



TROPICAL UPDATE

5 PM EDT

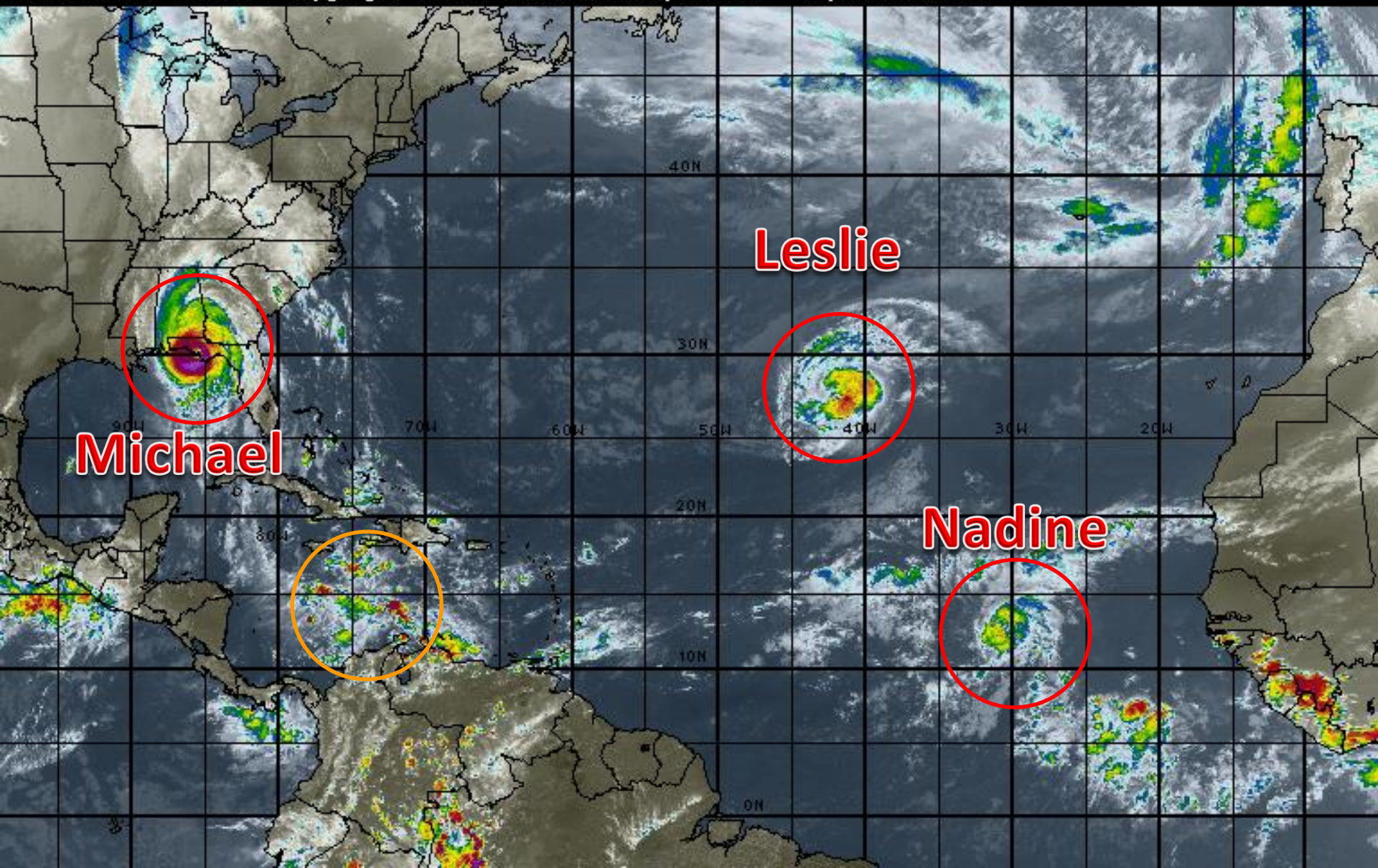
Wednesday, October 10, 2018

**Major Hurricane Michael, Hurricane Leslie,
Tropical Storm Nadine, Caribbean Low (50%)**

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.nhc.noaa.gov.

Atlantic Basin Satellite Image

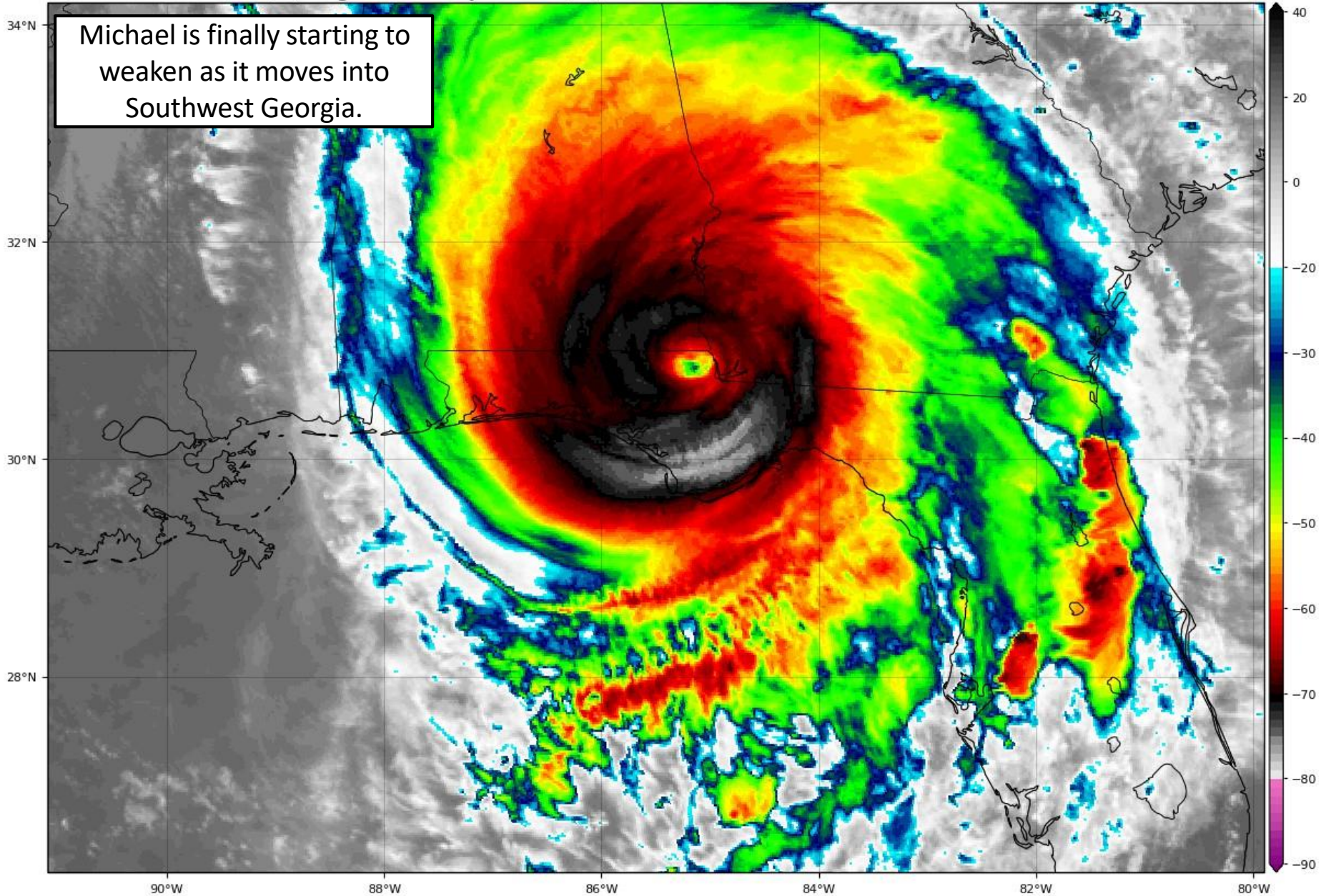
18:00 10-OCT-2018 GMT Copyright © 1998-2018 WSI Corporation <http://www.wsi.com>



