



TROPICAL UPDATE

4 PM EDT

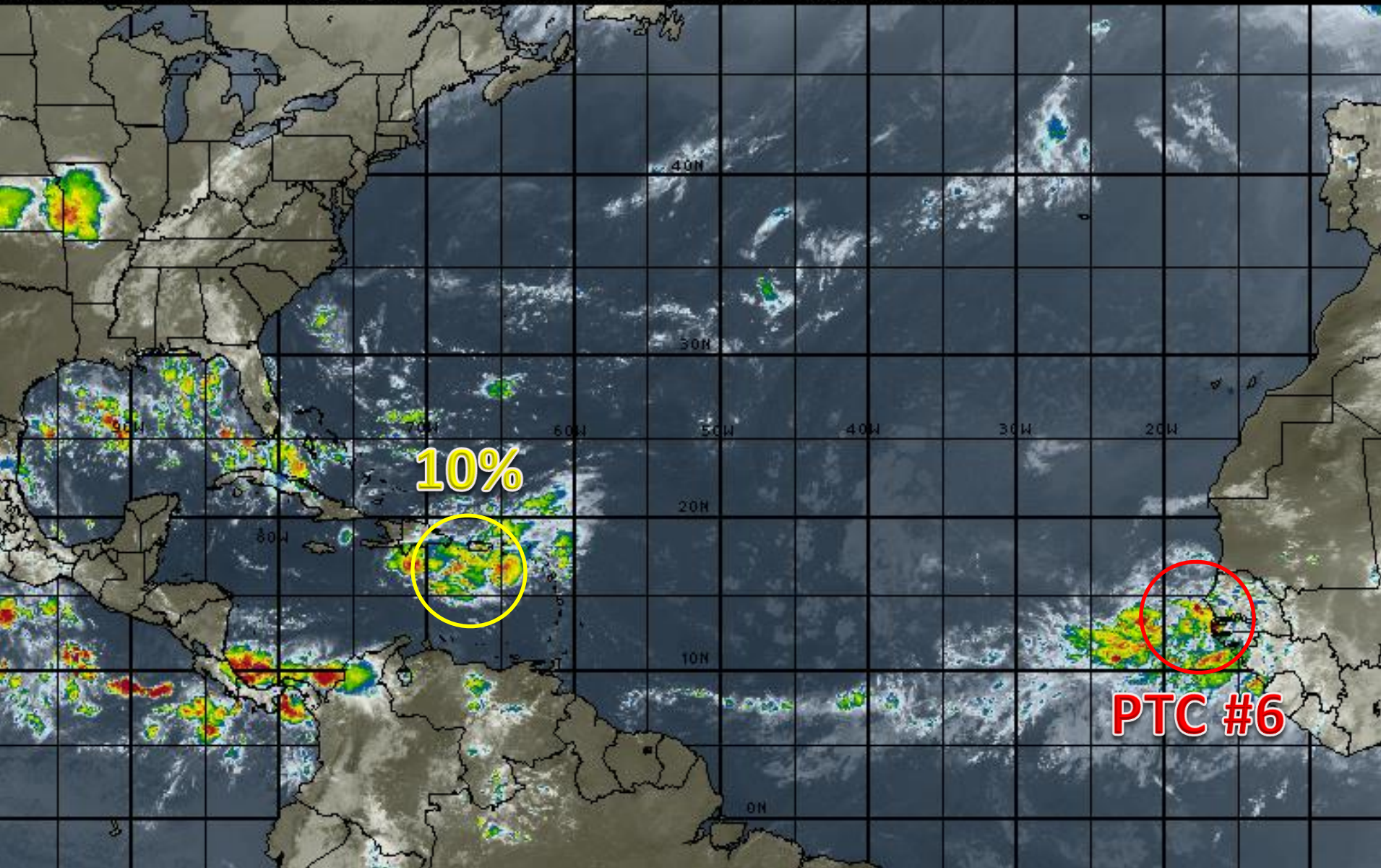
Thursday, August 30, 2018

**Potential Tropical Cyclone Six (90%),
Caribbean Tropical Wave (10%)**

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.

