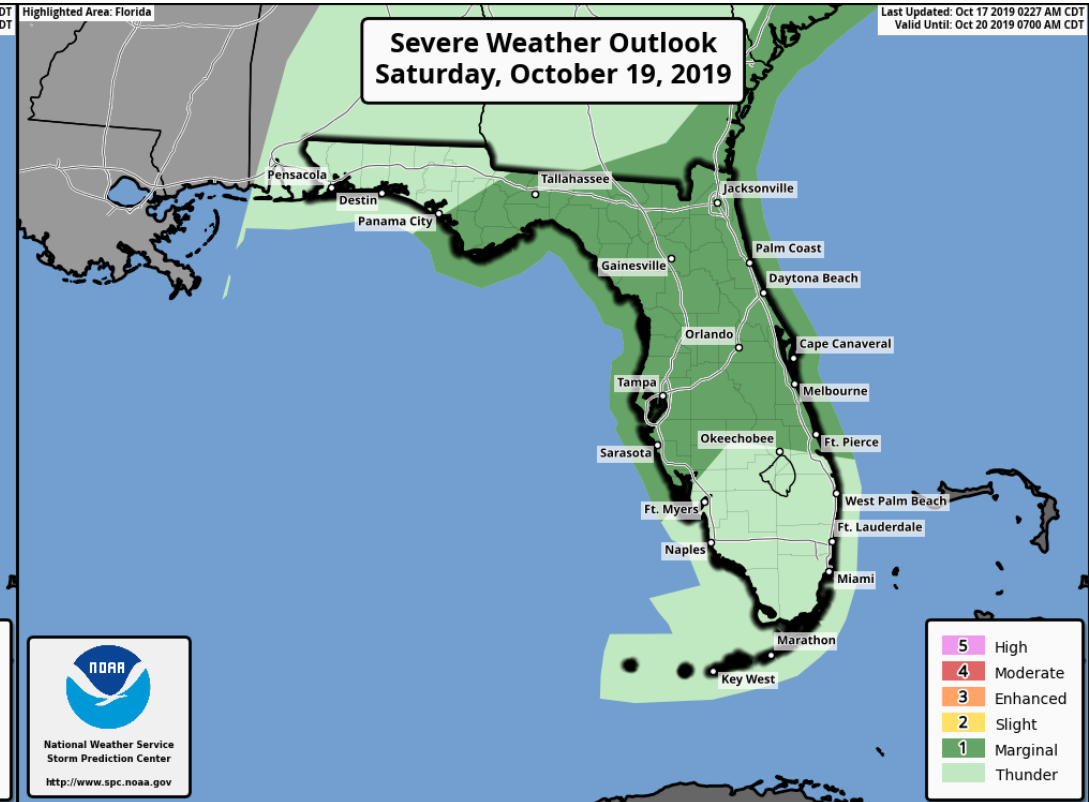
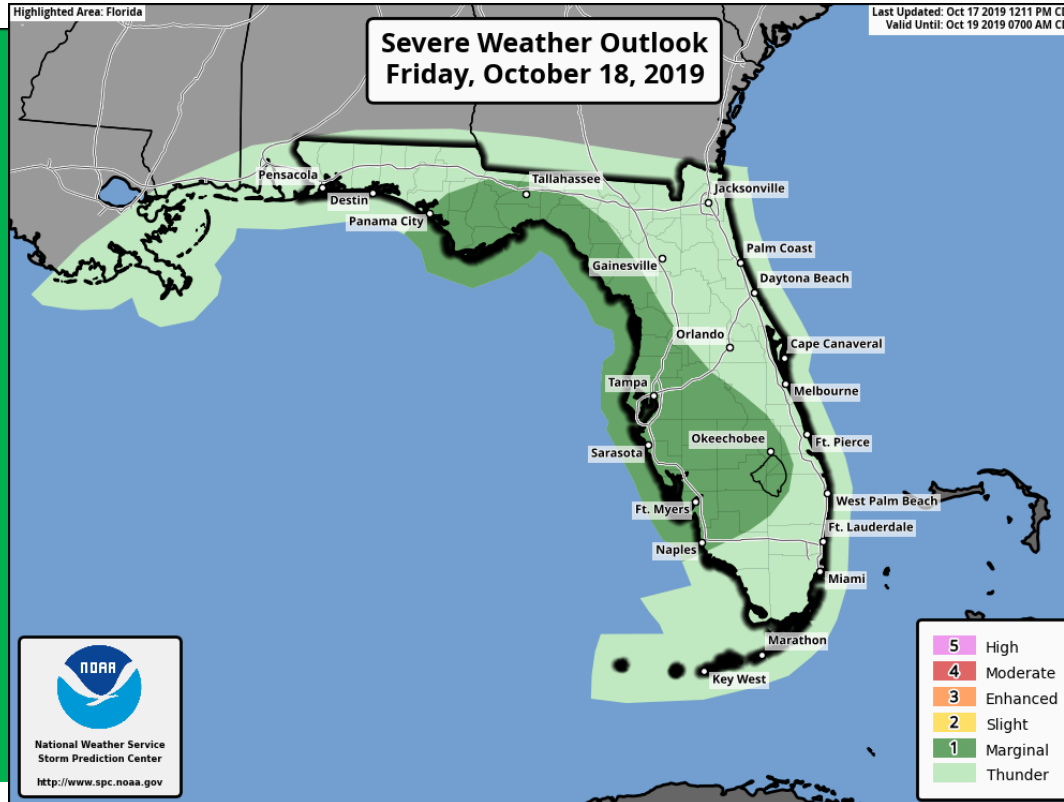
Due to the fast forward movement of the system, widespread rainfall totals over the next 72 hours are forecast to be in the 1-3" range across most of North Florida with locally higher amounts of 4-6" possible near the coast. Most Peninsula areas should see about 1-2". This will not be enough to cause river flooding across the Panhandle as rivers are very low.

