



TROPICAL UPDATE

5 PM EDT

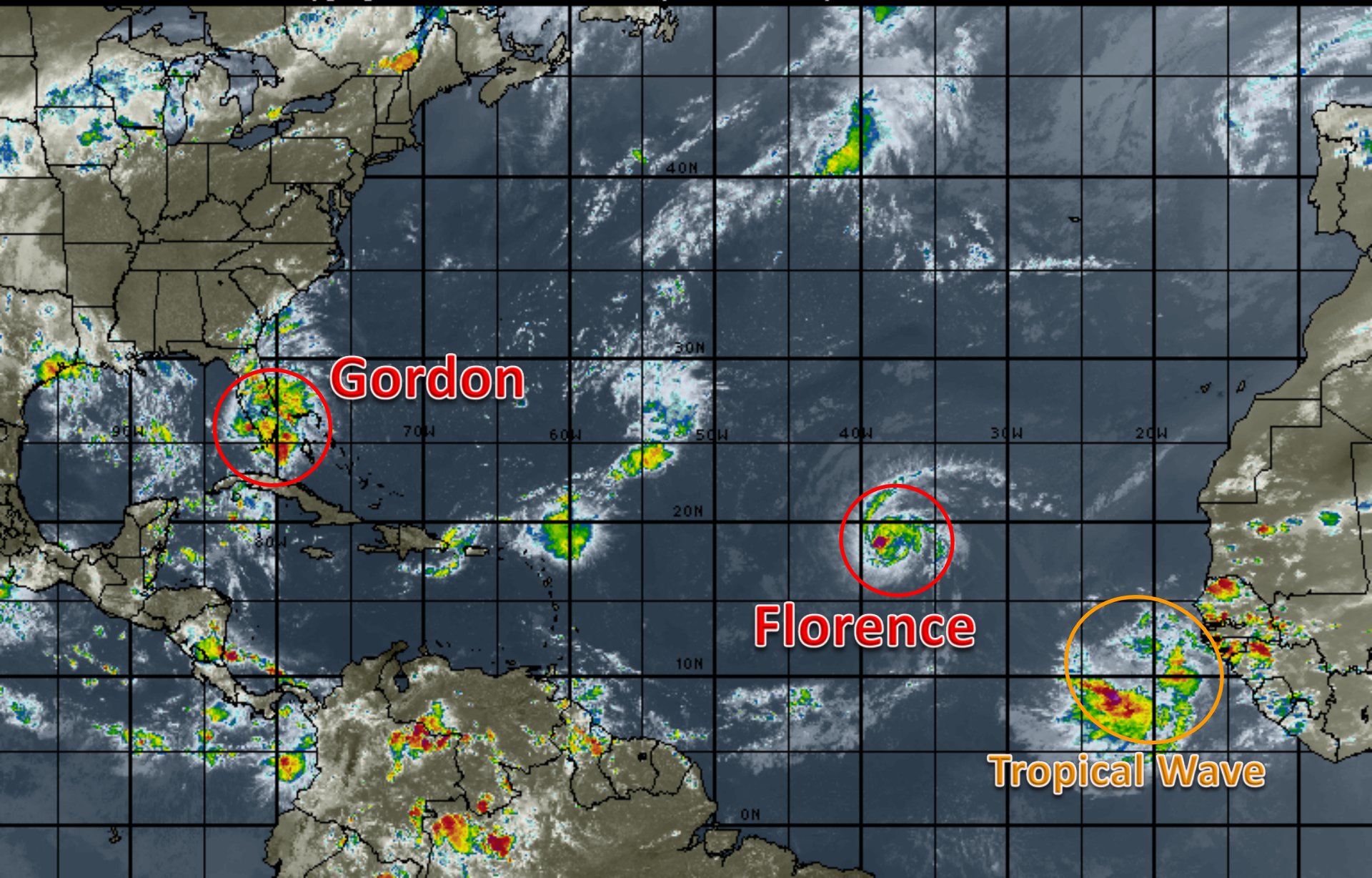
Monday, September 3, 2018

**Tropical Storm Florence, Tropical Storm
Gordon, & Invest 92L (40%)**

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 03-SEP-2018 GMT Copyright © 1998-2018 WSI Corporation <http://www.wsi.com>





Five-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



www.hurricanes.gov

All Disturbances

The National Hurricane Center is issuing advisories on Tropical Storm Florence, located over the eastern Atlantic Ocean and Tropical Storm Gordon, located over the southeastern Gulf of Mexico.

A tropical wave located more than 400 miles southeast of the Cabo Verde Islands is producing a large area of disorganized showers and thunderstorms. Some slow development of this disturbance is possible during the next several days while the system moves westward to west-northwestward across the eastern tropical Atlantic.

- * Formation chance through 48 hours...**low...10 percent.**
- * Formation chance through 5 days...**medium...40 percent.**

GORDON

FLORENCE

2:00 pm EDT
Mon Sep 3 2018

100W 90W 80W 70W 60W 50W 40W 30W 20W

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

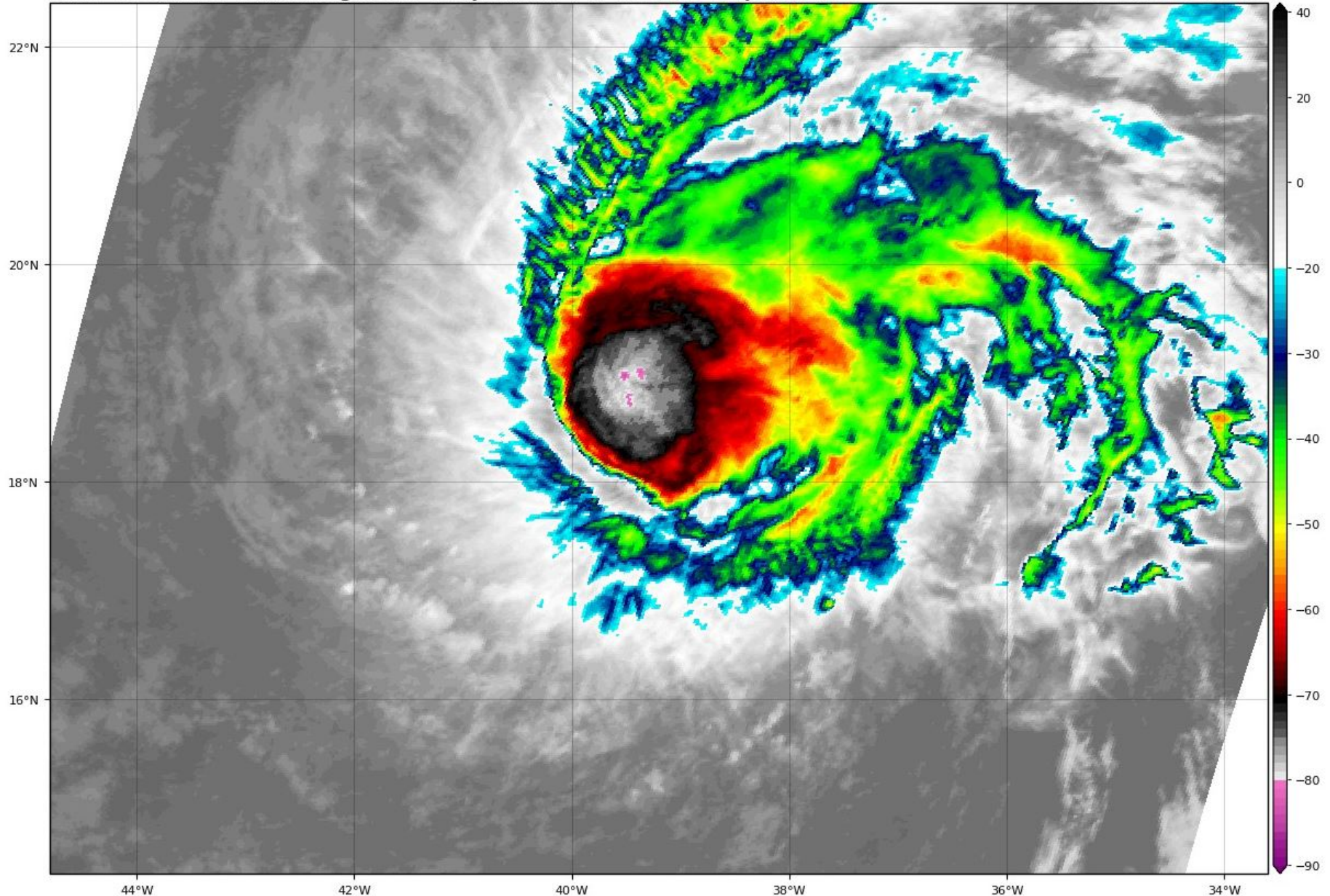
Tropical or Sub-Tropical Cyclone: Depression Storm Hurricane