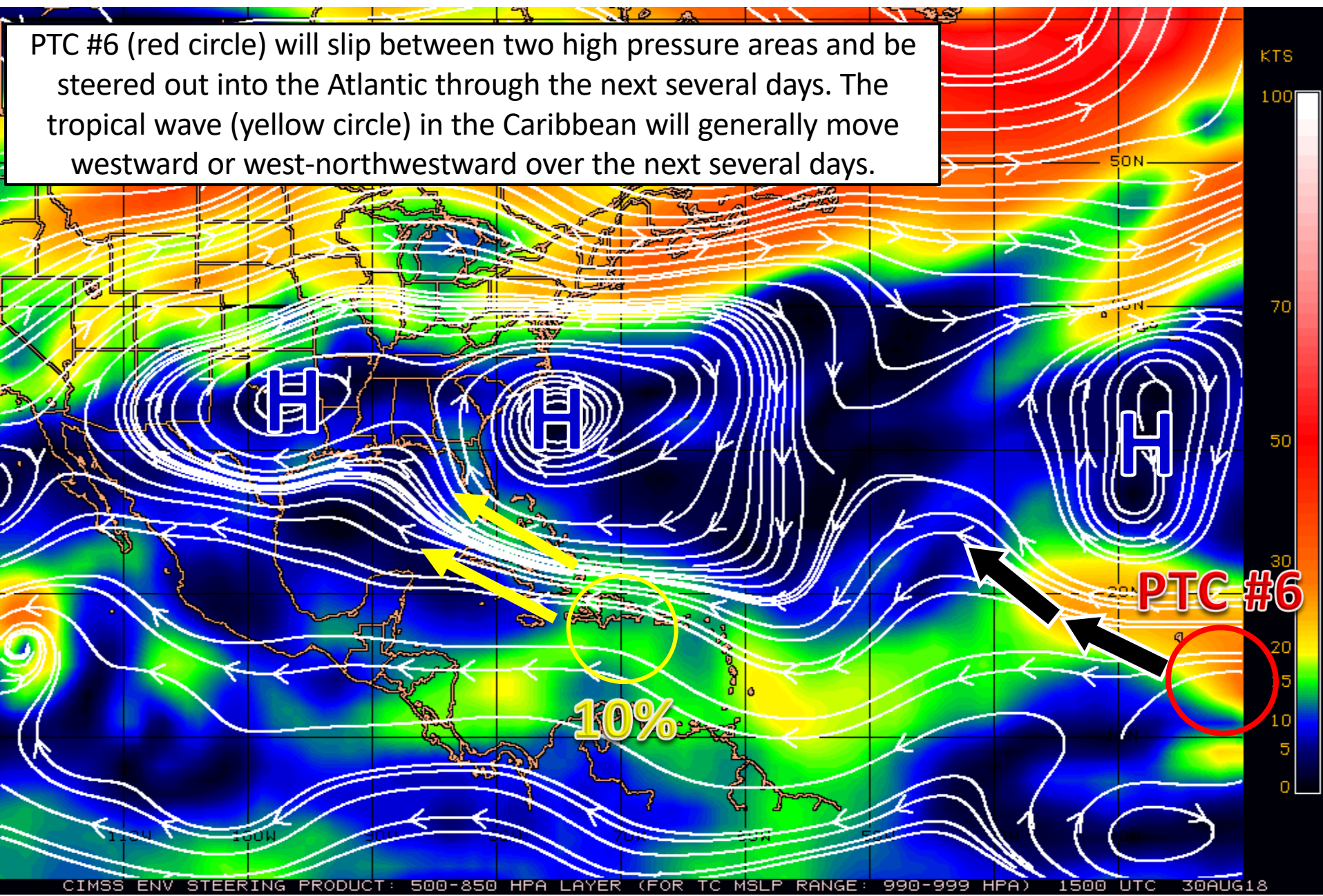
Atlantic Basin Satellite Image

15:00 30-AUG-2018 GMT Copyright © 1998-2018 WSI Corporation <http://www.wsi.com>



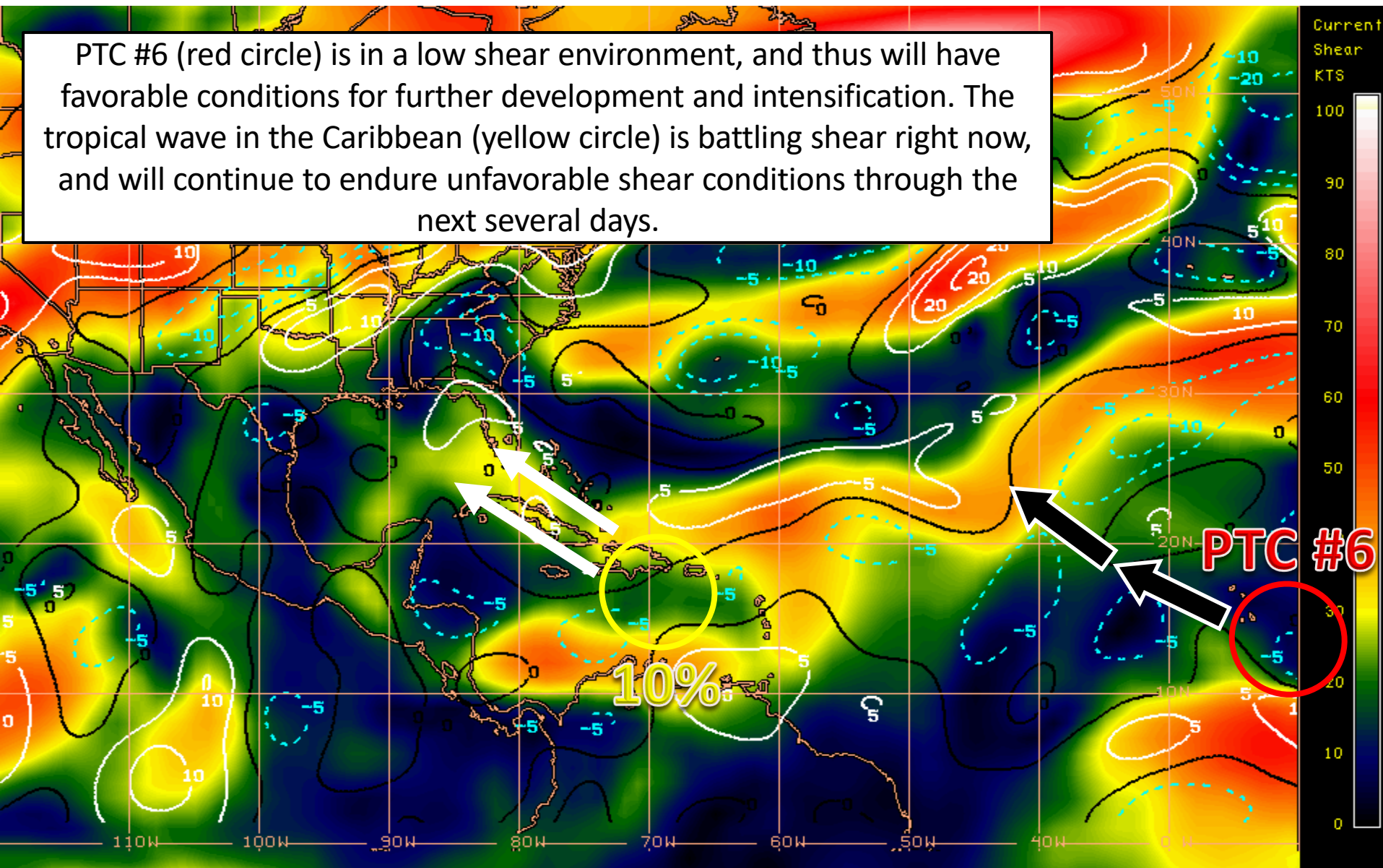
Steering Currents

PTC #6 (red circle) will slip between two high pressure areas and be steered out into the Atlantic through the next several days. The tropical wave (yellow circle) in the Caribbean will generally move westward or west-northwestward over the next several days.



Wind Shear (shaded) and Wind Shear Tendencies (contoured)

PTC #6 (red circle) is in a low shear environment, and thus will have favorable conditions for further development and intensification. The tropical wave in the Caribbean (yellow circle) is battling shear right now, and will continue to endure unfavorable shear conditions through the next several days.



