



TROPICAL UPDATE

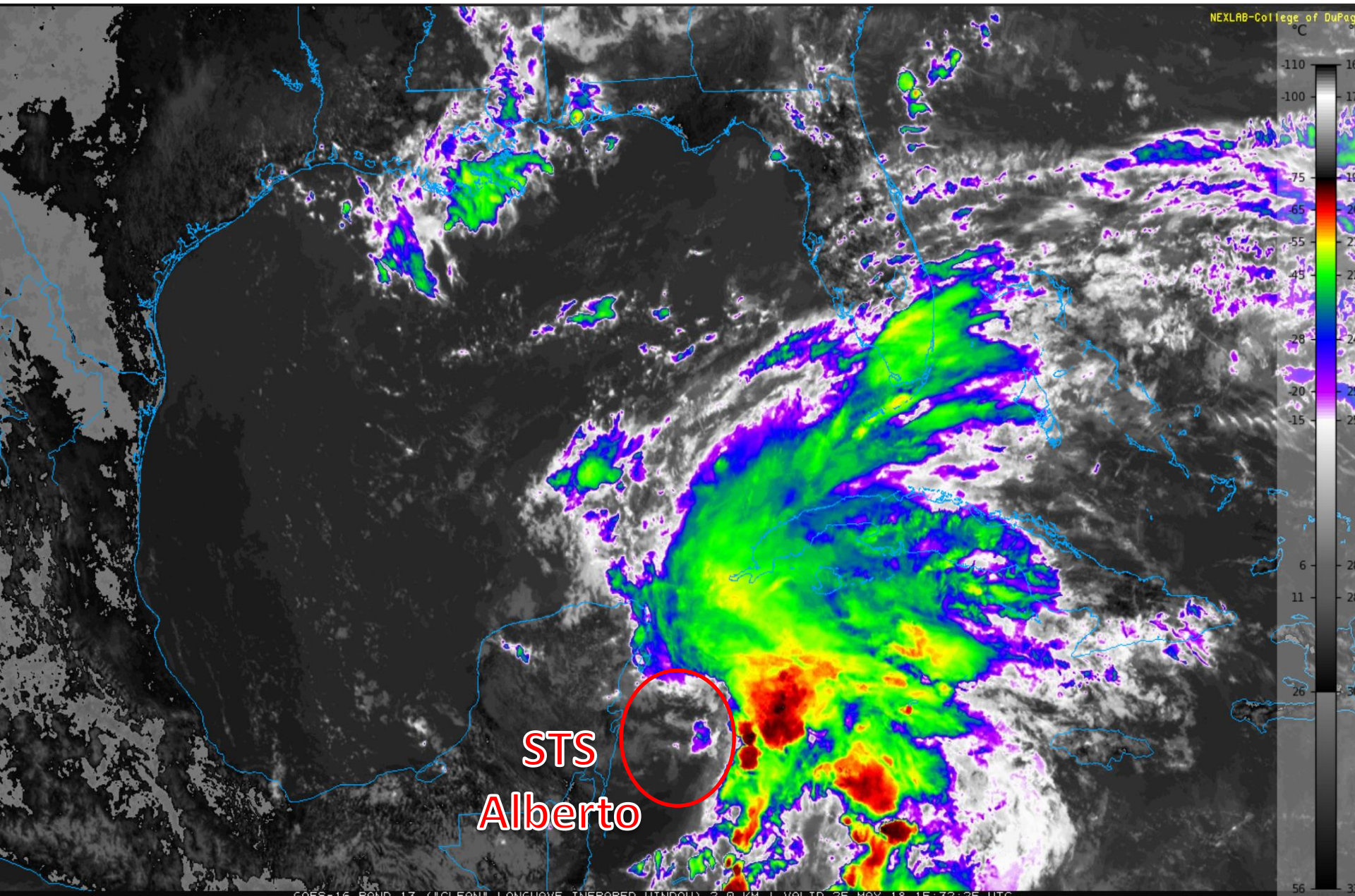
5 PM EDT

Friday, May 25, 2018

Sub-Tropical Storm Alberto

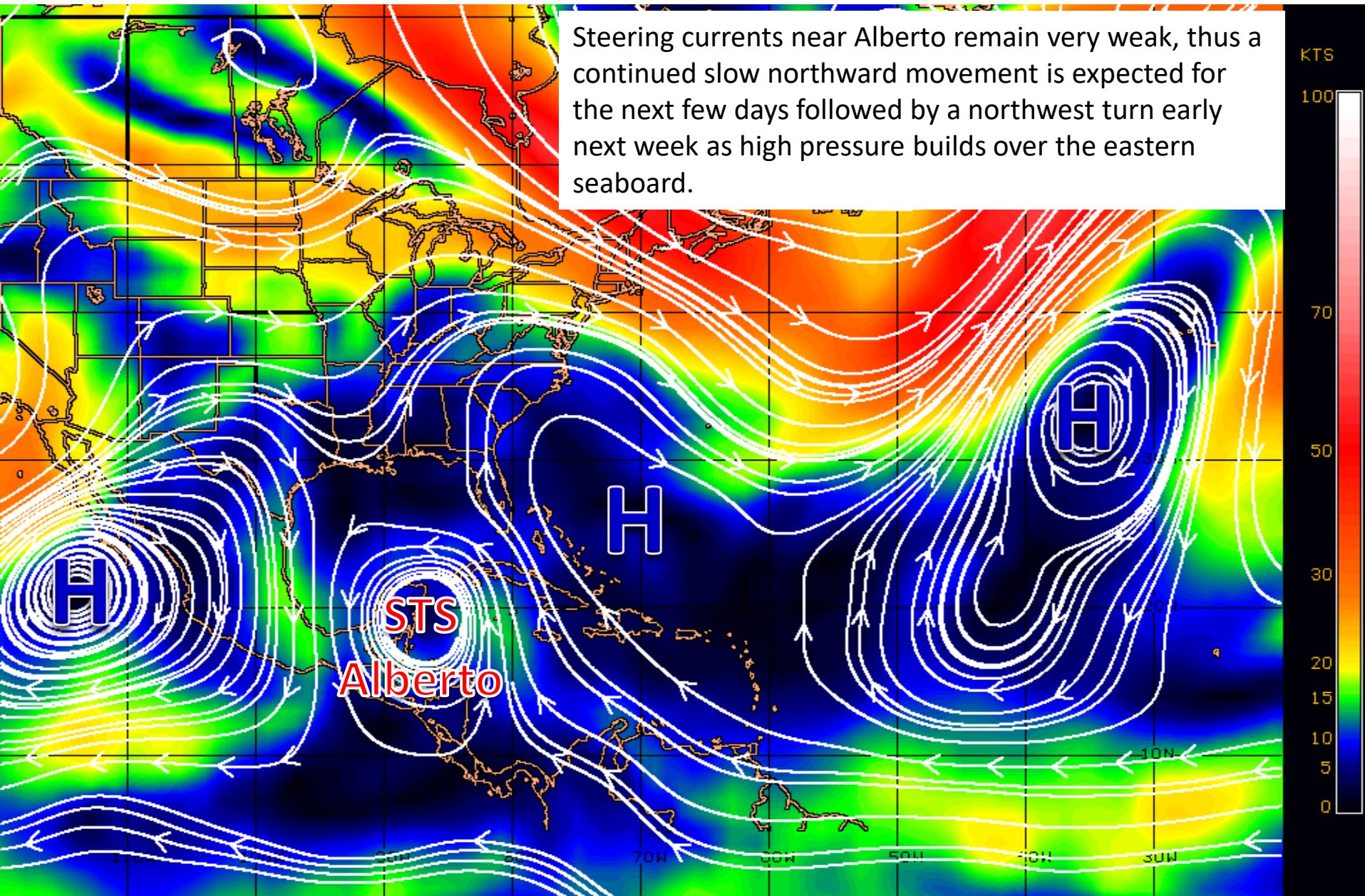
This update is intended for government and emergency response officials, and is provided for informational and situational awareness purposes only. Forecast conditions are subject to change based on a variety of environmental factors. For additional information, or for any life safety concerns with an 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.

Gulf of Mexico Satellite Image



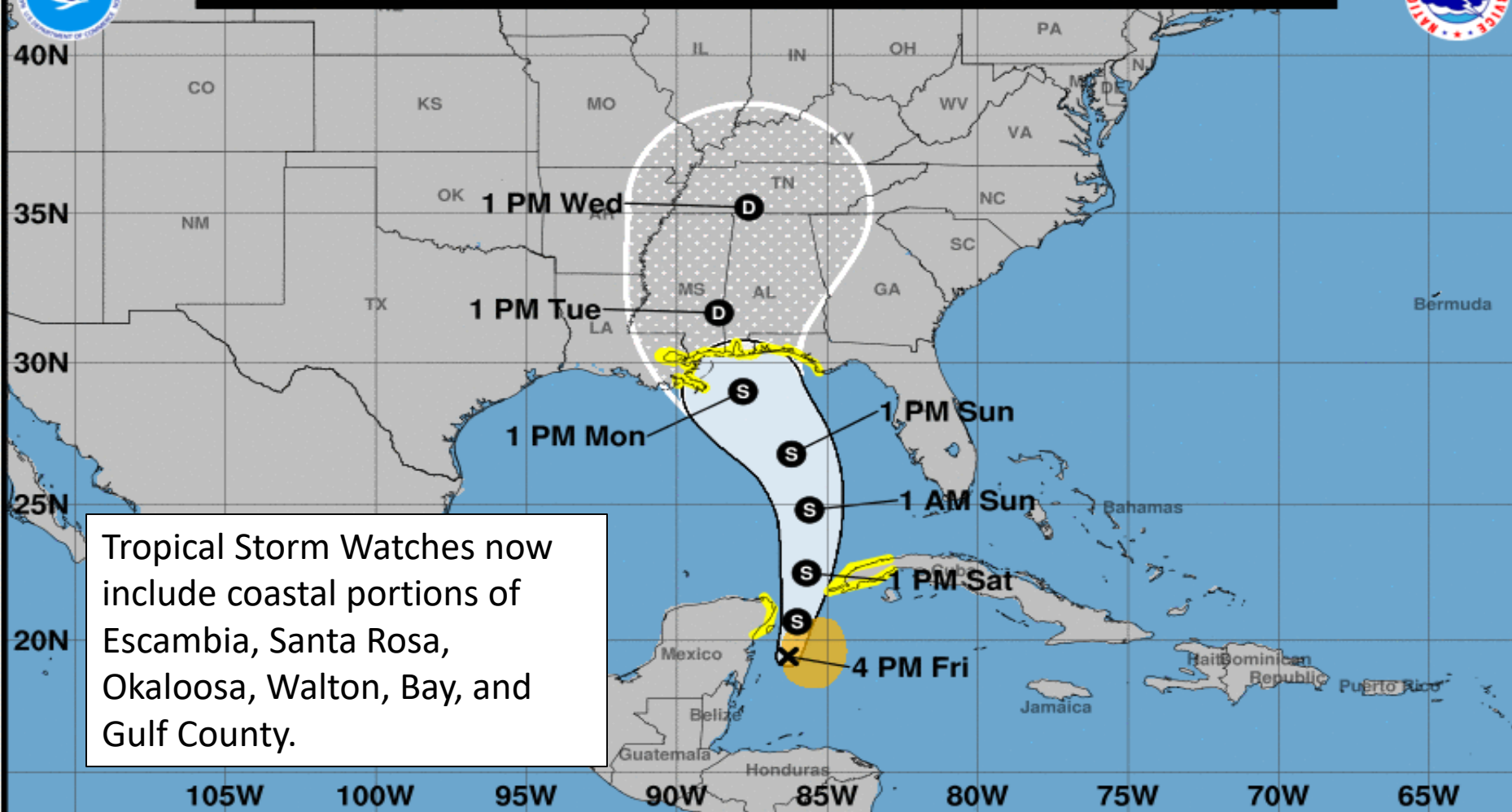
Steering Currents

Steering currents near Alberto remain very weak, thus a continued slow northward movement is expected for the next few days followed by a northwest turn early next week as high pressure builds over the eastern seaboard.





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 Watches now include coastal portions of Escambia, Santa Rosa, Okaloosa, Walton, Bay, and Gulf County.