Post-Tropical Cyclone or Remnants

Tropical Storm Florence Satellite Image

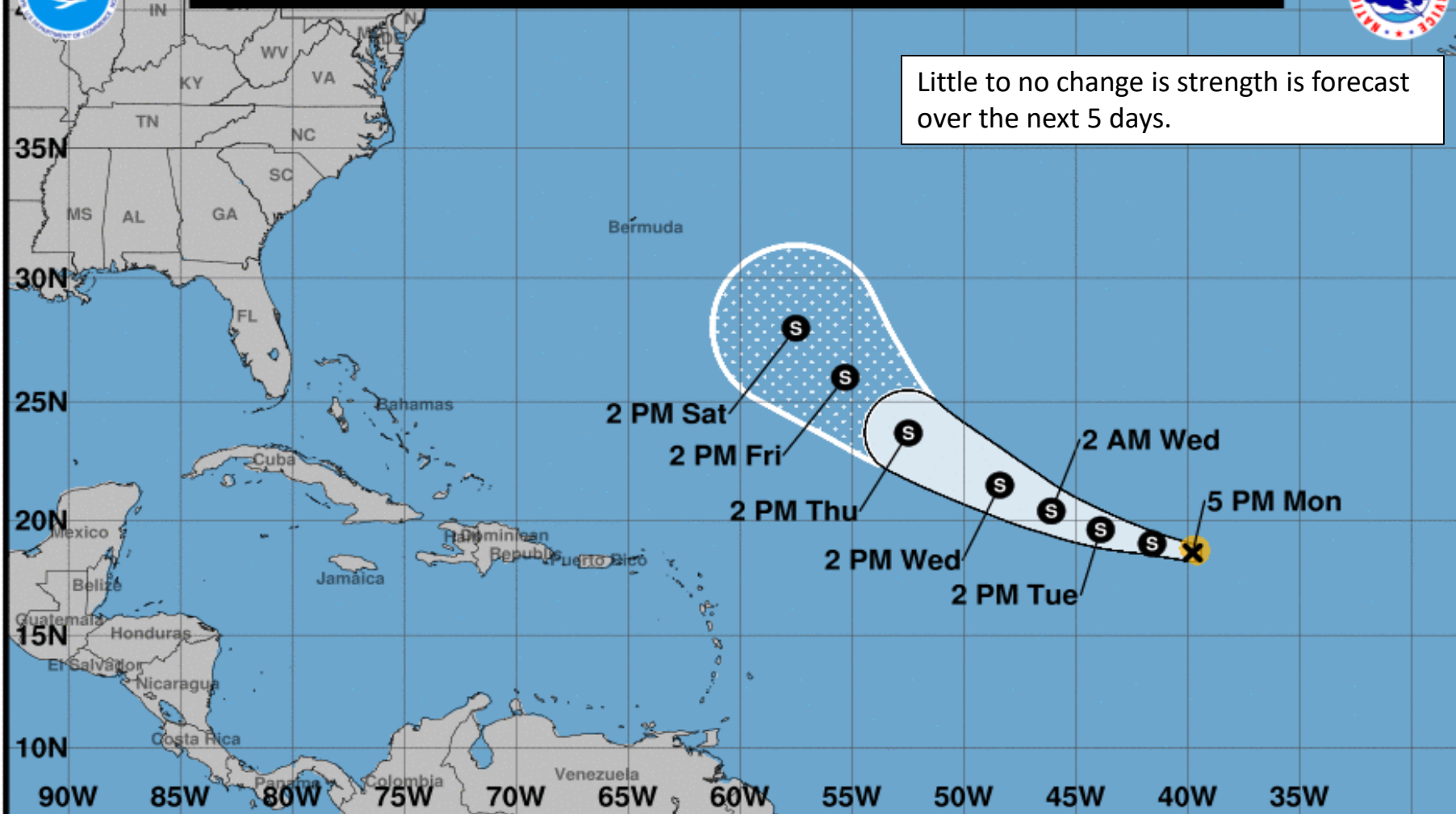
GOES-16 Channel 13 (IR) Brightness Temperature (°C) at 19:50Z Sep 03, 2018

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.



Tropical Storm Florence

Monday September 03, 2018

5 PM AST Advisory 18

NWS National Hurricane Center

Current information: X

Center location 18.6 N 39.8 W

Maximum sustained wind 70 mph

Movement W 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:

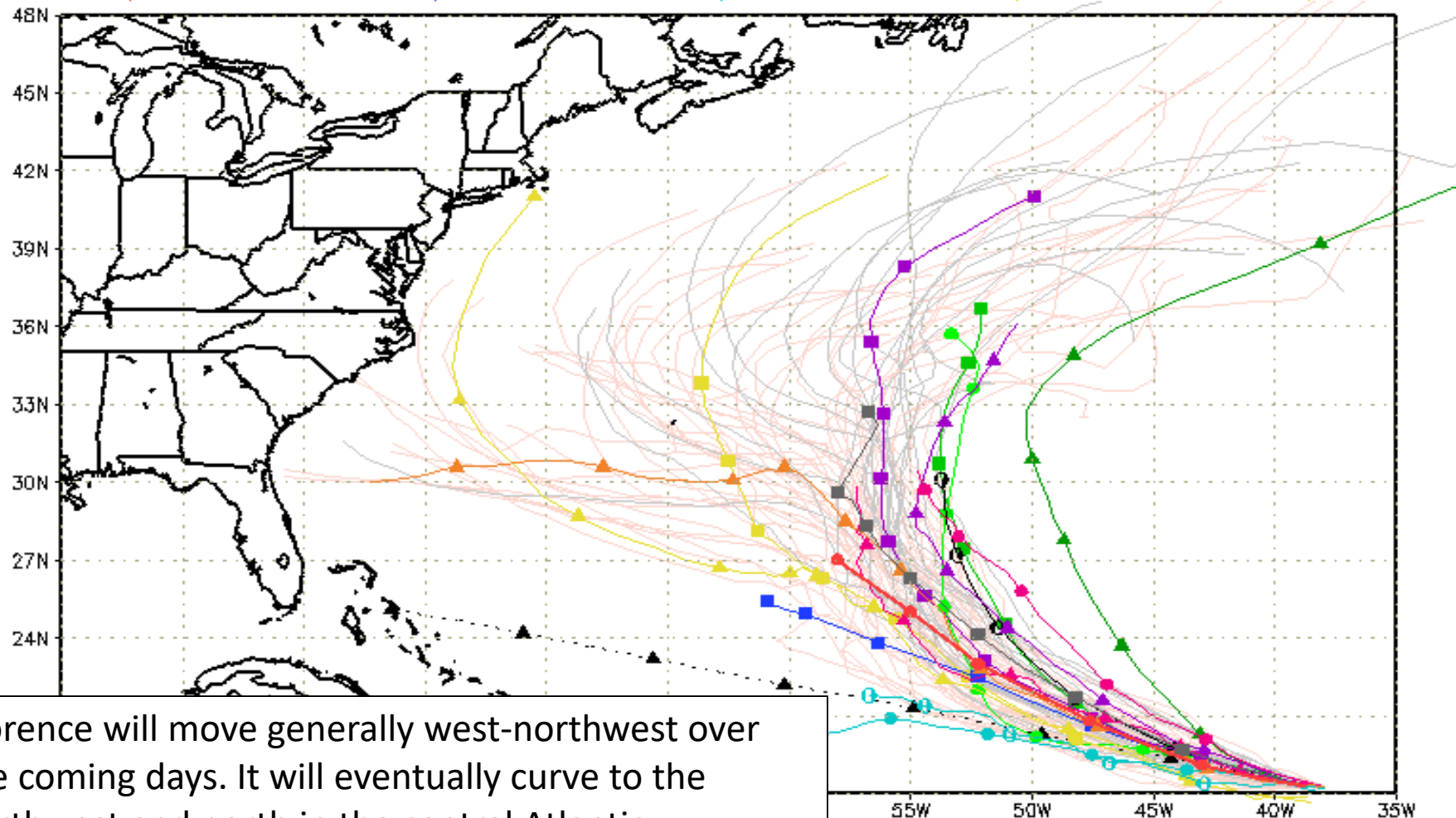
Hurricane Trop Stm

Current wind extent:

Hurricane Trop Stm

Track Models (Florence)

---▲--- XTRP 03/1800Z ▲ TABD 03/1800Z ▲ HMON 03/1200Z ▲ AVNO 03/1200Z ▲ ECMF 03/1200Z
 ---●--- CLP5 03/1800Z ■ TABM 03/1800Z ● HWRF 03/1200Z ■ AEMN 03/1200Z ■ EEMN 03/1200Z
 ---■--- TVCN 03/1800Z ● TABS 03/1800Z ● NVGM 03/1200Z ● APxx 03/1200Z ● EExx 03/1200Z
 ---●--- NHC 03/1500Z ■ UKM 03/1200Z ● COTC 03/1200Z ▲ CMC 03/1200Z ■ CEMN 03/1200Z



Florence will move generally west-northwest over the coming days. It will eventually curve to the northwest and north in the central Atlantic, remaining well to the north of the Caribbean islands. However, there is increasing uncertainty thereafter.

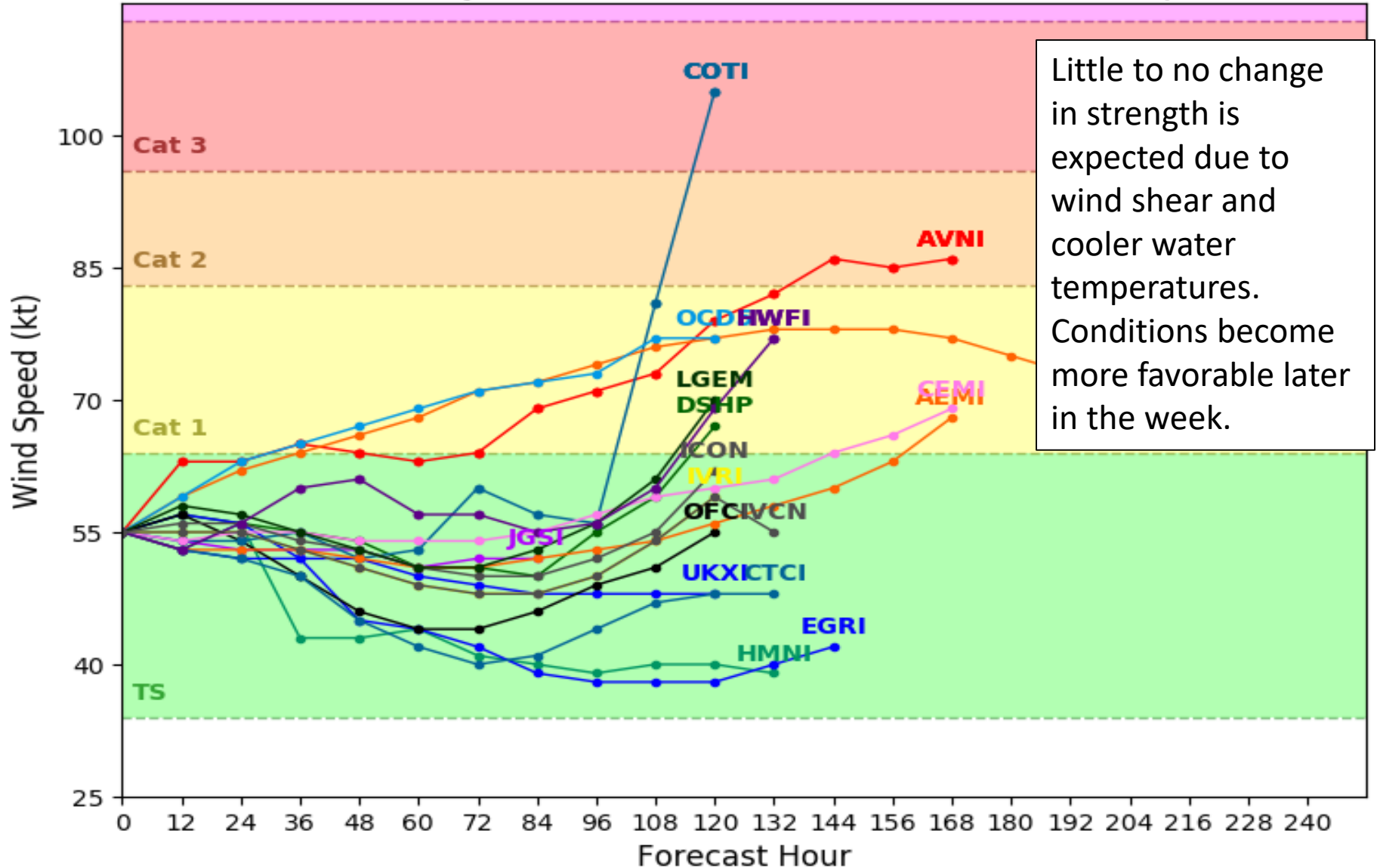
t Statements supersede this product.
 discussions.
 re the entire product.
mmon/images/weather/plots.html