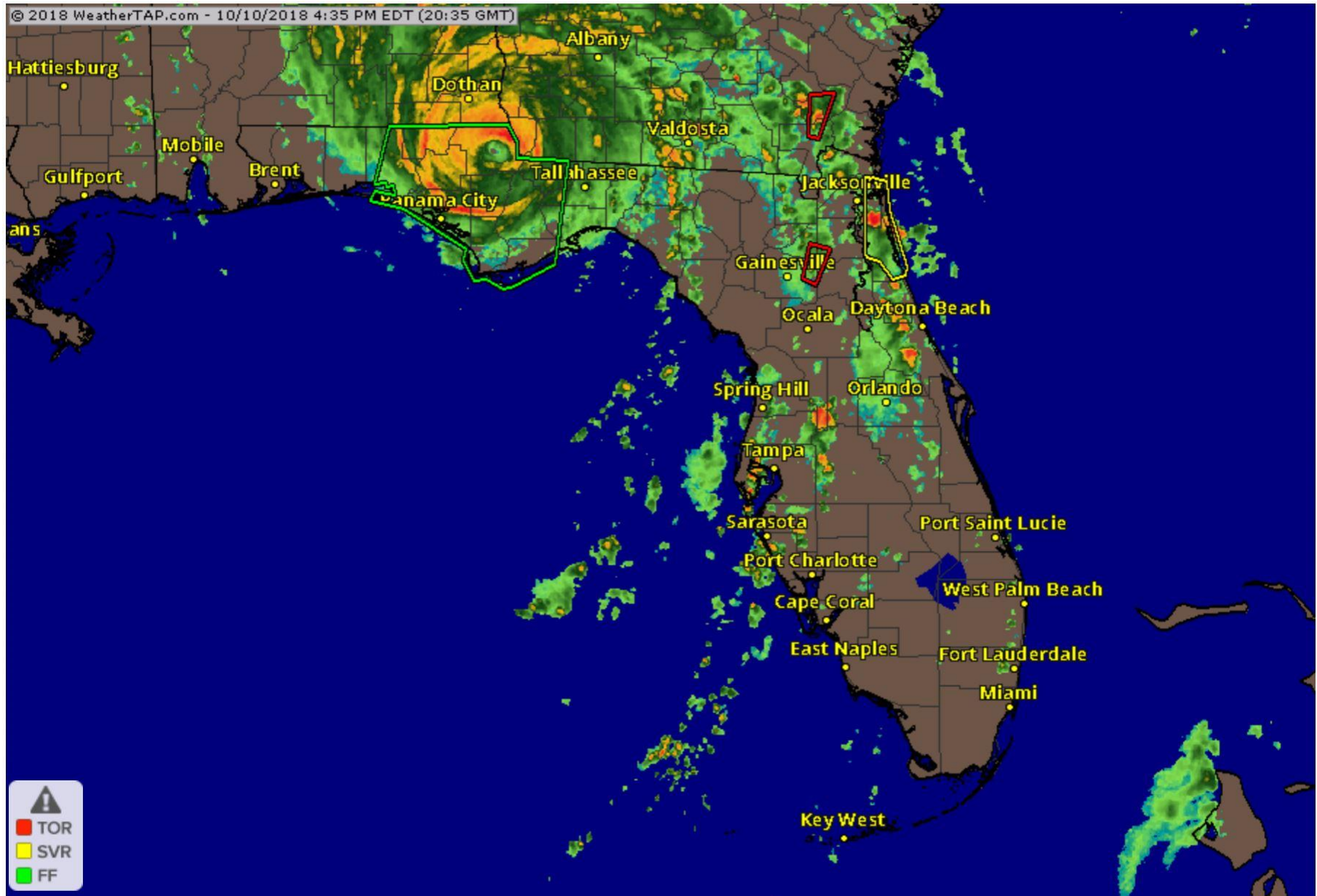
Hurricane Michael Satellite Image

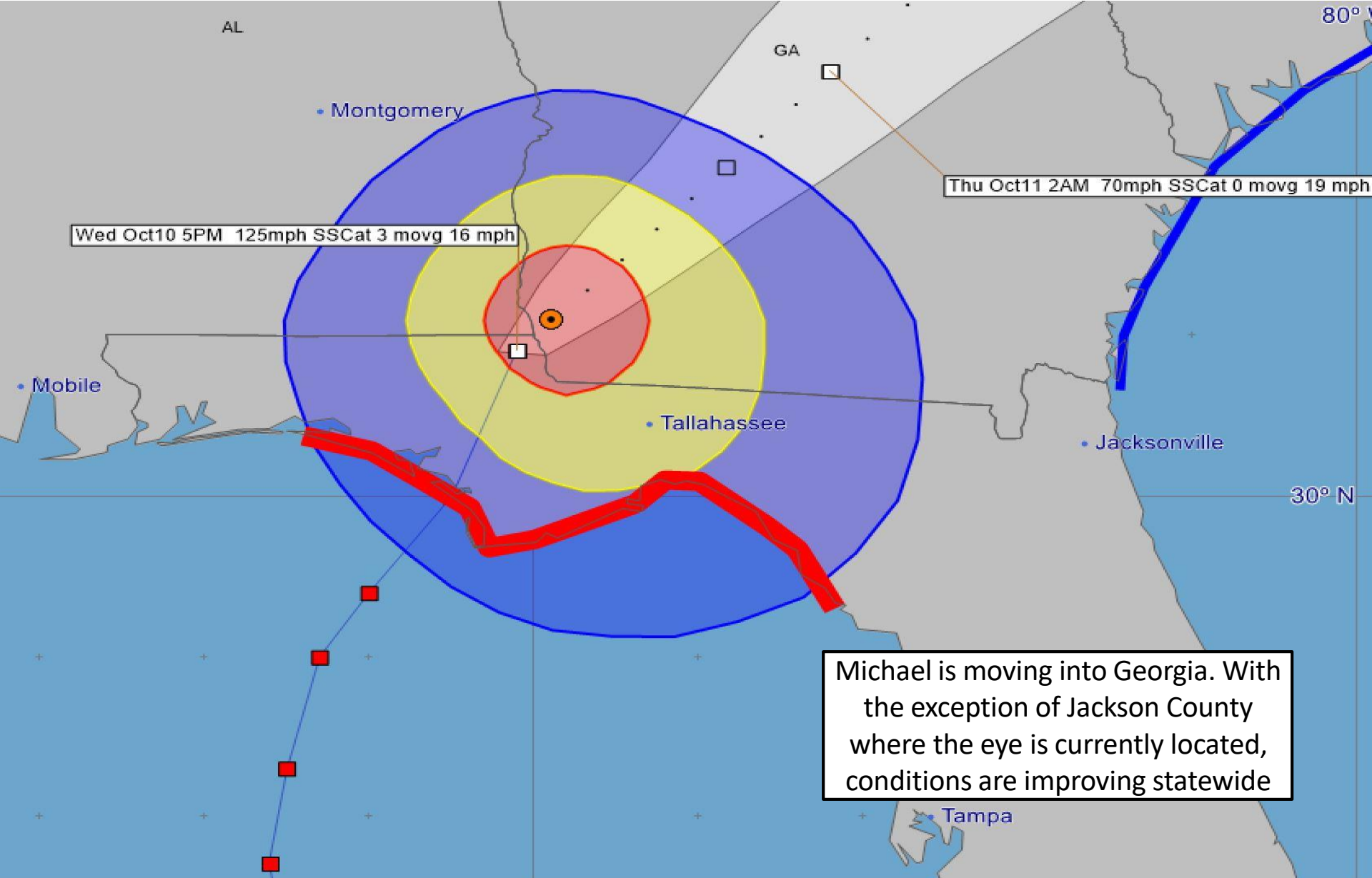
GOES-16 Channel 13 (IR) Brightness Temperature (°C) at 20:28Z Oct 10, 2018

TROPICALTIDBITS.COM



State Radar as of 4:30 PM EDT Wed.





Hurricane Michael - Wednesday, October 10, 2018 6 PM EDT (Fcst Hr 1) Advisory #17

Center Location: 31.1 N 84.9 W Maximum Sustained Winds: 120 mph (Cat 3) Movement: 18 mph NE

forecast positions Potential Track Area: day 1-3 day 4-5 Surface Wind Field: at current location

Watches: hurricane tropical storm

Warnings: hurricane tropical storm

Sustained Wind Speeds: tropical storm ≥ 34 kt/39mph strong tropical storm ≥ 50 kt/58mph hurricane ≥ 64 kt/74mph

HURRICANE MICHAEL

ALERTS

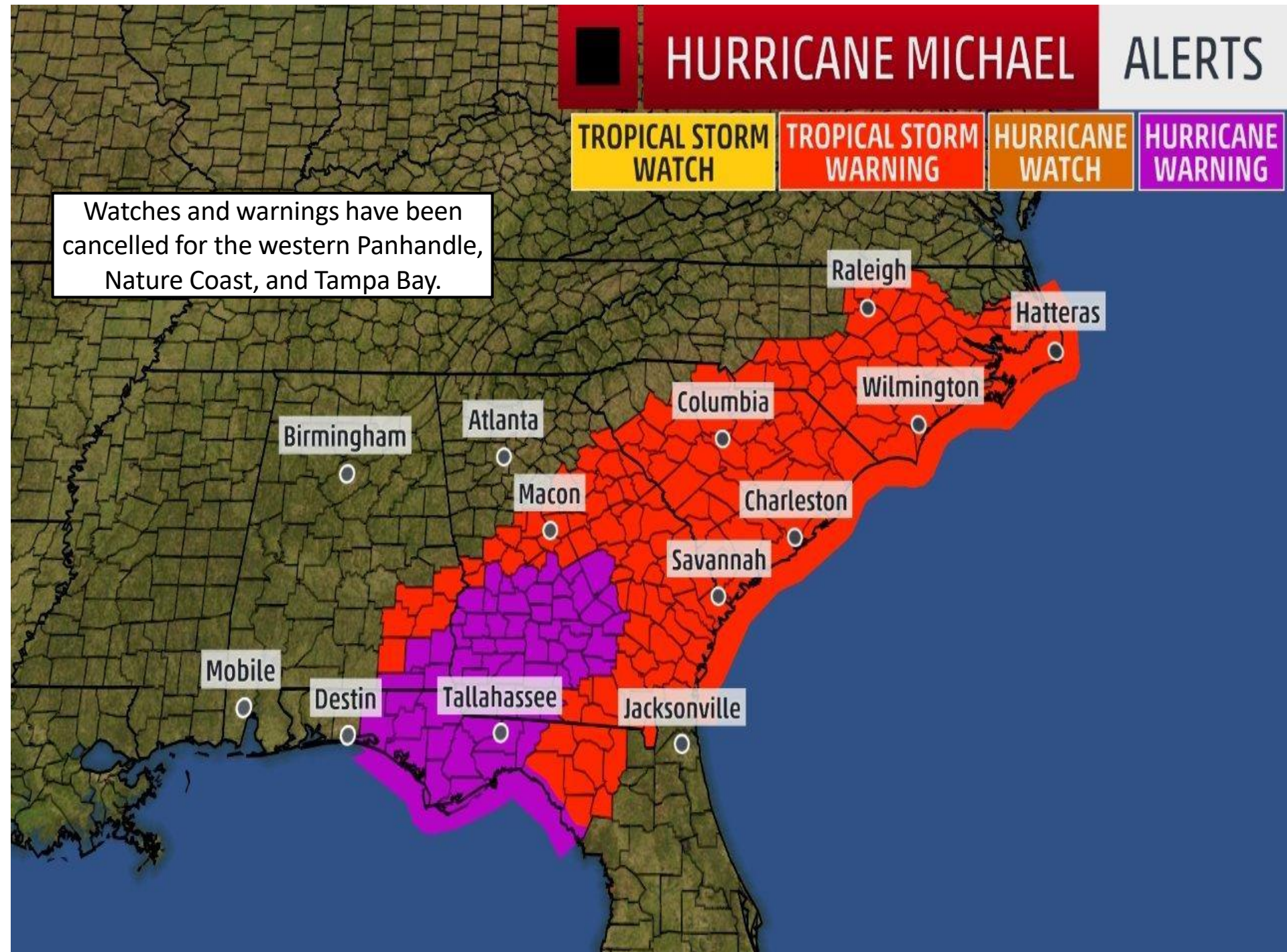
TROPICAL STORM
WATCH

TROPICAL STORM
WARNING

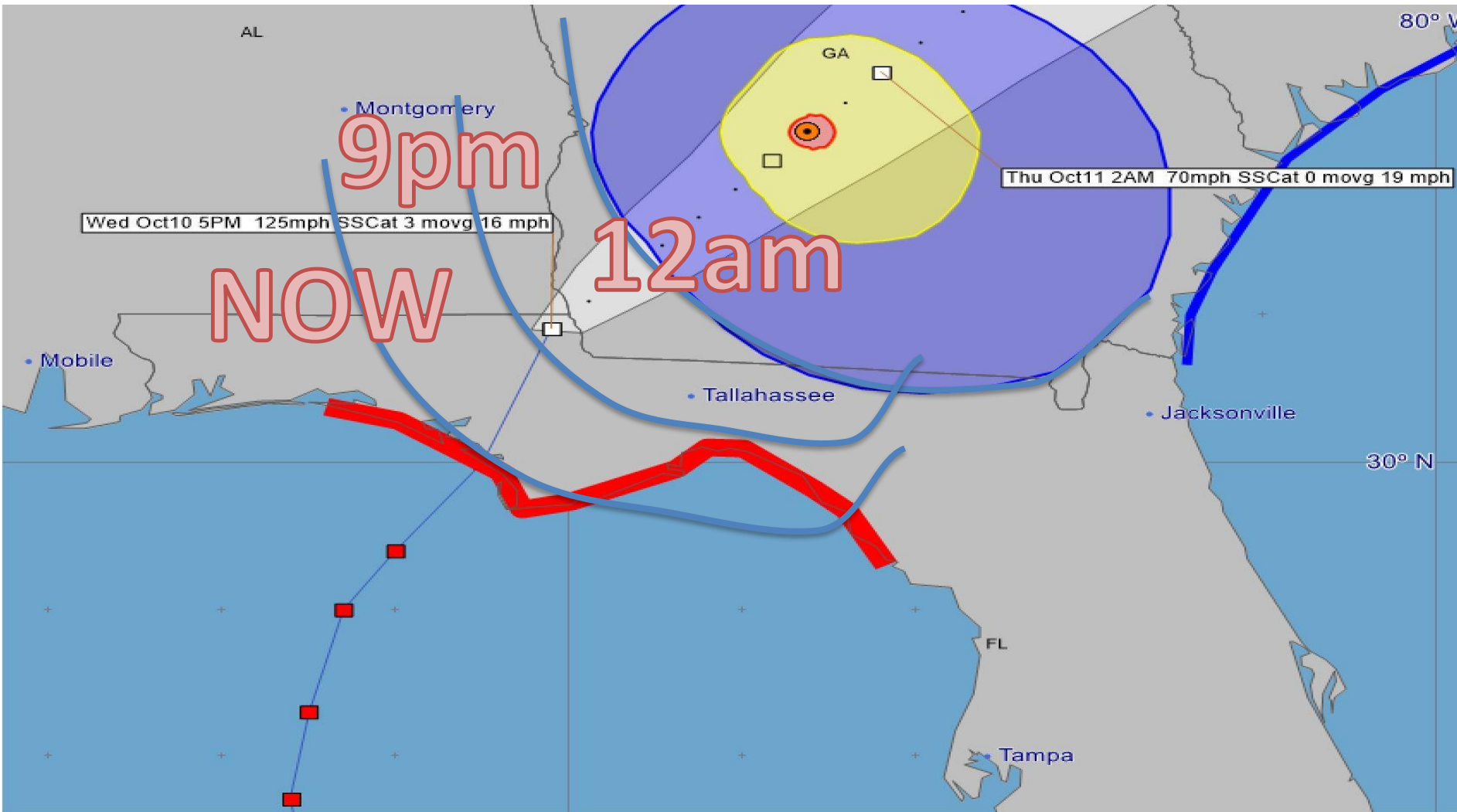
HURRICANE
WATCH

HURRICANE
WARNING

Watches and warnings have been cancelled for the western Panhandle, Nature Coast, and Tampa Bay.



Hurrevac Timing of Secession of TS winds – Wednesday (assumes a perfect forecast) (all times eastern)



Hurricane Michael - Thursday, October 11, 2018 12 AM EDT (Fcst Hr 7) Advisory #17

Center Location: 32.2 N 83.6 W Maximum Sustained Winds: 80 mph (Cat 1) Movement: 18 mph NE

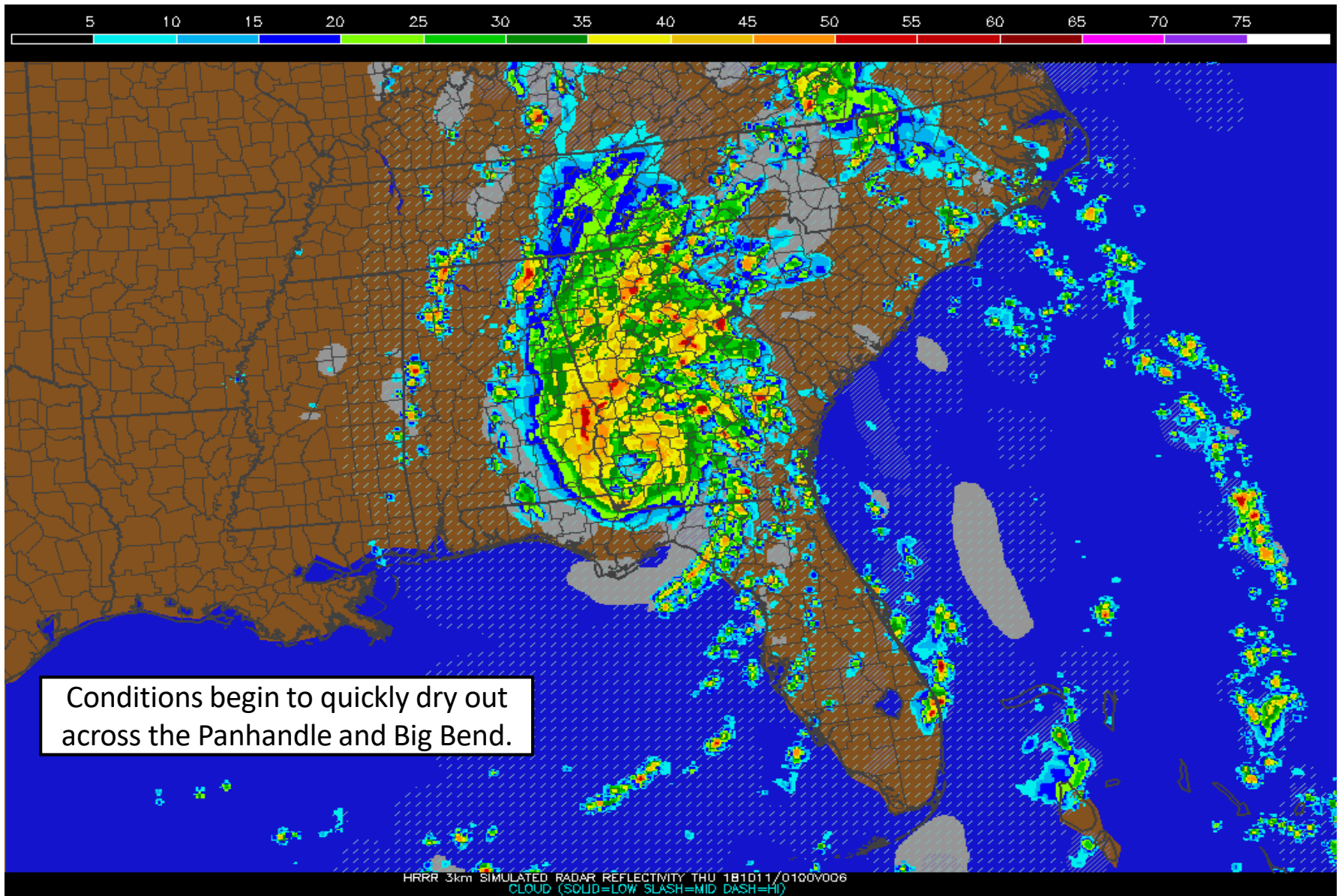
forecast positions Potential Track Area: day 1-3 day 4-5 Surface Wind Field: at current location