Subtropical Storm Alberto

Friday May 25, 2018

4 PM CDT Advisory 2

NWS National Hurricane Center

Current information: x

Center location 19.4 N 86.3 W

Maximum sustained wind 40 mph

Movement E at 2 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

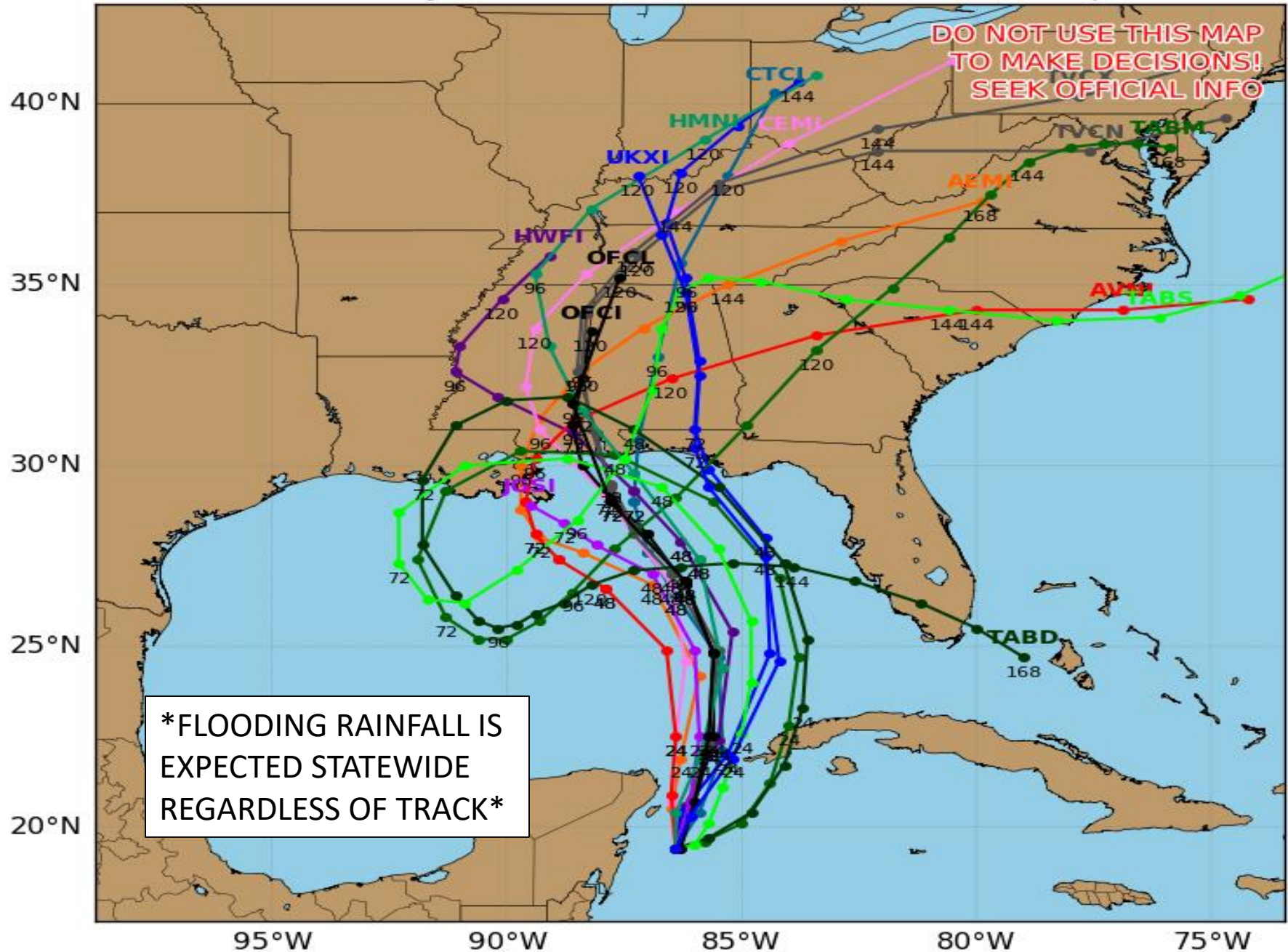
Current wind extent:

Hurricane Trop Stm

Subtropical Storm ALBERTO Model Track Guidance

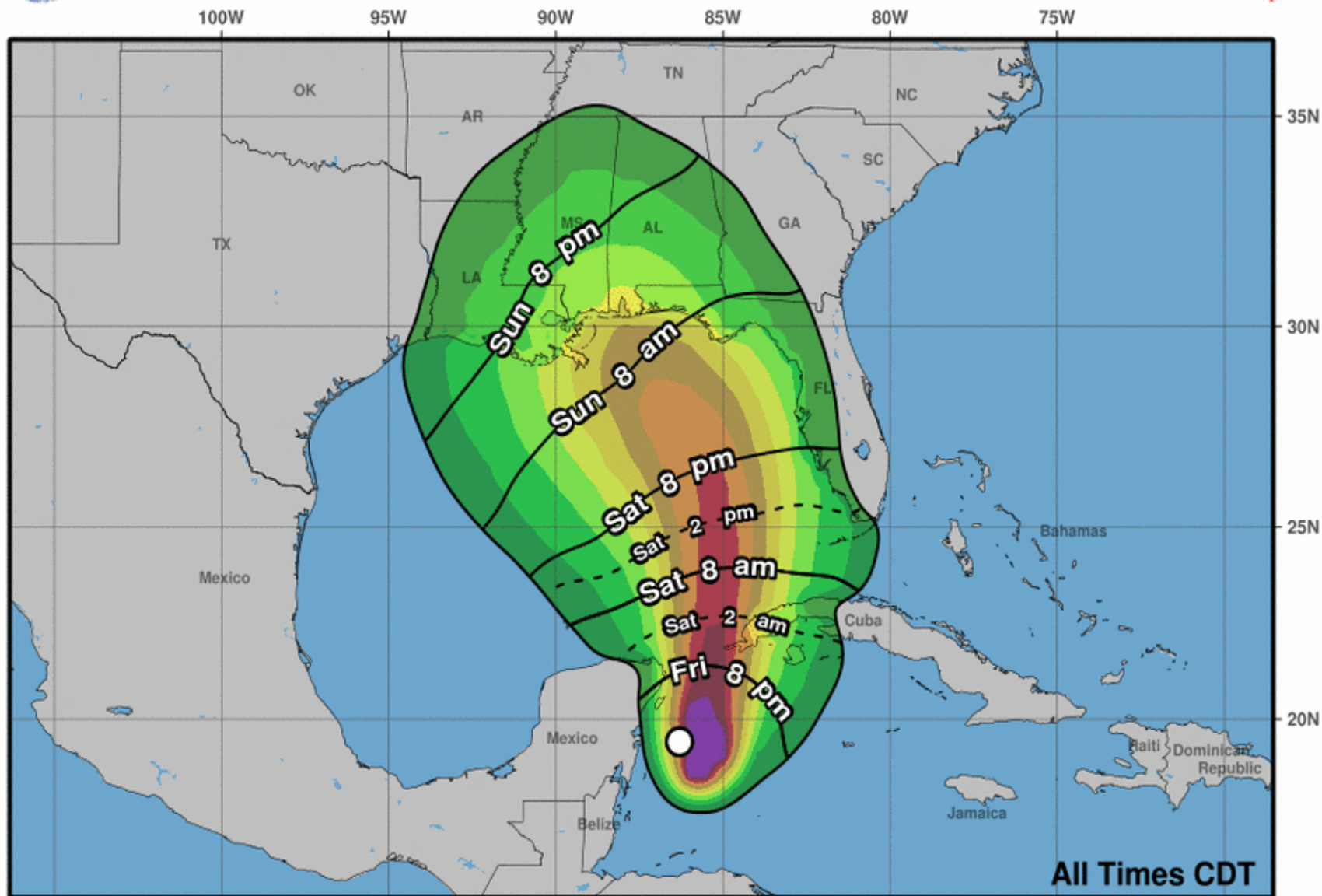
Initialized at 18z May 25 2018

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Earliest Reasonable Arrival Time of Tropical-Storm-Force Winds



Subtropical Storm Alberto
Fri. May. 25, 2018 4 pm CDT
Advisory 2

Storm Location & Wind Speed

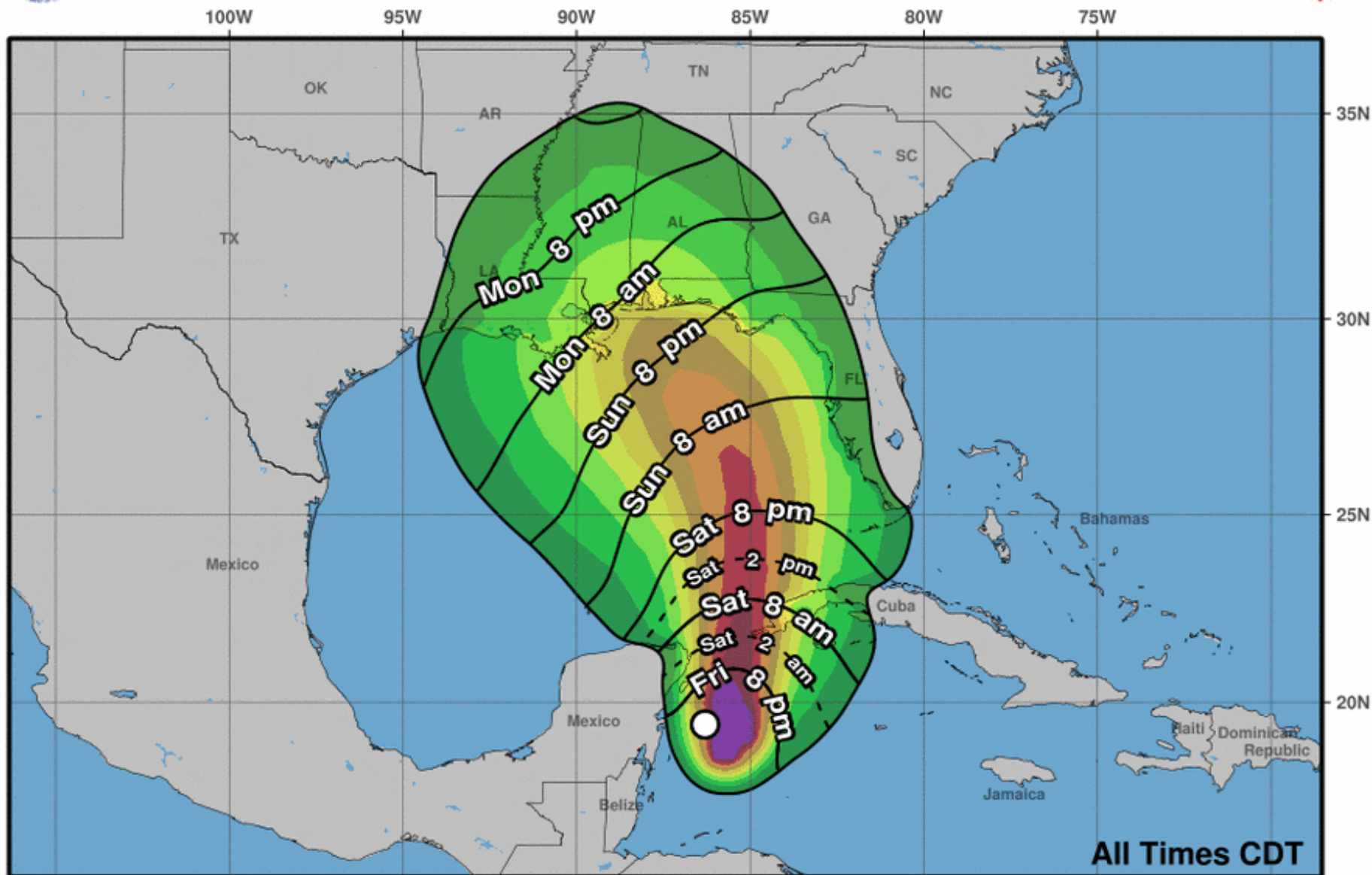
- < 34 kt (39 mph)
- 34-63 kt (39-73 mph)
- ≥ 64 kt (74 mph)

5-day chance of receiving sustained 34+ kt (39+ mph) winds

5	10	20	30	40	50	60	70	80	90	100 %
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Most Likely Arrival Time of Tropical-Storm-Force Winds



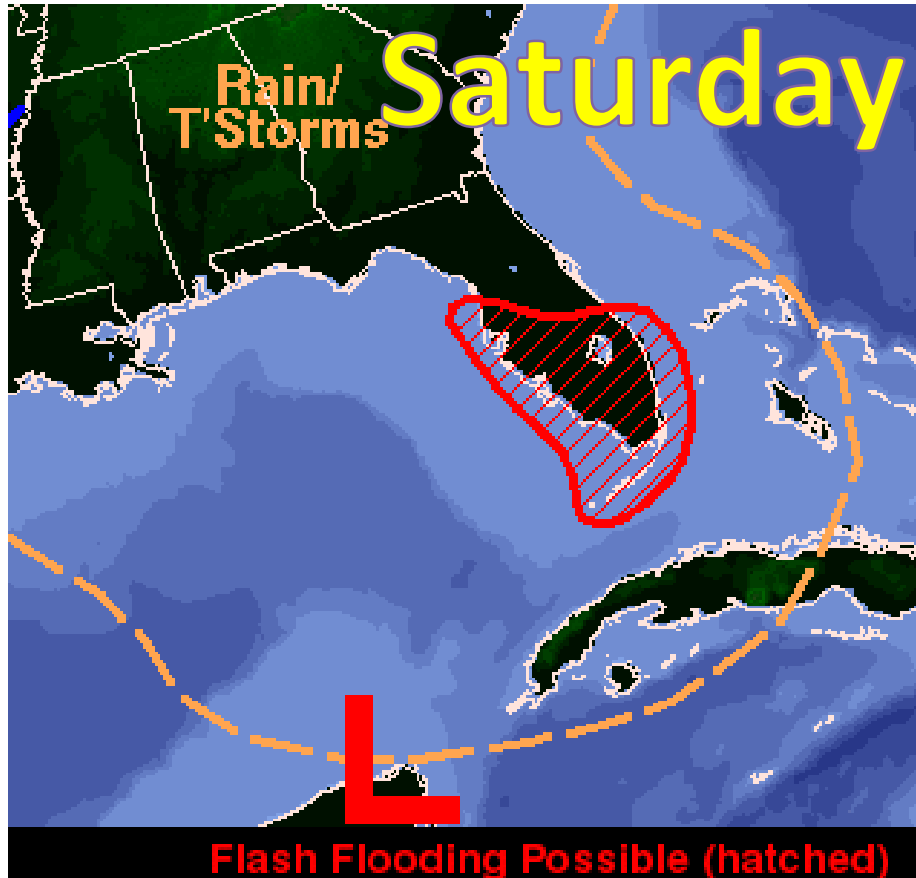
Subtropical Storm Alberto
Fri. May. 25, 2018 4 pm CDT
Advisory 2