Severe Weather Risks Friday & Saturday

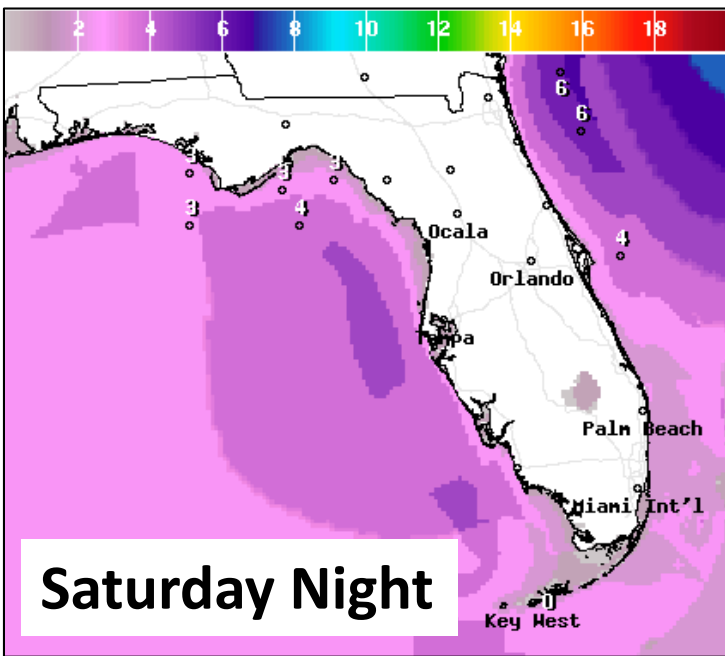
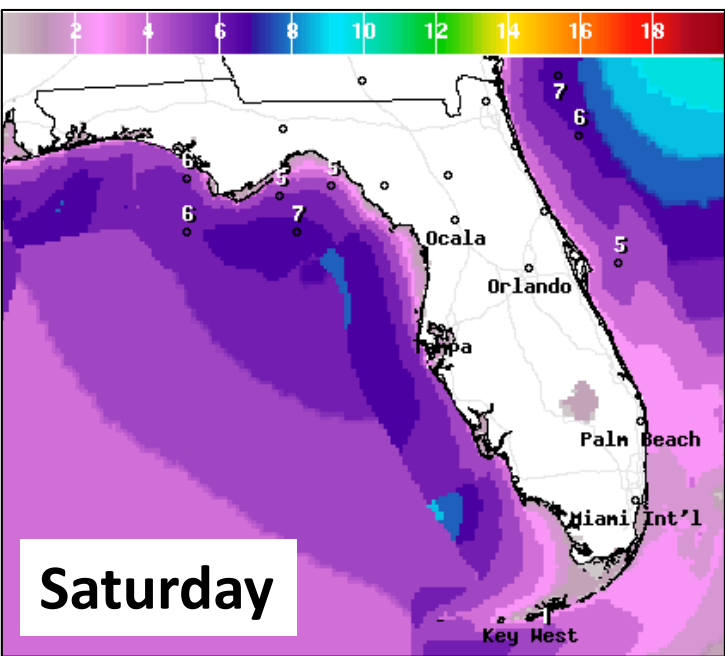