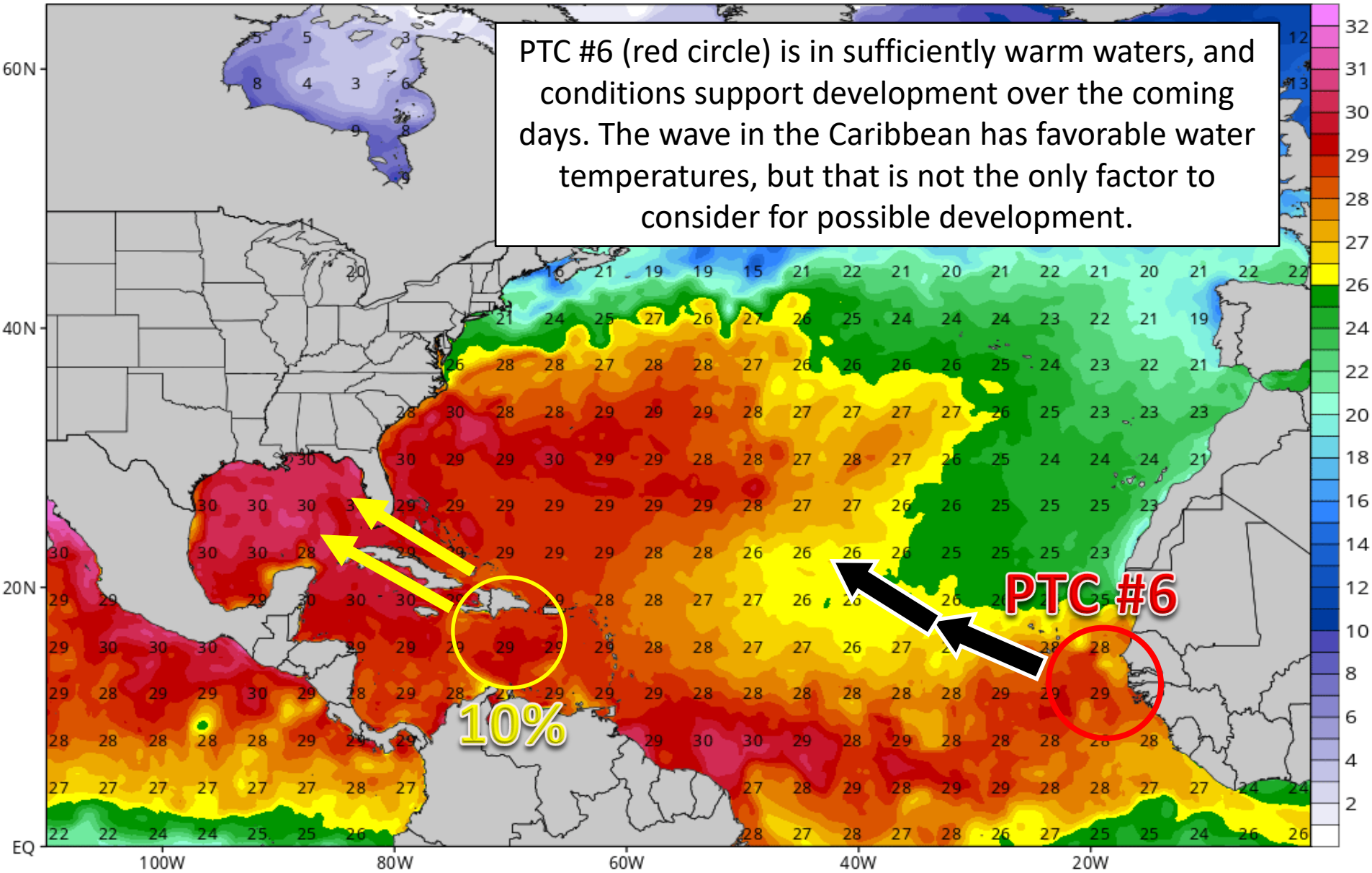
Shear Tendency (KTS) Over Past 24 Hours: Increasing — Decreasing ----

Water Temperatures

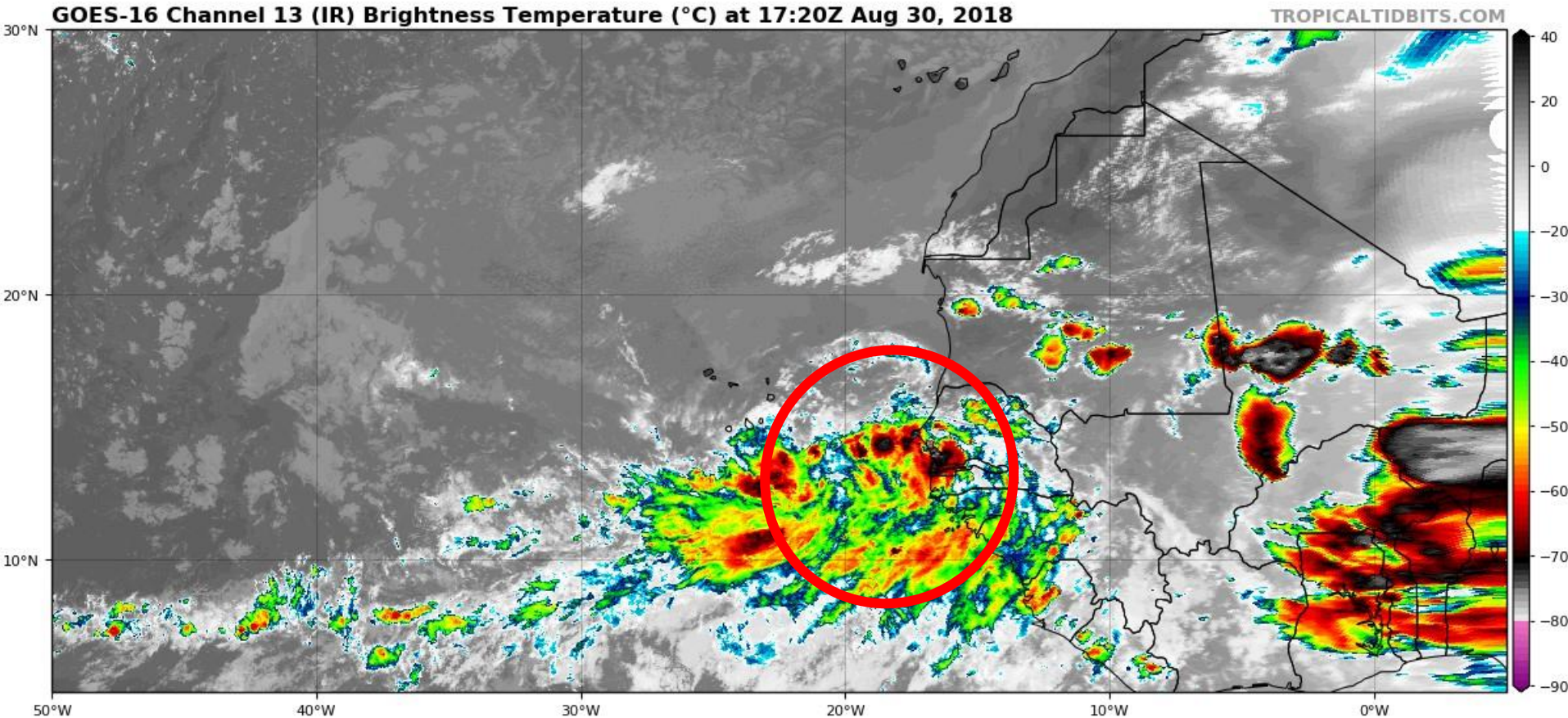
CDAS Sea Surface Temperature (°C)