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

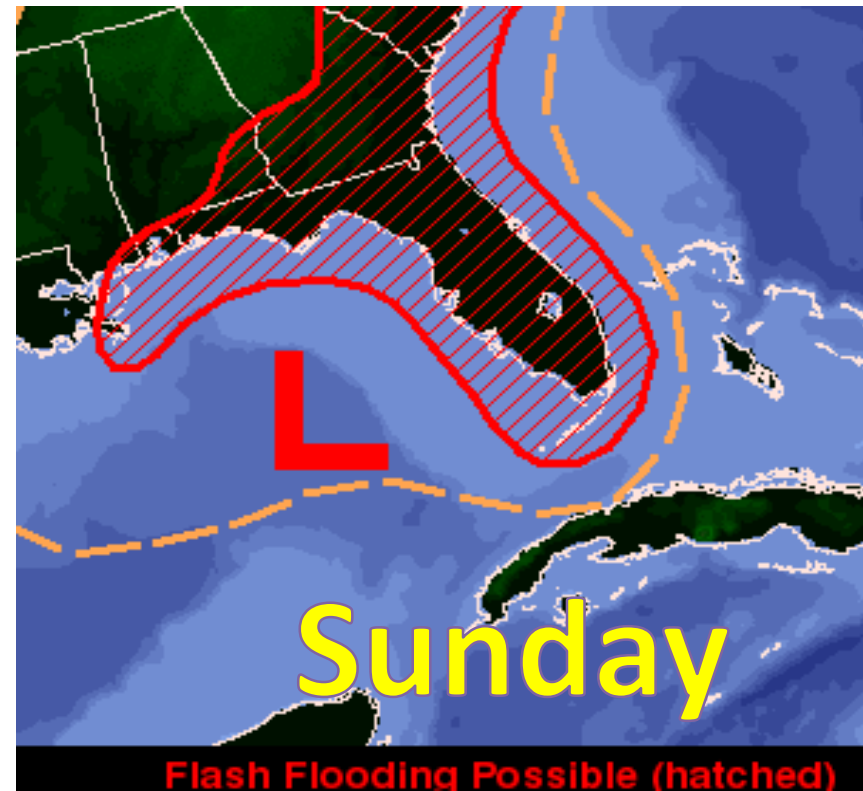
5-day chance of receiving sustained 34+ kt (39+ mph) winds



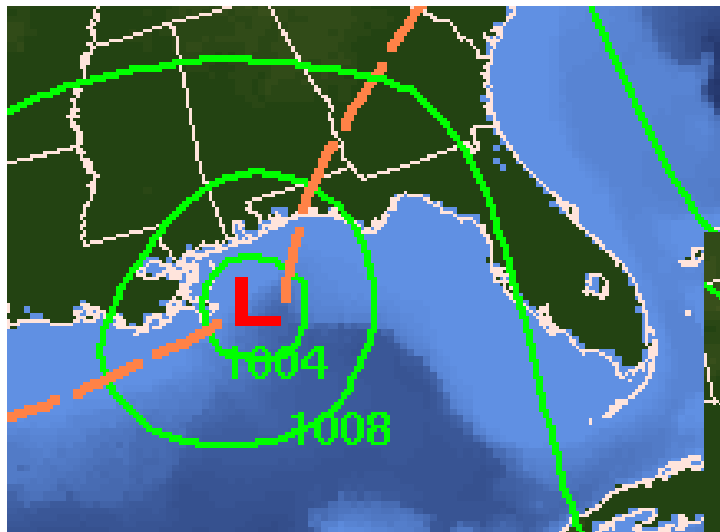
Forecast Weather Map – This Weekend



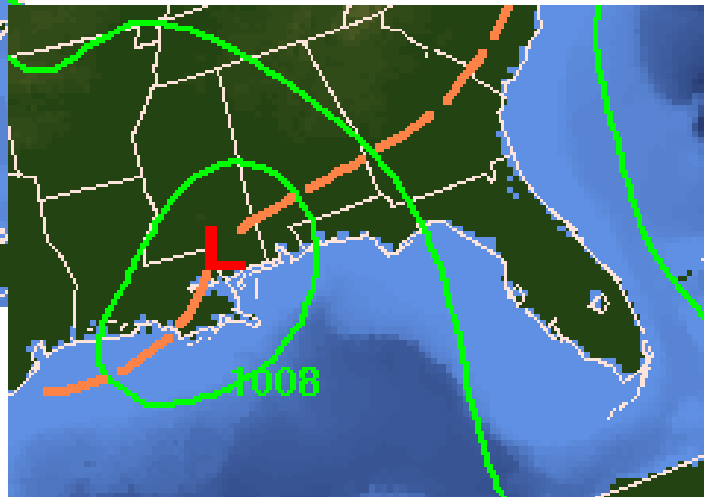
Alberto will slowly move northward towards the northeastern Gulf Coast through Sunday, but showers and storms will spread well to the east of the center and are already impacting South Florida.



Forecast Weather Map – This Weekend

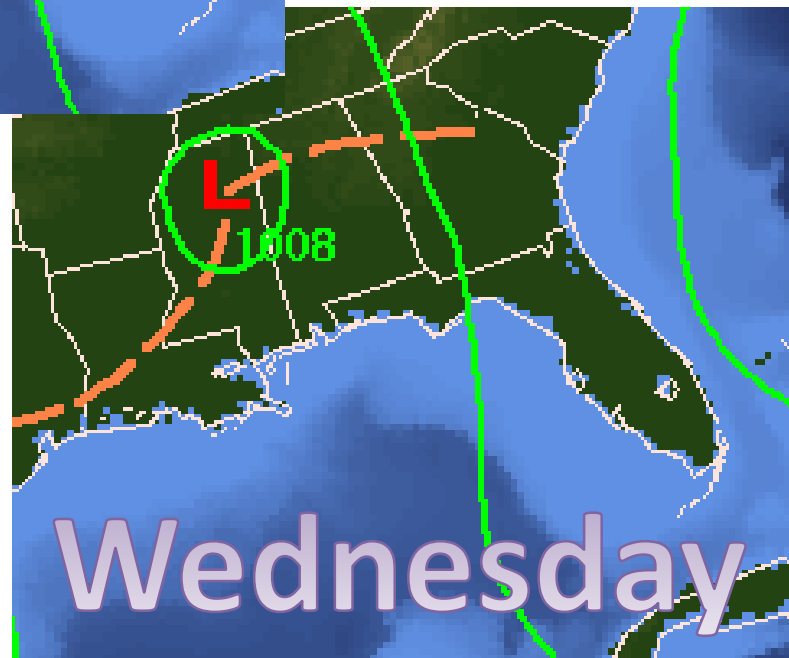


Monday



Tuesday

The system may slow down considerably or stall early week, prolonging the rain threat and increasing the chance of widespread flooding.



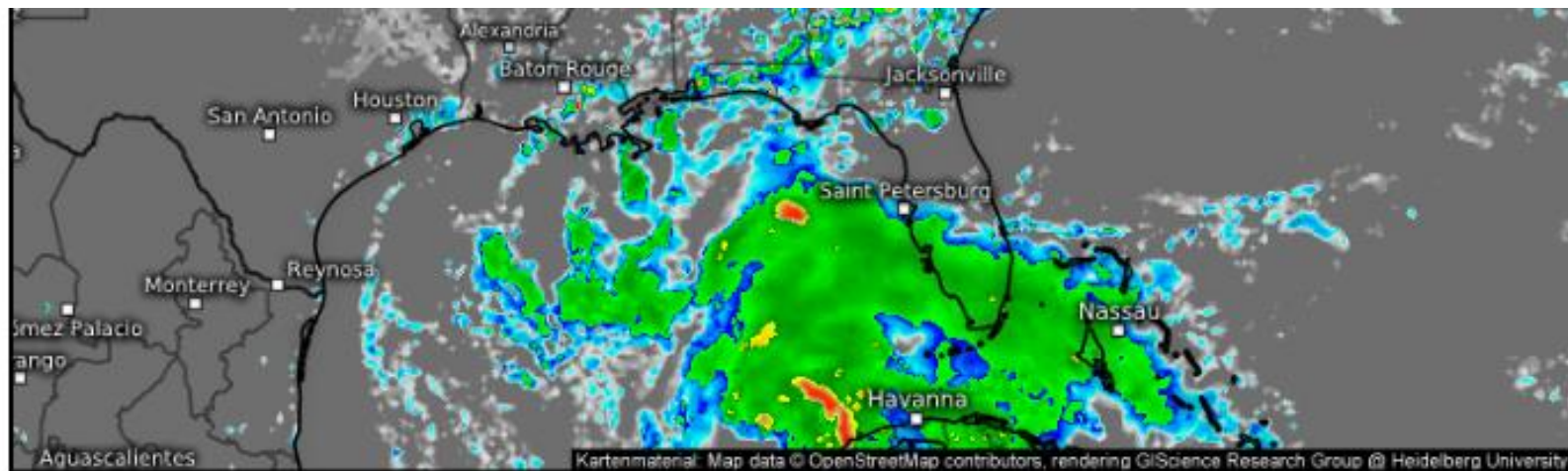
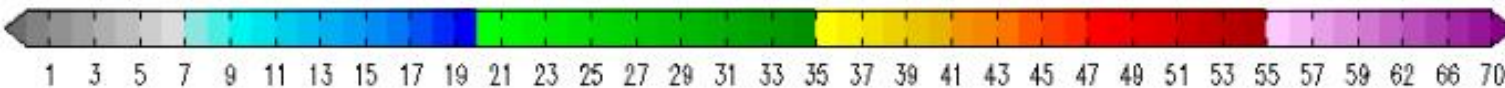
Wednesday



Showers and storms will spread northward into South and Central Florida throughout the day on Saturday.

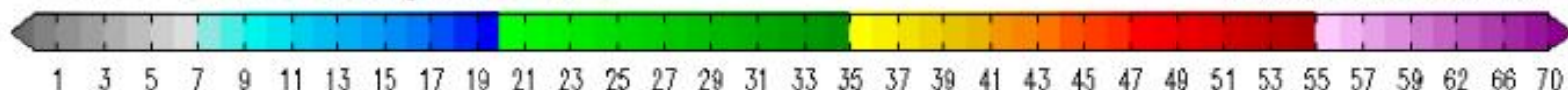
Base reflectivity (dBZ) 

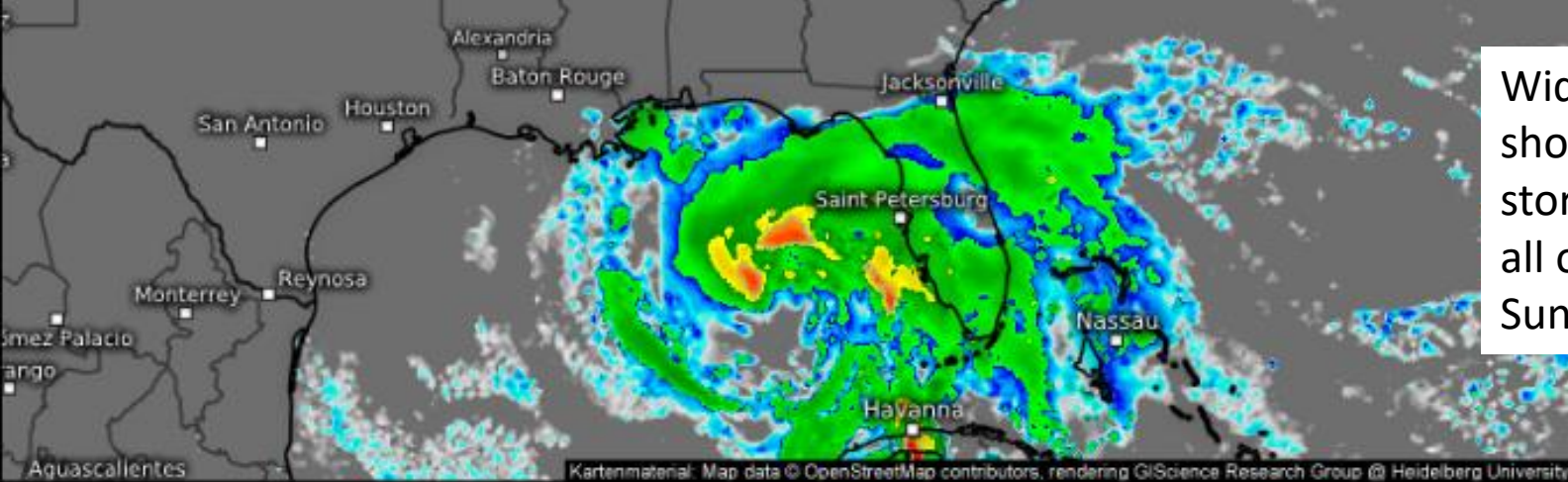
Valid for
05/26/2018, 07:00am CDT



Base reflectivity (dBZ) 