Watches: hurricane tropical storm

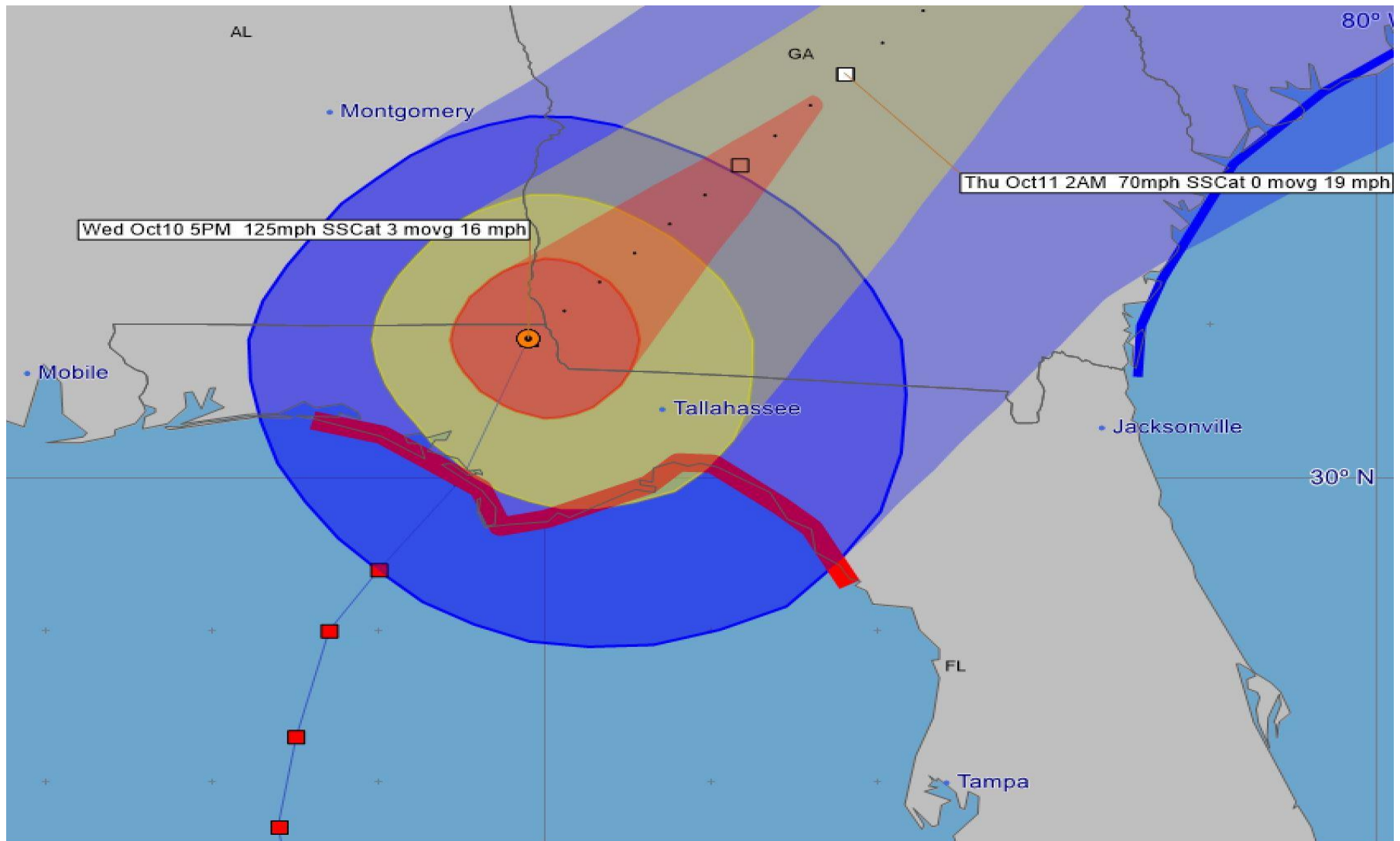
Warnings: hurricane tropical storm

Sustained Wind Speeds: tropical storm ≥ 34 kt/39mph strong tropical storm ≥ 50 kt/58mph hurricane ≥ 64 kt/74mph

Forecast Radar 9 PM ET / 8PM CT



Forecast Cumulative Wind Swath



Hurricane Michael - Wednesday, October 10, 2018 5 PM EDT Advisory #17

Center Location: 30.9 N 85.1 W Maximum Sustained Winds: 125 mph (Cat 3) Movement: 16 mph NNE

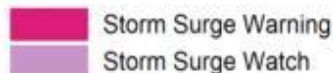
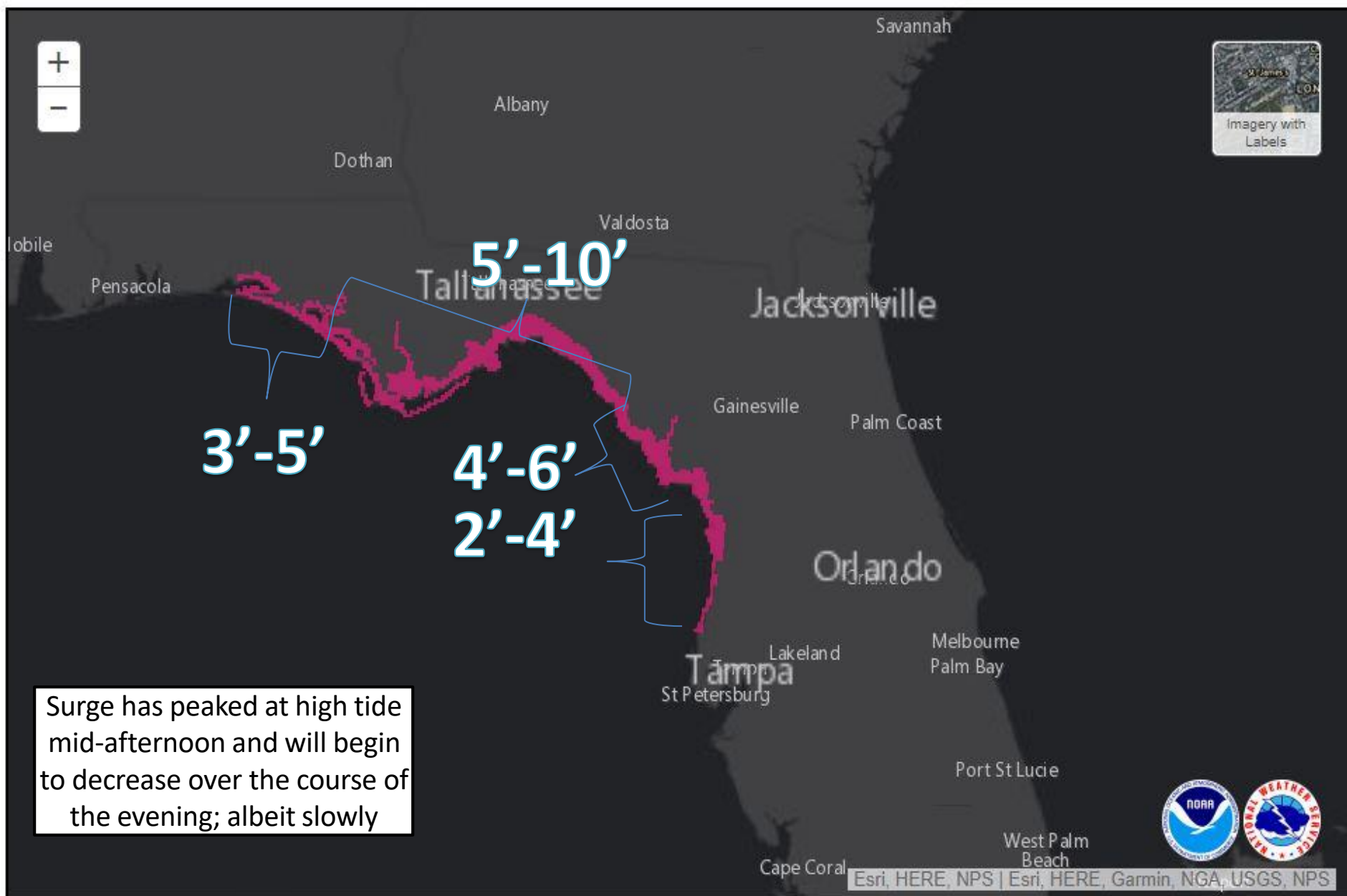
forecast positions Surface Wind Field: at current location

along 3-day forecast track

Watches: hurricane tropical storm

Warnings: hurricane tropical storm

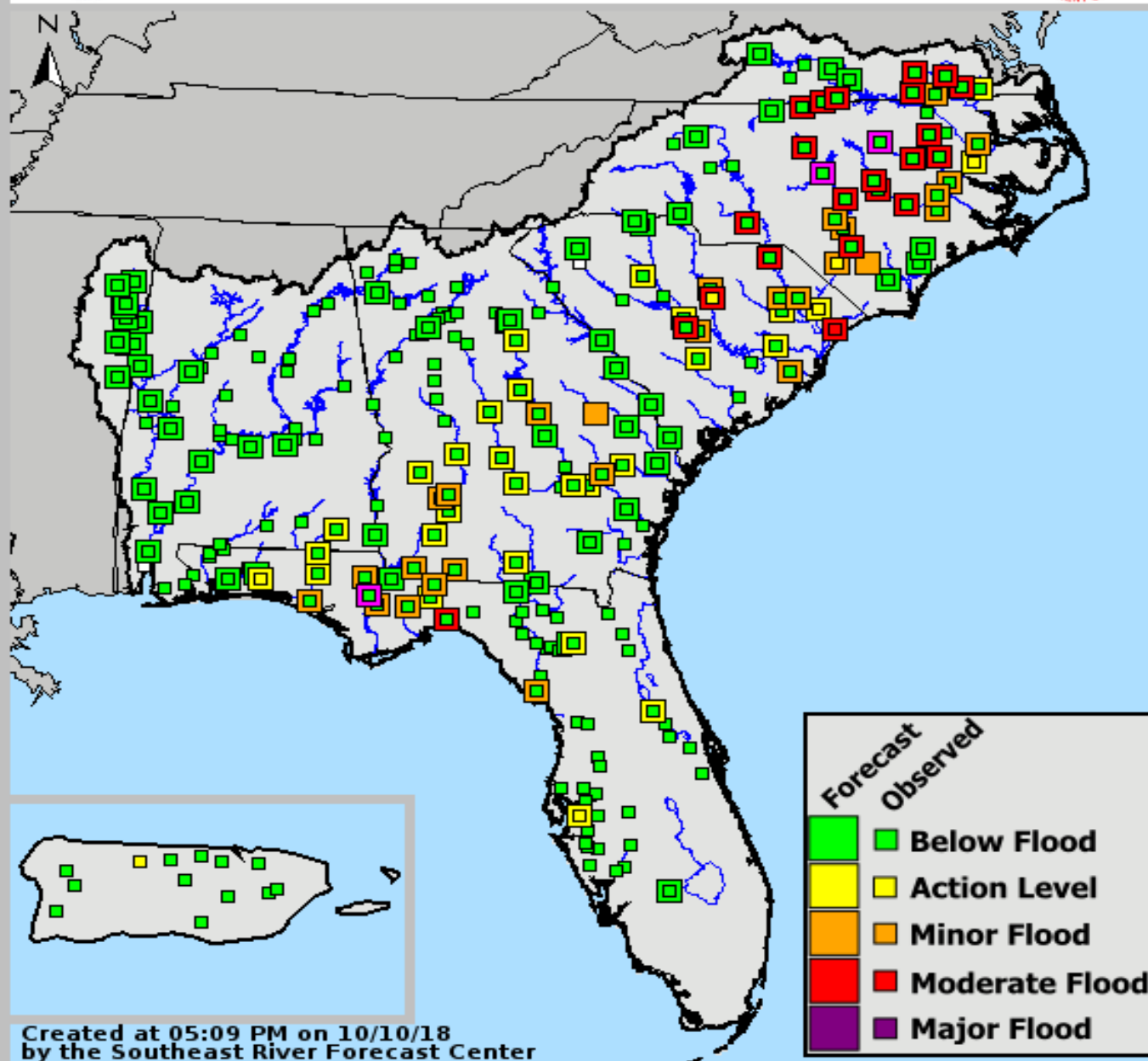
Sustained Wind Speeds: tropical storm ≥ 34 kt/39mph strong tropical storm ≥ 50 kt/58mph hurricane ≥ 64 kt/74mph