Intensity Models (Florence)

Tropical Storm FLORENCE Model Intensity Guidance

Initialized at 18z Sep 03 2018

Levi Cowan - tropicaltidbits.com

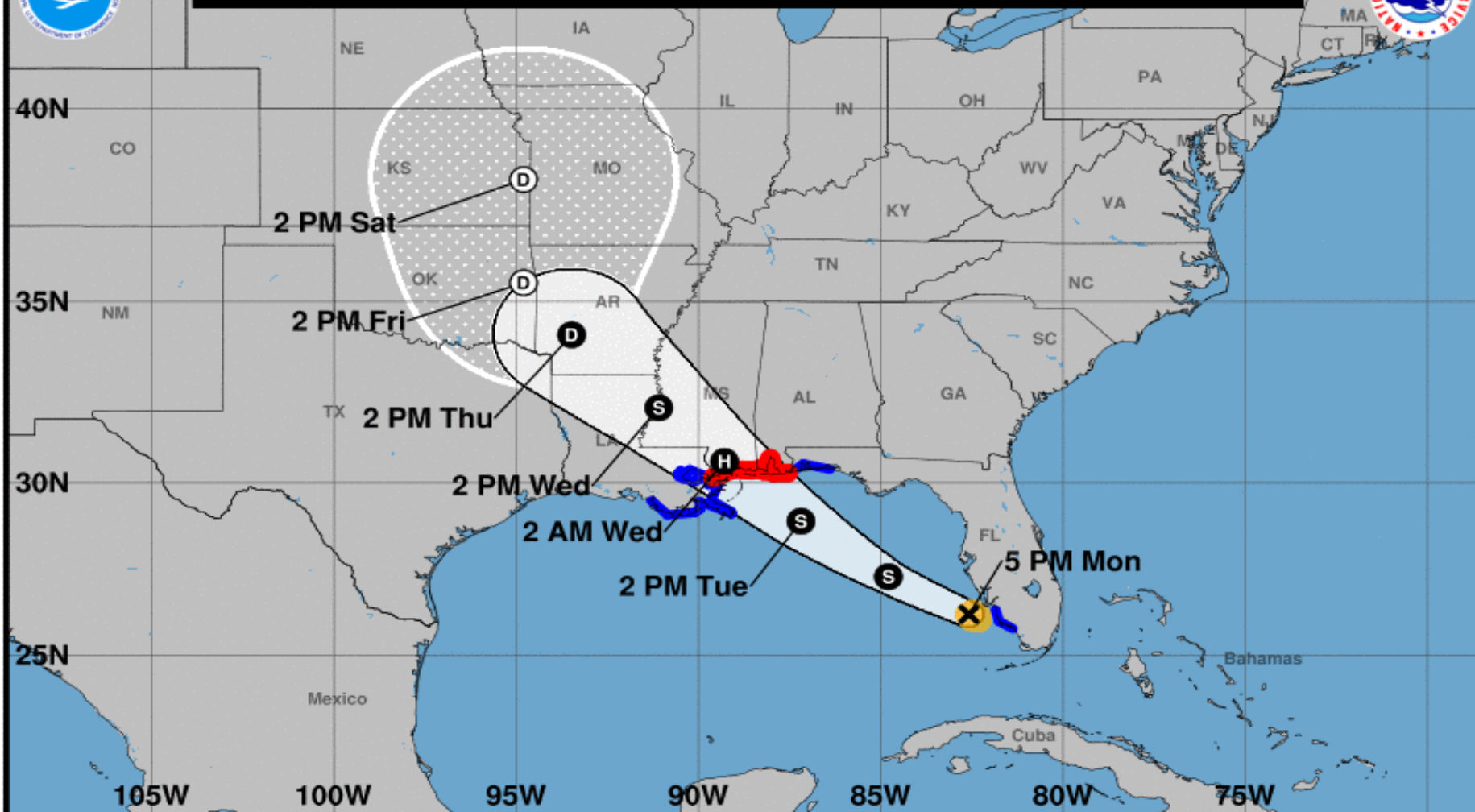
Little to no change in strength is expected due to wind shear and cooler water temperatures. Conditions become more favorable later in the week.

Tropical Storm Gordon Radar 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.



Tropical Storm Gordon

Monday September 03, 2018

5 PM EDT Advisory 6

NWS National Hurricane Center

Current information: X

Center location 26.2 N 82.6 W

Maximum sustained wind 50 mph

Movement WNW at 17 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

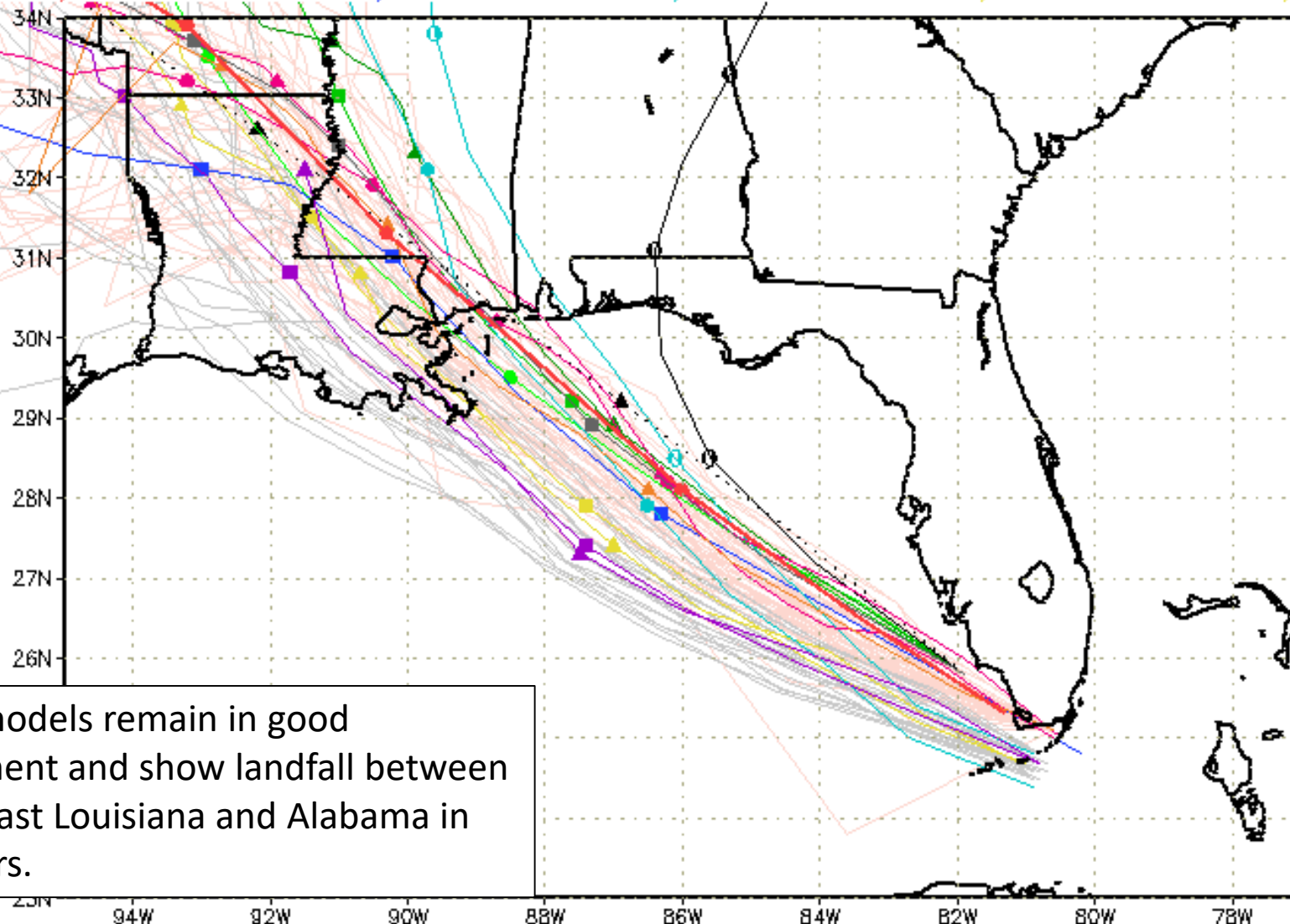
Warnings:

Hurricane Trop Stm

Current wind extent:

Hurricane Trop Stm

--▲-- XTRP 03/1800Z ▲ TABD 03/1800Z ▲ HMON 03/1200Z ▲ AVNO 03/1200Z ▲ ECMF 03/1200Z
 --●-- CLP5 03/1800Z ■ TABM 03/1800Z ● HWRF 03/1200Z ■ AEMN 03/1200Z ■ EEMN 03/1200Z
 --■-- TVCN 03/1800Z ● TABS 03/1800Z ● NVGM 03/1200Z ● APxx 03/1200Z ● EExx 03/1200Z
 --●-- NHC 03/1500Z ■ UKM 03/1200Z ● COTC 03/1200Z ▲ CMC 03/1200Z ■ GEMN 03/1200Z



Track models remain in good agreement and show landfall between Southeast Louisiana and Alabama in 36 hours.

storm_07

sfwmd.gov

weather@sfwmd.gov

03-Sep 16:06EDT

NHC Advisories and County Emergency Management Statements supersede this product. This graphic should complement, not replace, NHC discussions.