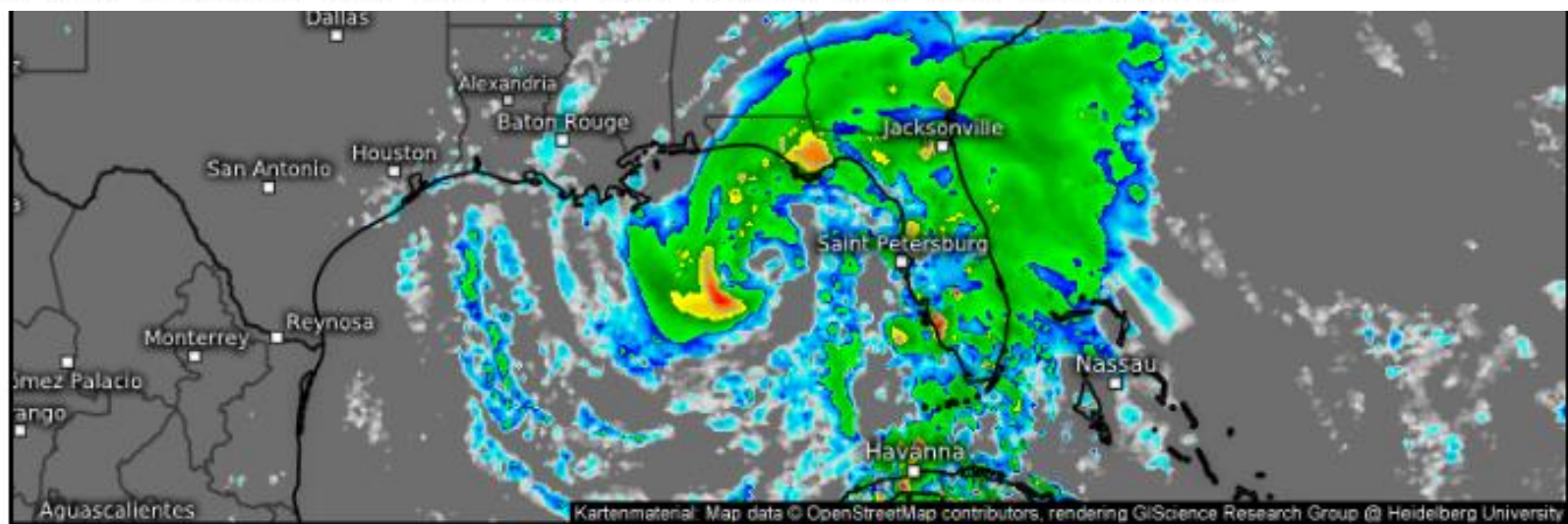
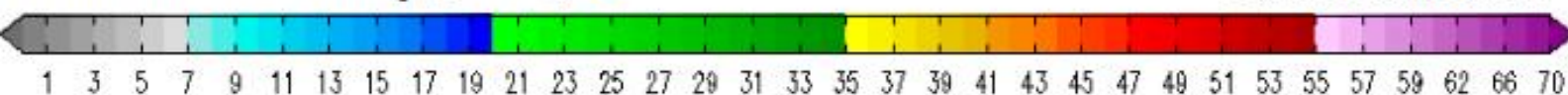
Valid for
05/26/2018, 01:00pm CDT





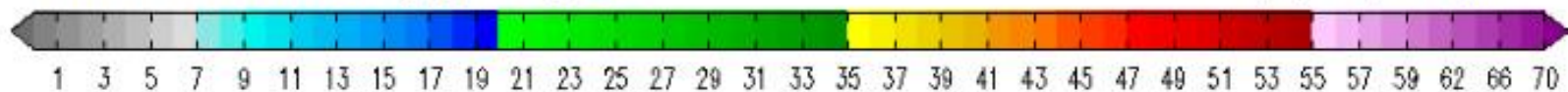
Base reflectivity (dBZ)

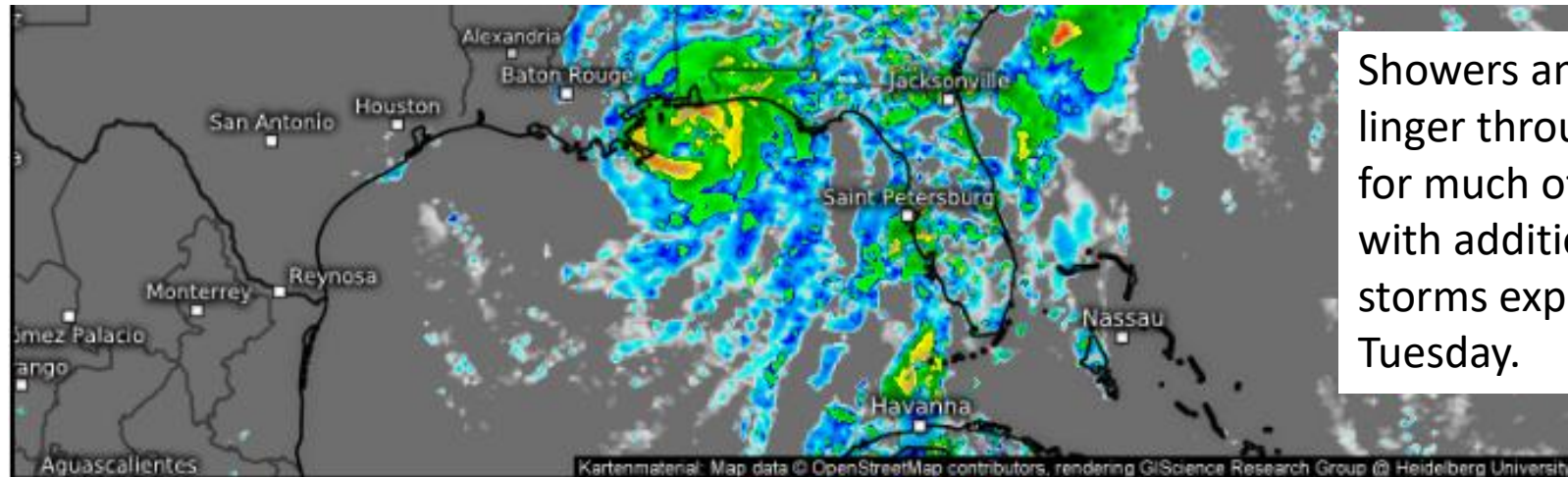
Valid for
05/27/2018, 04:00am CDT



Base reflectivity (dBZ)

Valid for
05/27/2018, 01:00pm CDT

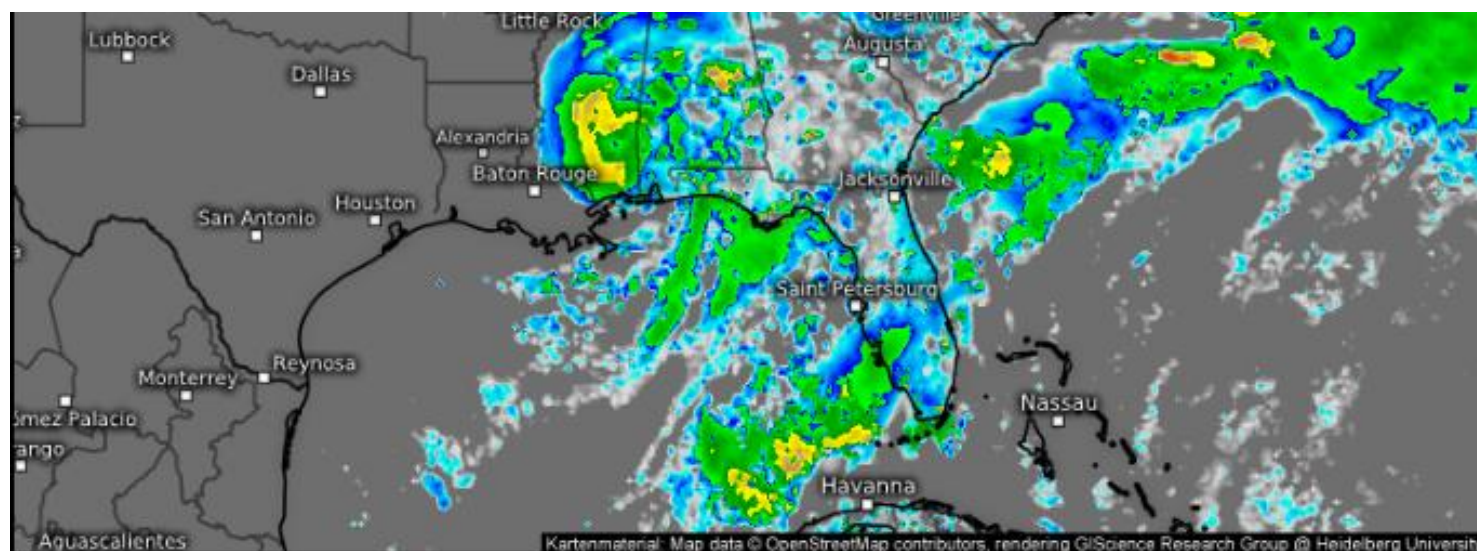
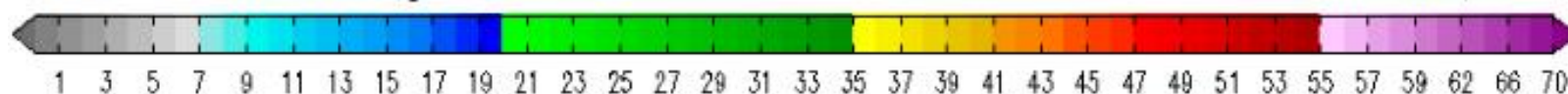




Showers and storms will linger through Monday for much of the state, with additional lingering storms expected on Tuesday.

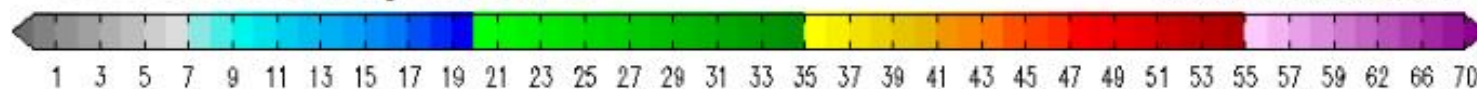
Base reflectivity (dBZ)

Valid for
05/28/2018, 01:00pm CDT

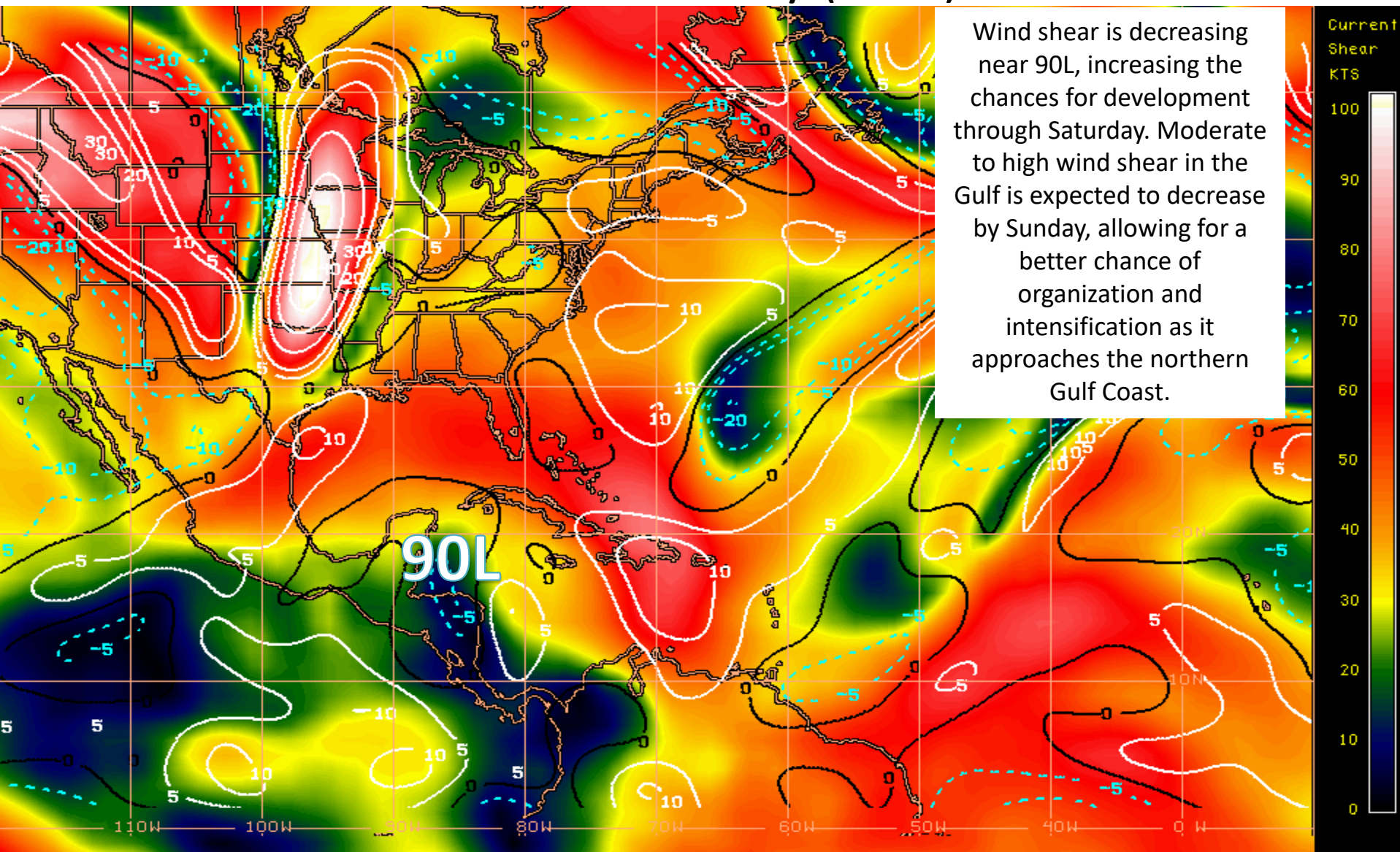


Base reflectivity (dBZ)