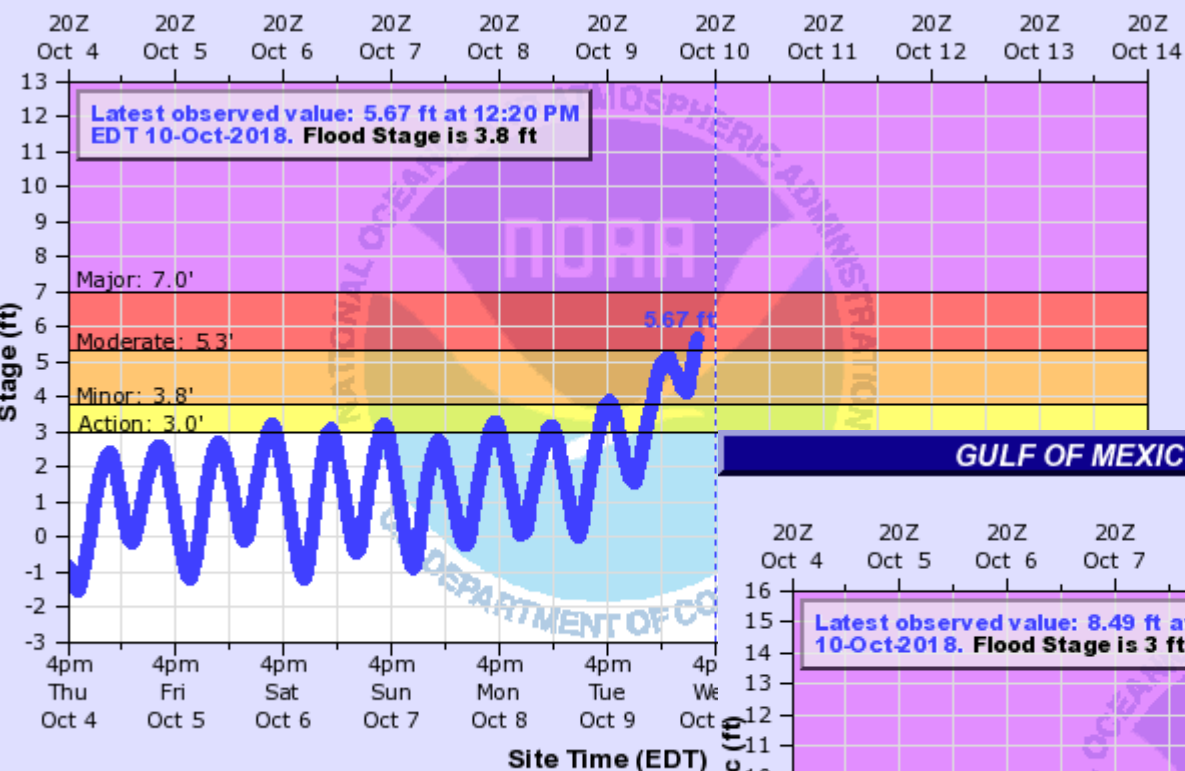
SERFC River Condition

Valid: 10/10/2018 @ 05:09 PM



ST. MARKS RIVER AT ST. MARKS

Universal Time (UTC)



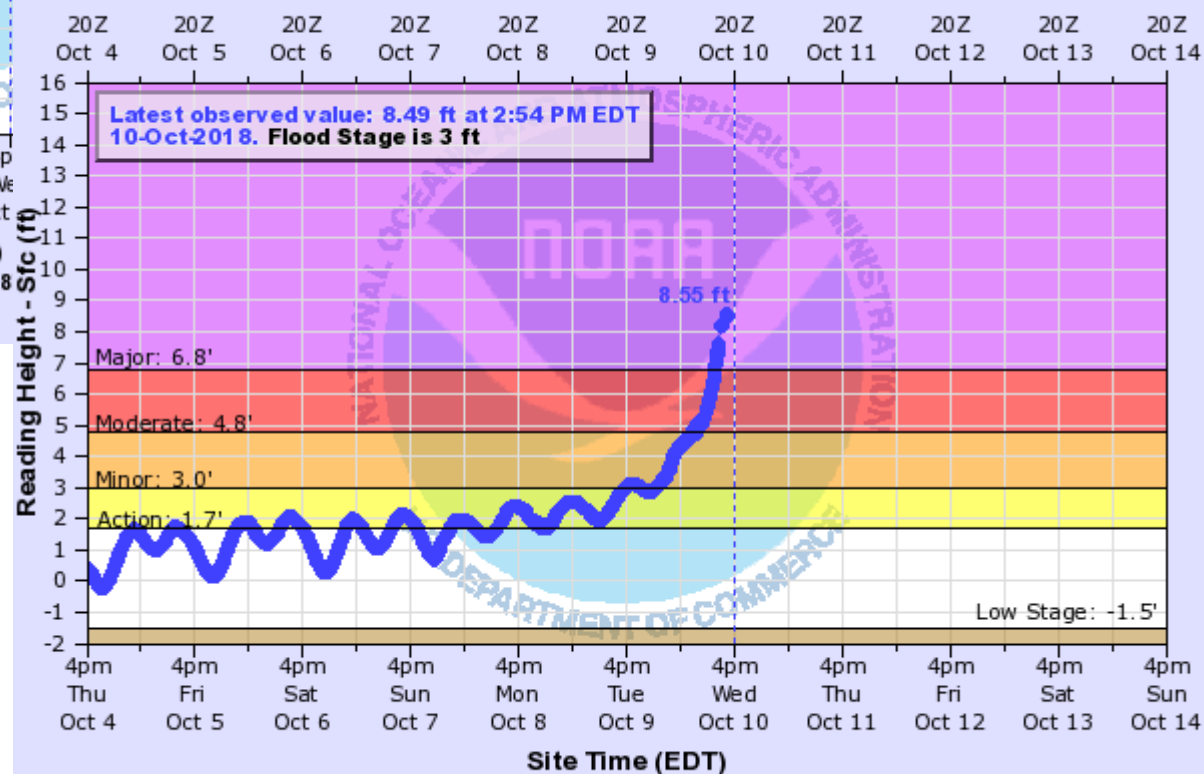
----- Graph Created (4:37PM Oct 10, 2018)

MRKF1(plotting HGIRG) "Gage 0" Datum: 0'

Surge has peaked at high tide mid-afternoon and will begin to decrease over the course of the evening; albeit slowly

GULF OF MEXICO TIDE GAUGE AT APALACHICOLA

Universal Time (UTC)

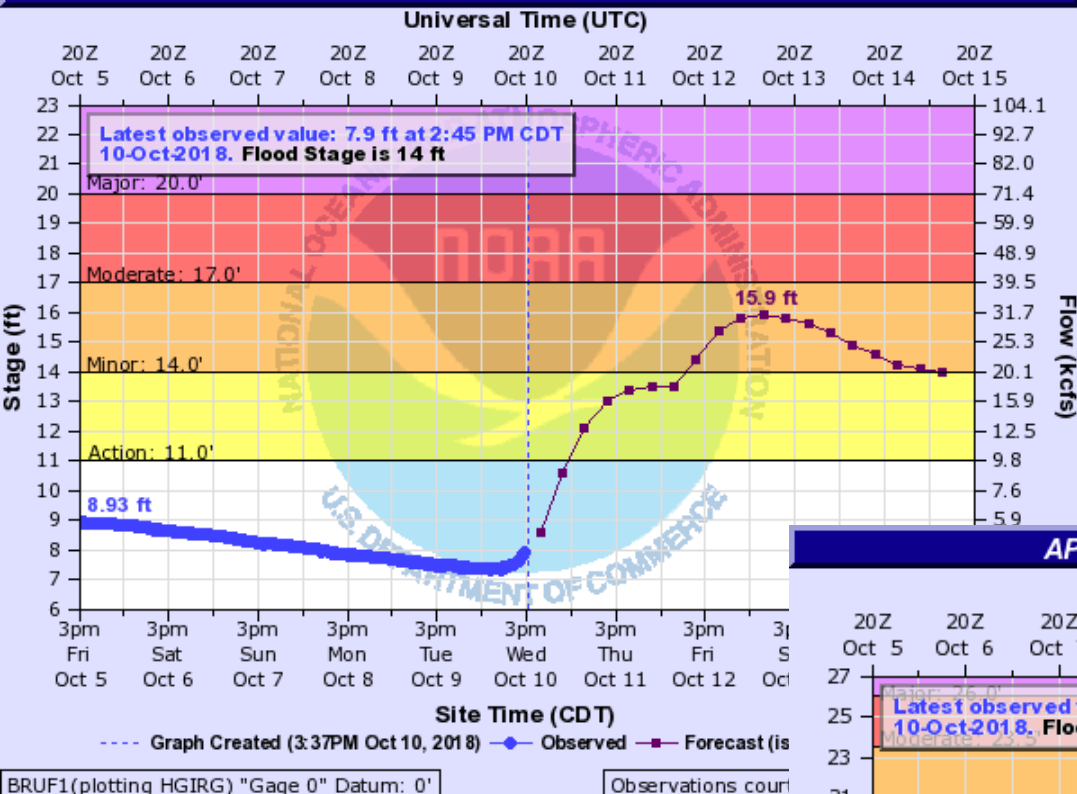


----- Graph Created (4:37PM Oct 10, 2018) ----- Observed

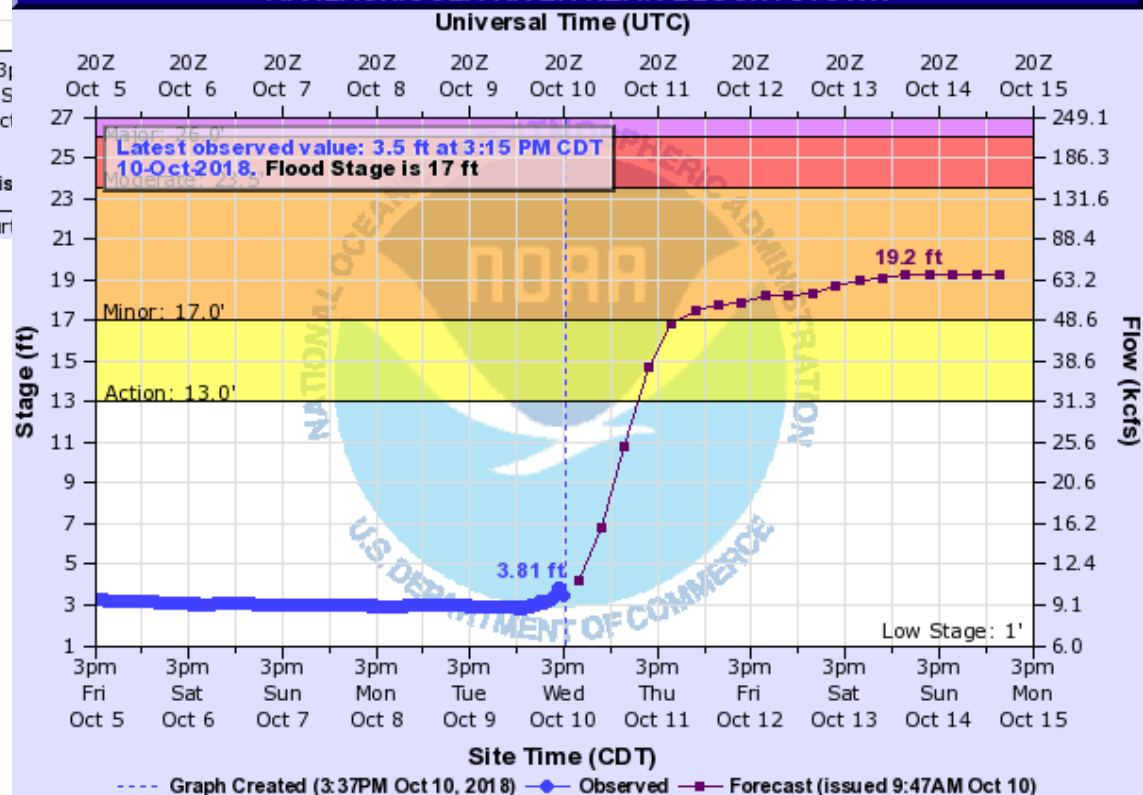
APCF1(plotting HAIRG) "Gage 0" Datum: 0'

Observations courtesy of National Ocean Service - NWLON

CHOCTAWHATCHEE RIVER NEAR BRUCE-EBRO (SR 20)



