



# **TROPICAL UPDATE**

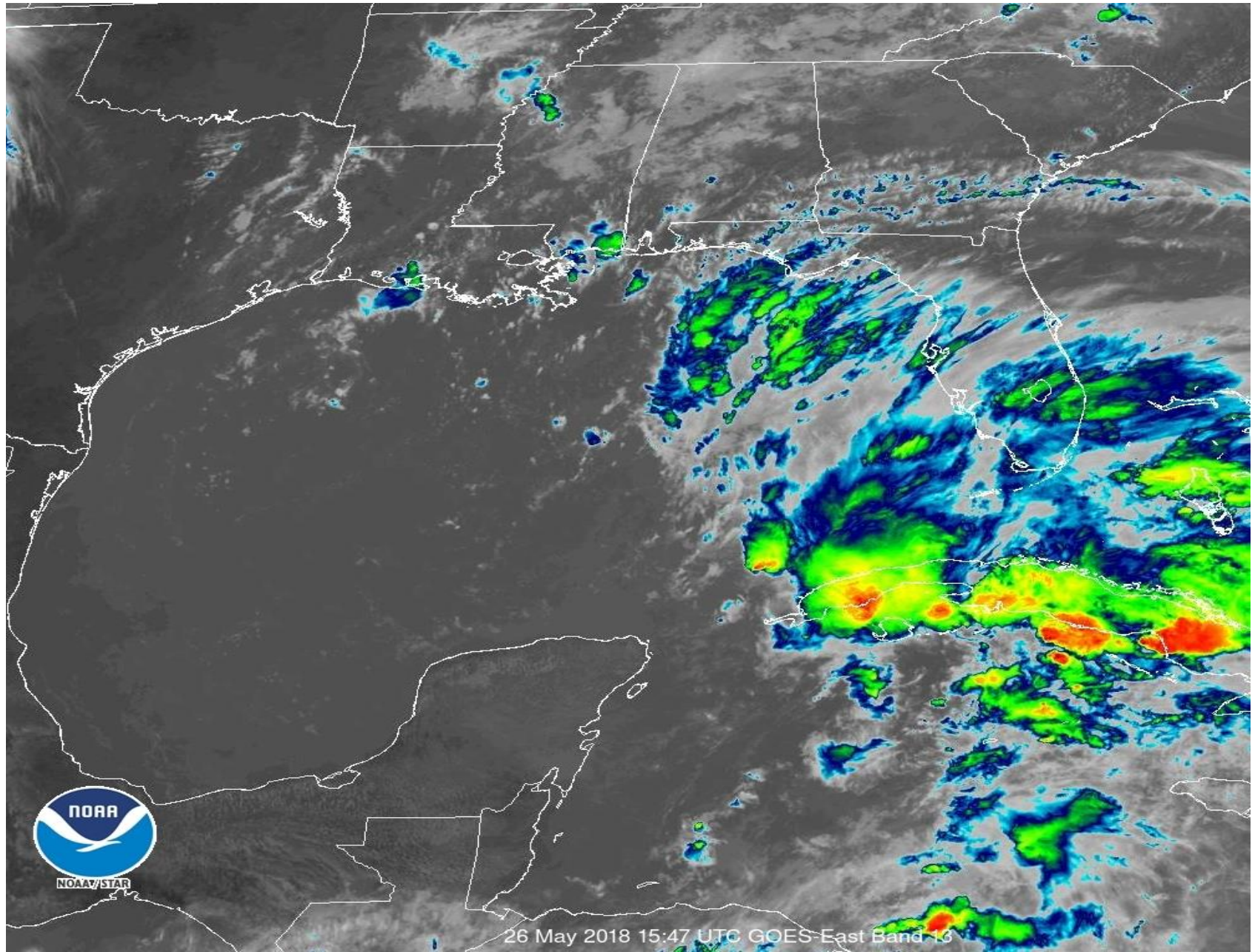
**5 PM EDT**

**Sunday, May 27, 2018**

**Sub-Tropical Storm Alberto**

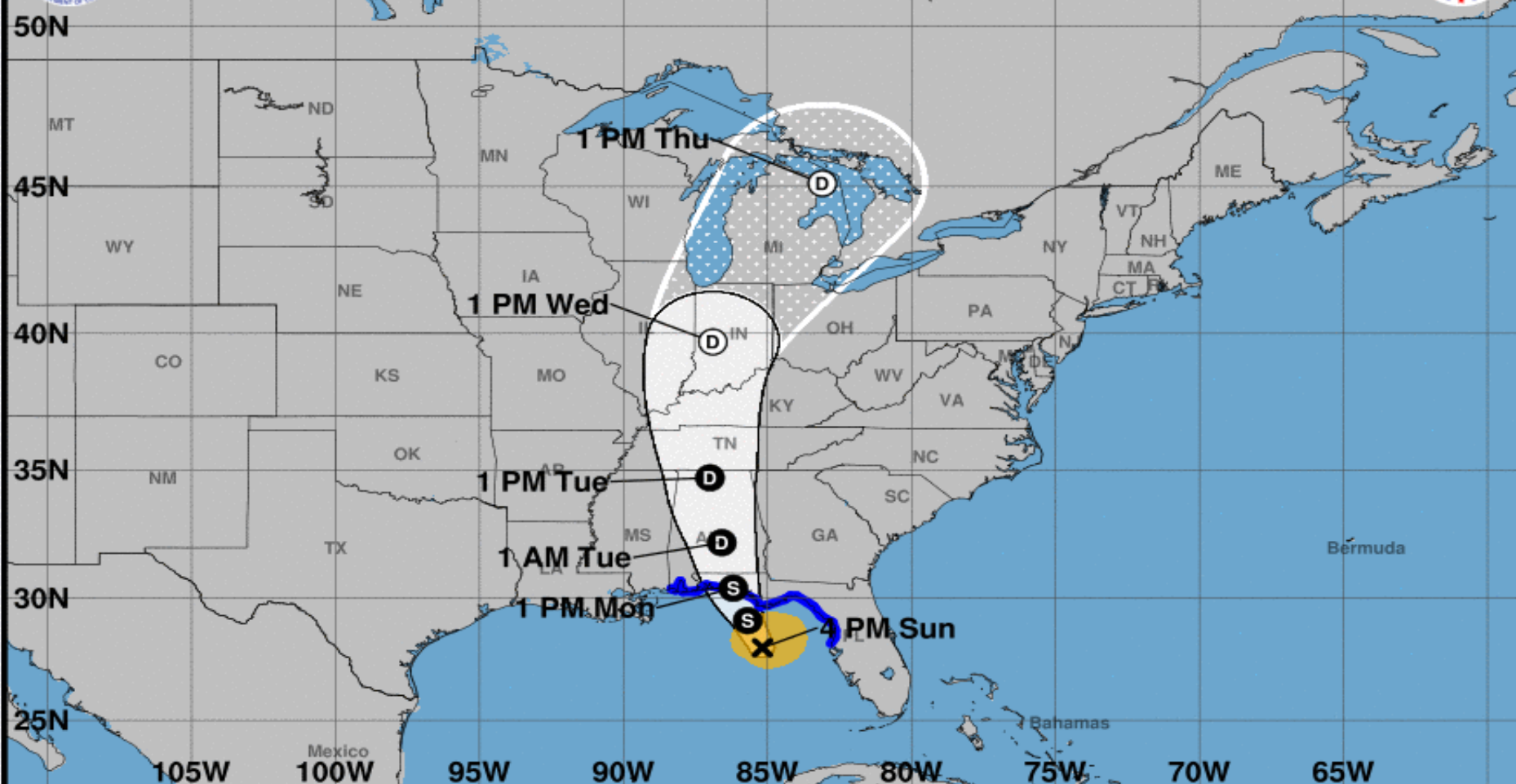
**This update is intended for government and emergency response officials, and is provided for informational and situational awareness purposes only. Forecast conditions are subject to change based on a variety of environmental factors. For additional information, or for any life safety concerns with 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](http://www.nhc.noaa.gov).**

# Caribbean / Gulf of Mexico Satellite Image





**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.**



### Subtropical Storm Alberto

Sunday May 27, 2018

4 PM CDT Advisory 10

NWS National Hurricane Center

### Current information: x

Center location 28.0 N 85.2 W

Maximum sustained wind 50 mph

Movement NNW at 12 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:

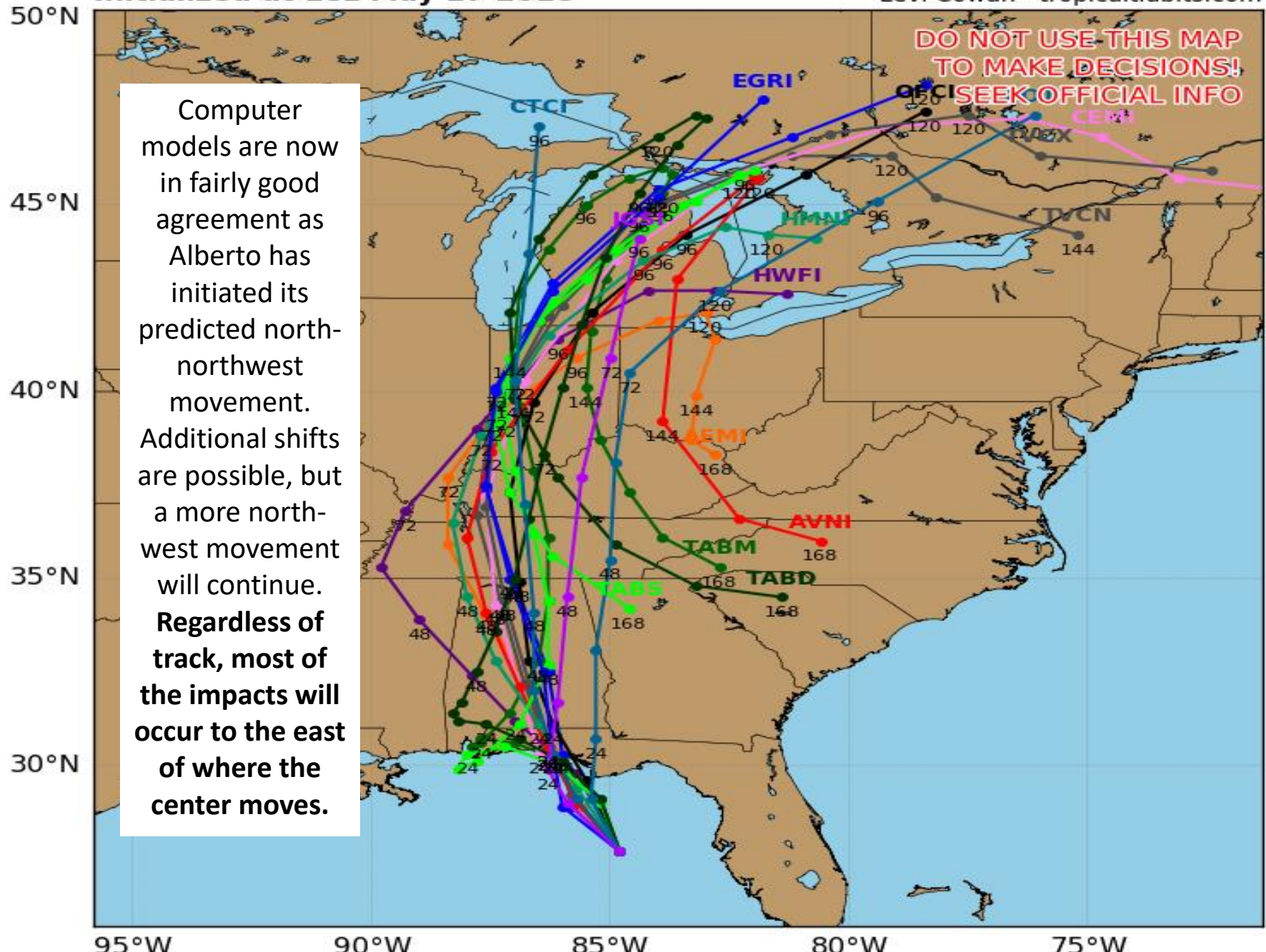
Hurricane Trop Stm



# Subtropical Storm ALBERTO Model Track Guidance

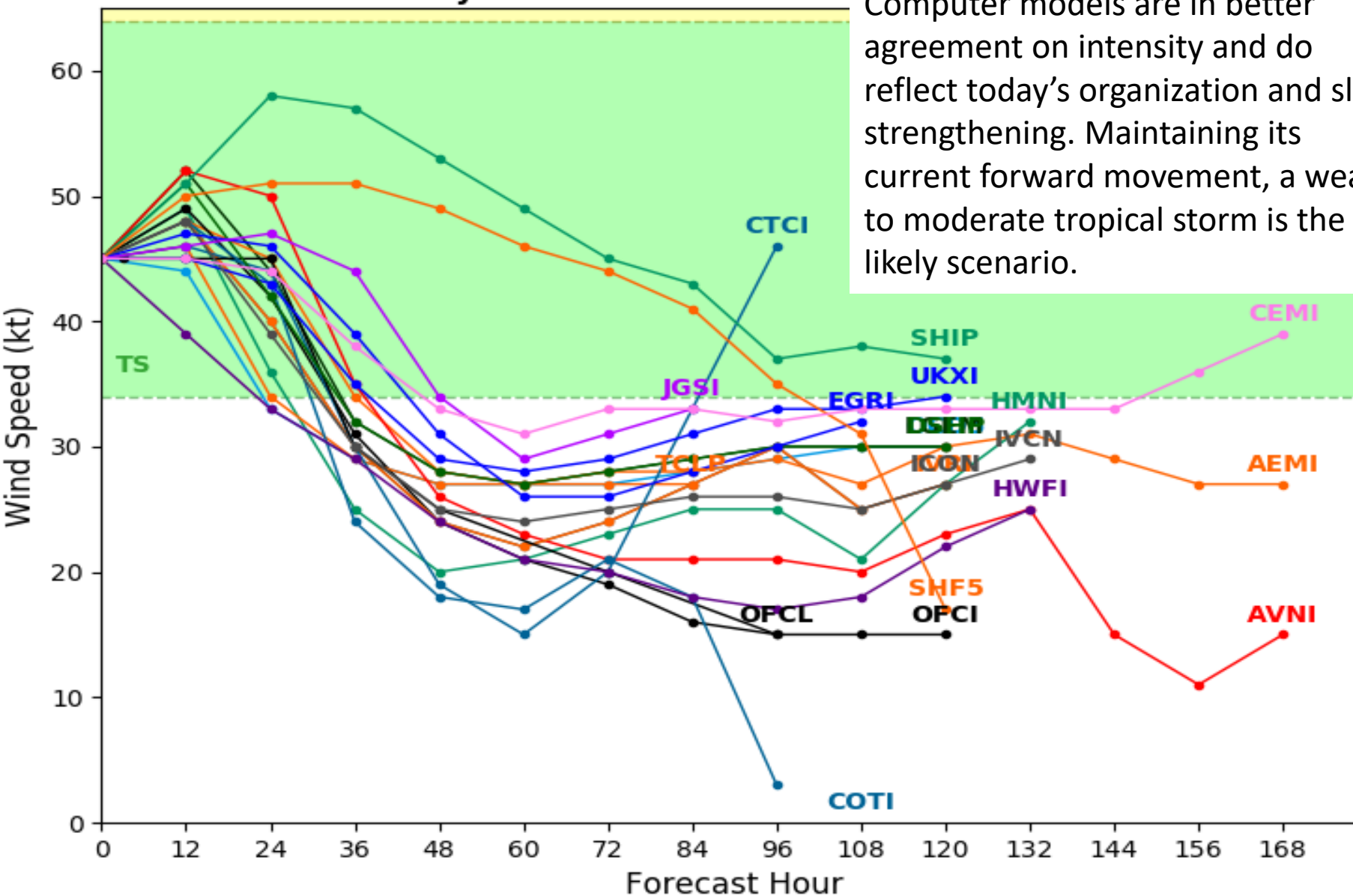
Initialized at 18z May 27 2018

Levi Cowan - tropicaltidbits.com

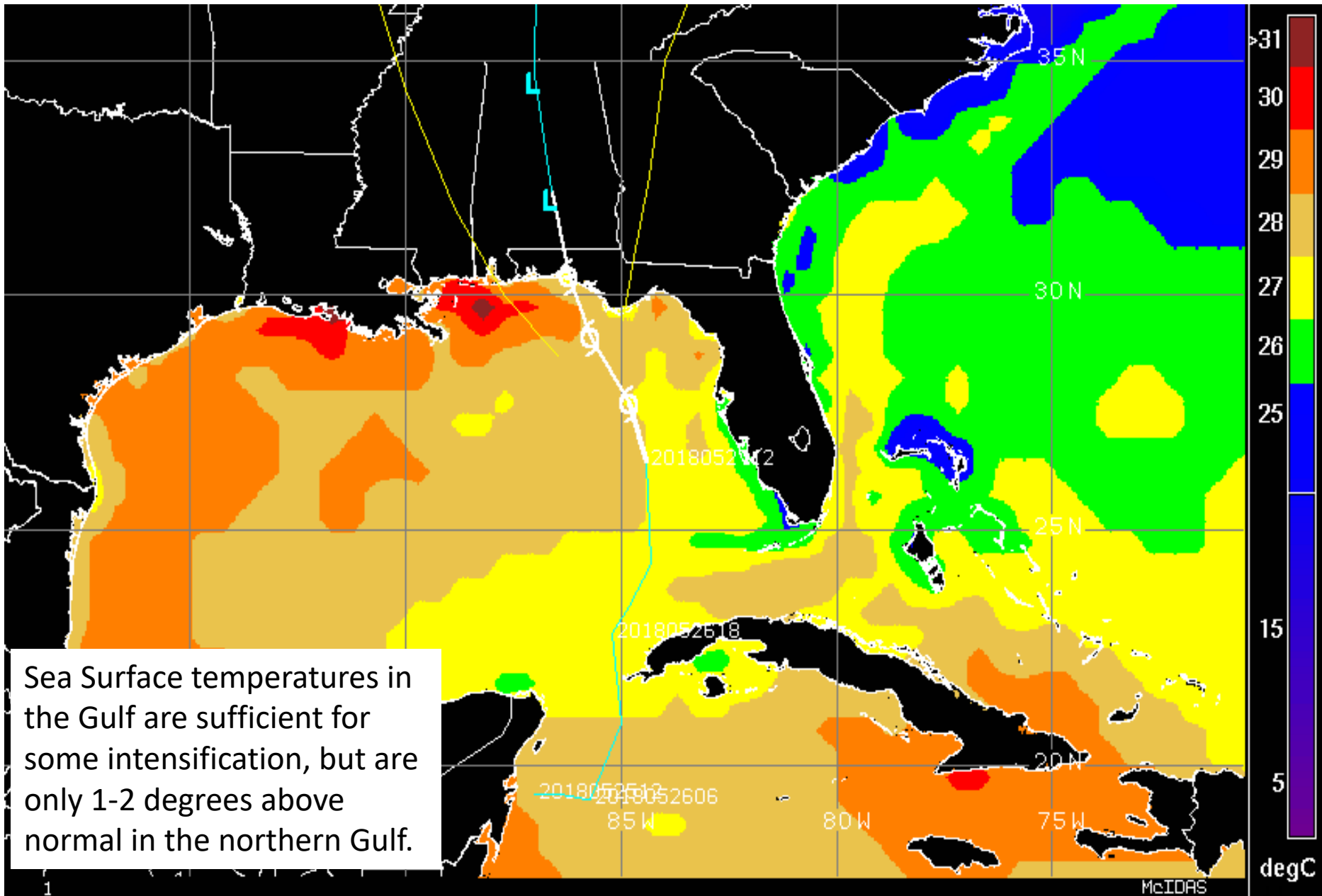


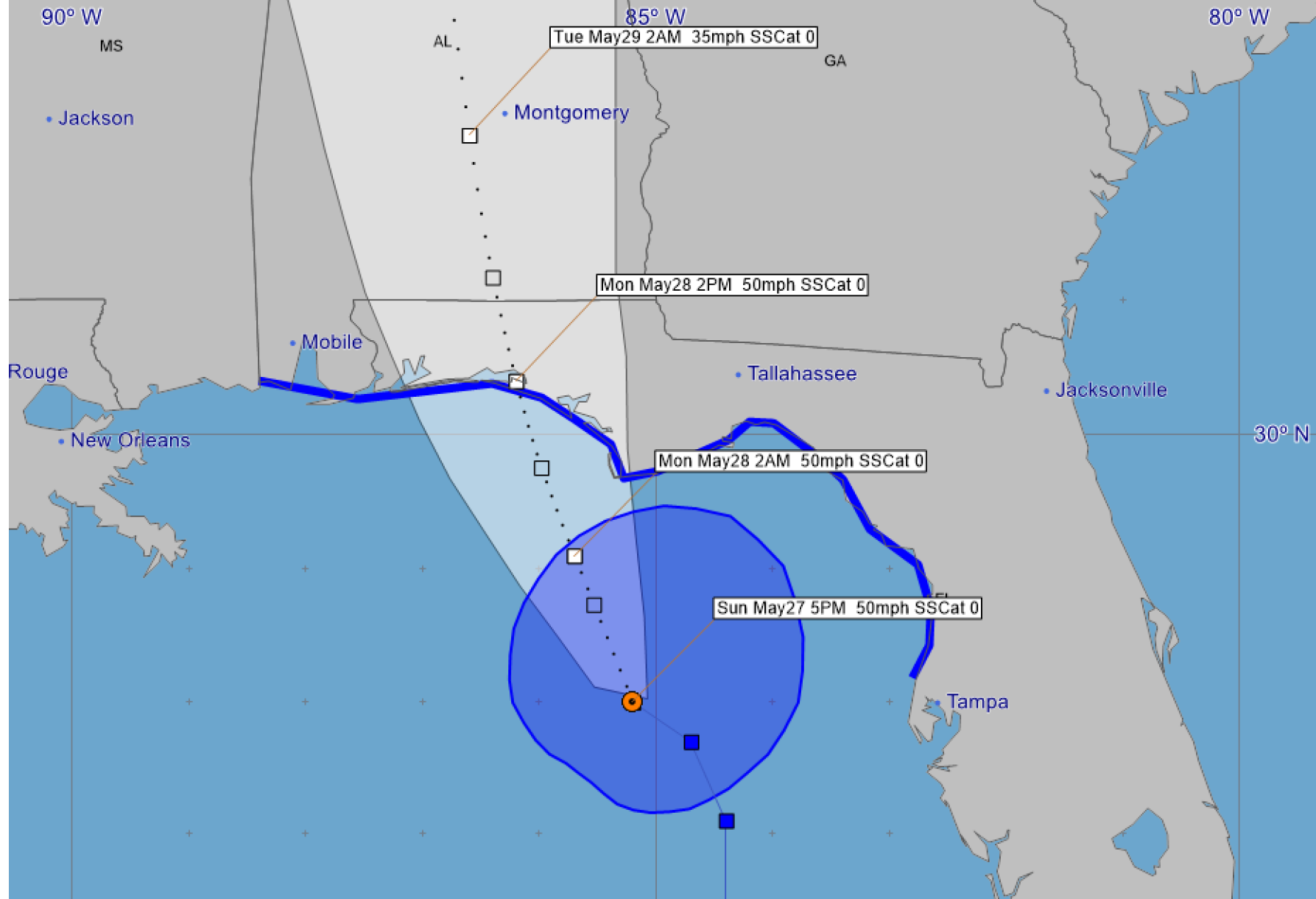
## Subtropical Storm ALBERTO Model Intensity Guidance

Computer models are in better agreement on intensity and do reflect today's organization and slight strengthening. Maintaining