Analysis Time: 06z Aug 30 2018

TROPICALTIDBITS.COM



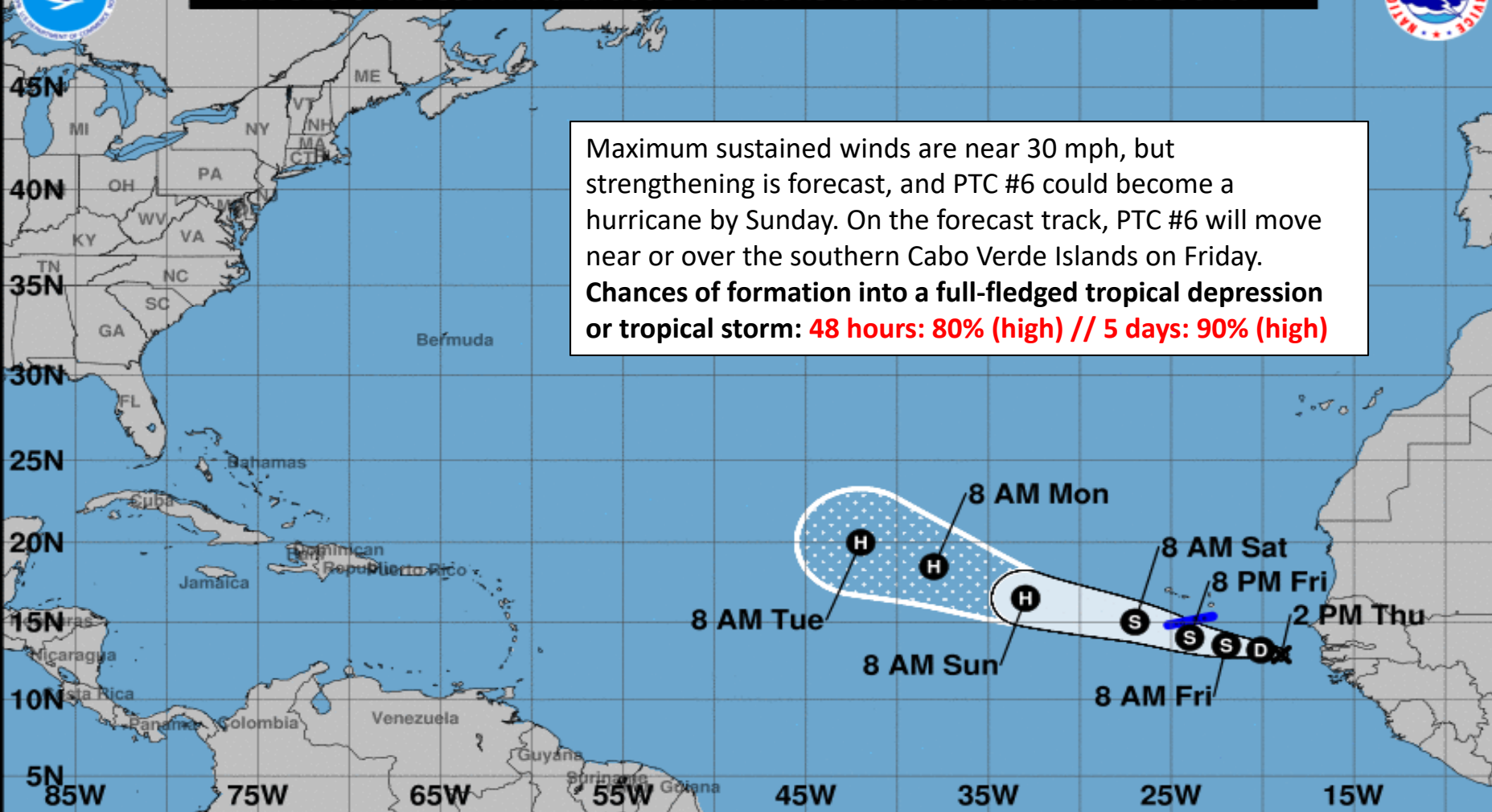
Current Satellite – Potential Tropical Cyclone #6