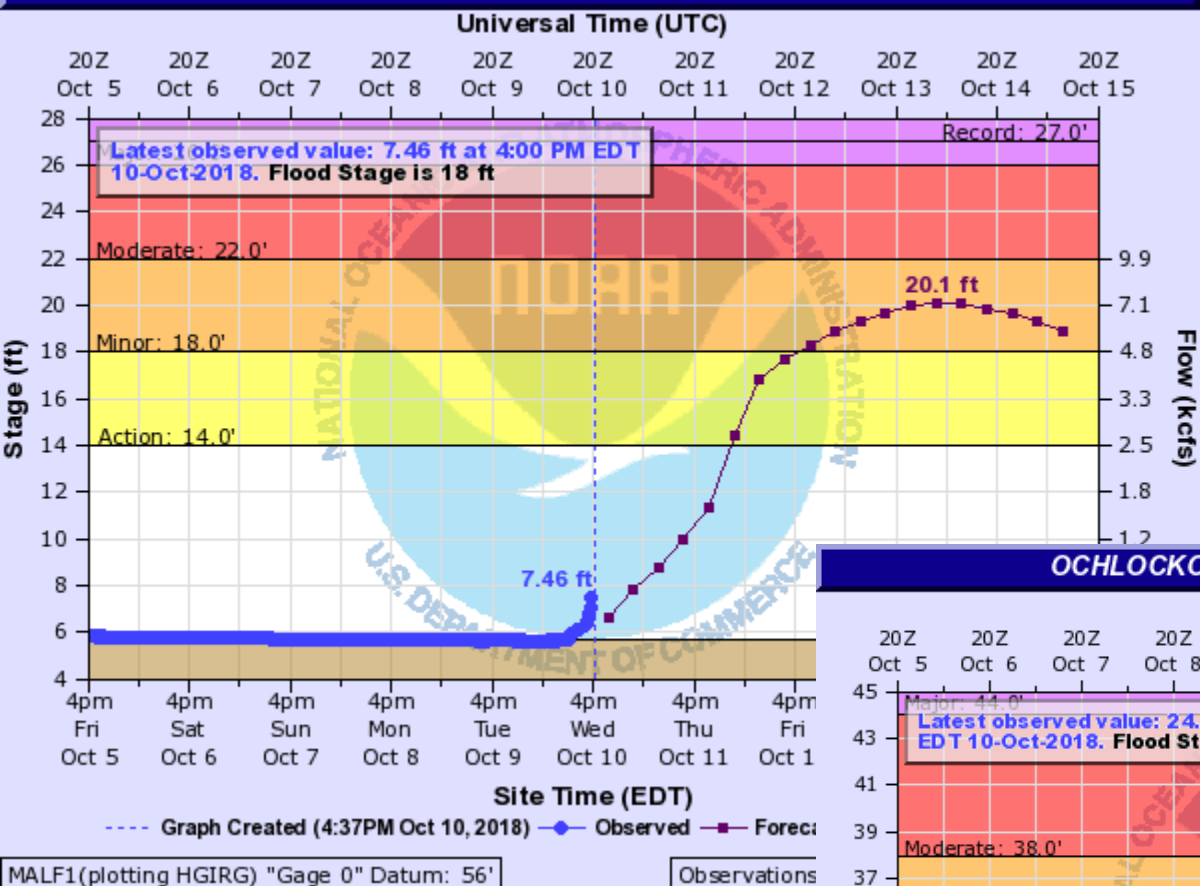
APALACHICOLA RIVER NEAR BLOUNTSTOWN



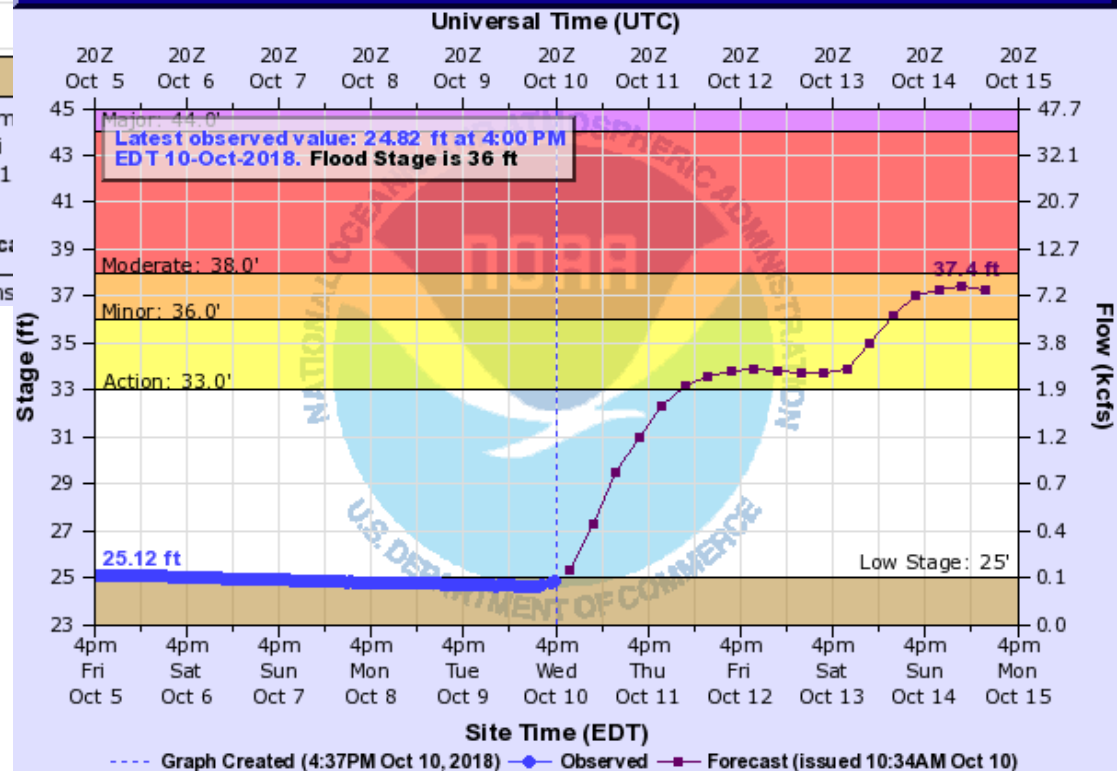
Rivers will begin to rise in the eastern Panhandle and western Big Bend due to rainfall totals.

<https://www.weather.gov/serfc/>

CHIPOLA RIVER AT MARIANNA (US 90)



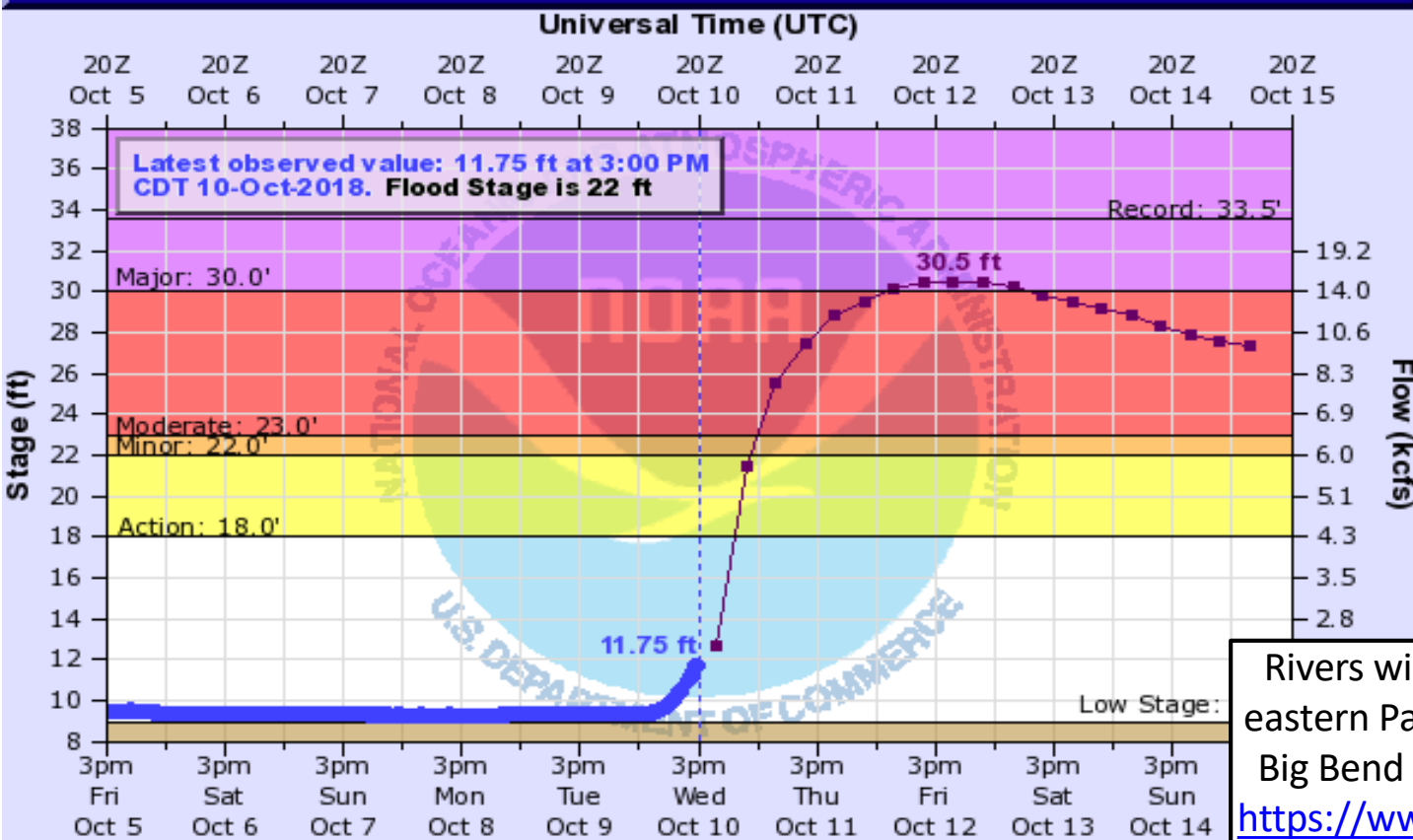
OCHLOCKONEE RIVER NEAR CONCORD (CR 12)



Rivers will begin to rise in the eastern Panhandle and western Big Bend due to rainfall totals.

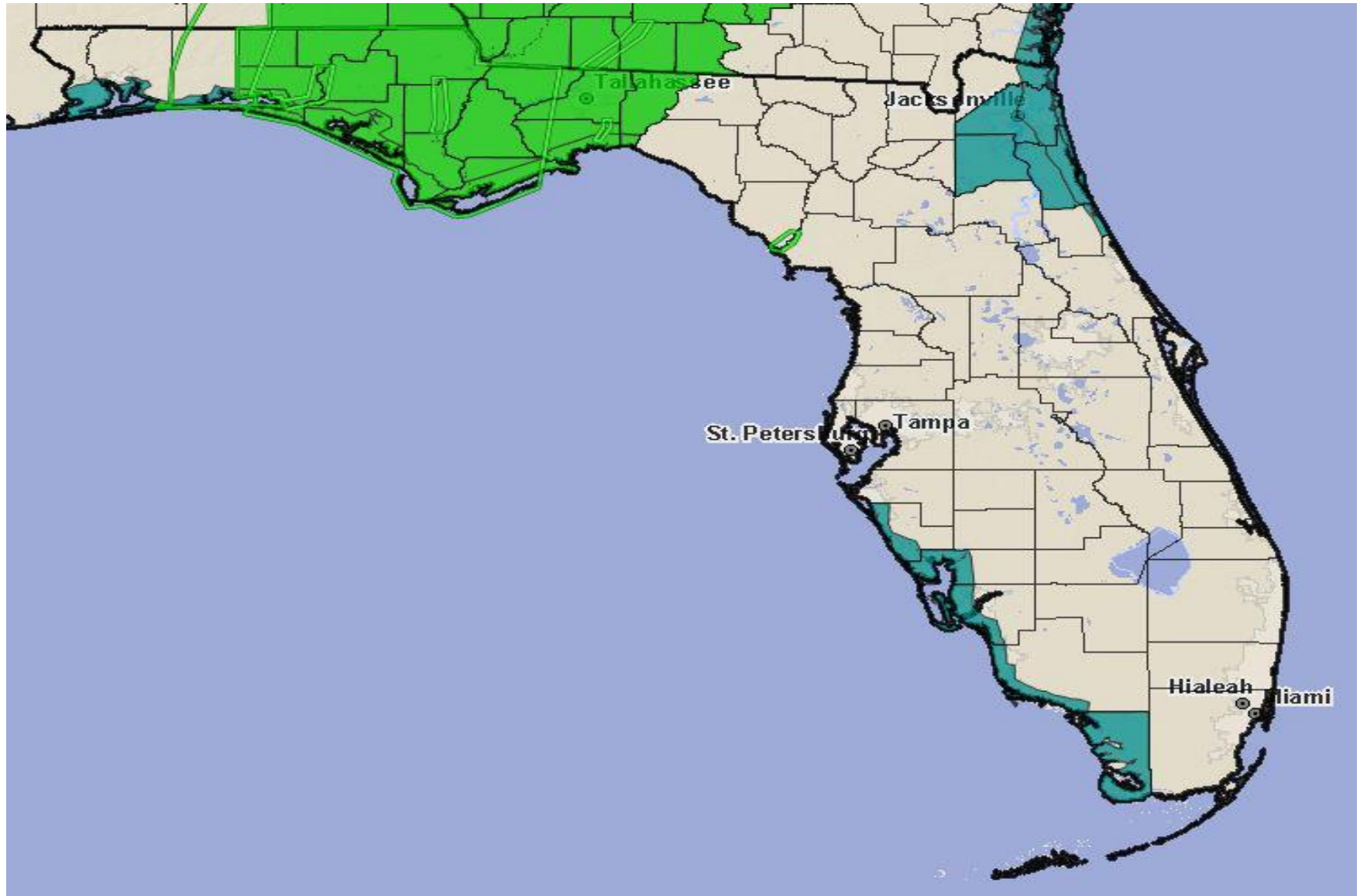
<https://www.weather.gov/serfc/>

CHIPOLA RIVER NEAR ALTHA (CR 274)