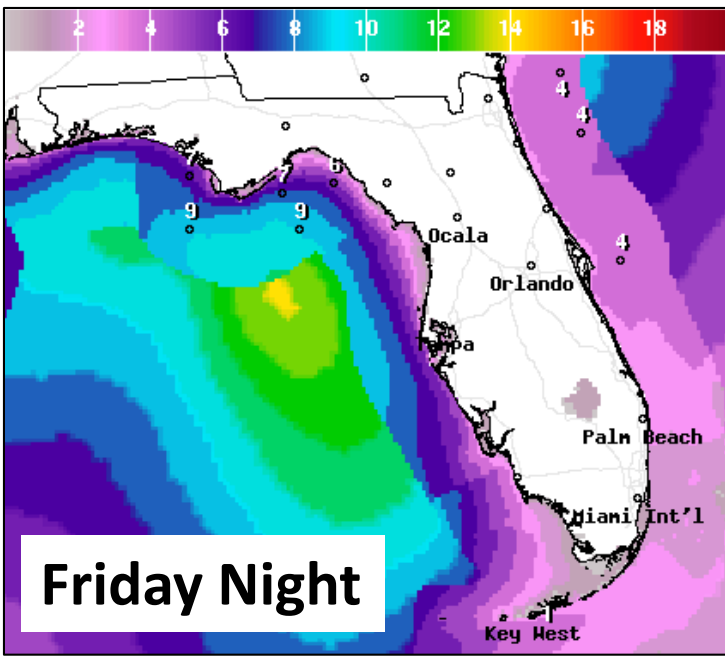
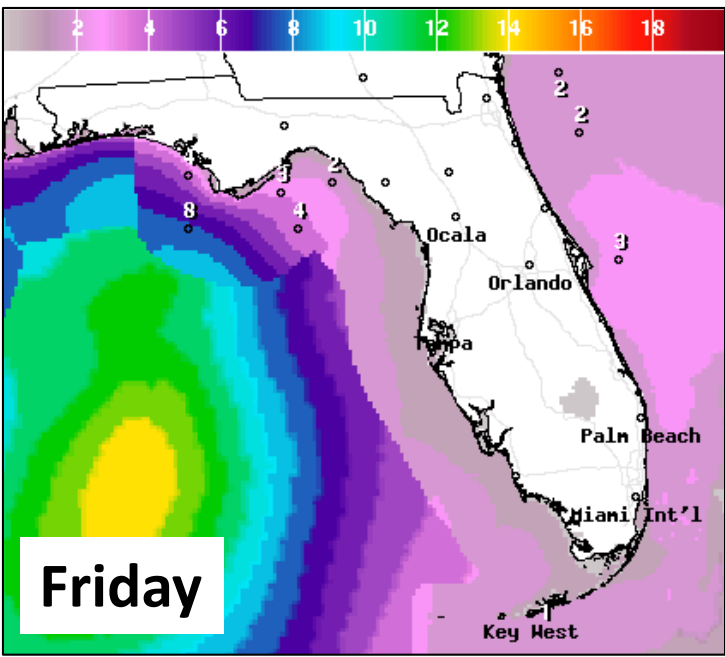
**1 - MARGINAL
(MRGL)**