its current forward movement, a weak to moderate tropical storm is the likely scenario.



# Current Sea Surface Temperatures





# Subtropical Storm Alberto - Sunday, May 27, 2018 5 PM EDT Advisory #10

● Center Location: 28 N 85.2 W Maximum Sustained Winds: 50 mph Movement: 12 mph NNW

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

Watches: ■ hurricane    ■ tropical storm

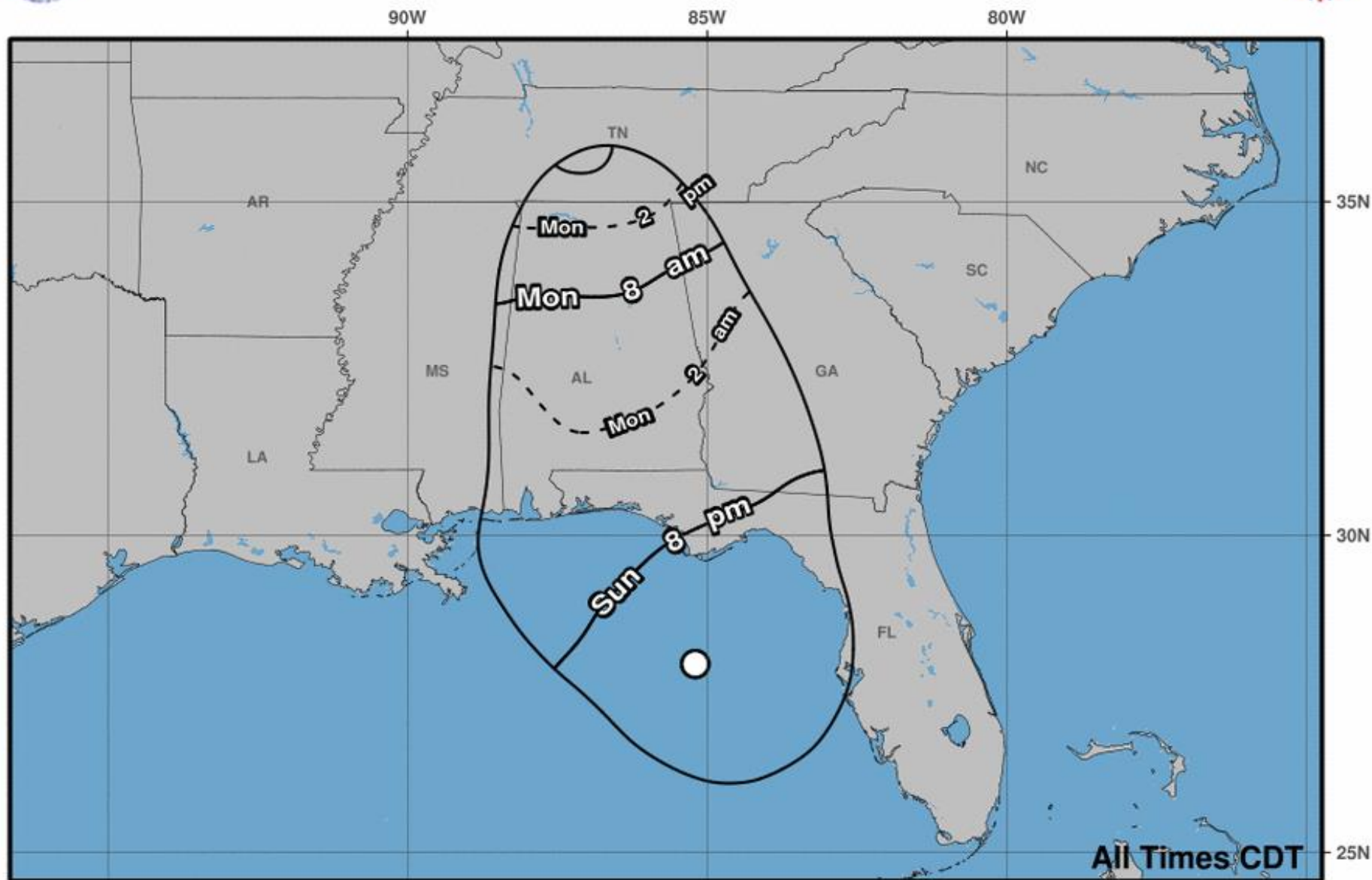
Warnings: ■ hurricane    ■ tropical storm