A robust tropical wave is now offshore of Africa. Since this system has a high chance of development and will produce tropical storm force winds over the Cabo Verde Islands, the NHC has declared this “Potential Tropical Cyclone #6.” It has a 90% chance of becoming a full-fledged tropical depression or tropical storm during the next 5 days.



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.



Maximum sustained winds are near 30 mph, but strengthening is forecast, and PTC #6 could become a hurricane by Sunday. On the forecast track, PTC #6 will move near or over the southern Cabo Verde Islands on Friday.

Chances of formation into a full-fledged tropical depression or tropical storm: 48 hours: 80% (high) // 5 days: 90% (high)

Potential Tropical Cyclone Six
Thursday August 30, 2018
2 PM AST Intermediate Advisory 1A
NWS National Hurricane Center

Current information: x
Center location 12.9 N 19.0 W
Maximum sustained wind 30 mph
Movement W 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:

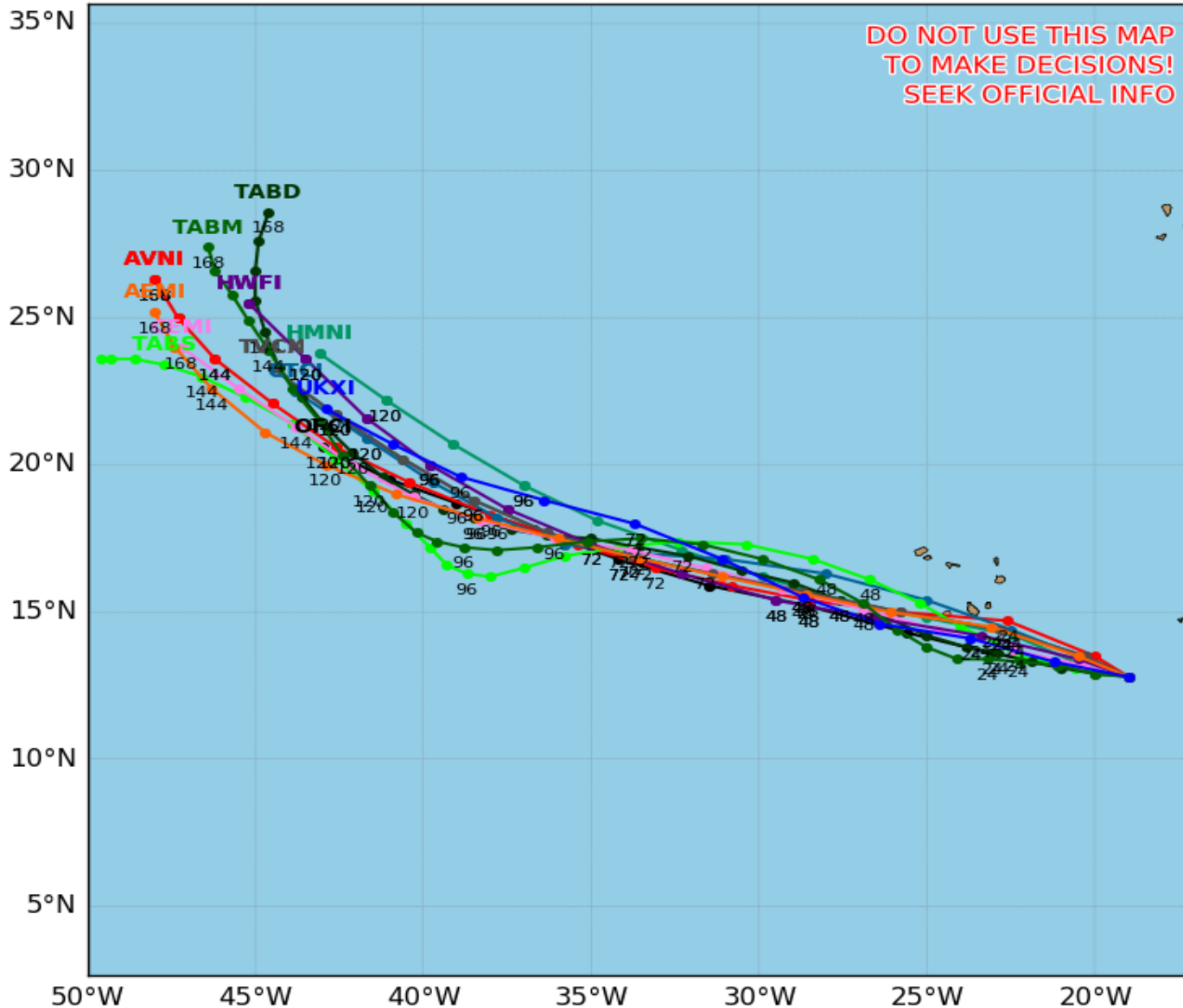
Hurricane Trop Stm

Spaghetti Models (PTC #6)

Potential Tropical Cyclone SIX Model Track Guidance

Initialized at 18z Aug 30 2018

Levi Cowan - tropicaltidbits.com



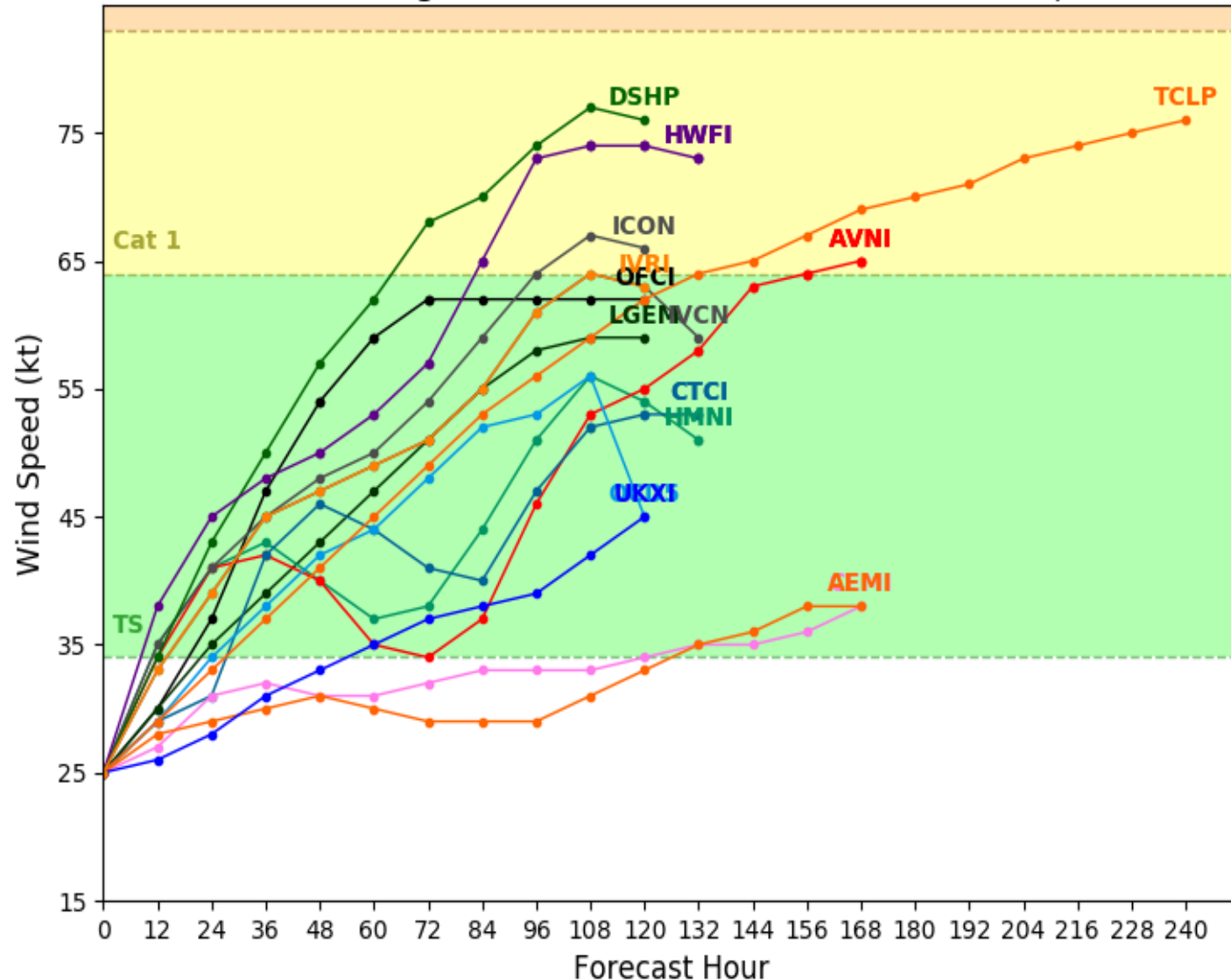
PTC #6 will move generally west or west-northwest over the coming days. It will eventually curve to the northwest and north in the central Atlantic, well before reaching the Lesser Antilles.