If anything on this graphic causes confusion, ignore the entire product.

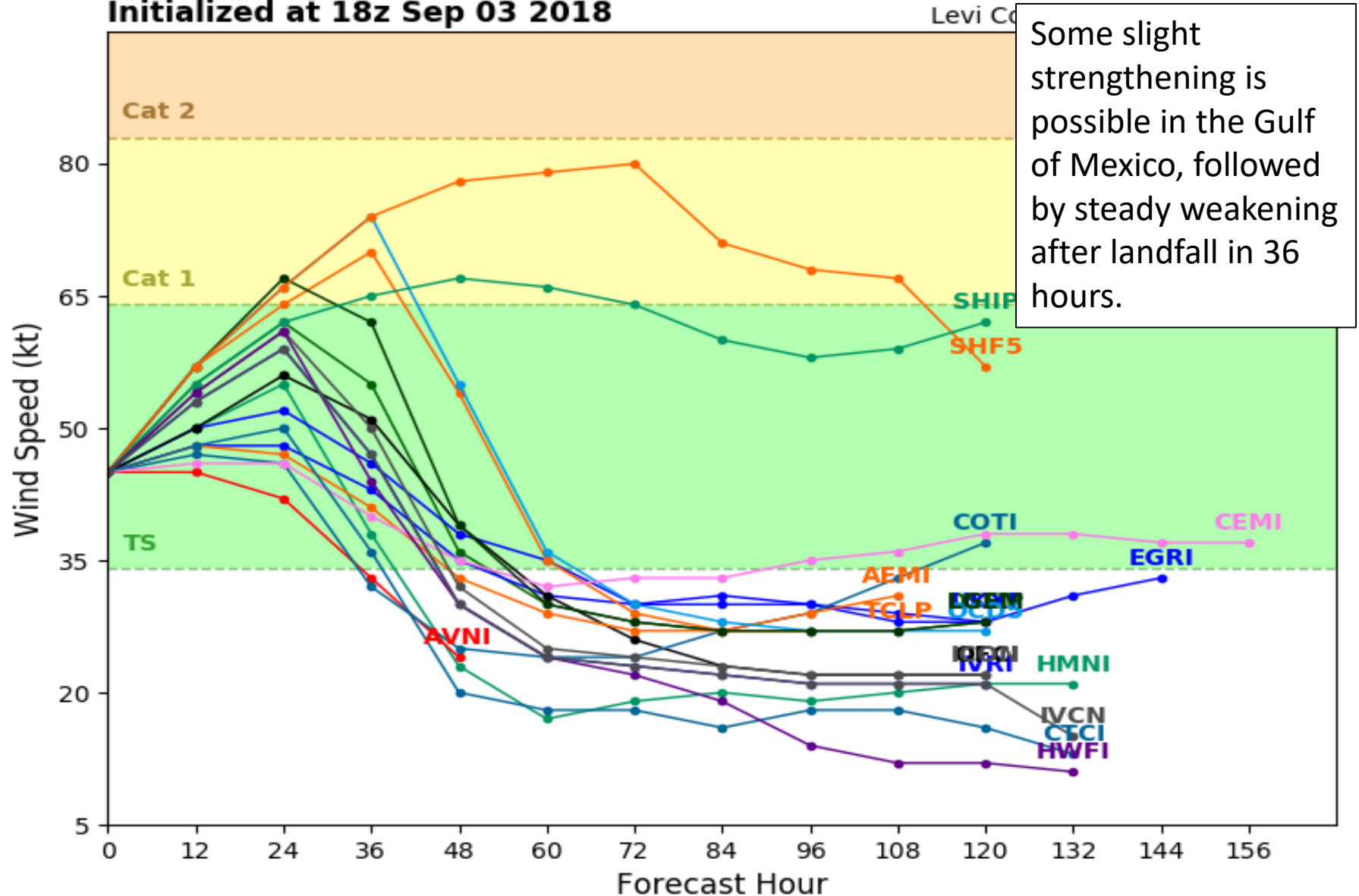
For full info, see <http://my.sfwmd.gov/sfwmd/common/images/weather/plots.html>

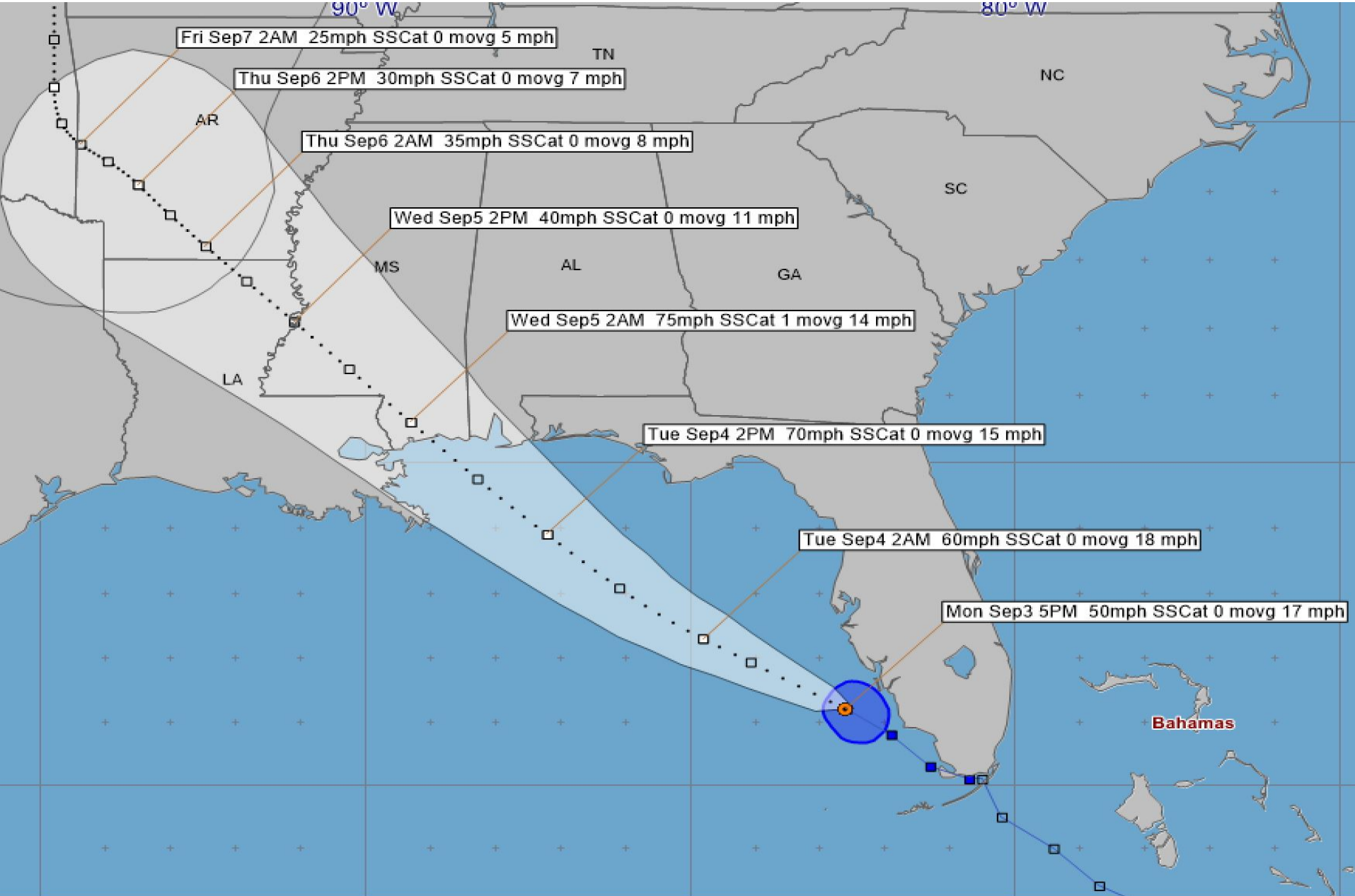


Intensity Models (Gordon)