Sustained Wind Speeds: ■ tropical storm  $\geq$  34kt/39mph    ■ strong tropical storm  $\geq$  50kt/58mph    ■ hurricane  $\geq$  64kt/74mph





# Earliest Reasonable Arrival Time of Tropical-Storm-Force Winds



**Subtropical Storm Alberto**  
**Sun. May. 27, 2018 4 pm CDT**  
**Advisory 10**

Storm Location & Wind Speed  
○ < 34 kt (39 mph)  
○ 34-63 kt (39-73 mph)  
● ≥ 64 kt (74 mph)

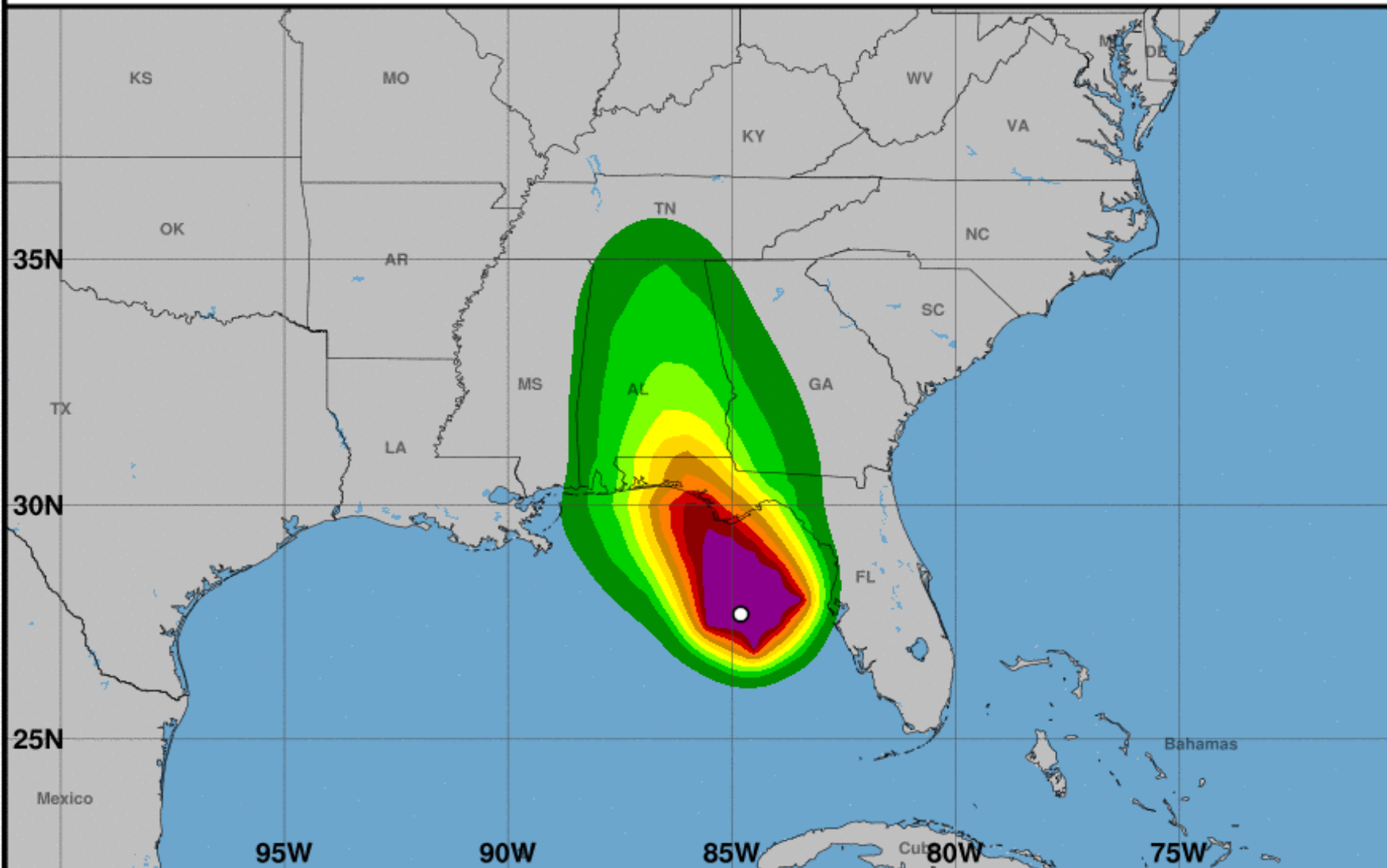
**NOTE:** Areas within the outermost black contour have at least a 5% chance of receiving winds of 34+ kt (39+ mph)





# Tropical-Storm-Force Wind Speed Probabilities (Preliminary)

For the 120 hours (5.0 days) from 1 PM CDT SUN MAY 27 to 1 PM CDT FRI JUN 01



Probability of tropical-storm-force winds (1-minute average  $\geq 39$  mph) from all tropical cyclones

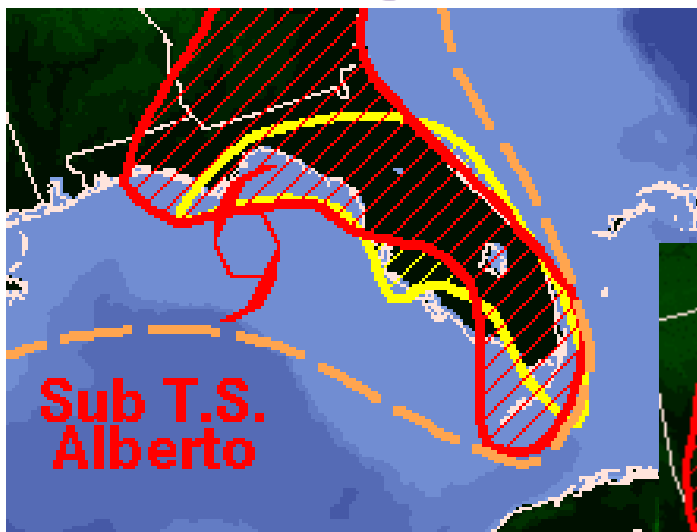
○ indicates Subtropical Storm Alberto center location at 1 PM CDT SUN MAY 27, 2018 (Forecast/Advisory #10)



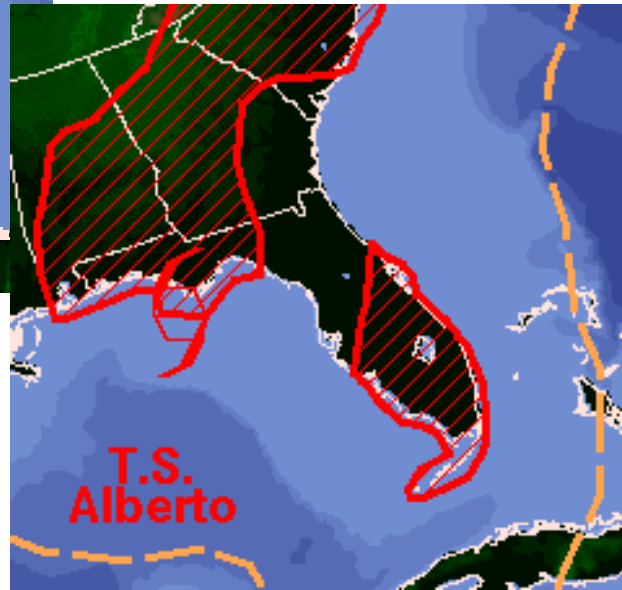
# Forecast Weather Map – This Weekend

## Tonight

Alberto will affect all of Florida tonight and tomorrow. Conditions will improve across the Peninsula beginning Tuesday, but storms are expected to linger through Tuesday for the Panhandle.