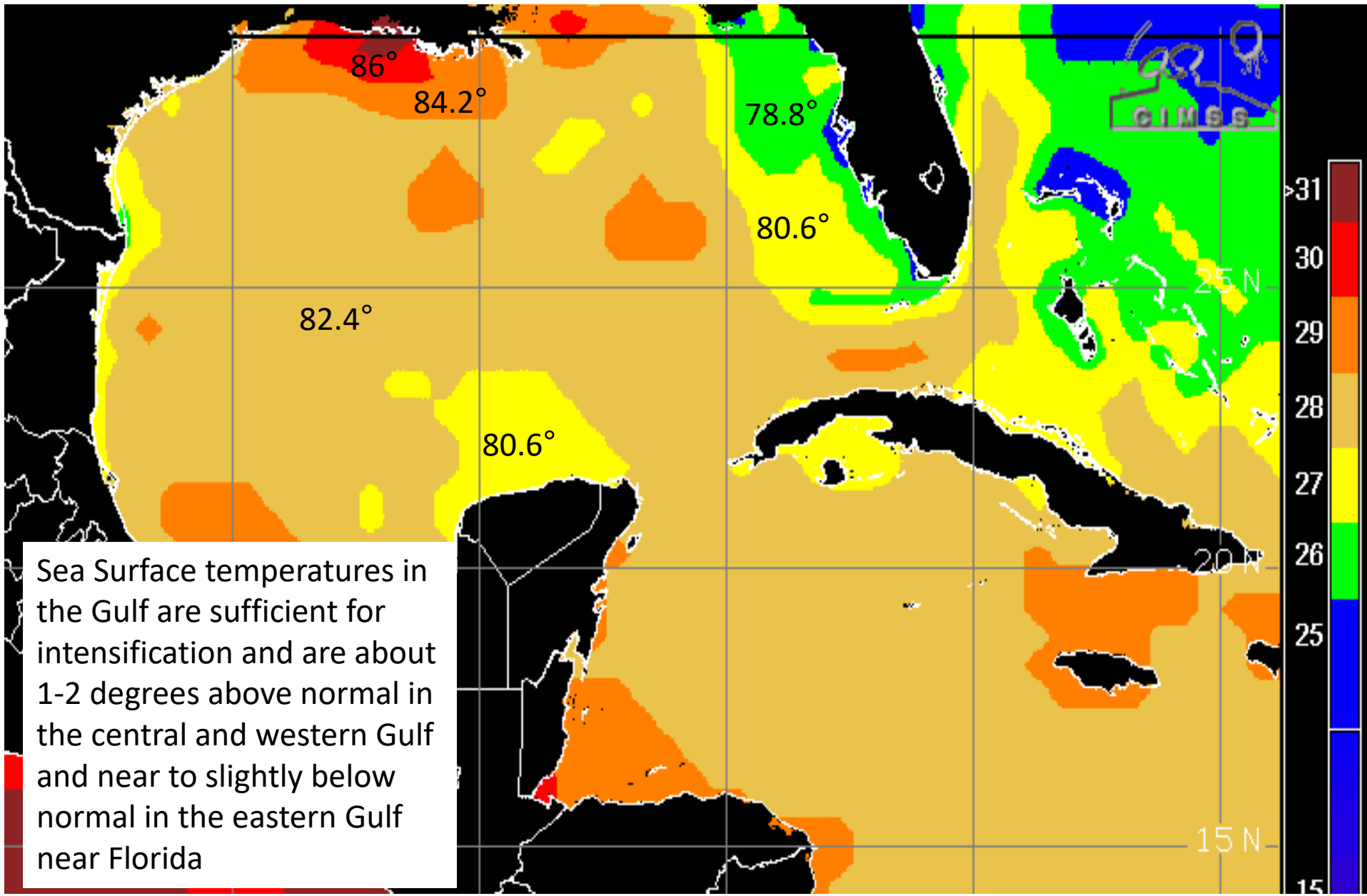
Valid for
05/29/2018, 10:00am CDT

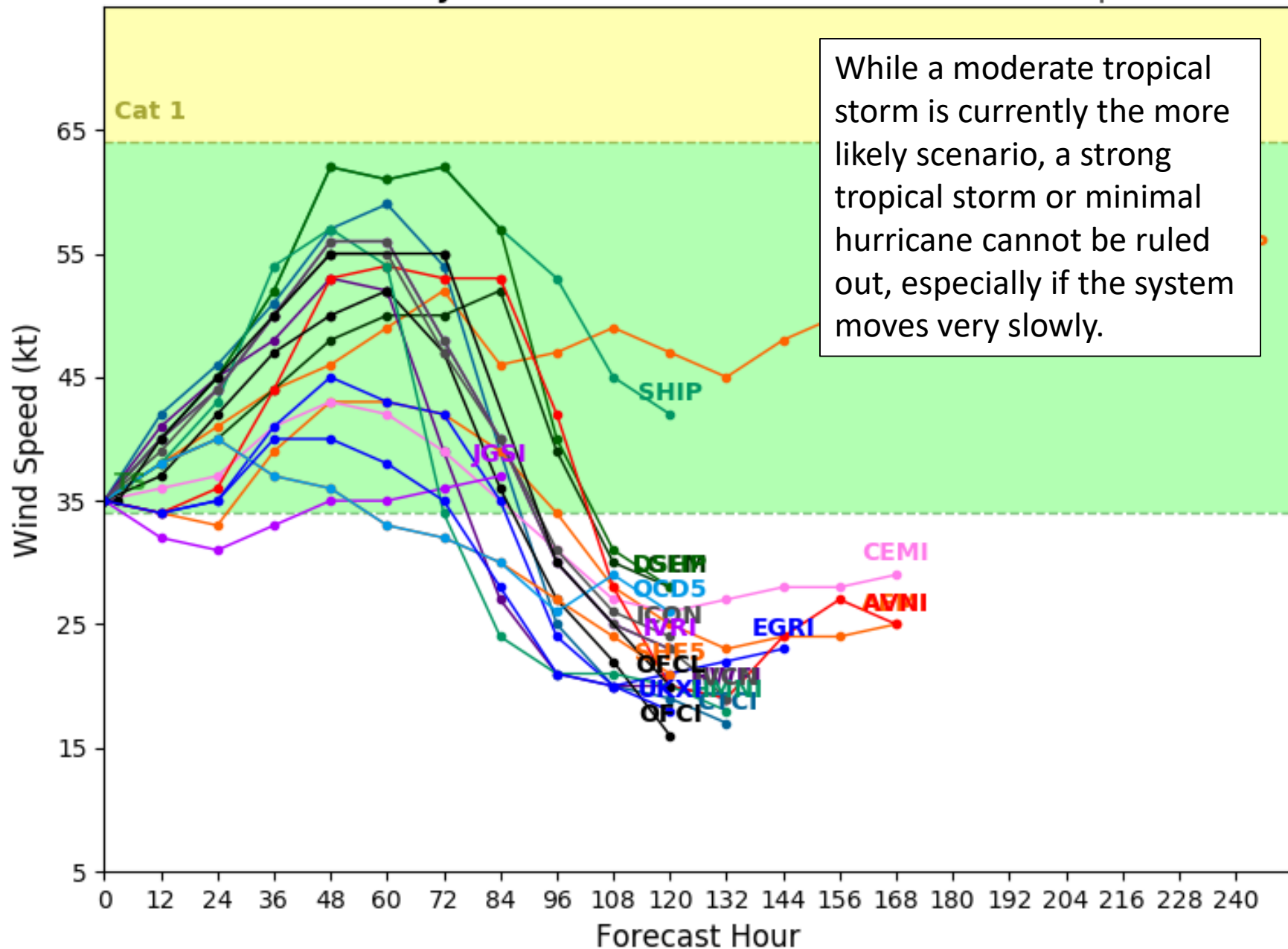


Current Wind Shear (shaded) and Shear Tendency (lines)

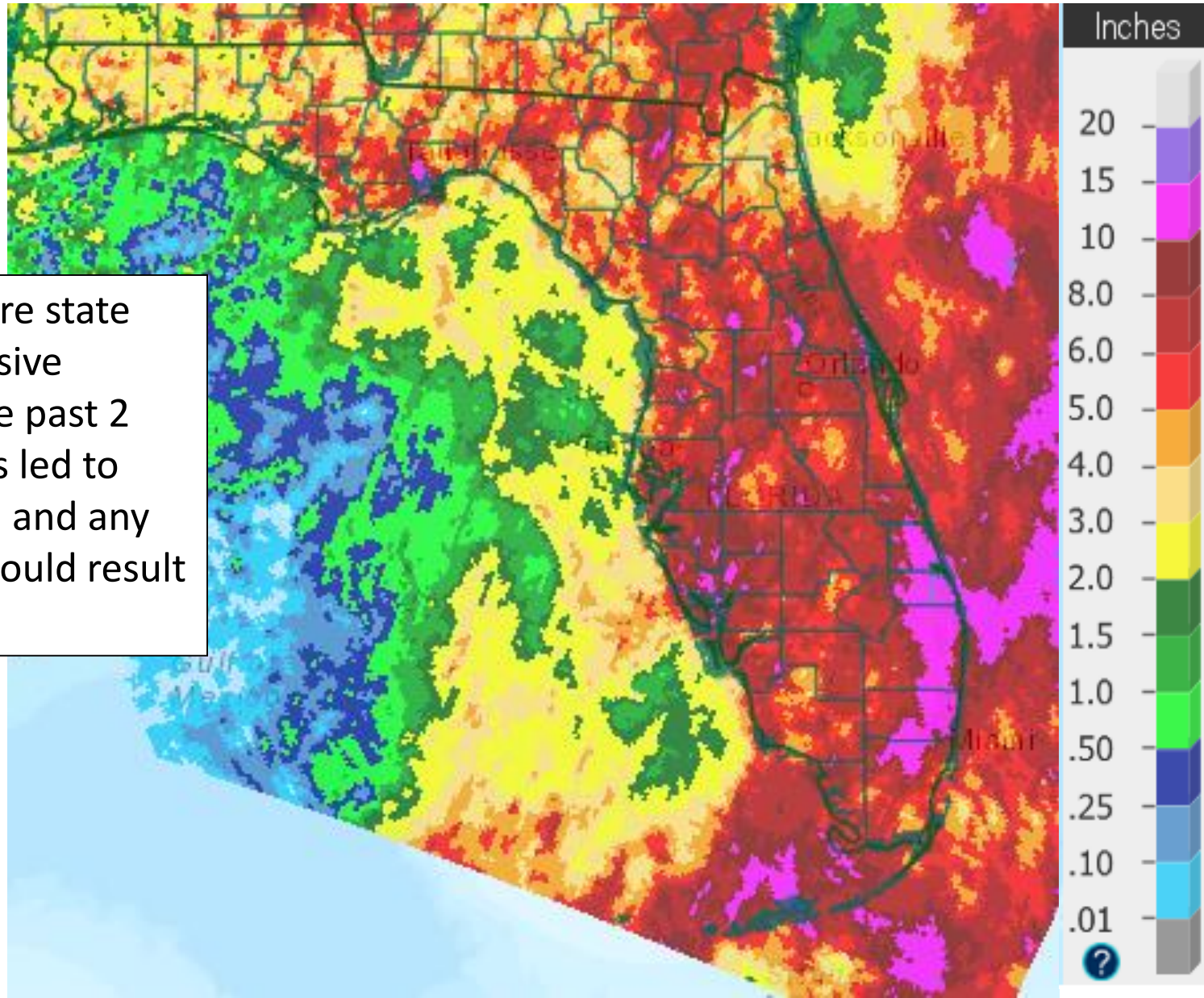


Current Sea Surface Temperatures

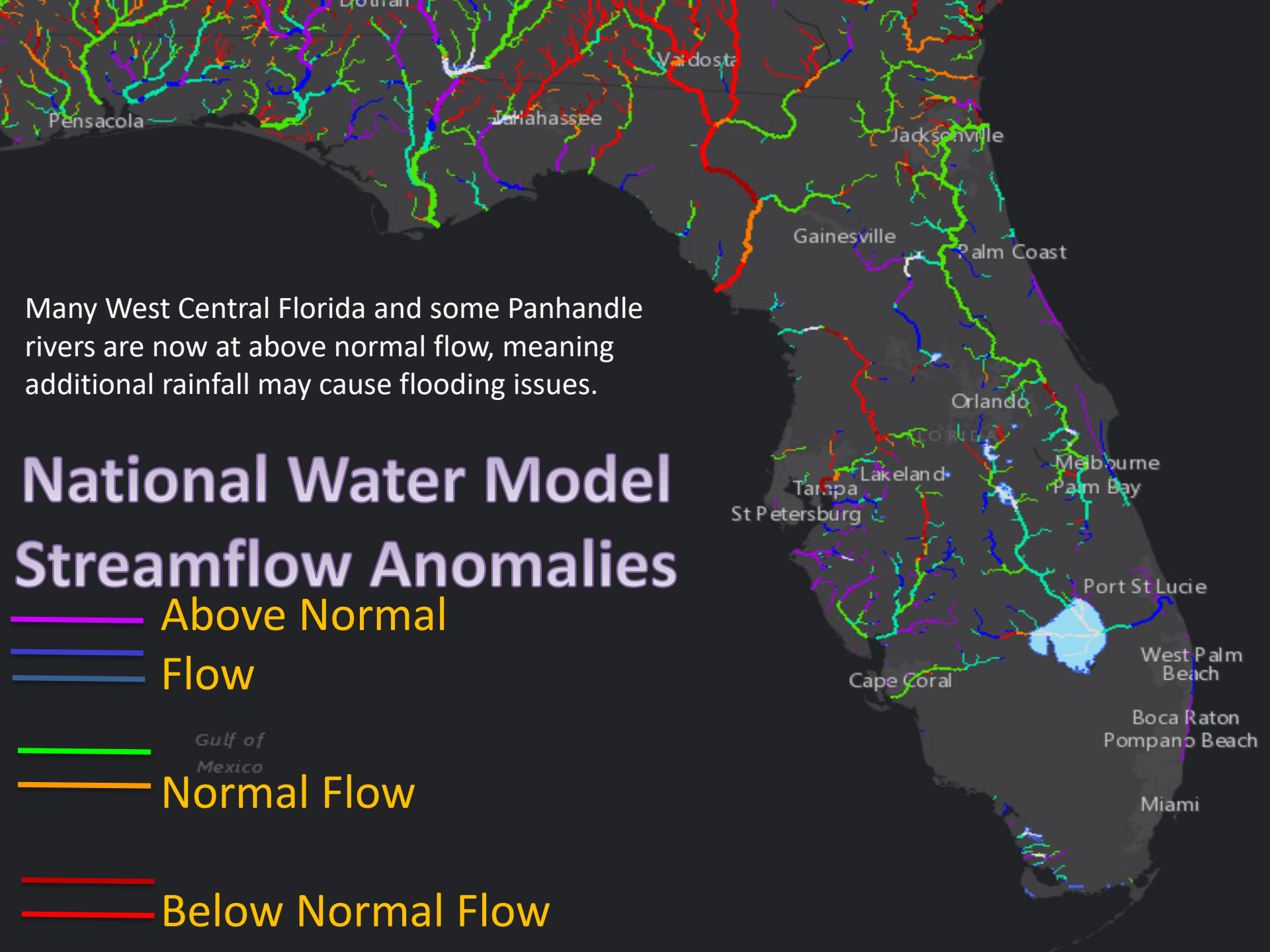


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Rainfall Anomalies Over Past 14 Days

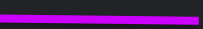
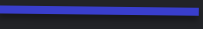
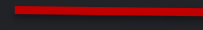


Nearly the entire state has seen excessive rainfall over the past 2 weeks. This has led to saturated soils, and any heavy rainfall could result in flooding.