**Isolated severe
thunderstorms
possible**

Limited in duration
and/or coverage
and/or intensity



The Storm Prediction Center has outlined the eastern Panhandle, Big Bend and much of the western Peninsula in a Marginal Risk of severe weather (level 1 of 5) on Friday. This risk expands to include much of North and Central Florida on Saturday. Isolated tornadoes will be possible in some of the bands associated with Potential Tropical Cyclone #16.



Forecast Wave Heights Friday & Saturday

Waves will build as PTC #16 approaches the state. Dangerous rip currents and some beach erosion are likely with these high breaking waves through at least Saturday.

After PTC #16 Passes...

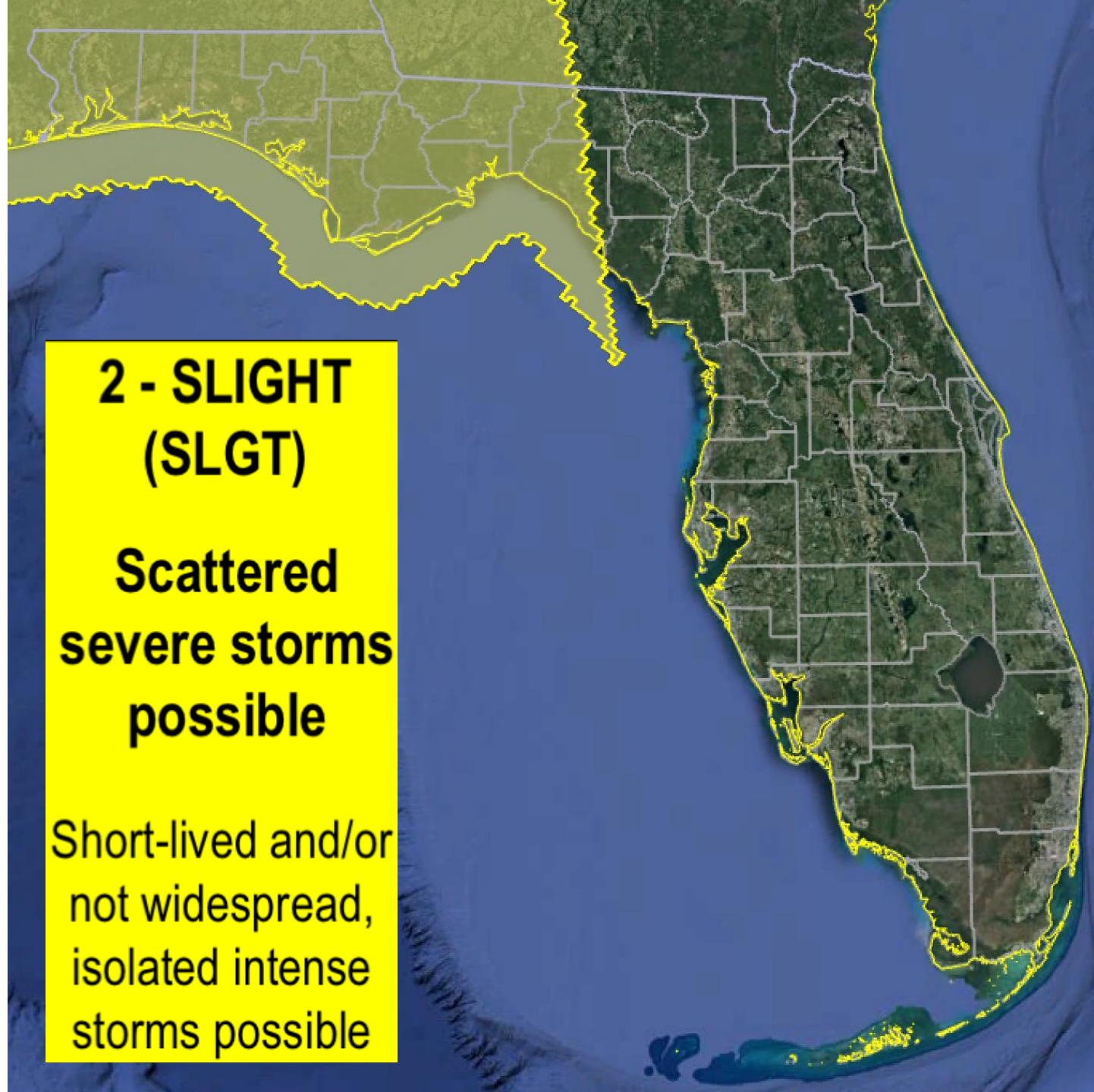
Severe Weather Risk for Monday

A strong cold front will move in on Monday, which will bring the threat of strong to severe thunderstorms to the Panhandle and Big Bend on Monday. The Storm Prediction Center has outlined all the Panhandle and Big Bend in a Slight Risk of severe weather (level 2 of 5). Since this is 5 days out, details are still being worked out. Damaging winds, large hail, and isolated tornadoes currently remain possible on Monday.