## Monday

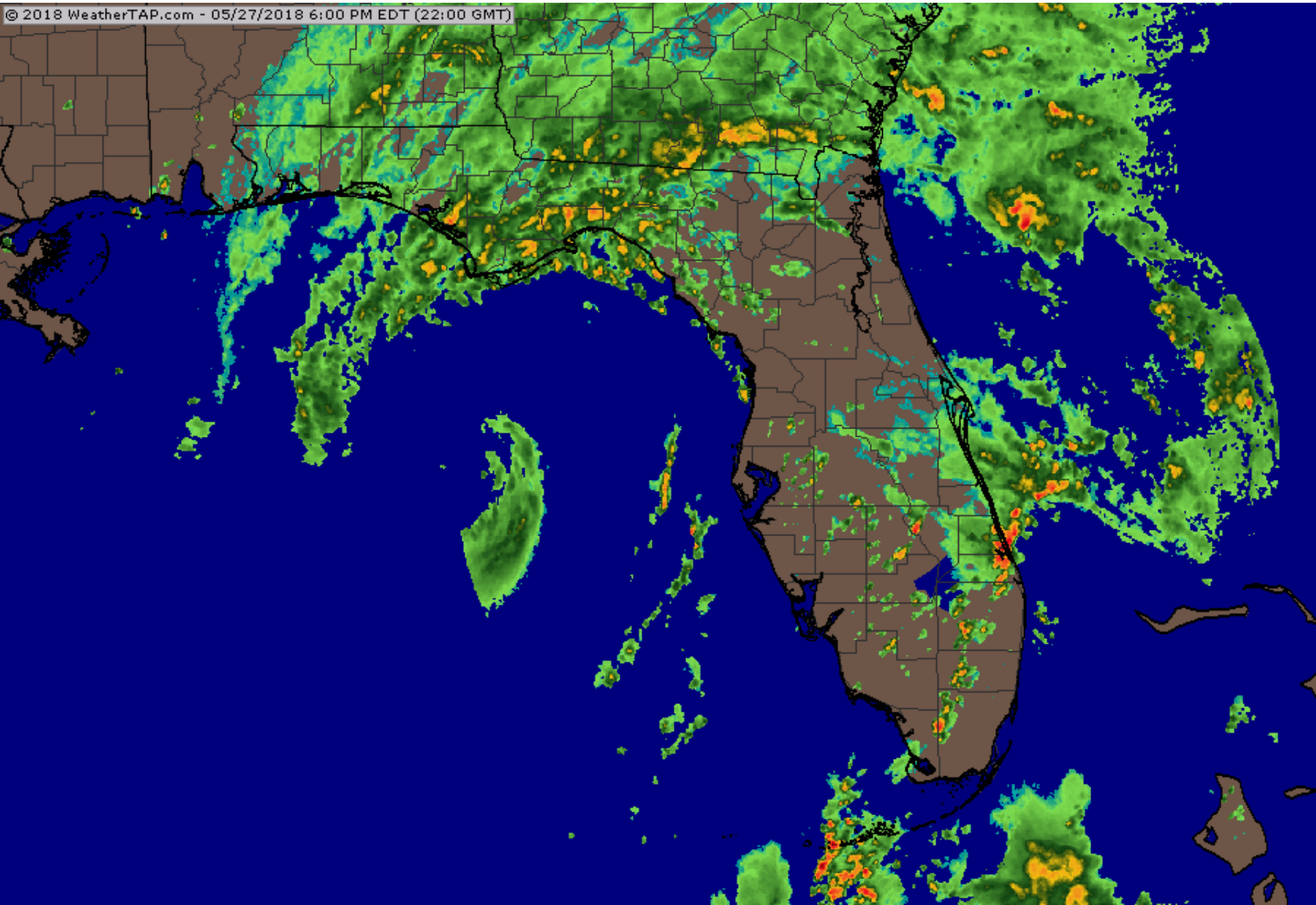


## Tuesday



# Current Radar as of 6:00 PM

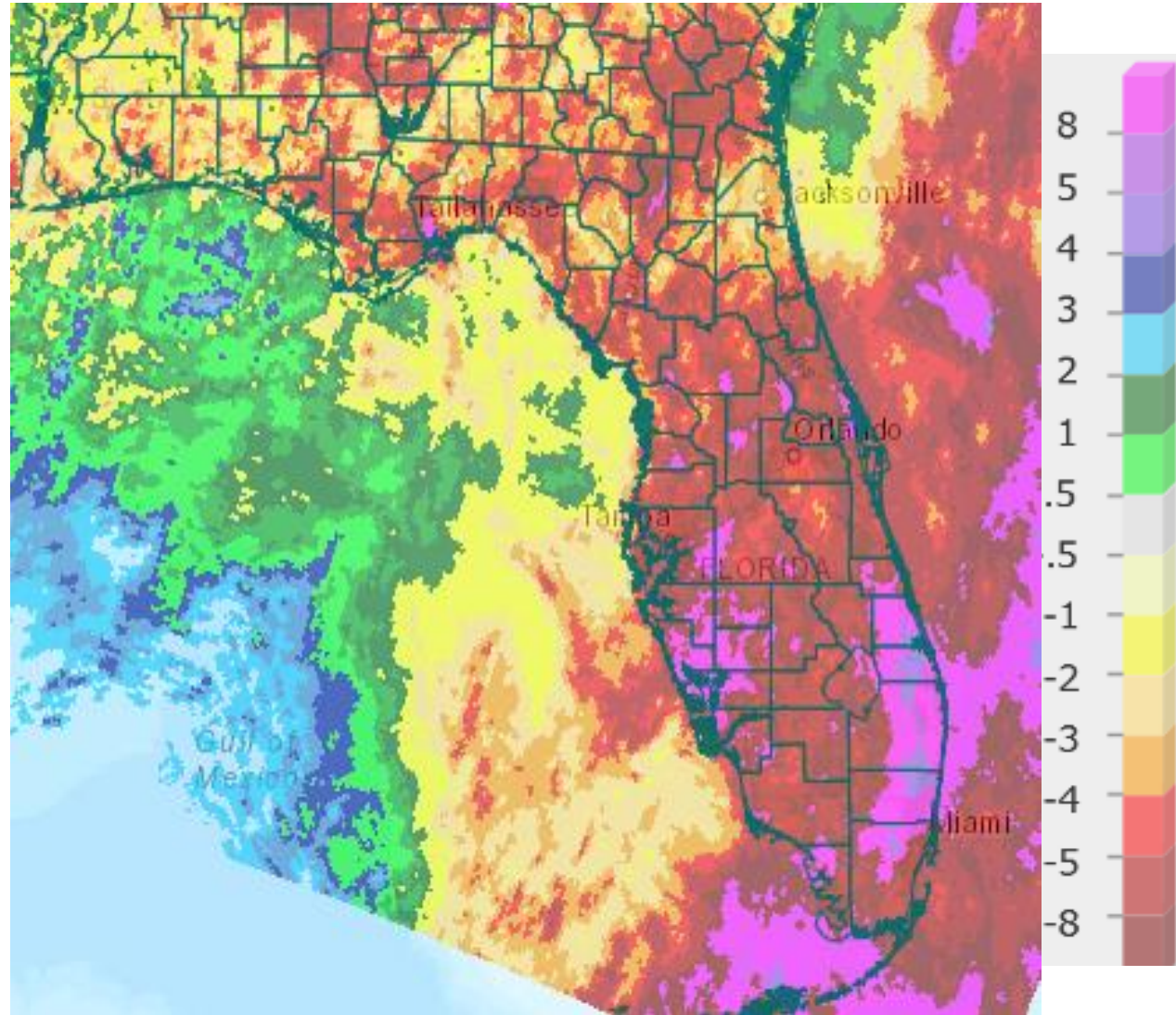
© 2018 WeatherTAP.com - 05/27/2018 6:00 PM EDT (22:00 GMT)

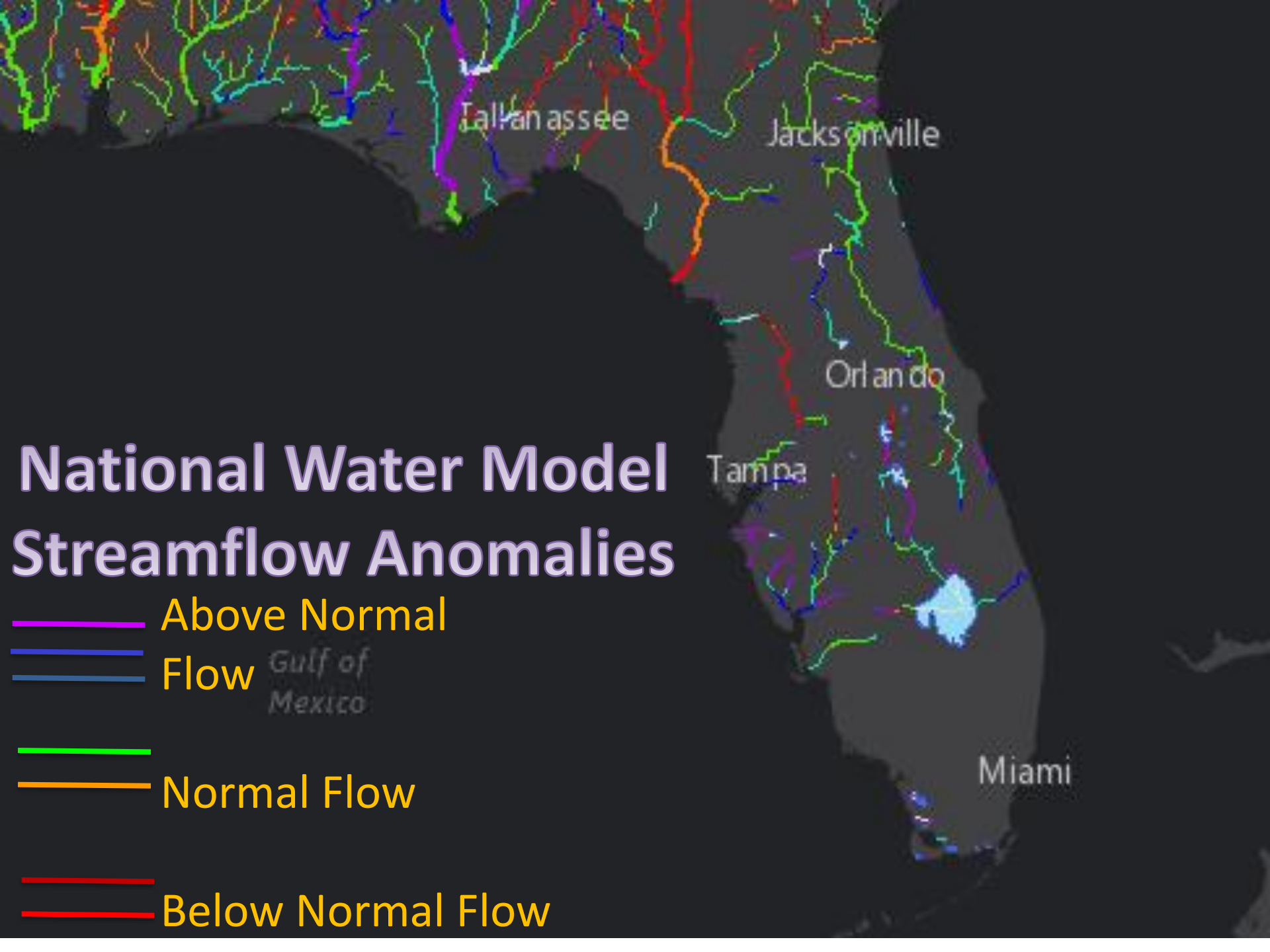




# Rainfall Anomalies Over Past 14 Days

All of Florida has had above normal rainfall over the past 2 weeks, with well above normal rainfall observed in the Peninsula. This results in saturated grounds that will reduce the amount of time and rain needed to create flood conditions.