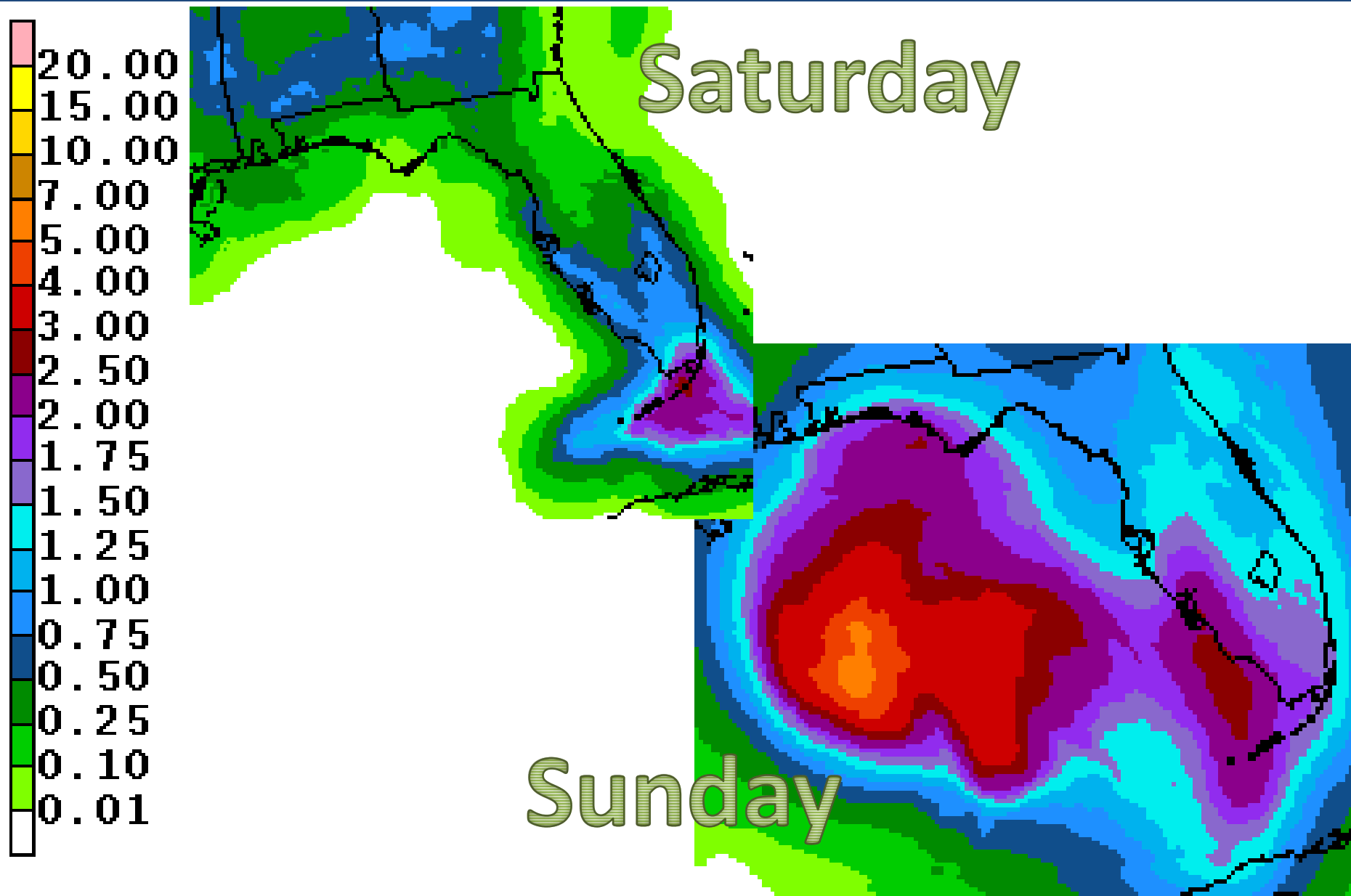


Many West Central Florida and some Panhandle rivers are now at above normal flow, meaning additional rainfall may cause flooding issues.

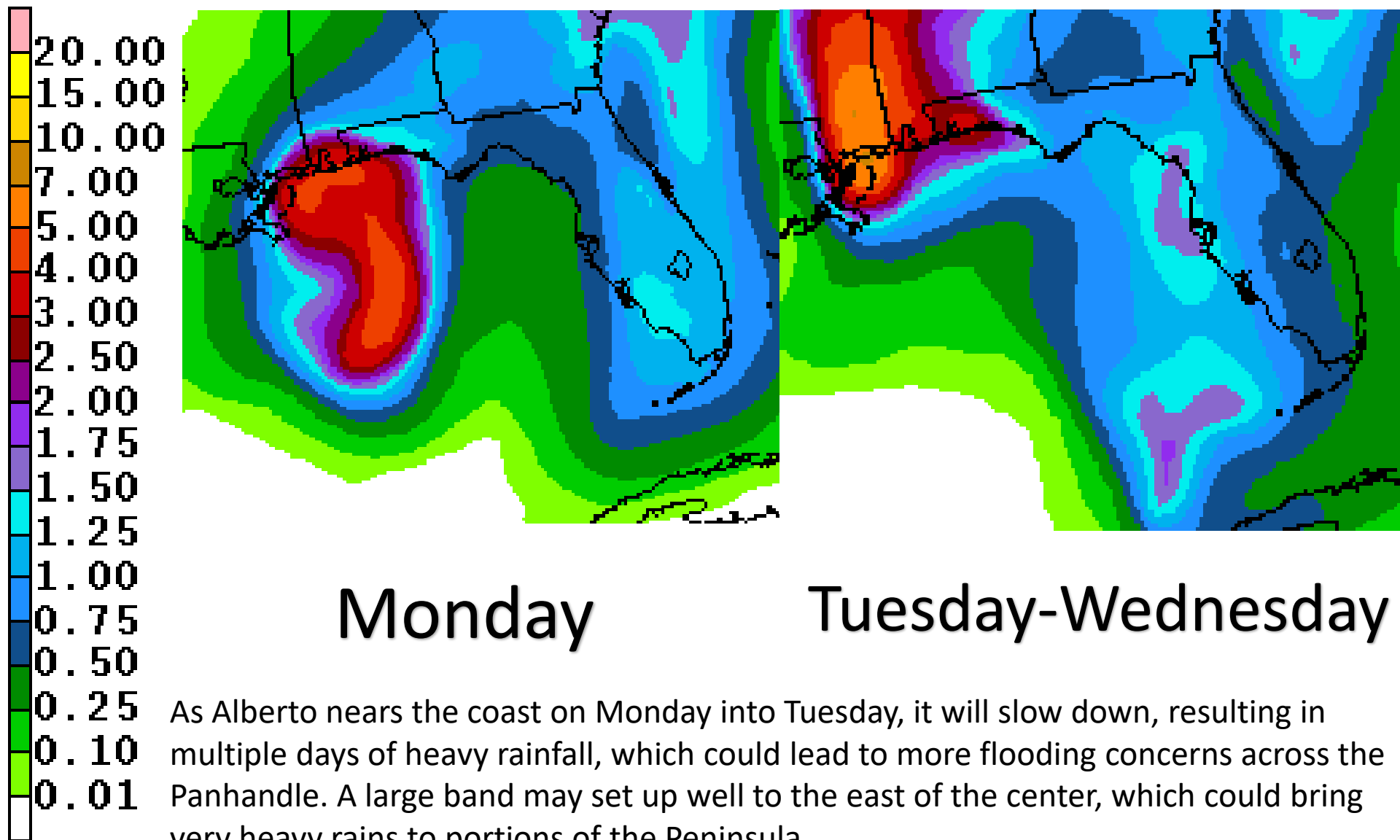
National Water Model Streamflow Anomalies

-  Above Normal
-  Flow
-  Normal Flow
-  Below Normal Flow

Forecast Total Rainfall Accumulations for Fri.-Sat.



Forecast Total Rainfall Accumulations

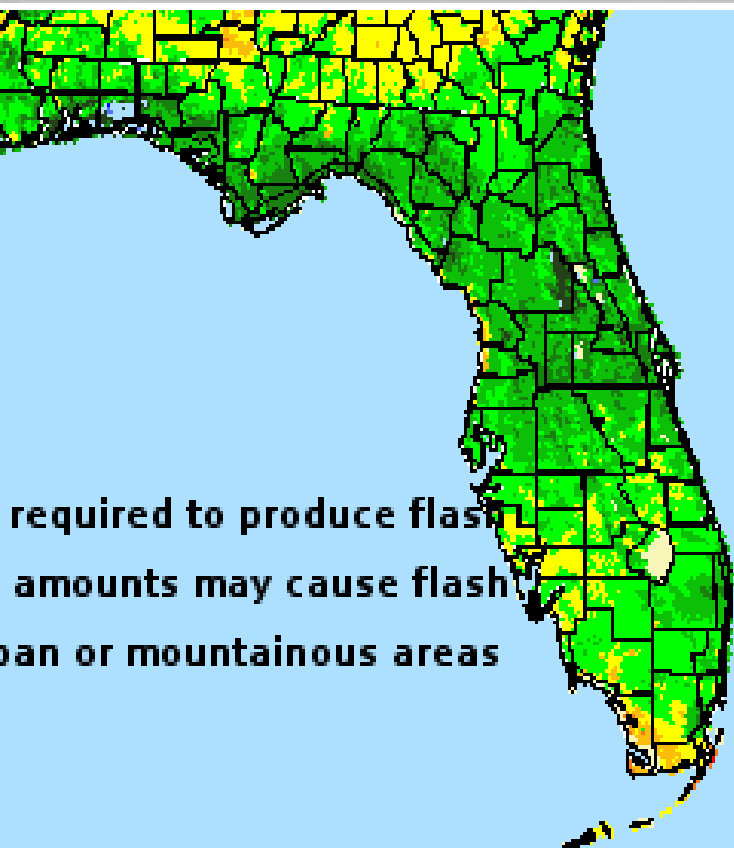


As Alberto nears the coast on Monday into Tuesday, it will slow down, resulting in multiple days of heavy rainfall, which could lead to more flooding concerns across the Panhandle. A large band may set up well to the east of the center, which could bring very heavy rains to portions of the Peninsula.



3-hr Flash Flood Guidance

Valid: 05/25/2018 @ 09:11 AM



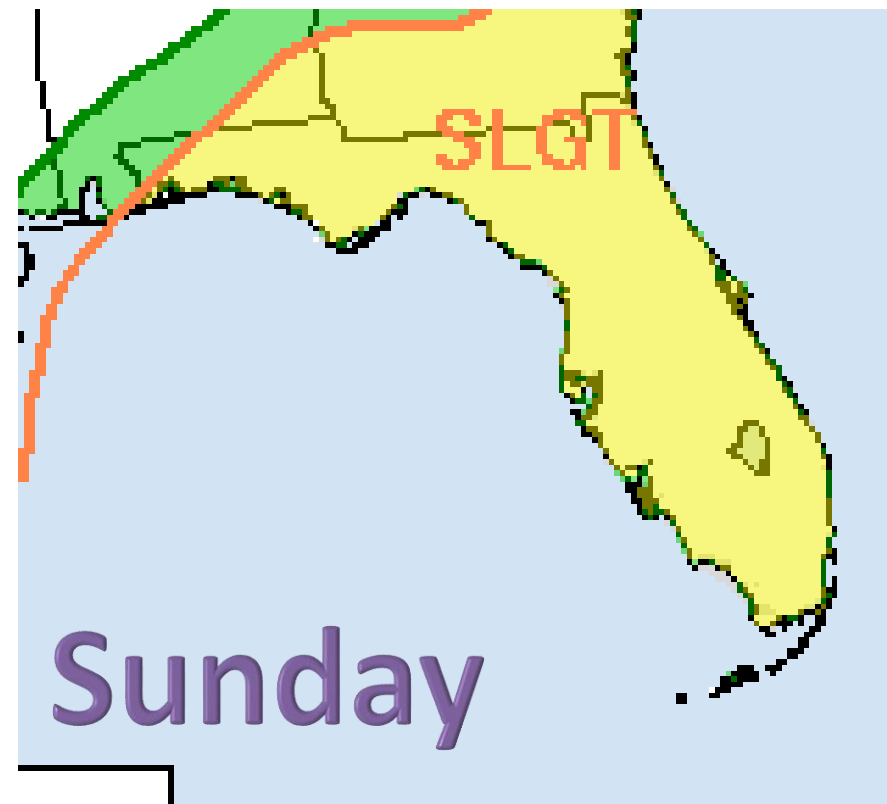
required to produce flash
amounts may cause flash
urban or mountainous areas

Inches

	≥ 0
	≥ 0.25
	≥ 0.5
	≥ 1
	≥ 1.5
	≥ 2
	≥ 2.5
	≥ 3
	≥ 3.5
	≥ 4
	≥ 4.5
	≥ 5
	≥ 5.5
	≥ 6
	≥ 6.5
	≥ 7
	≥ 8

- Since soils are already saturated, any additional heavy rain (generally 3-4" in 3 hours, 4-6" in 6 hours or 5-8" in 12 hours) will cause flash flooding issues.
- Lower amounts, or 3-6" over a longer time period can still cause flooding of roads and low-lying areas.