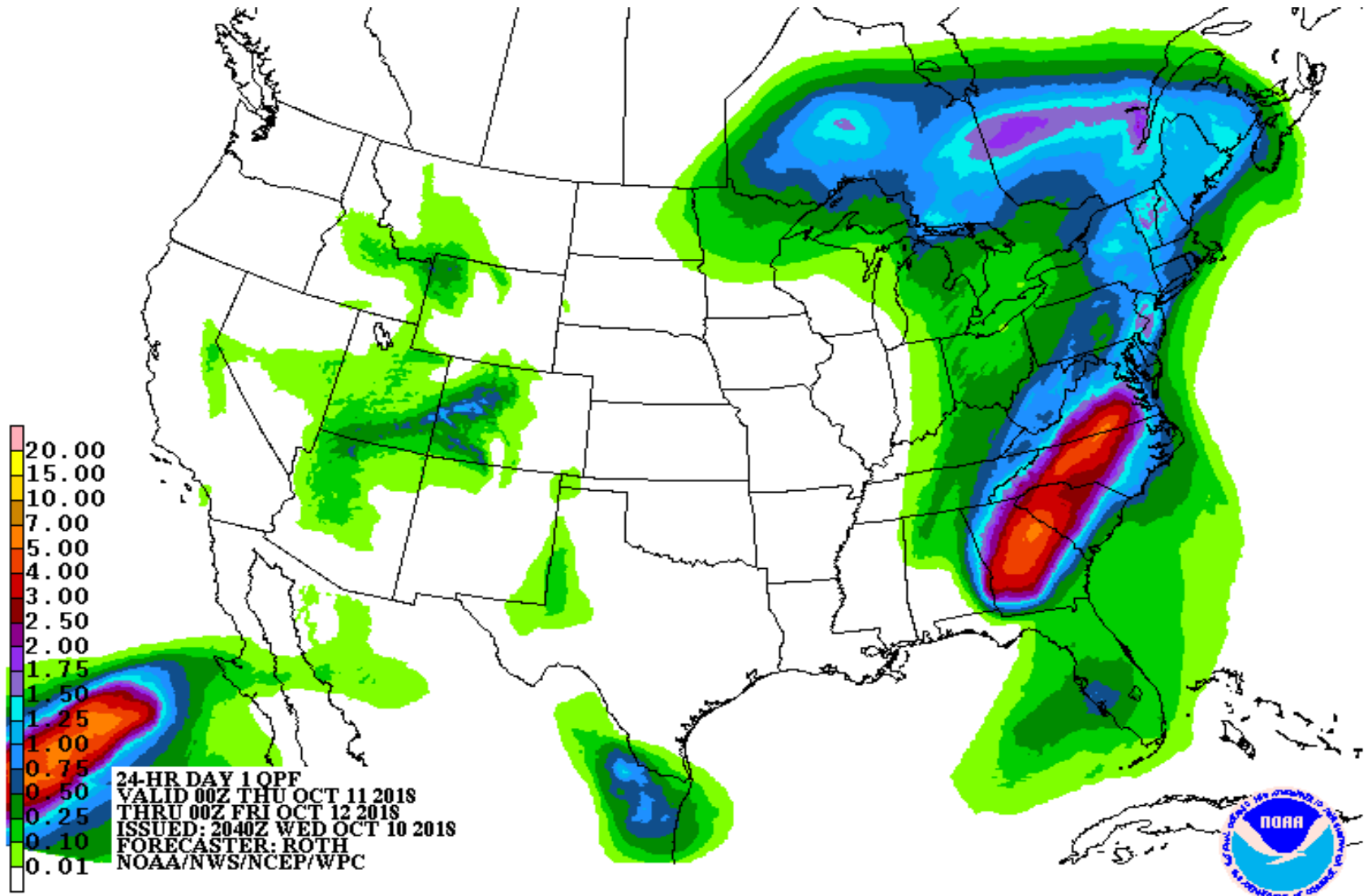
- 30 Major flood damage will occur.
- 28.5 Water will reach the highway 274 bridge and approach the road.
- 23 Water will start to affect houses and mobile homes in the flood plain downstream from the gage. A few fish camps downstream of highway 20 will be affected by flood water.
- 22 Minor lowland flooding will occur. Lamb Eddy Road near the boat ramp will flood.

Flash Flood Watch in effect
(light green shading) - Warnings are outlined



Forecast Cumulative Rain Totals – Next 24 Hours

Additional rainfall totals of 2-4" are expected over the next couple of hours in the eastern Panhandle and western Big Bend. However, additional Rainfall Totals After 8pm ET/7pm CT and through the day tomorrow will be an inch or less.



Severe Weather Outlook Wednesday, October 10, 2018

An isolated tornado threat will continue into the evening north of the I-4 corridor.



National Weather Service
Storm Prediction Center

<http://www.spc.noaa.gov>

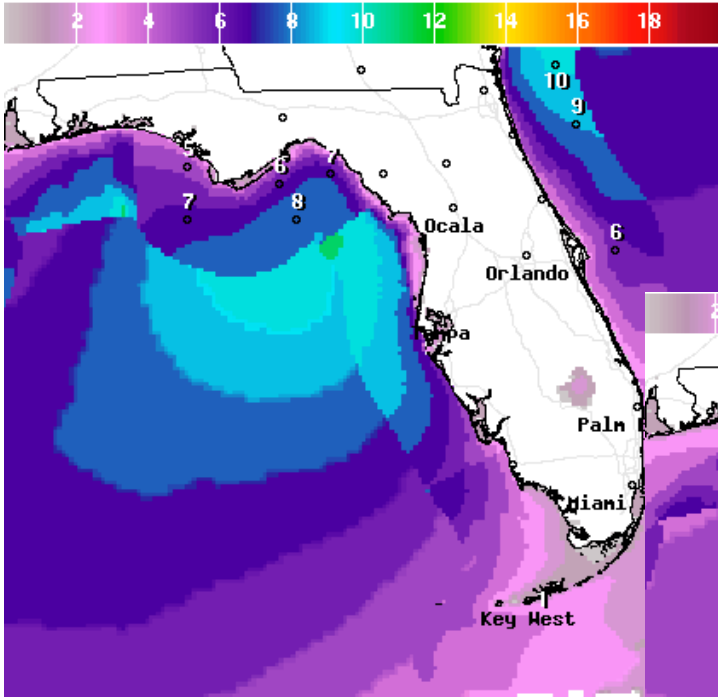
5	High
4	Moderate
3	Enhanced
2	Slight
1	Marginal
	Thunder

Tornado Watch in effect until 2am ET



Tornado Watch # 407 - Valid from 245 PM until 200 AM EDT

Forecast Wave Heights



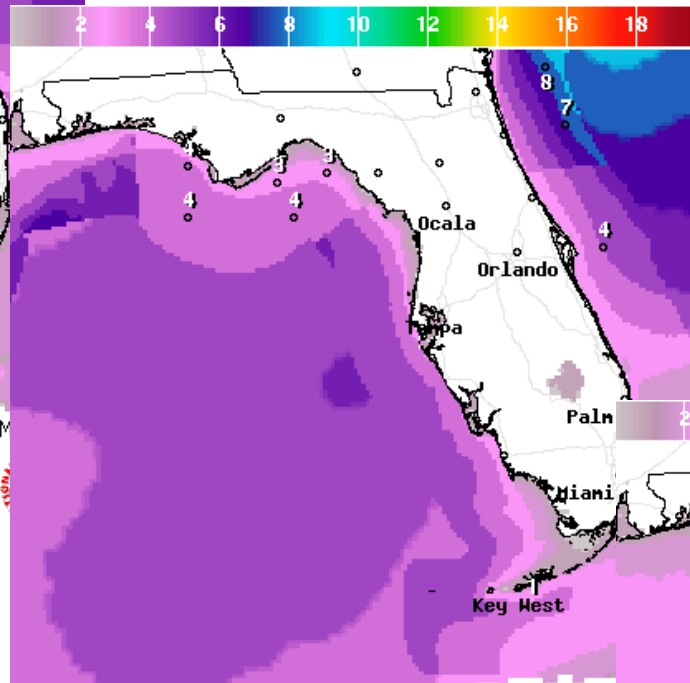
Wave Height(ft) Ending Thu Oct 11 2018 2AM

(Thu Oct 11 2018 06Z)

National Digital Forecast Database

20z issuance

Graphic created-Oct 10 4:52PM EDT



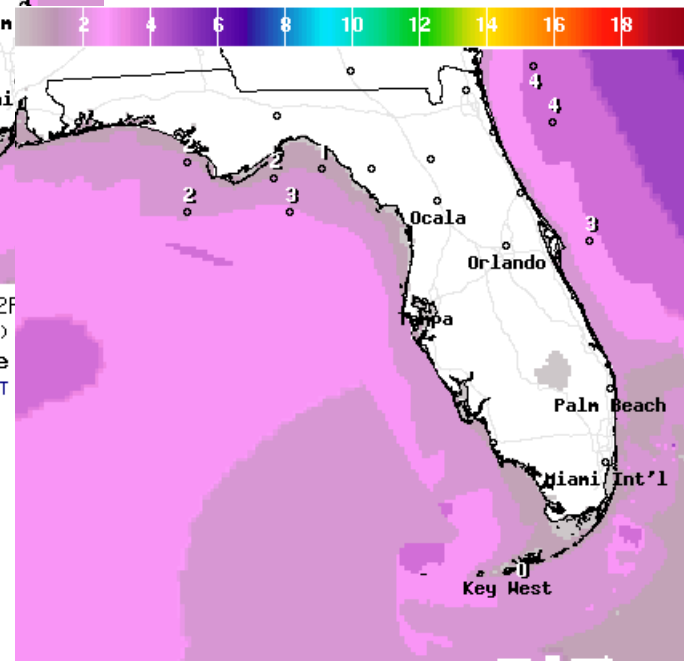
Wave Height(ft) Ending Thu Oct 11 2018 2P

(Thu Oct 11 2018 18Z)

National Digital Forecast Database

20z issuance

Graphic created-Oct 10 4:30PM EDT



Wave Height(ft) Ending Fri Oct 12 2018 2PM EDT

(Fri Oct 12 2018 18Z)

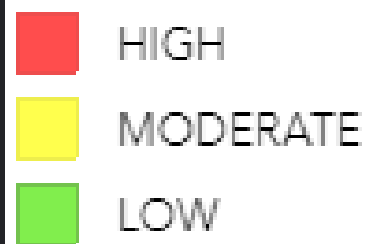
National Digital Forecast Database

20z issuance

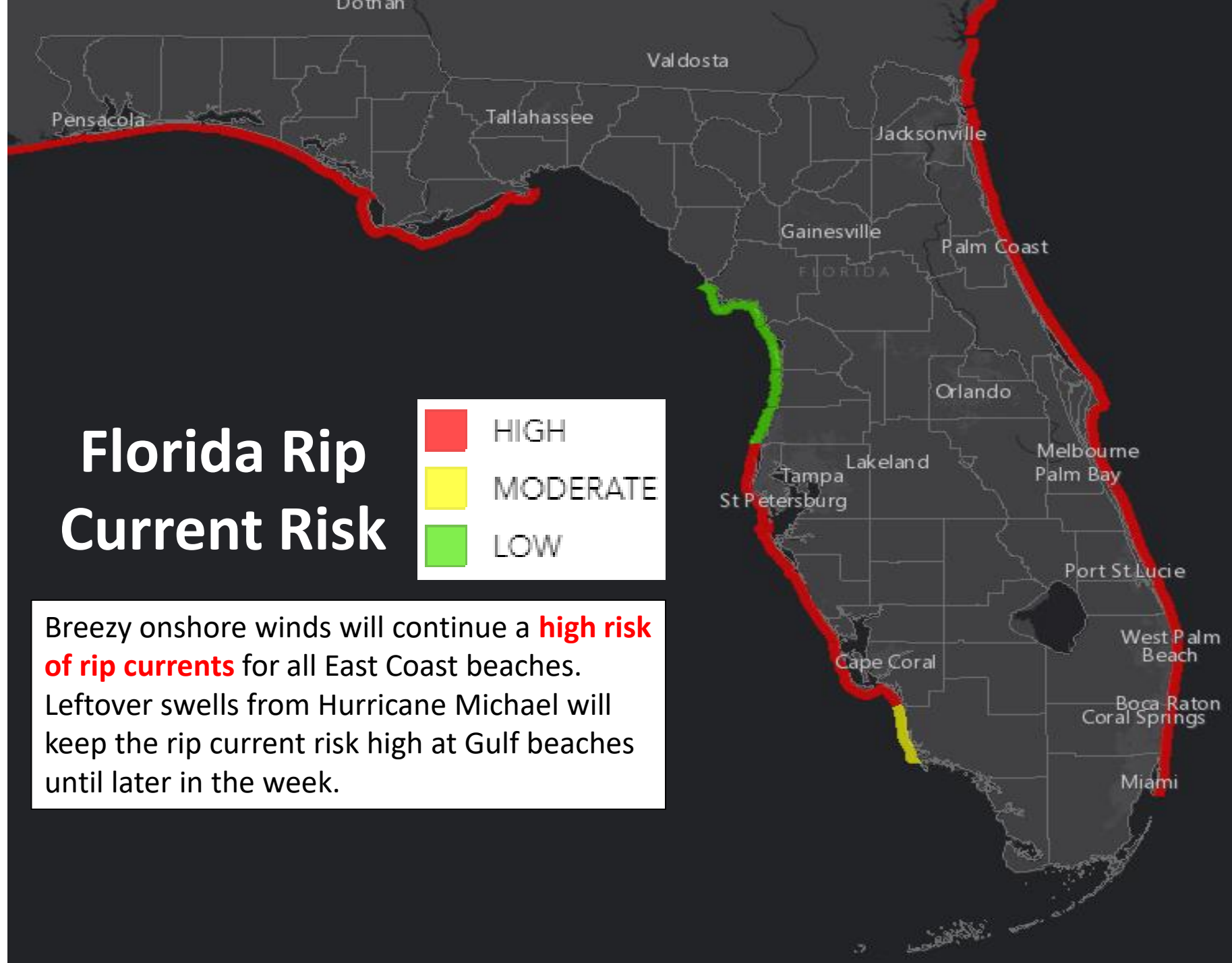
Graphic created-Oct 10 4:31PM EDT

Wave heights in the Gulf will return to normal by Friday morning.