Tropical Storm GORDON Model Intensity Guidance

Initialized at 18z Sep 03 2018





Tropical Storm Gordon - Monday, September 3, 2018 5 PM EDT Advisory #6

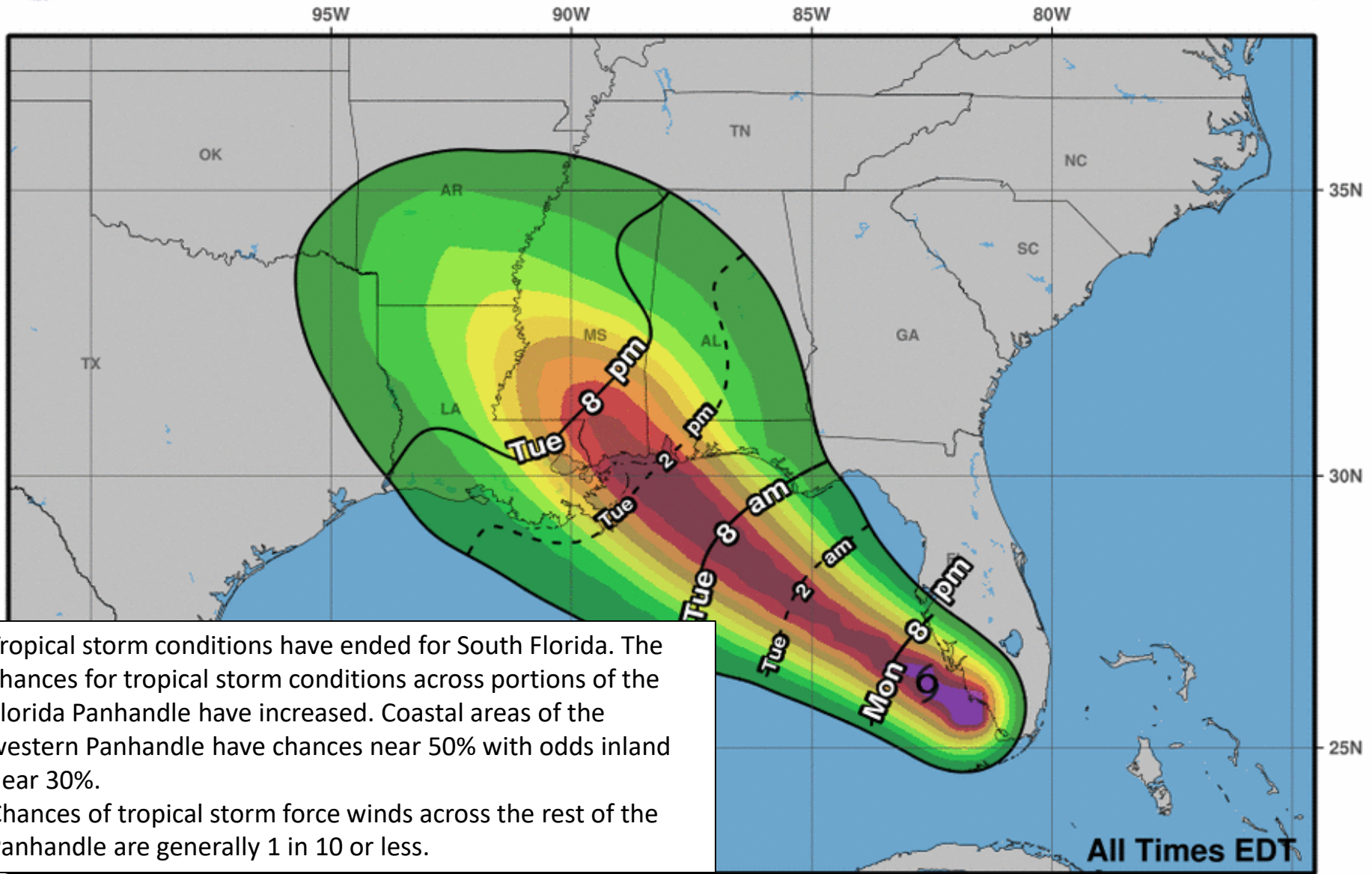
Center Location: 26.2 N 82.6 W Maximum Sustained Winds: 50 mph Movement: 17 mph WNW

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

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



Earliest Reasonable Arrival Time of Tropical-Storm-Force Winds



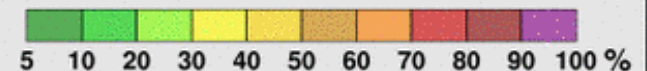
Tropical storm conditions have ended for South Florida. The chances for tropical storm conditions across portions of the Florida Panhandle have increased. Coastal areas of the western Panhandle have chances near 50% with odds inland near 30%.

Chances of tropical storm force winds across the rest of the Panhandle are generally 1 in 10 or less.

Tropical Storm Gordon
Mon. Sep. 3, 2018 5 pm EDT
Advisory 6

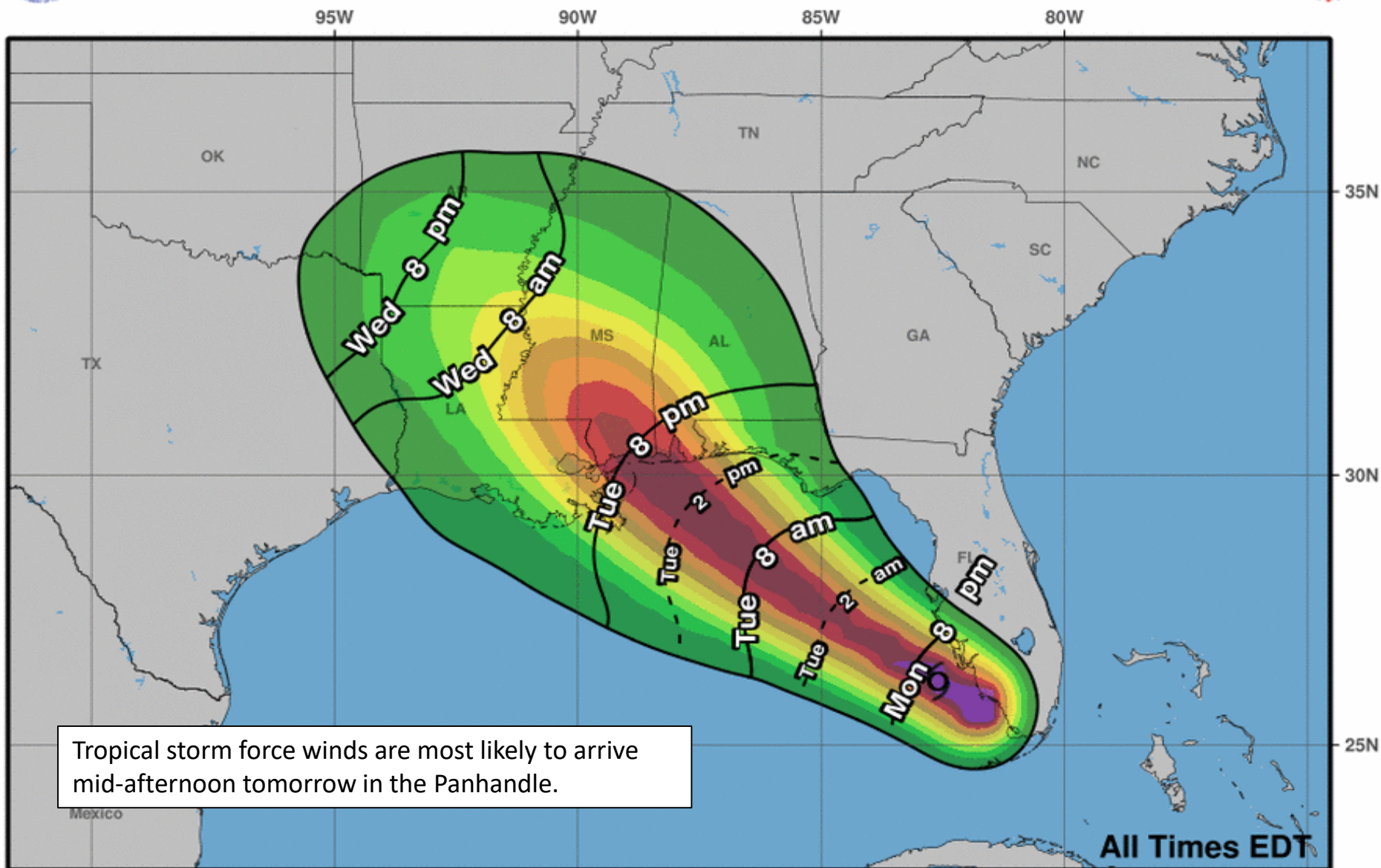
Storm Location & Wind Speed
○ < 34 kt (39 mph)
○ 34-63 kt (39-73 mph)
● ≥ 64 kt (74 mph)

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





Most Likely Arrival Time of Tropical-Storm-Force Winds

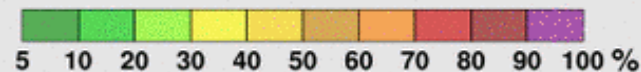


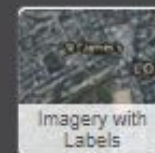
Tropical storm force winds are most likely to arrive mid-afternoon tomorrow in the Panhandle.

Tropical Storm Gordon
Mon. Sep. 3, 2018 5 pm EDT
Advisory 6

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





Hattiesburg

Andalusia

Enterprise

Dothan

Mobile

Pensacola

Callport

Blount

Lynn Haven
Panama City

Storm Surge Watches have been issued for Escambia and Santa Rosa County. Some inundation of 2-4' tomorrow afternoon/evening is *possible*.