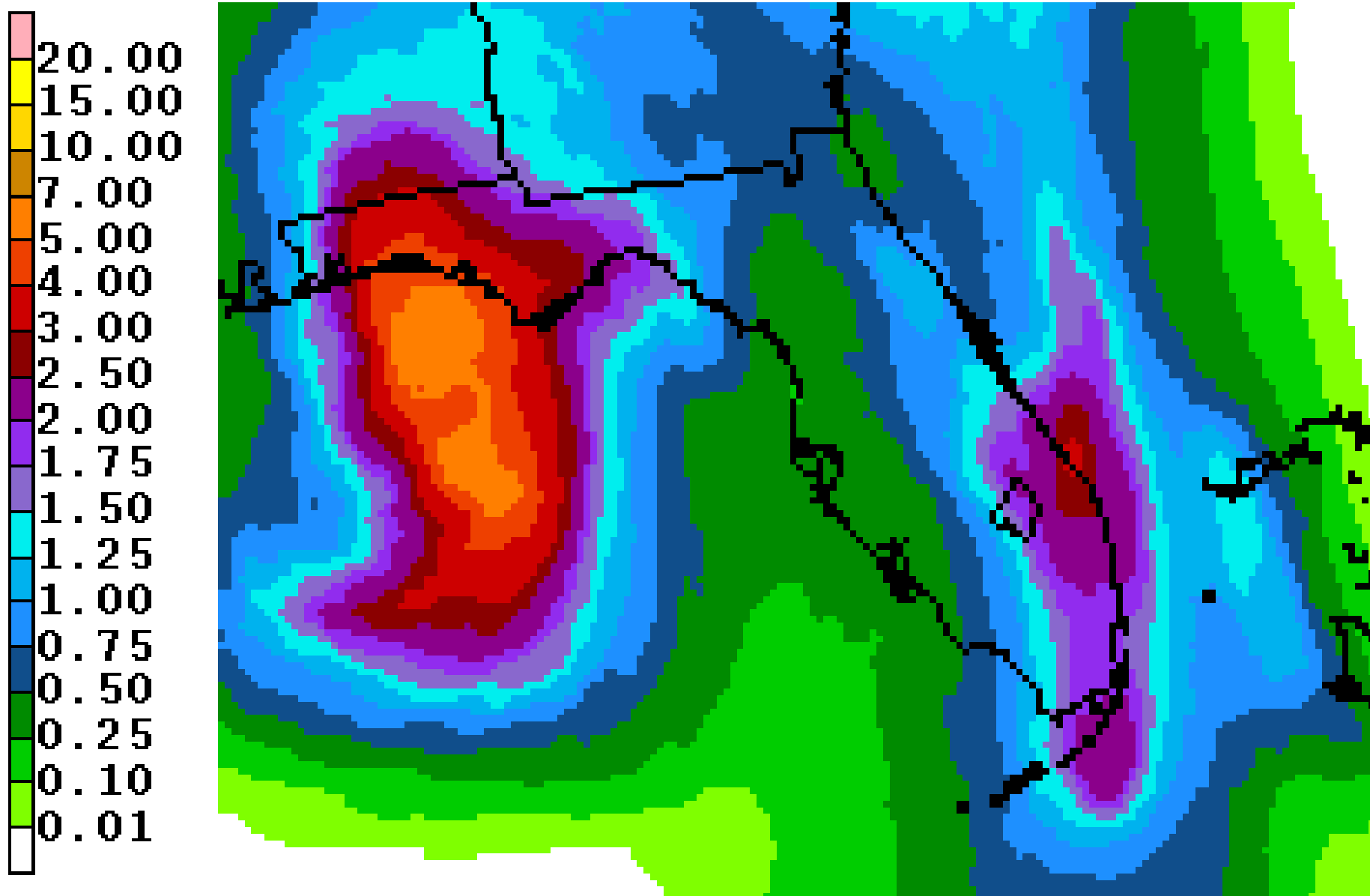




# National Water Model Streamflow Anomalies

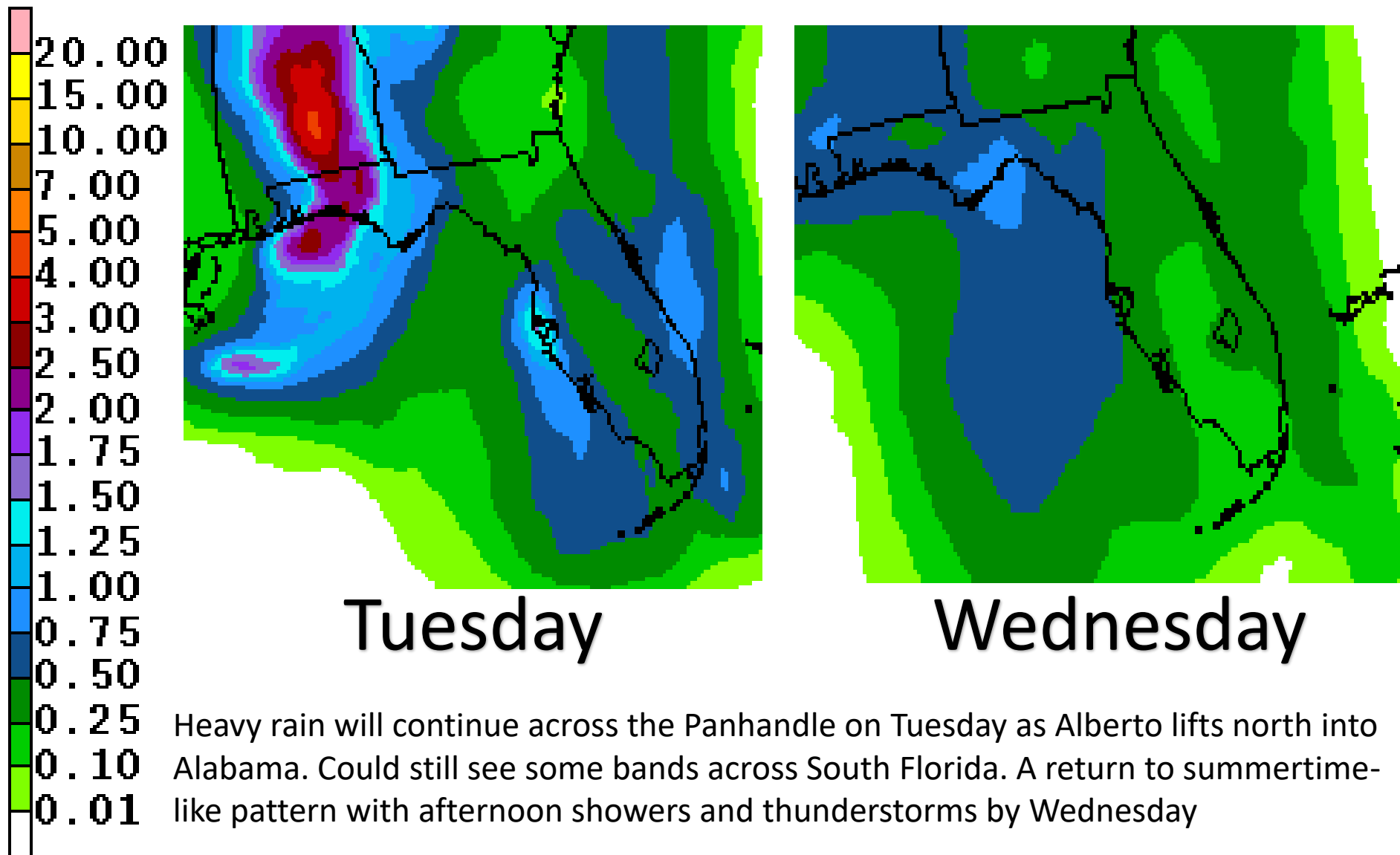
-  Above Normal
-  Normal Flow
-  Below Normal Flow