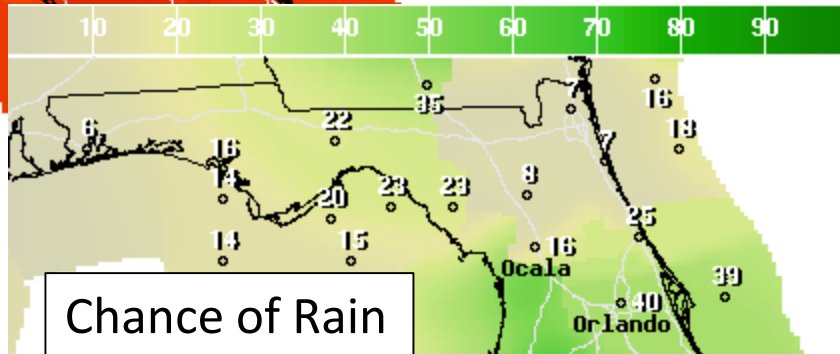
Florida Rip Current Risk



Breezy onshore winds will continue a **high risk of rip currents** for all East Coast beaches. Leftover swells from Hurricane Michael will keep the rip current risk high at Gulf beaches until later in the week.



Forecast - Thursday



(Fri Oct 12 2018 00Z)



Graphic created-Oct 10 4:27AM EDT



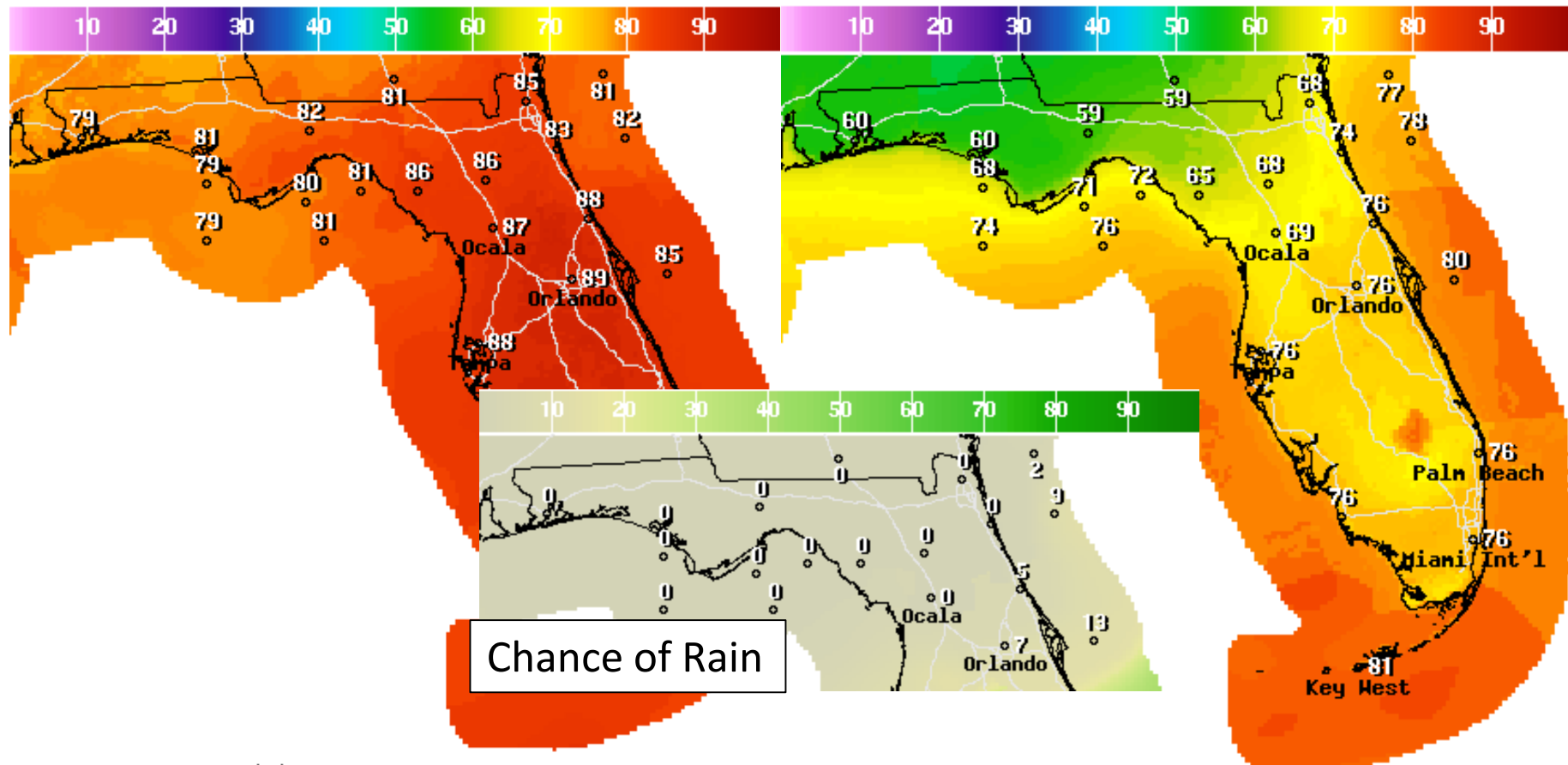
(Fri Oct 05 2018 12Z)



Graphic created-Oct 04 6:46AM EDT



Post-Storm High/Low Temperature Forecast - Friday



High Temperature(F) Ending Fri Oct 12 2018 8PM EDT

(Sat Oct 13 2018 00Z)



National Digital Forecast Database

08z issuance

Graphic created-Oct 10 4:27AM EDT



Low Temperature(F) Ending Fri Oct 12 2018 8AM EDT

(Fri Oct 12 2018 12Z)



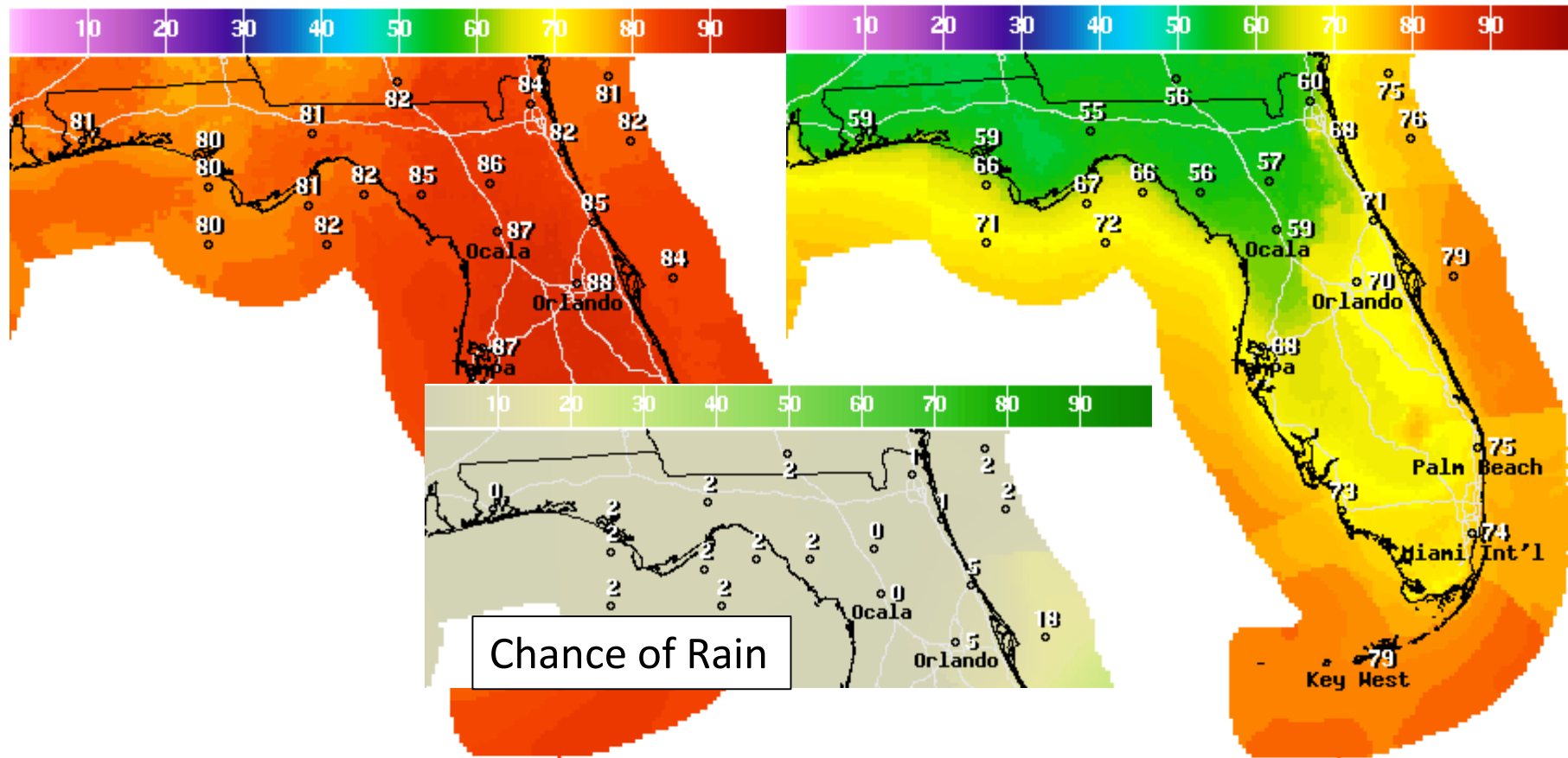
National Digital Forecast Database

08z issuance

Graphic created-Oct 10 4:27AM EDT



Post-Storm High/Low Temperature Forecast - Saturday



High Temperature(F) Ending Sat Oct 13 2018 8PM EDT

(Sun Oct 14 2018 00Z)



National Digital Forecast Database

06z issuance

Graphic created-Oct 10 2:31AM EDT



Low Temperature(F) Ending Sat Oct 13 2018 8AM EDT

(Sat Oct 13 2018 12Z)