Interactive Inundation Map:

https://www.nhc.noaa.gov/refresh/graphics_at2+shtml/152326.shtml?inundation#contents



Esri, HERE, Garmin, NGA, USGS, NPS | Esri, HERE, NPS

0 15 30mi

 Storm Surge Warning
 Storm Surge Watch



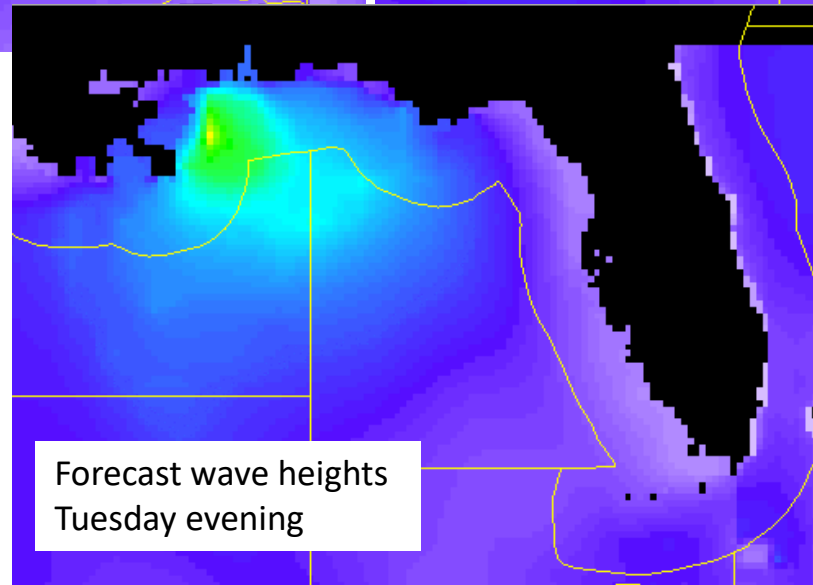
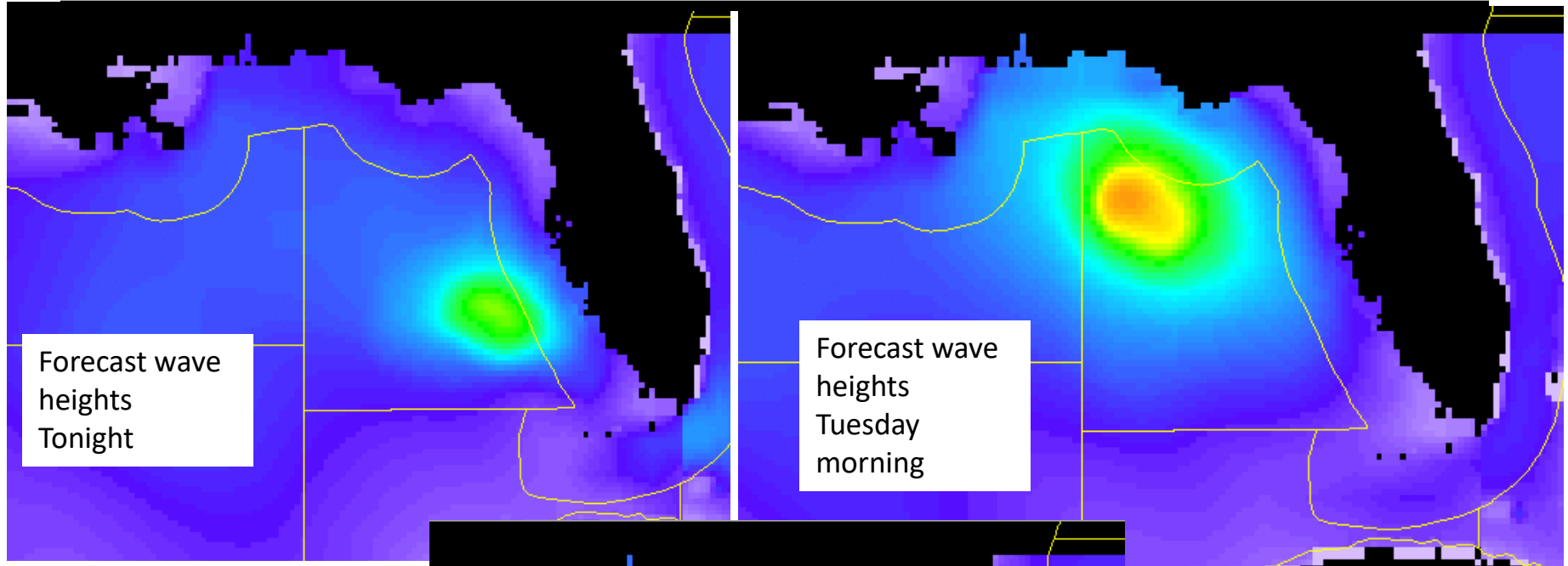
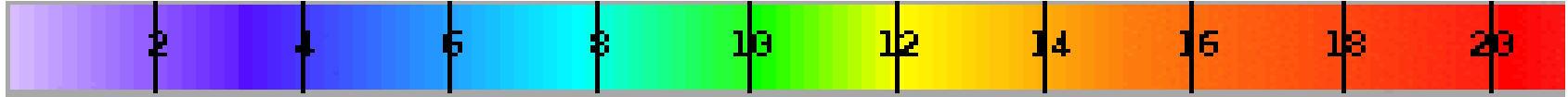
TROPICAL STORM GORDON