**2 - SLIGHT
(SLGT)**

**Scattered
severe storms
possible**

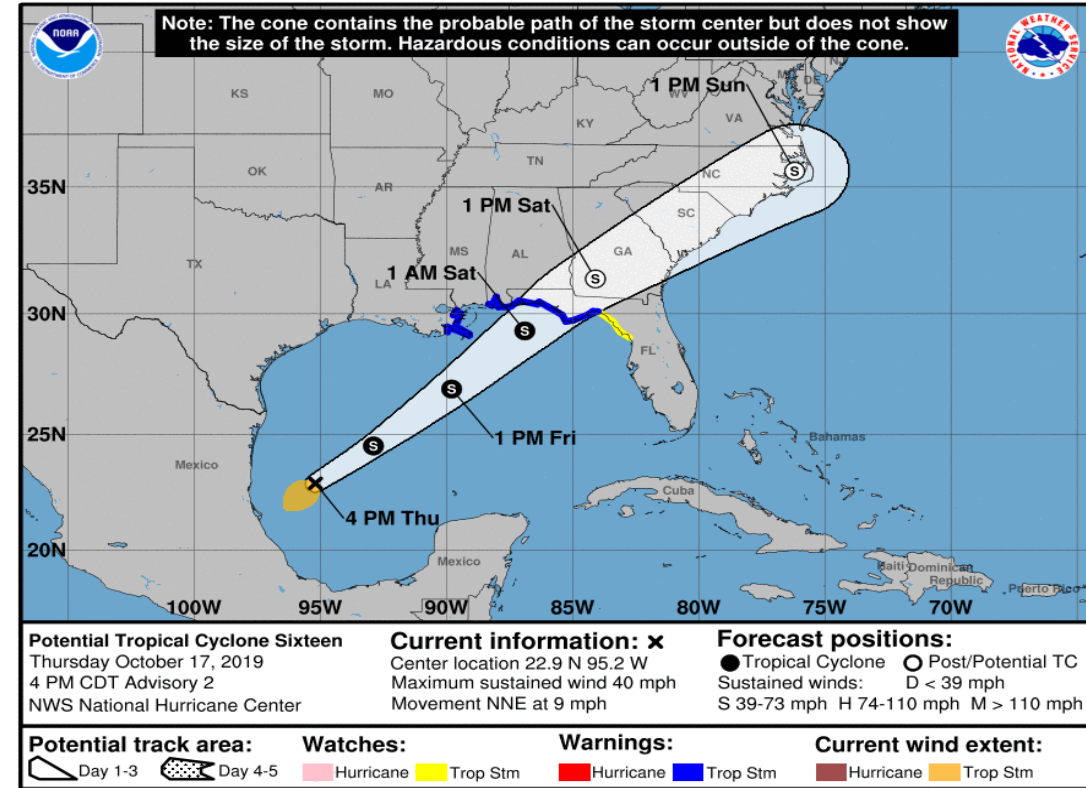
Short-lived and/or
not widespread,
isolated intense
storms possible



	MINIMAL	Low	MODERATE	HIGH	EXTREME
 WINDS					
 STORM SURGE					
 FLOODING					
 TORNADOES					

	Low	MODERATE	HIGH
 RIP CURRENTS			

National Hurricane Center Map



Changes This Afternoon:

- Storm Surge Warnings now in effect for the Big Bend and Nature Coast.
- Tropical Storm Warnings expanded along the Big Bend coast.
- Still some uncertainty in forward speed and eastern expansion of potential impacts.
- Primary concern is coastal flooding, but flash flooding, gusty winds and tornadoes all possible.

Summary

Potential Tropical Cyclone #16

- At 11am EDT Thursday, the Gulf of Mexico disturbance was declared Potential Tropical Cyclone #16.
- It does not yet have a defined center of circulation, but it is getting better organized and should be upgraded tonight or early Friday to Sub-Tropical Storm or Tropical Storm Nestor.
- Currently, PTC #16 is moving toward the north-northeast at 9 mph, and a faster northeastward motion is expected Friday and Saturday.
- Landfall is likely on Saturday in the Florida Panhandle, but impacts could begin on Friday and could affect much of North and Central Florida.
- PTC #16 is forecast to move quickly into Georgia, South Carolina and North Carolina on Saturday.

Florida Outlook:

- Tropical Storm Warnings are in effect for Escambia, Santa Rosa, Okaloosa, coastal Walton, Bay, Gulf, Franklin, Wakulla and Jefferson Counties.
- Tropical Storm Watches are in effect for northern Walton, Holmes, Washington, Jackson, Calhoun, Gadsden, Liberty, Leon, inland Wakulla, inland Jefferson, Madison, Taylor, Dixie, Lafayette, and Levy.
- Storm Surge Warnings are now in effect from Indian Pass to Clearwater Beach.
- Storm surge of 3-5' is possible from Indian Pass to Chassahowitzka and 2-4' is possible from Chassahowitzka to Clearwater Beach.
- Rain may begin as early as Friday afternoon across North and West Central Florida and overspread all of North Florida through the night.
- The main rain and wind impacts will be Friday night through Saturday afternoon.
- Rainfall totals of 1-3" with localized higher amounts of 4-6" are possible in North Florida with totals of 1-2" in Central Florida.
- There is a Marginal Risk of severe weather for the eastern Panhandle, Big Bend, and the Peninsula north of Lake Okeechobee for Saturday. Isolated tornadoes will be possible in the bands of PTC #16.
- Waves will begin to build tonight and especially on Friday into Saturday as PTC #16 approaches. Dangerous rip currents and some beach erosion are likely along the Panhandle and West Coast.

The next tropics packet will be issued Friday morning. 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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