National Digital Forecast Database

06z issuance

Graphic created-Oct 10 2:32AM EDT





Five-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida

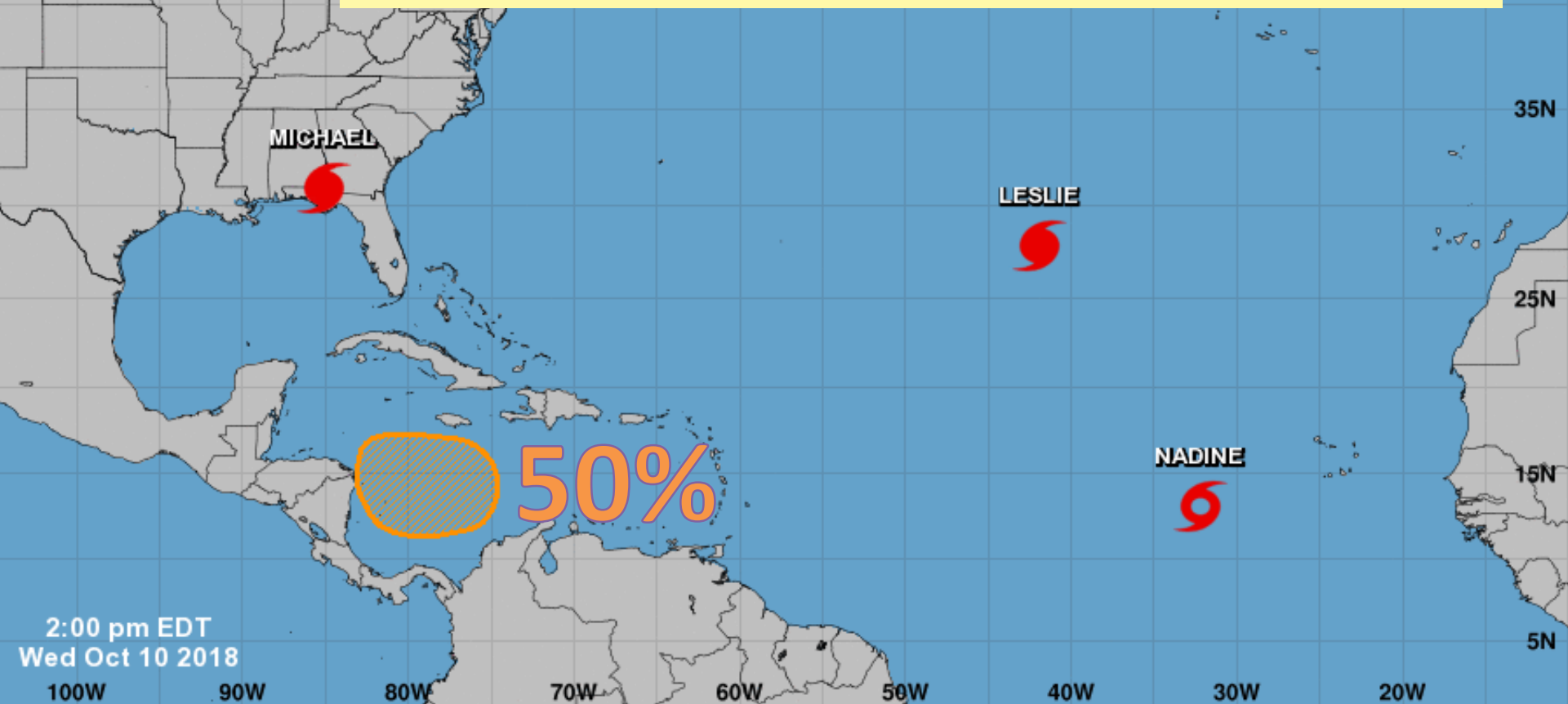


All Disturbances

1. An area of low pressure is expected to develop over the west-central Caribbean Sea in a day or two. Environmental conditions are expected to support gradual development and a tropical depression could form late this weekend or early next week while the system moves slowly westward. This system is no immediate threat to land and is forecast to move west into Central America.

* Formation chance through 48 hours...low...near 0 percent.

* Formation chance through 5 days...**medium**...50 percent.



2:00 pm EDT
Wed Oct 10 2018

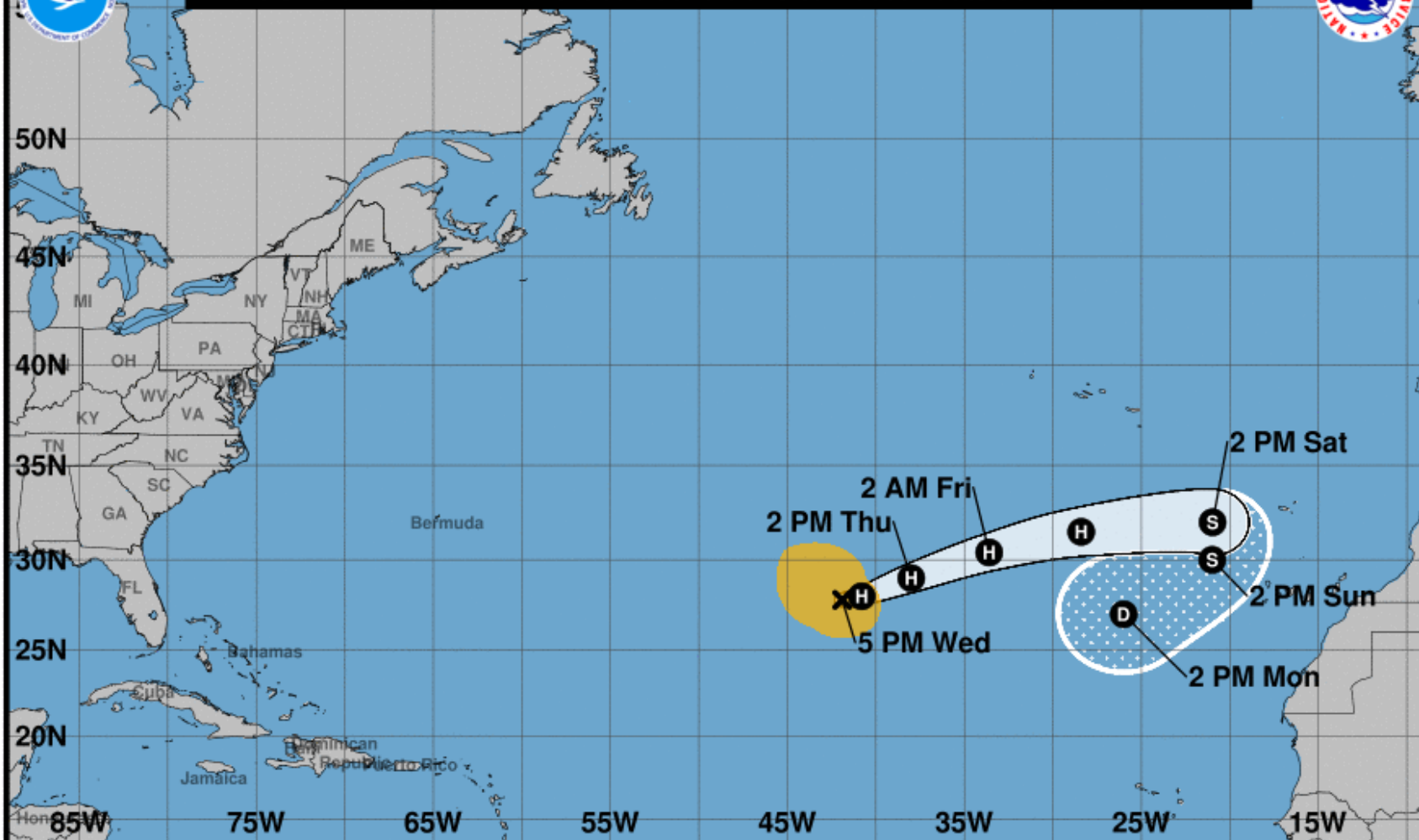
Current Disturbances and Five-Day Cyclone Formation Chance: < 40% 40-60% > 60%

Tropical or Sub-Tropical Cyclone: Depression Storm Hurricane

Post-Tropical Cyclone or Remnants



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.



Hurricane Leslie

Wednesday October 10, 2018

5 PM AST Advisory 58

NWS National Hurricane Center

Current information: x

Center location 27.8 N 41.9 W

Maximum sustained wind 75 mph

Movement E at 6 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:

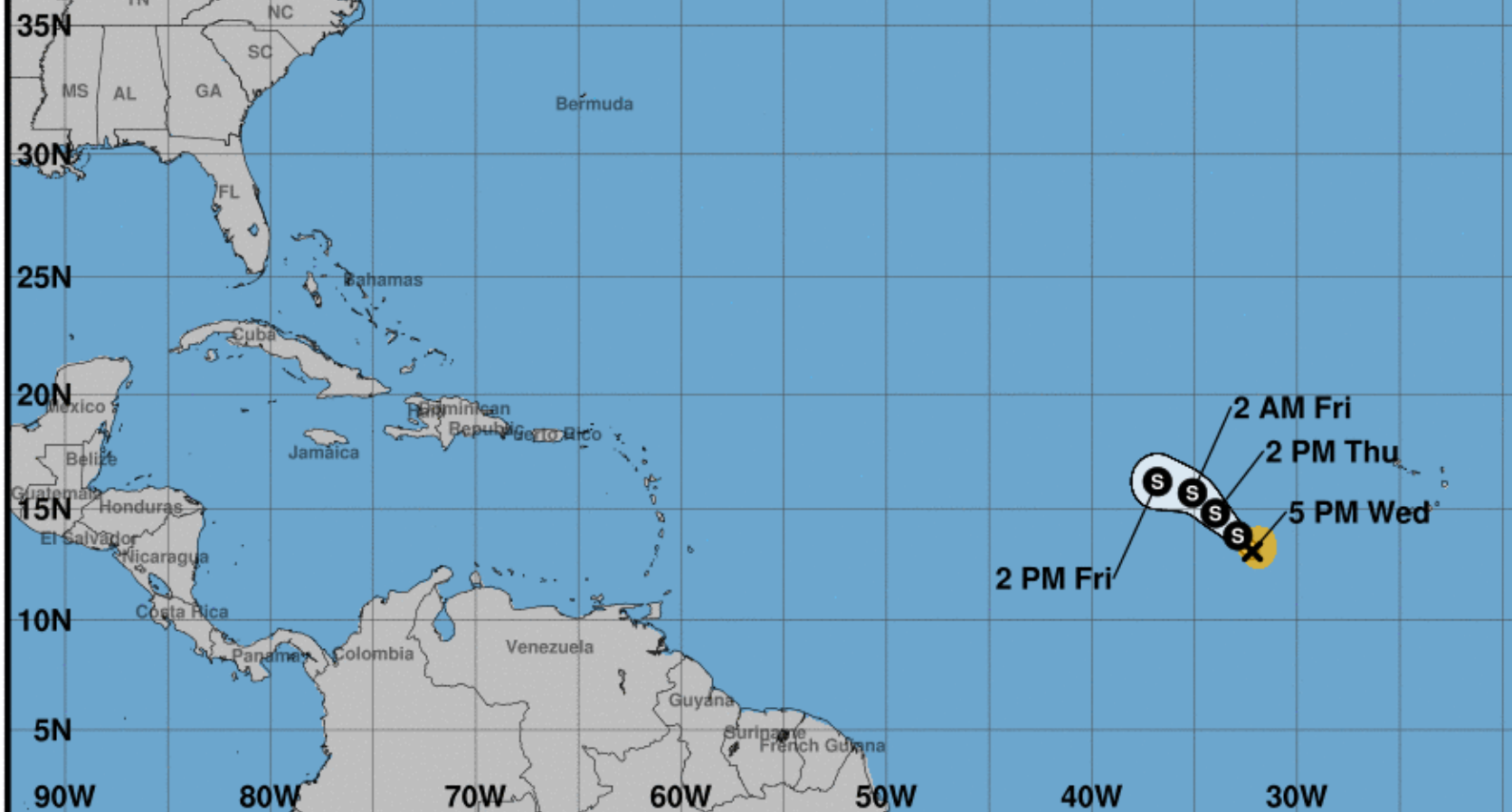
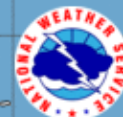
Hurricane Trop Stm

Current wind extent:

Hurricane Trop Stm



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.



Tropical Storm Nadine

Wednesday October 10, 2018

5 PM AST Advisory 7

NWS National Hurricane Center

Current information: x

Center location 13.1 N 32.2 W

Maximum sustained wind 65 mph

Movement NW at 8 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

Summary

Hurricane Leslie:

- Leslie is a low-end Category 1 hurricane with maximum sustained winds of 75 mph, moving east at 6mph
- Leslie could approach Category 2 as it passes south of the Azores.

Tropical Storm Nadine:

- Tropical Storm Nadine is located in the eastern Atlantic Ocean with maximum sustained winds near 65 mph.
- Some additional strengthening is forecast over the 24 hours while moving northwest, but is forecast to dissipate this weekend over the open waters.

Hurricane Michael:

- At 5pm EDT Tuesday, Hurricane Michael was located about 30 miles west of Bainbridge, GA and moving to the north-northeast at 16 mph.
- Michael made landfall just northwest of Mexico Beach at 1230 pm CDT as a 155 mph category 4 hurricane, making it the first category 4 landfall in the Florida Panhandle in recorded history.
- Maximum sustained winds have now decreased to 125 mph, a Category 3 on the Saffir-Simpson Hurricane Wind Scale.
- Michael will continue to weaken as it races to the northeast into the Carolinas.
- Tropical storm force winds extend up to 160 miles from the center and hurricane force winds extending up to 40 miles from the center.

Florida Outlook:

- All watches have been cancelled for Escambia, Okaloosa, and Santa Rosa County.
- Hurricane warnings continues for the rest of the evening from Walton to Jefferson County. Tropical Storm warnings continue for the Suwannee River Valley.
- All tropical storm watches and warnings have been cancelled for the Nature Coast and Tampa Bay.
- **Storm Surge Warnings** continue between the Walton/Okaloosa border eastward to the Anclote River. Water levels have peaked, but will remain elevated through the evening.
- Tyndall Air Force Base FL to Aucilla River FL...5-10 ft, Okaloosa/Walton County Line FL to Tyndall Air Force Base...3-5 ft, Aucilla River FL to Chassahowitzka FL...4-6 ft, Chassahowitzka to Anclote River FL...2-4 ft
- Additional rainfall totals in the eastern Panhandle and western Big Bend of 1-3" this evening, but after midnight additional rainfall totals will be less than an inch.
- A tornado watch remains in effect through 2am for the Big Bend and Northeast Florida. The threat will shift out of the Big Bend and will linger into Northeast Florida for this evening.
- Rip current risk remains high at all locations.
- Tropical Storm Nadine is not expected to impact Florida and will dissipate.
- A tropical wave in the central Caribbean poses no immediate threat to Florida as it is forecast to move west into Central America.

Another briefing packet will be issued tomorrow 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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