Excessive Rain Outlook – Risk for Flash Flooding

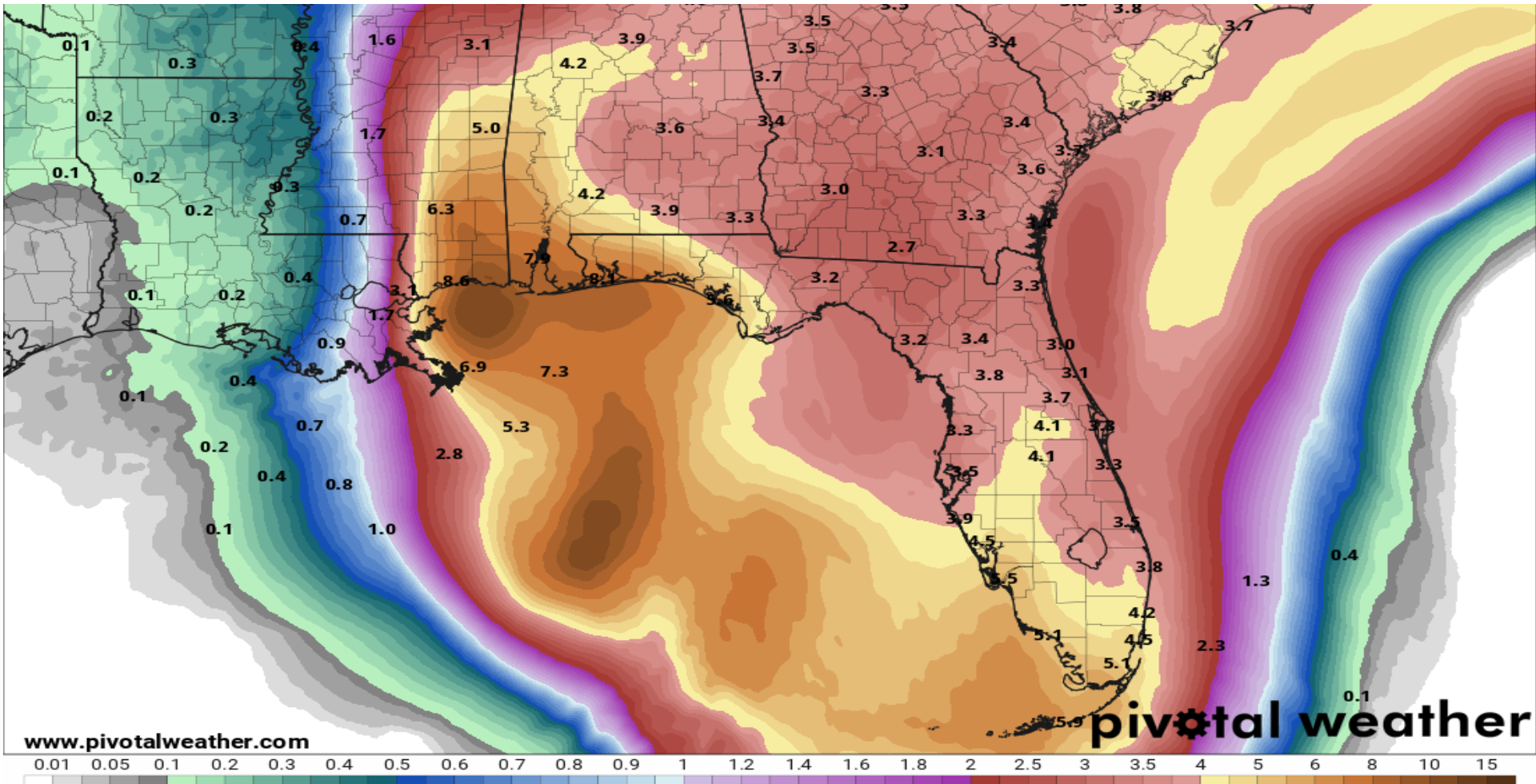


Forecast Total Rainfall Accumulations for next 7 Days

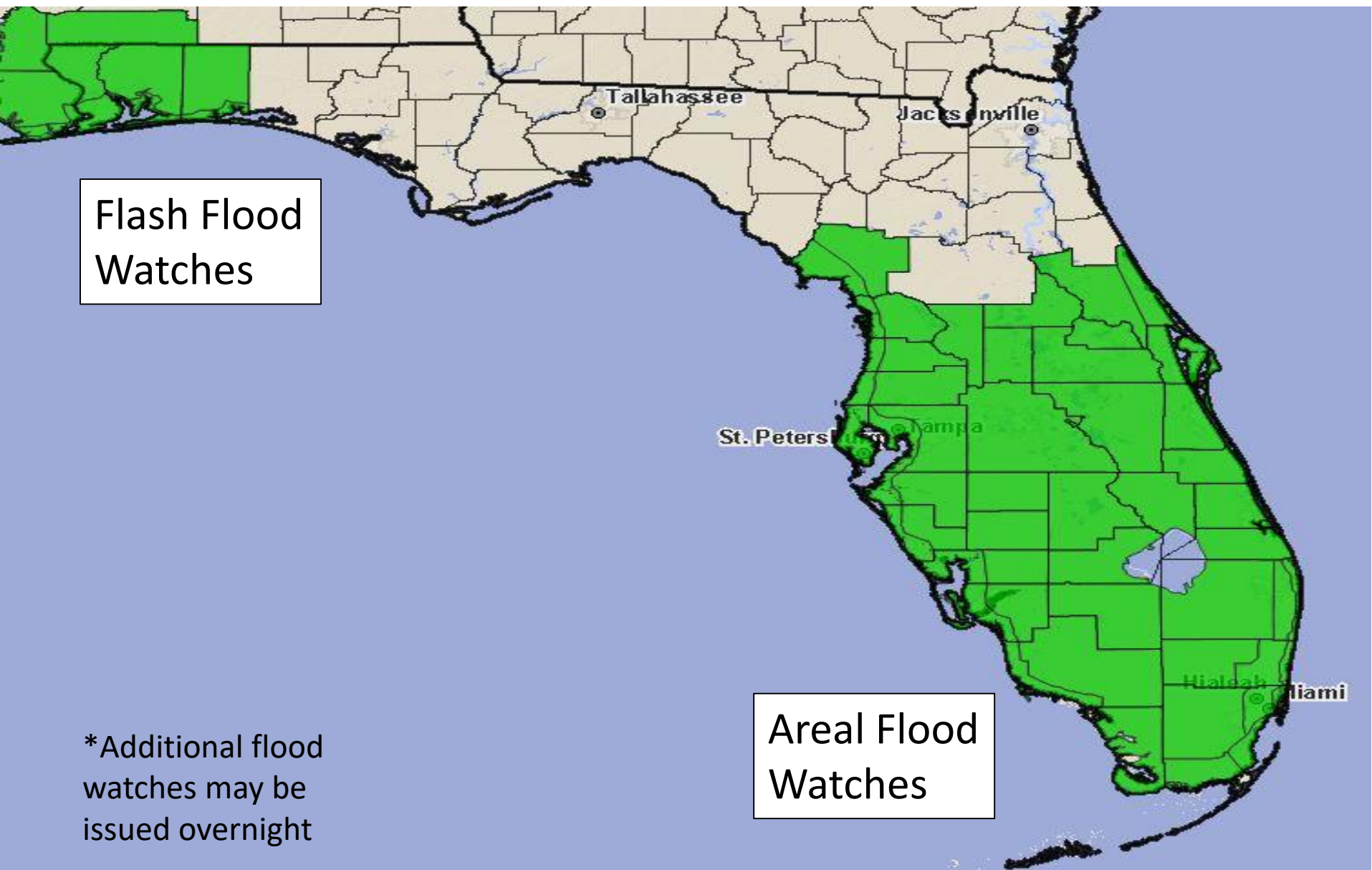
7-Day Precipitation (in)
Ending Friday, Jun. 1, 2018 at 8 p.m. EDT

Init: Sat 2018-05-26 00z WPC

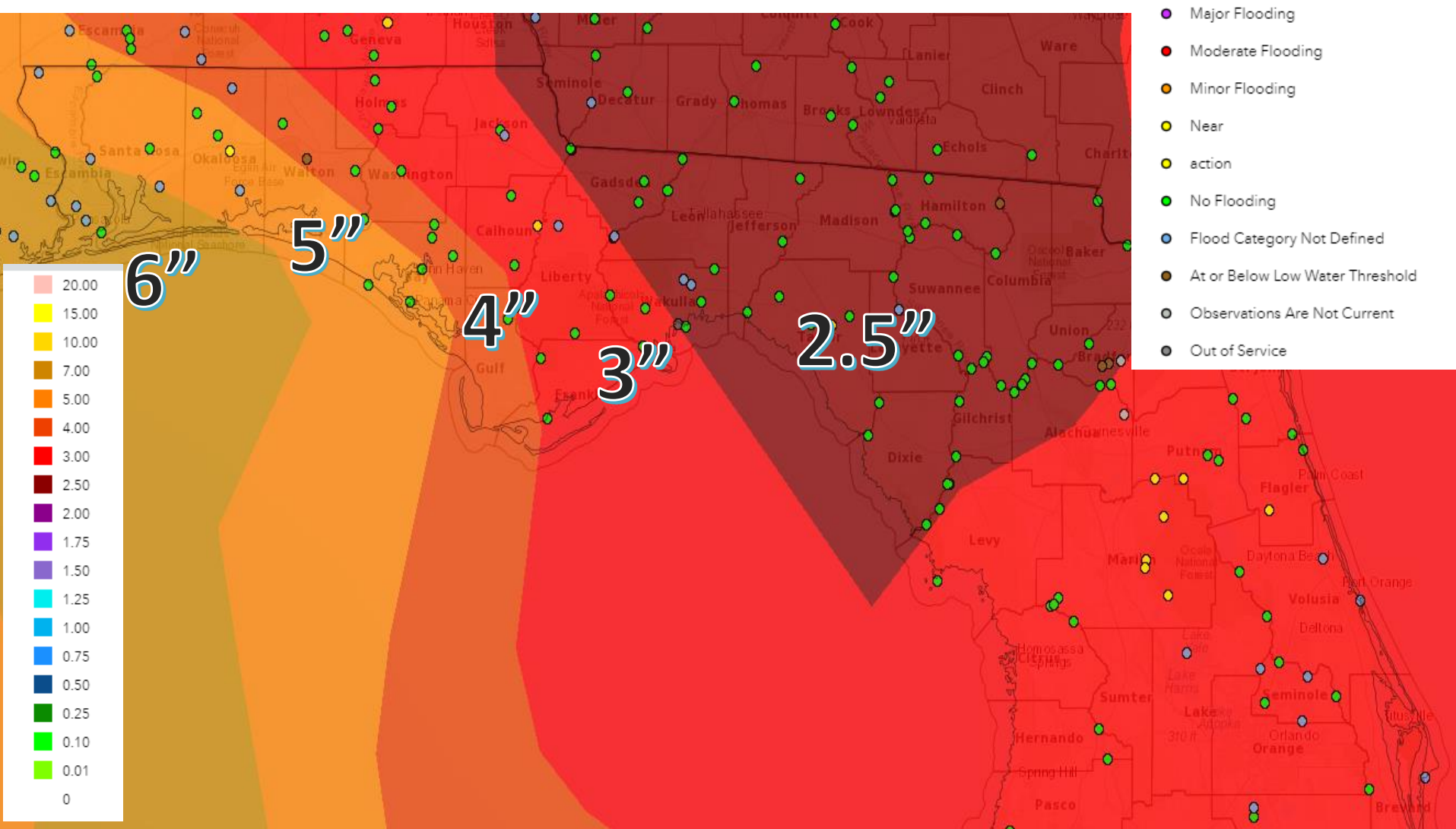
EXACT RAINFALL AMOUNTS WILL DEPEND ON THE STRUCTURE AND TRACK OF 90L, WHICH COULD BE HIGHER OR LOWER THAN WHAT IS SHOWN. At this time, widespread average rainfall amounts of 3-6" inches are possible statewide, with isolated higher totals of 7 to 13 inches possible over portions of the Panhandle and South Florida. This should result in street flooding and river flooding, especially in areas where several storms repeatedly move over the same area.