# *Forecast Total Rainfall Accumulations for Monday*

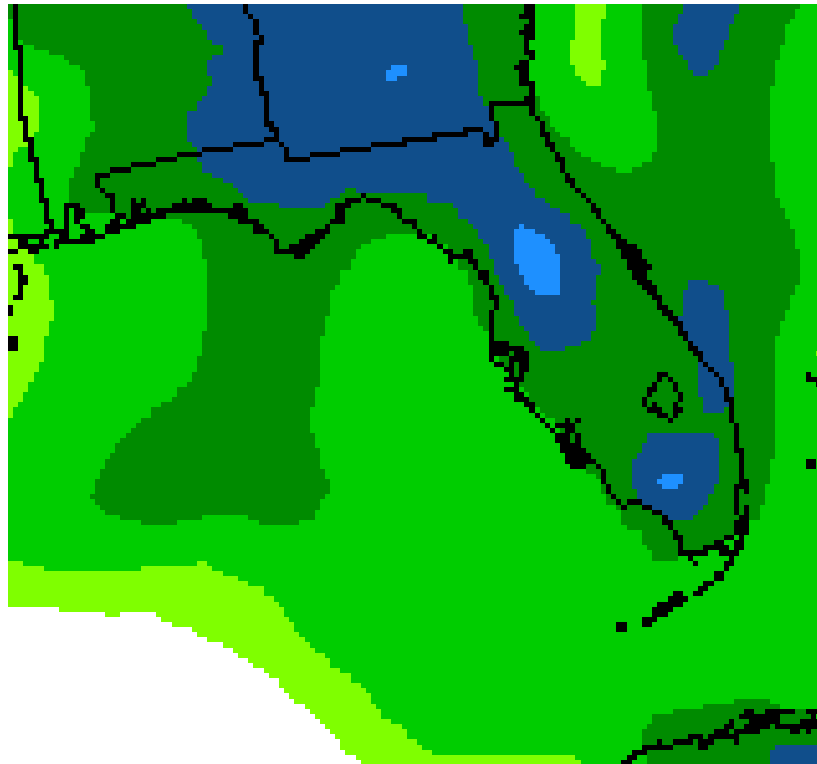
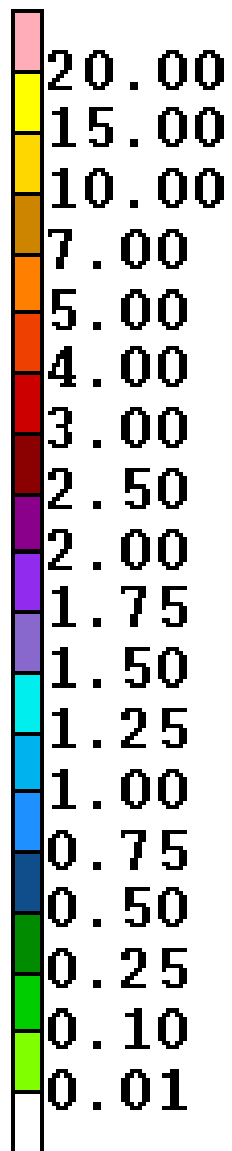




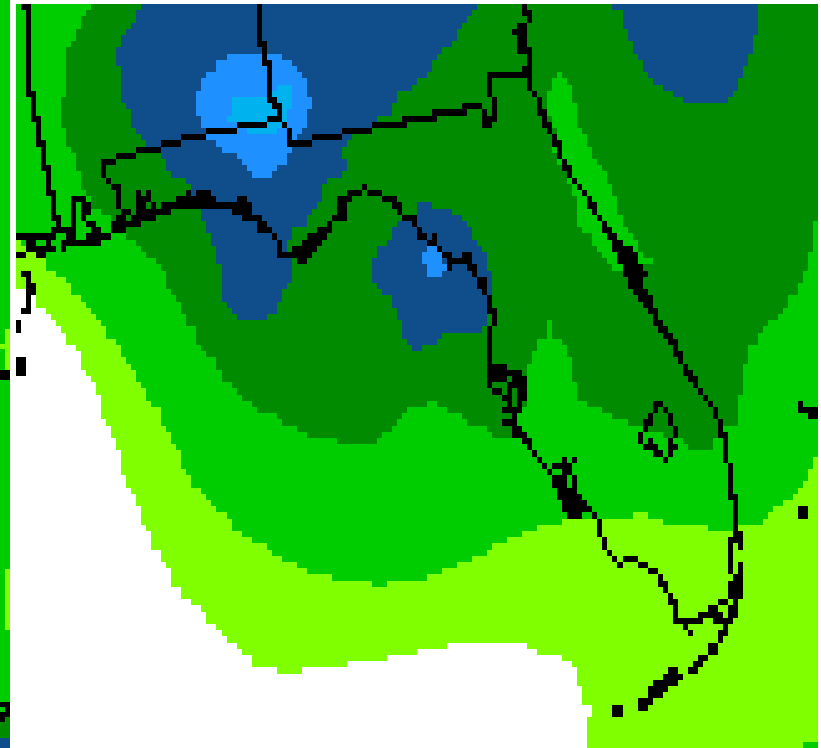
# *Forecast Total Rainfall Accumulations*



# *Forecast Total Rainfall Accumulations*



Thursday-Friday



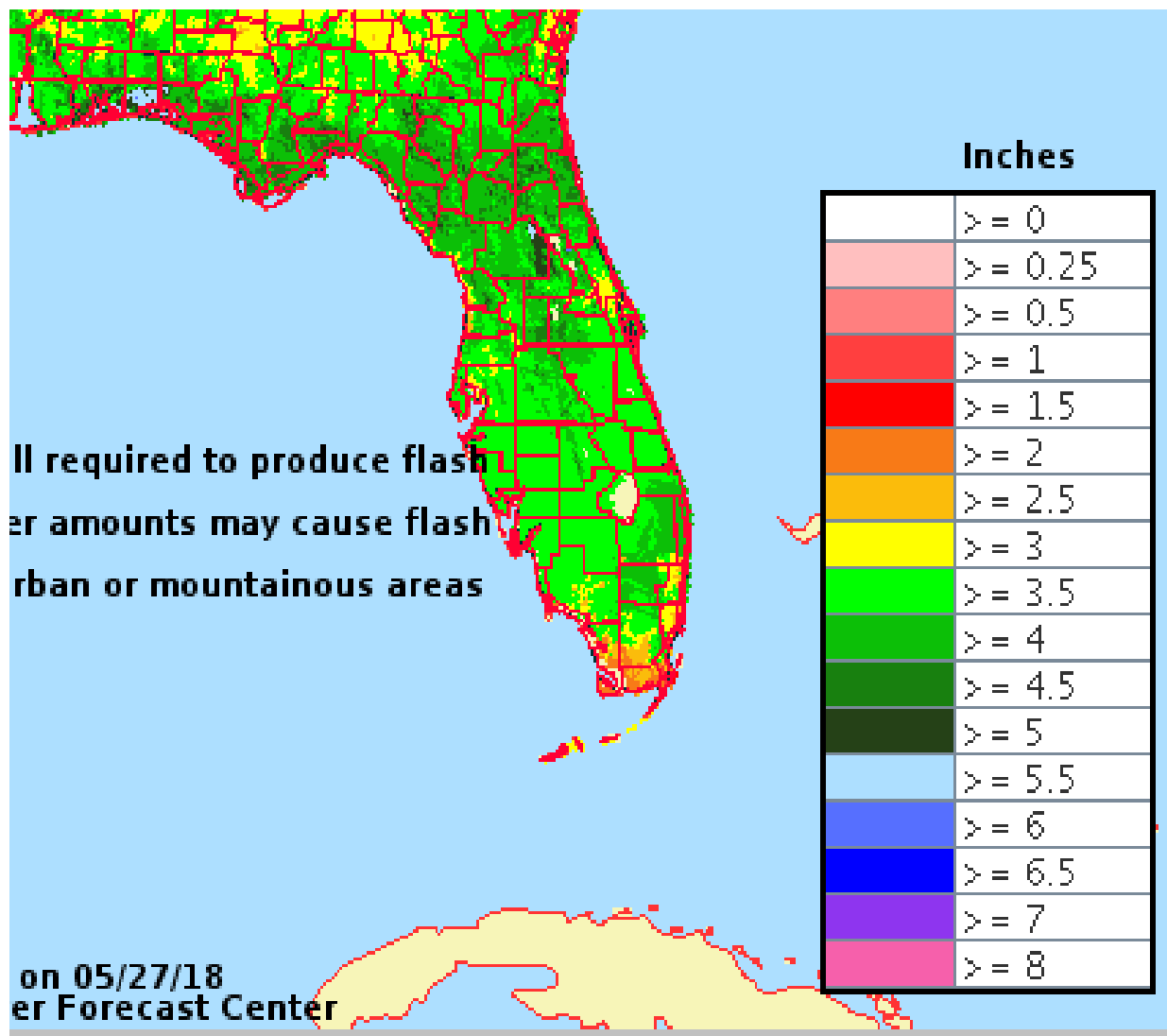
Saturday-Sunday

Scattered showers and thunderstorms continue later in the week, but any heavier showers and storms may cause isolated flooding.