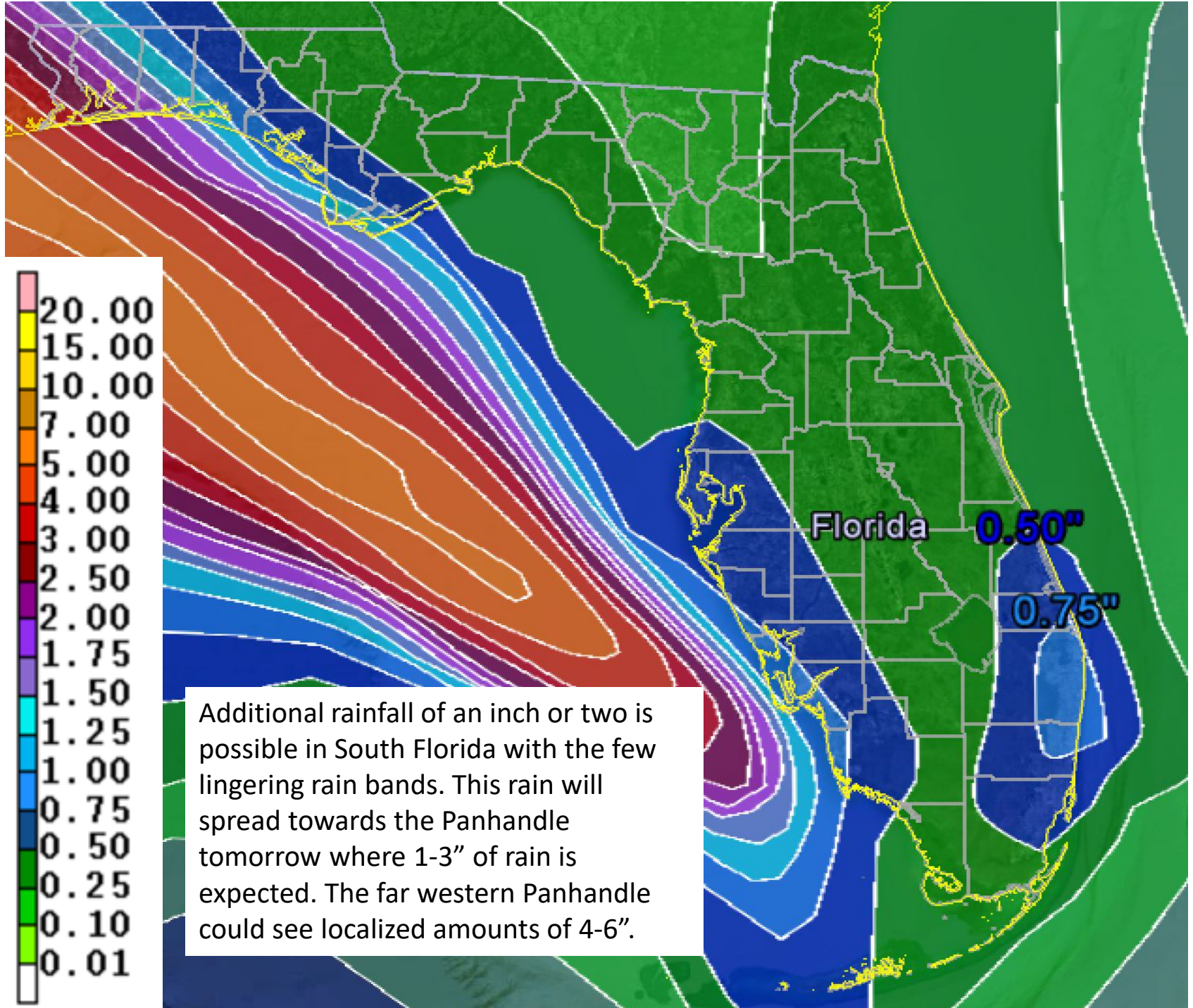
STORM SURGE

FORECAST



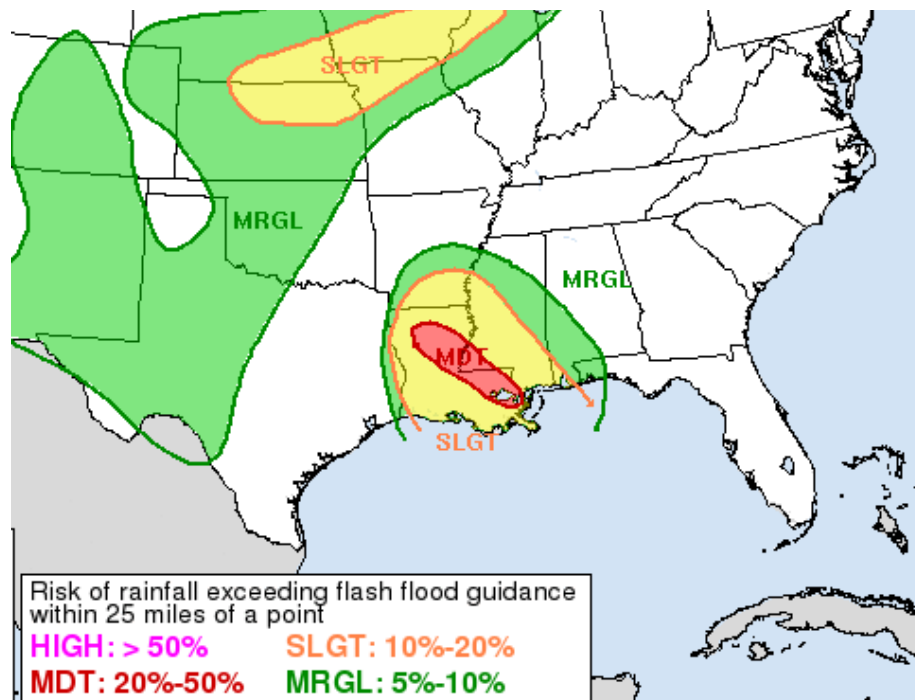
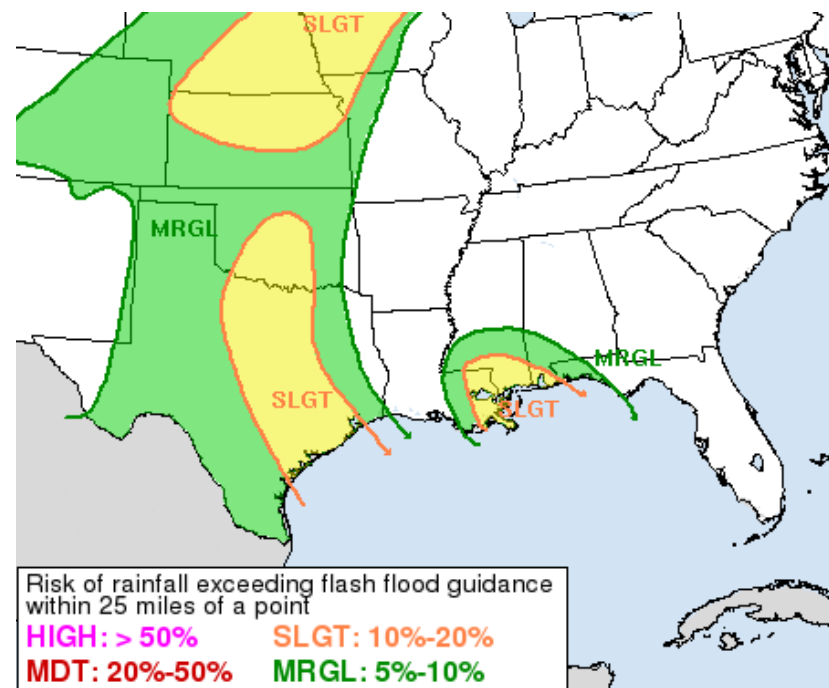
Forecast Wave Heights (ft)



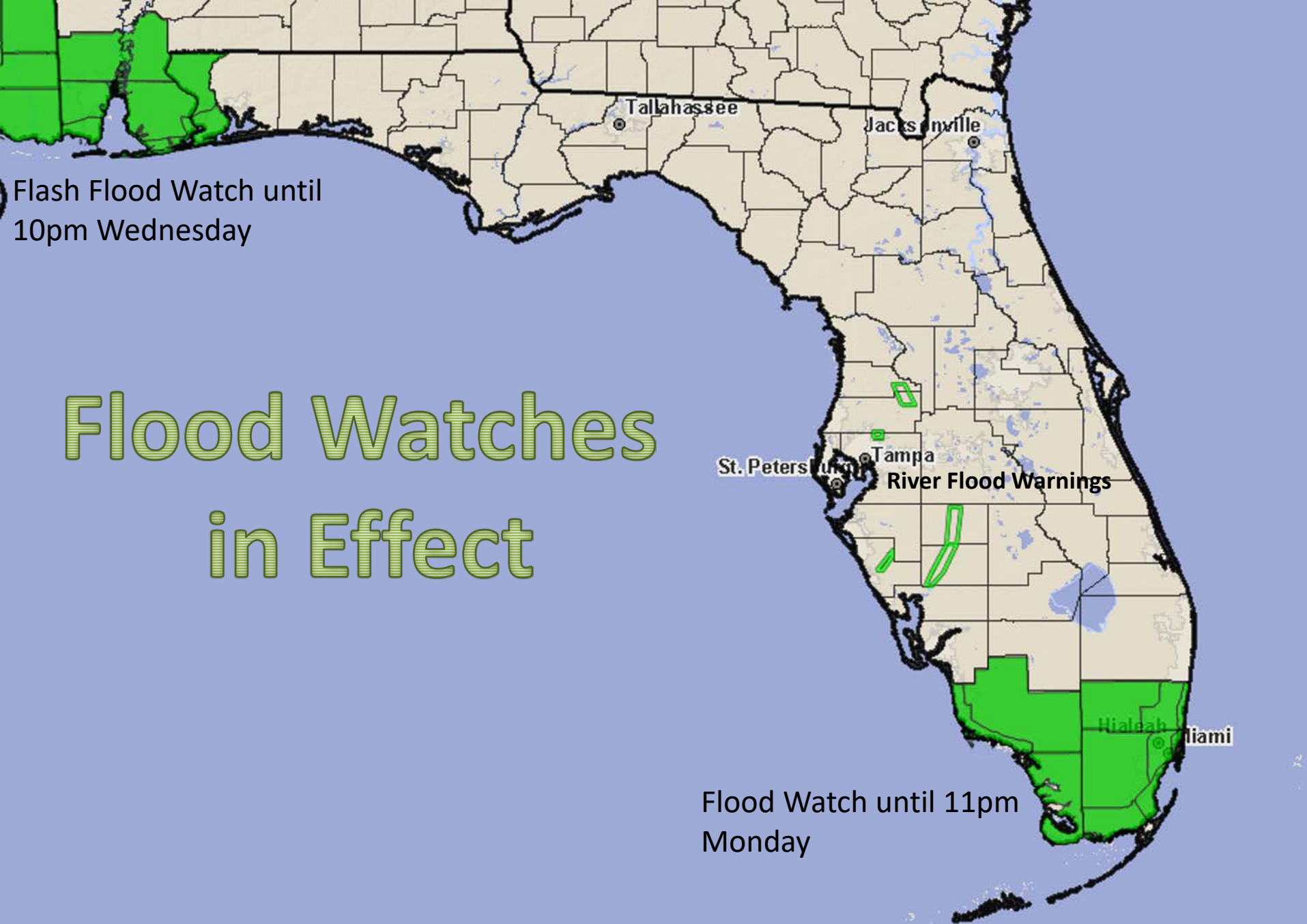


Flash Flood Threat

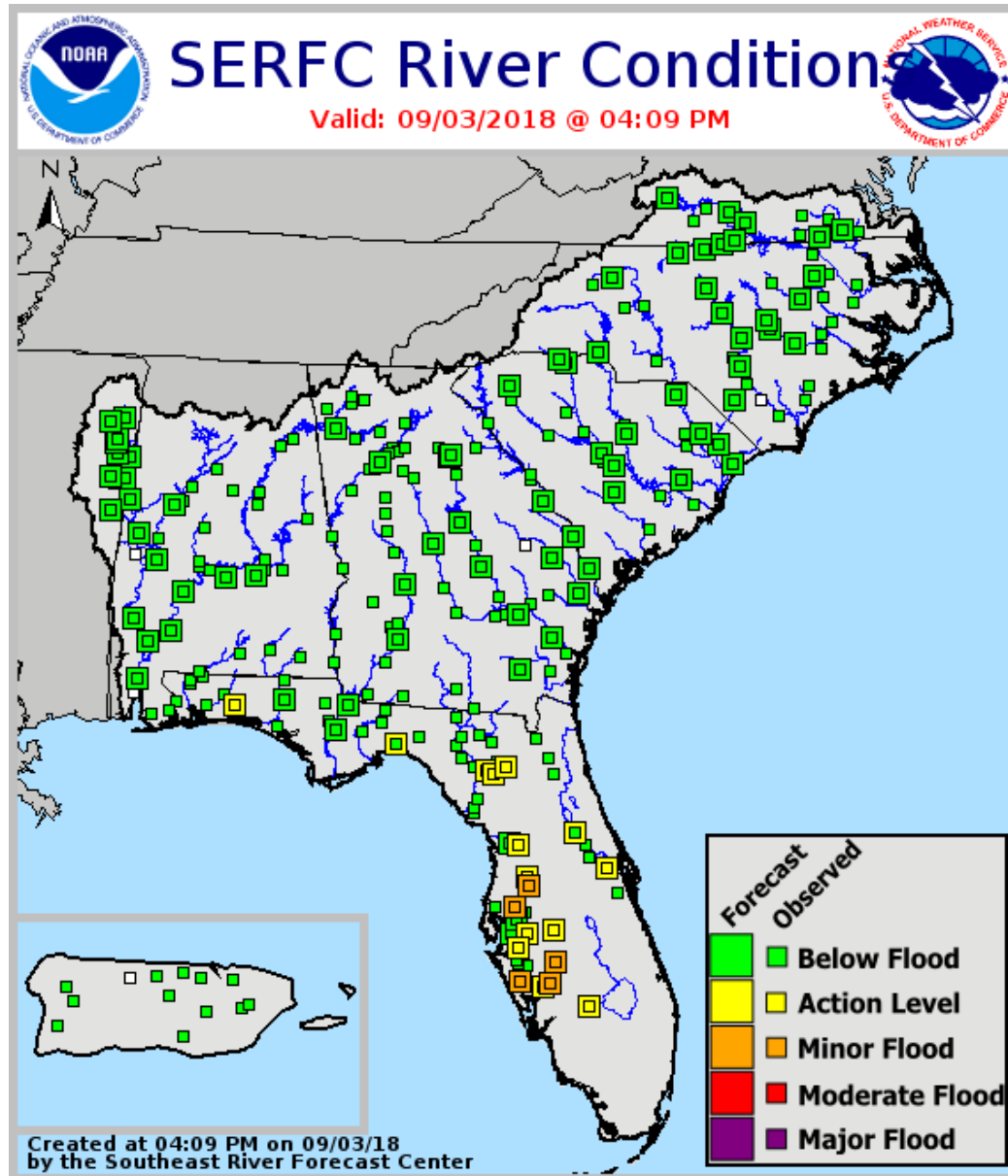
Tuesday and Wednesday



An isolated case of Flash Flooding will remain possible tomorrow in the western Panhandle on Tuesday and possibly lingering into Wednesday morning.