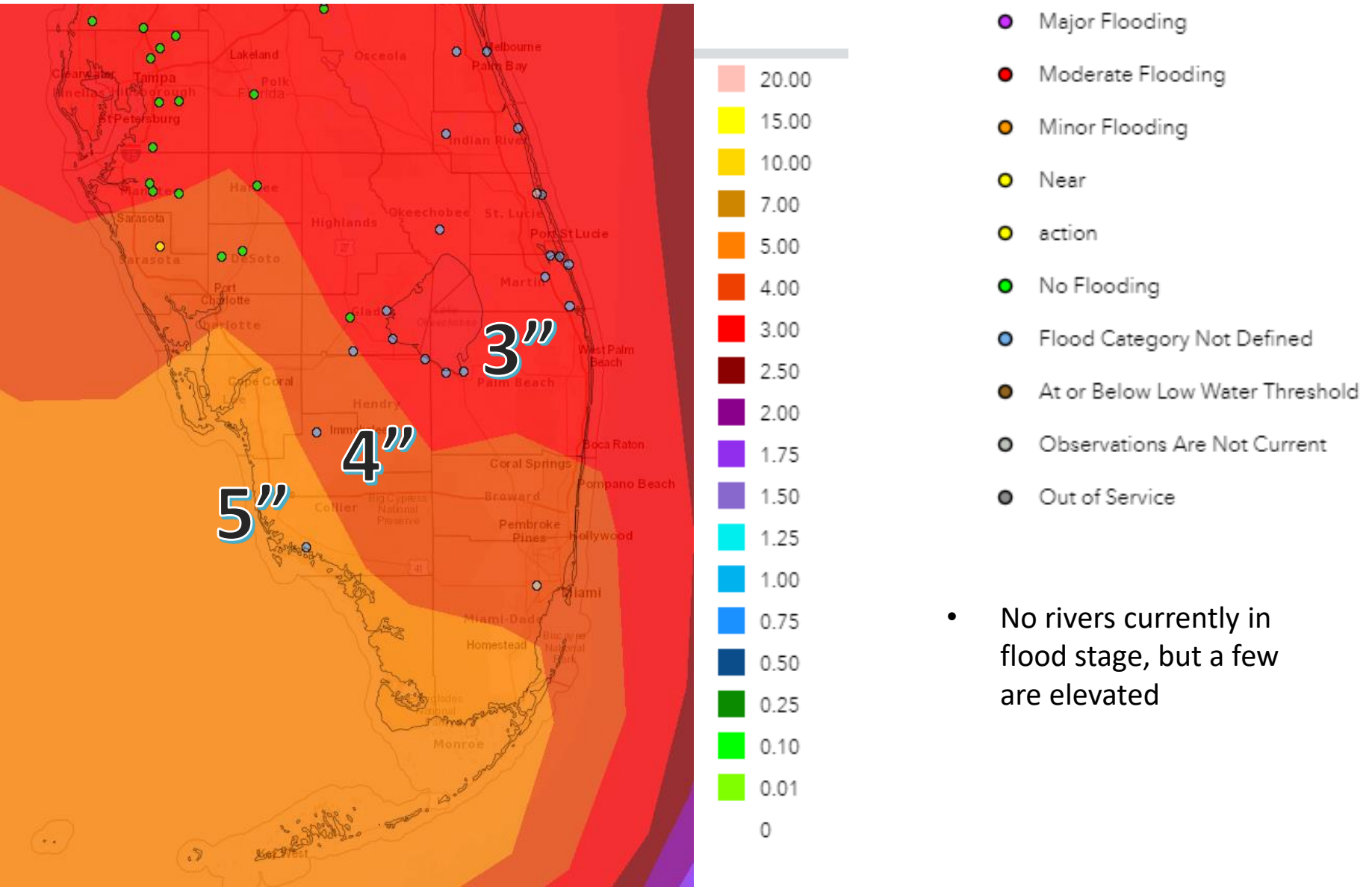
Current Flood Watches



Current River Status Overlayed with Forecast Rainfall Over Next 7 Days



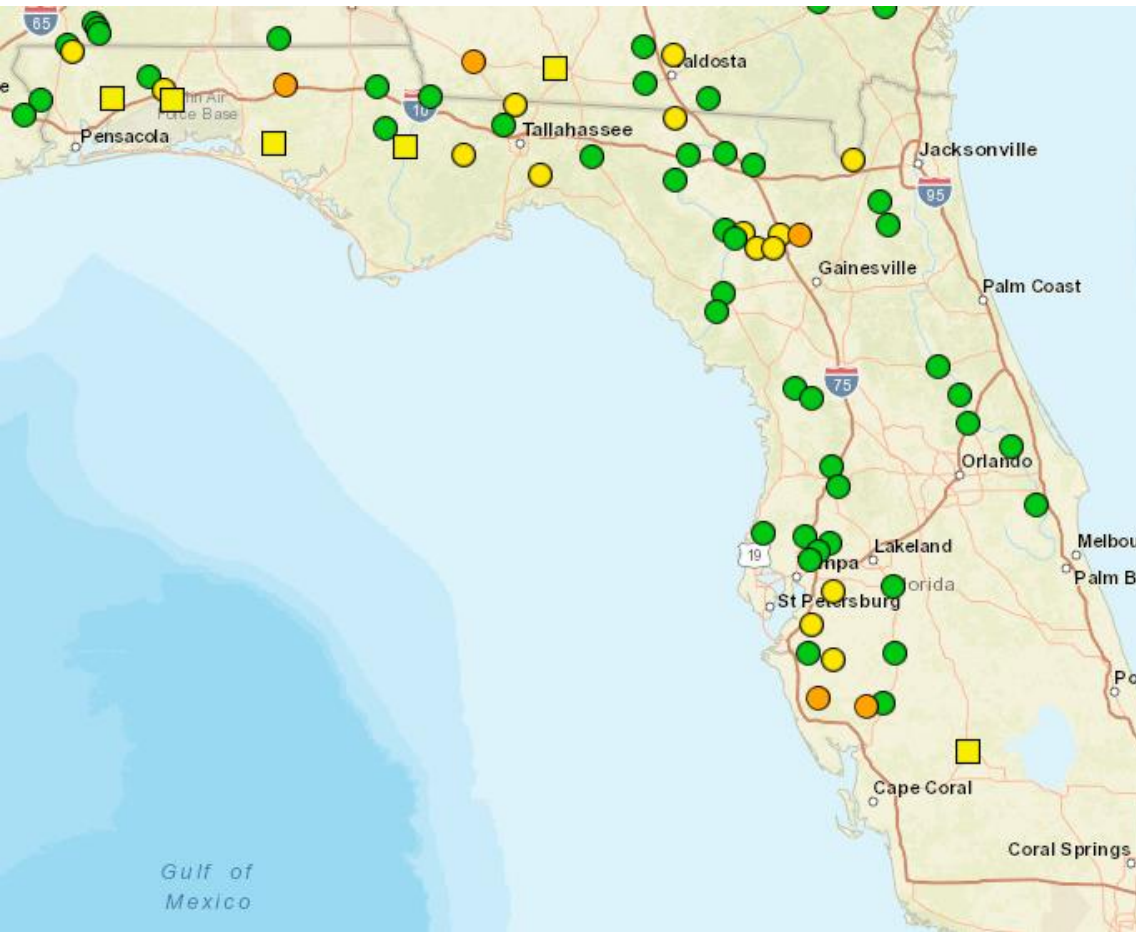
Current River Status Overlayed with Forecast Rainfall Over Next 7 Days



- No rivers currently in flood stage, but a few are elevated

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		

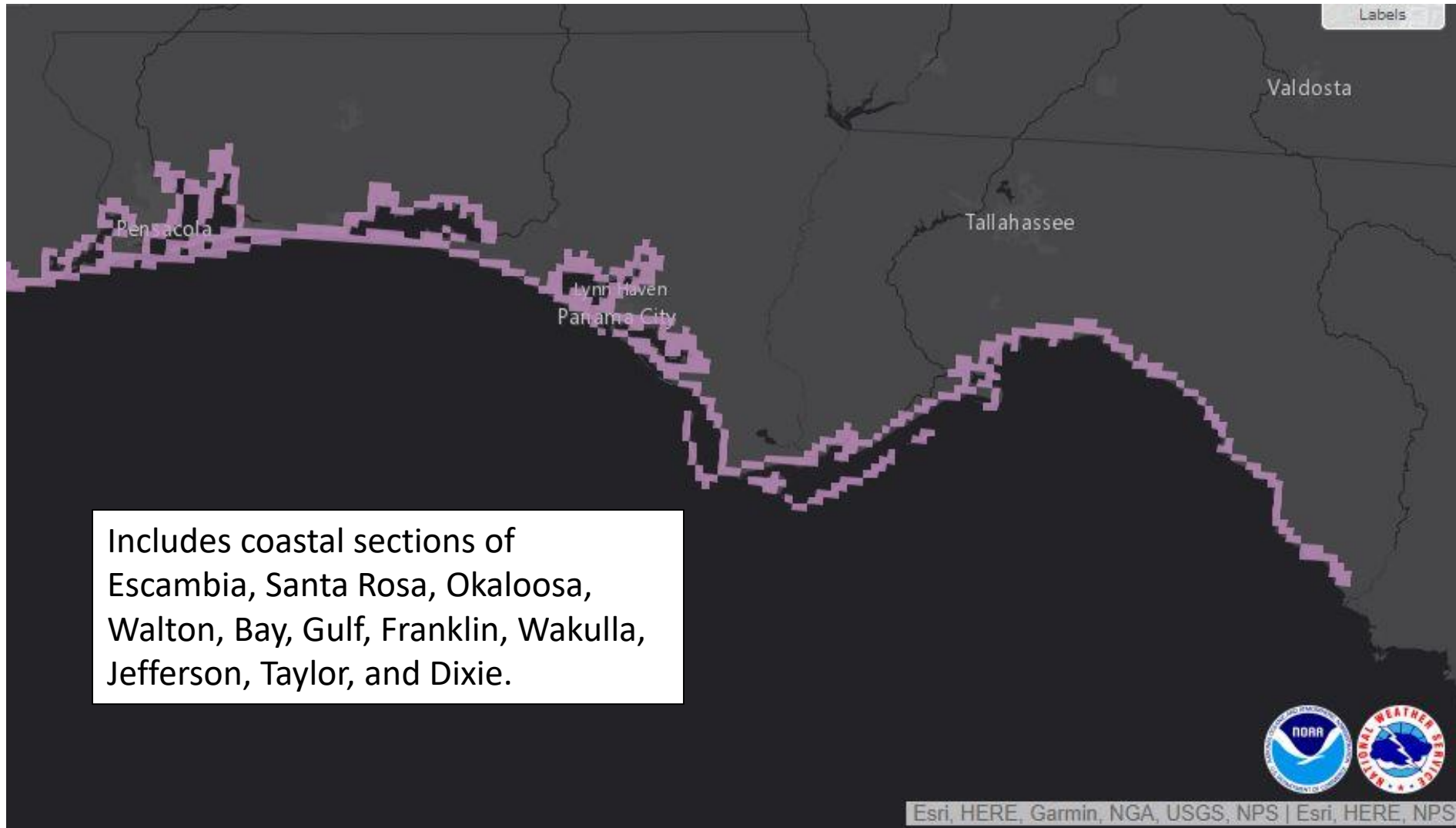
Storm Surge Watch

Zoomable maps available here:

https://www.nhc.noaa.gov/refresh/graphics_at1+html/152536.shtml?wsurge#contents

Probabilistic Storm Surge

https://www.nhc.noaa.gov/refresh/graphics_at1+html/152536.shtml?inundation#contents



Summary

- Sub-Tropical Storm Alberto developed from Invest Area 90L this morning at 11am EDT.
- As of the 5pm EDT advisory, Sub-Tropical Storm Alberto was located approximately 750 miles south of Pensacola, Florida in the western Caribbean. Maximum sustained winds were at 40 mph.
- Alberto was moving to the east at 2 mph but had been nearly stationary over the course of the day.
- The Sub-Tropical name means that Alberto has some non-tropical and tropical characteristics. The main difference is that most of the rain and wind are displaced from the center, but overall impacts will be the same to the state regardless if the system is tropical or sub-tropical.
- Alberto will slowly move northward over the next 48 hours. By Sunday night, Alberto will turn northwest and near the coast of the Central Gulf Coast.
- Once in the Gulf of Mexico, conditions will become more favorable for development. Alberto is likely to strengthen to a moderate tropical storm. While this is the more likely scenario, a strong tropical storm or minimal hurricane cannot be ruled out, especially if the system moves slower.
- Computer models today have slowed from previous runs and now predict landfall not occurring until Monday Night or early Tuesday morning.
- Additionally, many models predict that once the system reaches the coast, it could linger over the region into the middle part of next week, increasing the rainfall totals and a continuing the threat for flooding.
- Hurricane Hunter reconnaissance aircraft investigated the system this afternoon and additional flights will continue regularly until the system is no longer a threat.
- There are no other areas of interest for tropical development in the Atlantic.

Florida Outlook

- Nearly the entire Florida Panhandle is included in the forecast cone for where the center of the storm may track. ***HOWEVER, impacts are still expected statewide!***
- Regardless of track or intensity, this system will result in a multi-day widespread rainfall event that may impact a large portion of Florida, mainly Friday-Monday across the southern half of the state and Sunday through at least next Tuesday for North Florida and portions of Central Florida.
- A Flash Flood Watch is currently in effect for the western Panhandle. Areal Flood Watches are in effect for nearly the entire Peninsula. Additional Flood Watches, Flash Flood Watches and High Surf Advisories may be issued tonight or tomorrow.
- Widespread rainfall amounts of 3-6" are expected statewide, with locally higher amounts of 7-12+" possible, especially for the Florida Panhandle, West Coast of Florida and South Florida.
- River flooding will also be a concern for portions of the state, especially in West Central Florida, North-Central Florida and the Florida Panhandle/Big Bend.
- Increased wave heights are also expected along all Florida beaches and will lead to a high risk of rip currents for the holiday weekend in addition to minor beach erosion.
- Tropical Storm Watches are now in effect for coastal portions of Escambia, Santa Rosa, Okaloosa, Walton, Bay, and Gulf County (Indian Pass westward). Any tropical storm force winds (39mph or greater) will arrive at the earliest Sunday night.
- Storm Surge Watches are now in effect for coastal portions of Escambia, Santa Rosa, Okaloosa, Walton, Bay, Gulf, Franklin, Wakulla, Jefferson, Taylor, and Dixie County (Suwanee River westward). Storm surge values of 2-4' will be possible starting on Sunday.
- Isolated tornadoes will be possible across South and Central Florida tomorrow and then in the Panhandle and Big Bend Sunday and Monday.

Another briefing packet will be issued Saturday morning. For more information on this system visit the NHC website at www.nhc.noaa.gov.



TROPICAL UPDATE

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State Meteorological Support Unit

Florida Division of Emergency Management

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