# 3-hr Flash Flood Guidance

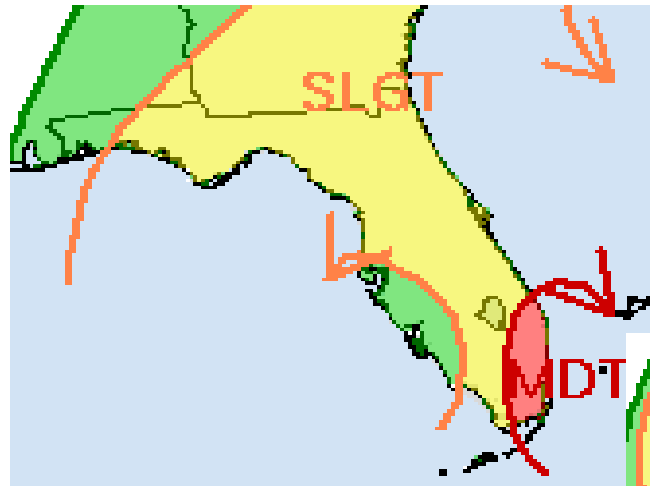
Valid: 05/27/2018 @ 09:19 AM



- Since soils are already saturated, any additional heavy rain (generally 3-4" in 3 hours, 4-6" in 6 hours 5-7" in 12 hours) will cause flash flooding issues.



# Excessive Rain Outlook – Risk for Flash Flooding



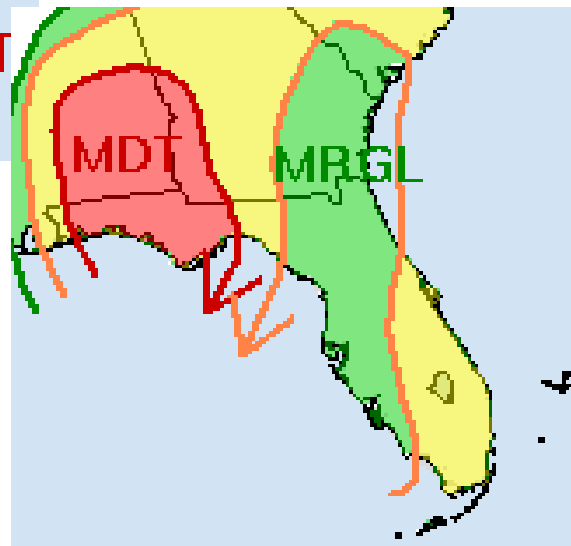
Risk of rainfall exceeding flash flood guidance within 25 miles of a point to the right of a line

**HIGH: > 50%**

**SLGT: 10%-20%**

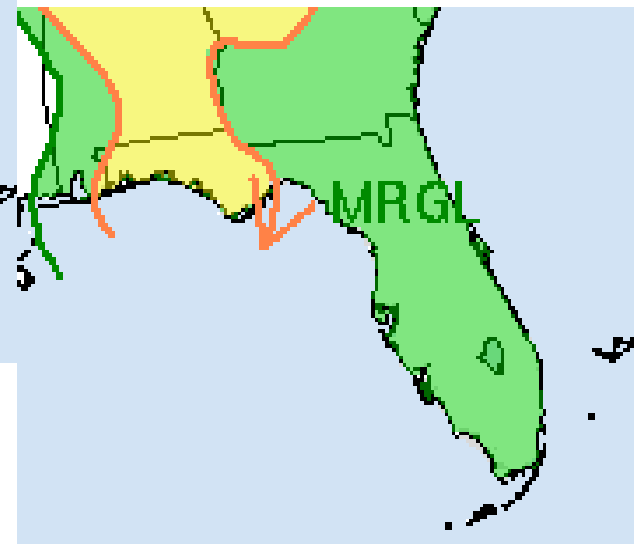
**MDT: 20%-50%**

**MRGL: 5%-10%**



**Tonight**

**Monday**



**Tuesday**











# Active Flood Watches



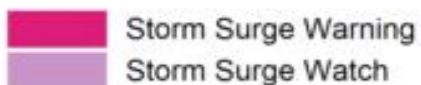
# 7 Day Chance of River Flooding

In addition to the flash flooding potential, minor to moderate flooding on area rivers will be possible, but this will ultimately be dependent on where the heaviest rain falls. The areas for concern are currently in West Central Florida, the Florida Panhandle, and the Santa Fe River basin and Paynes Prairie State Park.



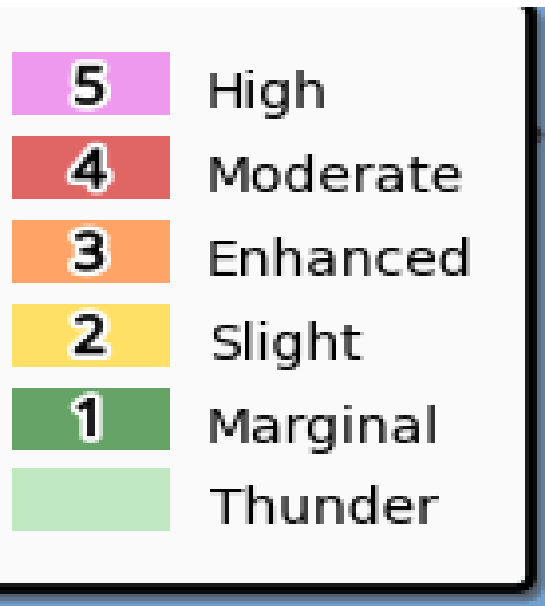
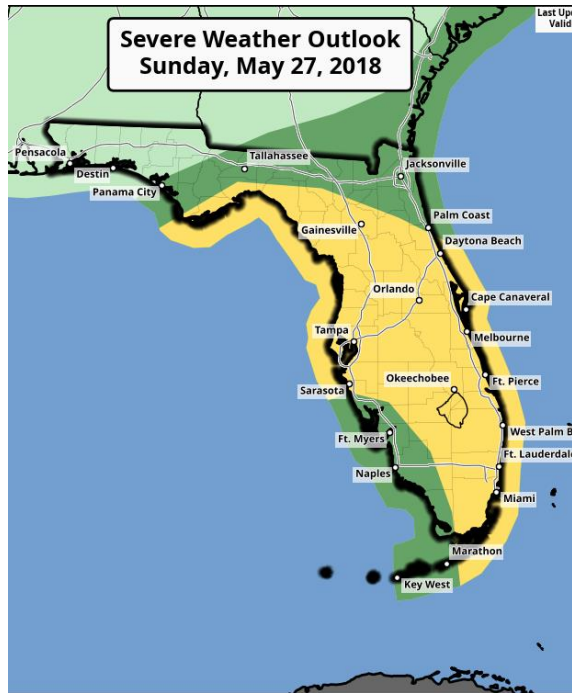
News Legend		
News Items less than 24 hours old	News Items 1 to 7 days old	No current News Items
Map Legend		
Chance of Exceedance		River Forecast Centers
30%	Level	70%
	Action	
	Minor Flood	
	Moderate Flood	
	Major Flood	
 = less than 30% chance of reaching Action level		
 = no critical levels defined for this point		
		Middle Atlantic River Forecast Center
		Northeast River Forecast Center
		Ohio River Forecast Center
		Southeast River Forecast Center

# Storm Surge





# Tornado Risk



# Summary

- At 5pm EDT Saturday, the center of Sub-Tropical Storm Alberto was located 165 miles west of Tampa and 120 miles south of Apalachicola.
- Maximum sustained winds remain near 50mph and Alberto is moving north-northwest around 12mph. A north-northwestward to northward motion is expected Monday through Wednesday.
- On the forecast track, the center of Alberto will move over the northern Gulf of Mexico tonight and approach the northern Gulf Coast in the warning area on Monday.
- Heavy rainfall and tropical storm conditions will likely reach the northern Gulf Coast well before the arrival of the center.
- Computer models are in fairly good agreement with the intensity, a little change in strength is forecast before Alberto reaches the northern Gulf Coast.
- Landfall is forecast during the afternoon hours Monday as a minor to moderate subtropical storm. Landfall is forecast to occur in a region between Pensacola and Port St. Joe. Steady weakening is expected after landfall.

## Florida Outlook:

- Regardless of track or intensity, this system will result in a multi-day widespread rainfall event that will impact a large portion of Florida, continuing statewide tonight and tomorrow. Lingering rains may continue through Tuesday.
- While the center of Alberto is forecast to make landfall in the western Panhandle impacts will be felt across a majority of the state tonight.
- Tropical Storm Warnings are now in effect for ALL coastal counties from Escambia to Pasco, and now include the inland counties of Holmes, Washington, Jackson, Calhoun, and Liberty.
- A Storm Surge Watch extends along the Panhandle Coast from the Santa Rosa County east to Citrus County due to anticipated surge values of 2-4 feet.
- Flood and Flash Flood Watches are in effect for 29 counties, mainly in North Florida and Southeast Florida
- Widespread rainfall amounts of 3-7" are expected in North Florida, with locally higher amounts of 7-9+" possible in North Florida
- Widespread 1.5-3" of rain is expected in Central and South Florida with localized totals of 3-4" possible in heavier bands.
- River flooding will also be a concern for portions of the state.
- Increased wave heights are also expected and will lead to a high risk of rip currents over the next several days
- There is a slight risk (level 2 of 5) of tornadoes for much of the state for tonight, but this risk will be reduced to marginal (level of 1 of 5) beginning Monday . Tornado Watches may be issued.

Another briefing packet will be issued Monday morning. For more information on this system visit the NHC website at [www.nhc.noaa.gov](http://www.nhc.noaa.gov)



# TROPICAL UPDATE

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