Current and Forecast River Conditions

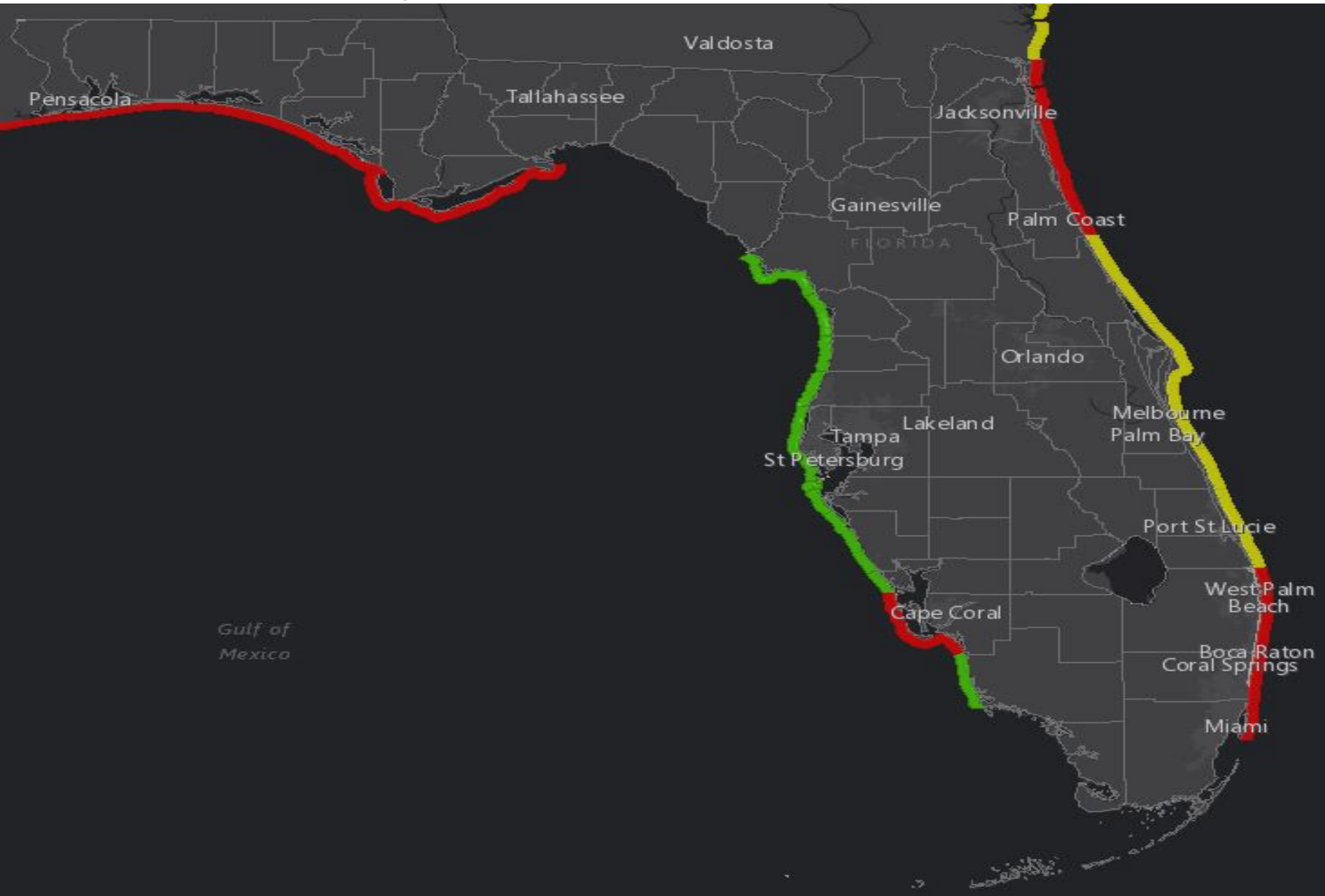


Several rivers in Central and Southwest Florida remain in minor flood stage, but forecast rainfall amounts do not bring any rivers into moderate flood stage. For more specifics on individual river levels, please visit the Southeast River Forecast Center at

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

Minor coastal flooding may occur during times of high tide.

Rip Current Forecast



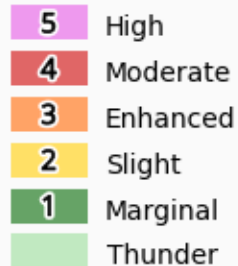
Severe Weather Outlook Tuesday, September 04, 2018

An isolated tornado or waterspout cannot be ruled out within the outer bands of Gordon in the Panhandle tomorrow.



National Weather Service
Storm Prediction Center

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





Key Messages for Tropical Storm Gordon

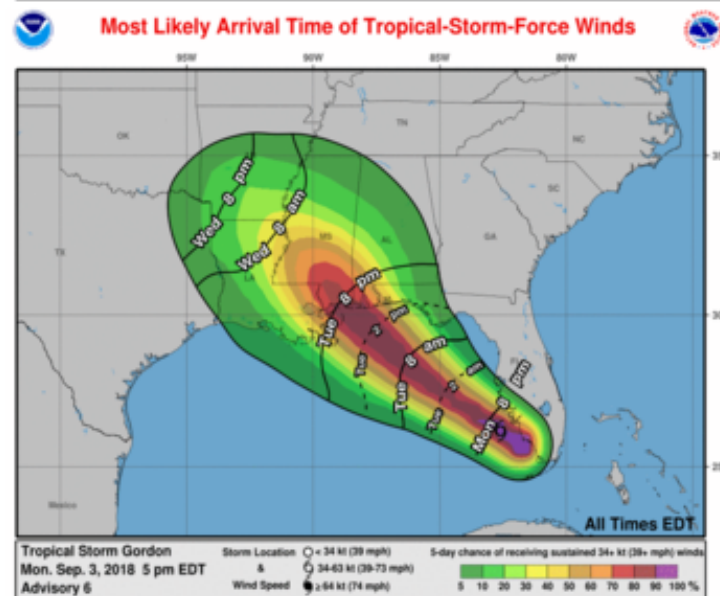
Advisory 6: 5:00 PM EDT Mon Sep 03, 2018



1. Gordon is expected to bring life-threatening storm surge and hurricane conditions to portions of the central Gulf Coast where a Storm Surge Warning and Hurricane Warning are in effect. Residents in these areas should listen to advice from their local officials. All preparations to protect life and property should be rushed to completion, as tropical storm conditions are expected to arrive in the warning areas Tuesday afternoon or evening.

2. Heavy rainfall from Gordon will affect southern Alabama, southern Mississippi and Louisiana, where totals could reach as high as 8 inches. This rainfall could cause flash flooding.

3. Rainfall will continue across portions of South Florida and the Florida Keys through early Tuesday, where totals could reach as high as 8 inches.



For more information go to hurricanes.gov

Summary

- Tropical Storm Florence remains in the open waters of the Tropical Atlantic, several hundred miles from land.
- Maximum sustained winds are near 70 mph, and only minor fluctuation in strength is expected through the next several days.
- This system is expected to have no impact on land at this time as it eventually recurves north in the open Atlantic.
- As of 1700 Tropical Storm Gordon was located approximately 50 miles west of Ft. Myers with maximum sustained winds near 50 mph.
- Gordon has emerged into the southeastern Gulf of Mexico and is moving quickly west-northwest at 17 mph.
- A west-northwest motion is expected to continue today and tomorrow, along with some increase in strength, before making landfall along the northern Gulf Coast between Southeast Louisiana and Alabama Tuesday night as a Category 1 Hurricane.
- In the far eastern Atlantic, a tropical wave located more than 400 miles southeast of the Cabo Verde Islands is producing a large area of disorganized showers and thunderstorms. Some slow development of this disturbance is possible during the next several days while the system moves westward to west-northwestward across the eastern tropical Atlantic.
- The National Hurricane Center is currently predicting a 10% chance of development within the next 2 days, but a 40% chance for development later this week.

Florida Outlook:

- Locally heavy rainfall is coming to an end in South Florida and is expected in the western Panhandle tomorrow afternoon and evening.
- Tropical Storm Warnings are now in effect for coastal portions of Escambia, Santa Rosa, and Okaloosa County. The chances for tropical storm conditions across portions of the Florida Panhandle have increased to near 50% at the coast and 30% or less inland.
- Breezy conditions are expected after midnight in the Panhandle with most likely arrival times of mid-afternoon. Sustained winds of 25-35mph and gusts of 35-45mph. This will result in limited damage, mainly to unsecured lightweight objects, fences and tree limbs which may result in isolated power and communications outages.
- Rainfall totals of 2-4" with isolated higher amounts of 4-6" are possible in the western Panhandle. A Flash Flood Watch is in effect for Escambia County. Only an additional inch or two is expected across South Florida through the evening.
- Many rivers across the state are elevated due to recent rainfall, but significant river flooding is not currently expected.
- The storm surge threat with Gordon is low but not zero. There is a Storm Surge Watch for Escambia and Santa Rosa County where 2-4' of inundation will be *possible* late tomorrow afternoon and evening. Tidal rises of a foot or less are expected elsewhere.
- There will be a moderate to high risk of rip currents at many Florida beaches through the next several days.
- An isolated tornado or waterspout across the Panhandle tomorrow will be possible tomorrow. There is a Marginal Risk of severe weather.

Another briefing packet will be sent out Tuesday morning. For the latest information on the tropics, please visit the National Hurricane Center website at www.hurricanes.gov.



TROPICAL UPDATE

Created by:

Michael Spagnolo, Deputy State Meteorologist

michael.spagnolo@em.myflorida.com

State Meteorological Support Unit

Florida Division of Emergency
Management

Users wishing to subscribe (approval pending) to this distribution list, register at https://public.govdelivery.com/accounts/FLDEM/subscriber/new?topic_id=SERT_Met_Tropics.

Other reports available for subscription are available at

<https://public.govdelivery.com/accounts/FLDEM/subscriber/new?preferences=true>