Intensity Models (PTC #6)

Potential Tropical Cyclone SIX Model Intensity Guidance

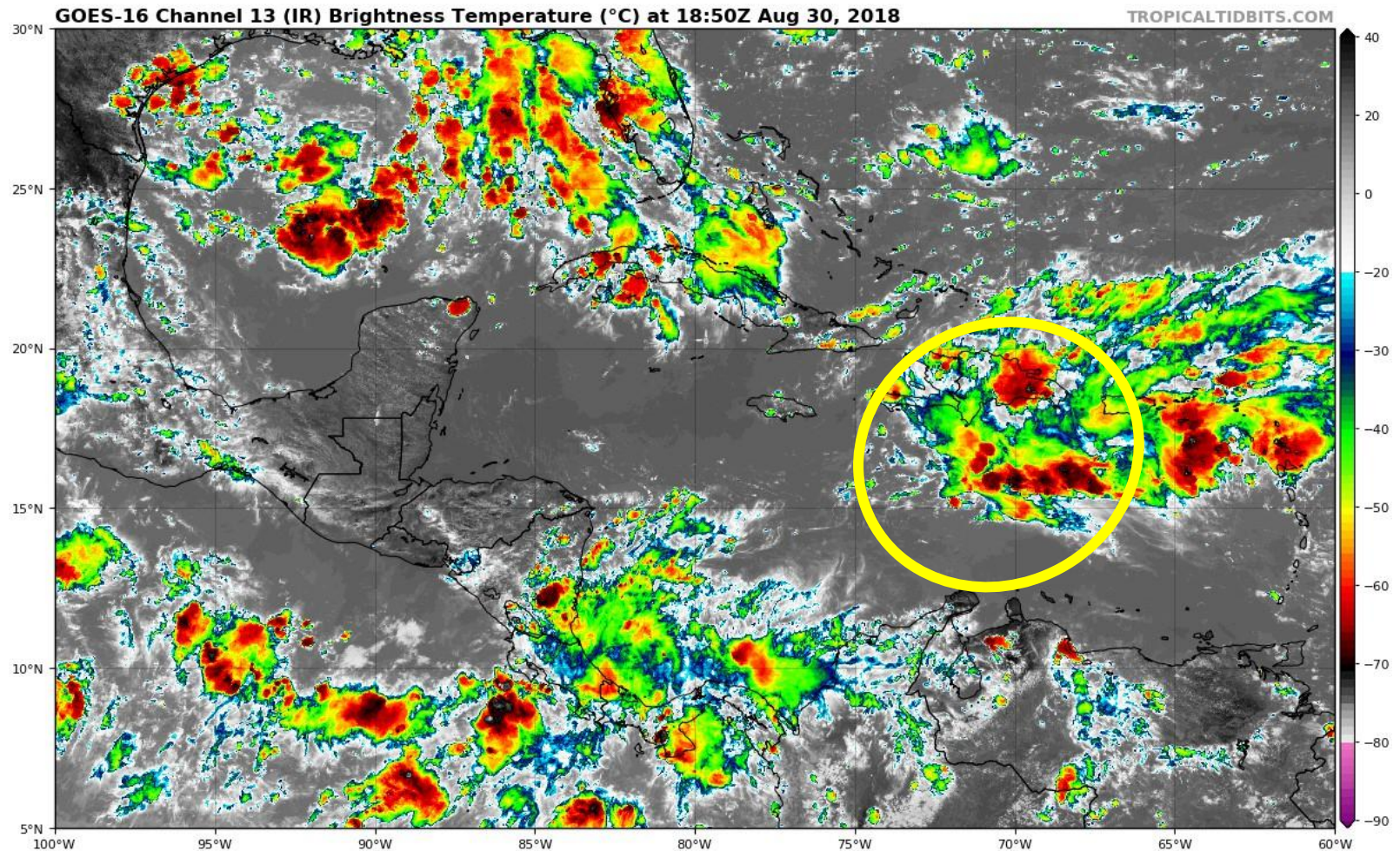
Initialized at 18z Aug 30 2018

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As PTC #6 continues over and away from the Cabo Verde Islands, strengthening is expected. PTC #6 will likely strengthen into a tropical storm in 24-36 hours, then possibly into a hurricane in 3-4 days.

Current Satellite – Caribbean Tropical Wave



A weak and disorganized tropical wave is moving over Puerto Rico and Hispaniola today. It will continue moving to the west or west-northwest over the coming days. Development is not expected for the next few days. However, conditions might become slightly more favorable for possible development in the eastern or central Gulf of Mexico early next week.



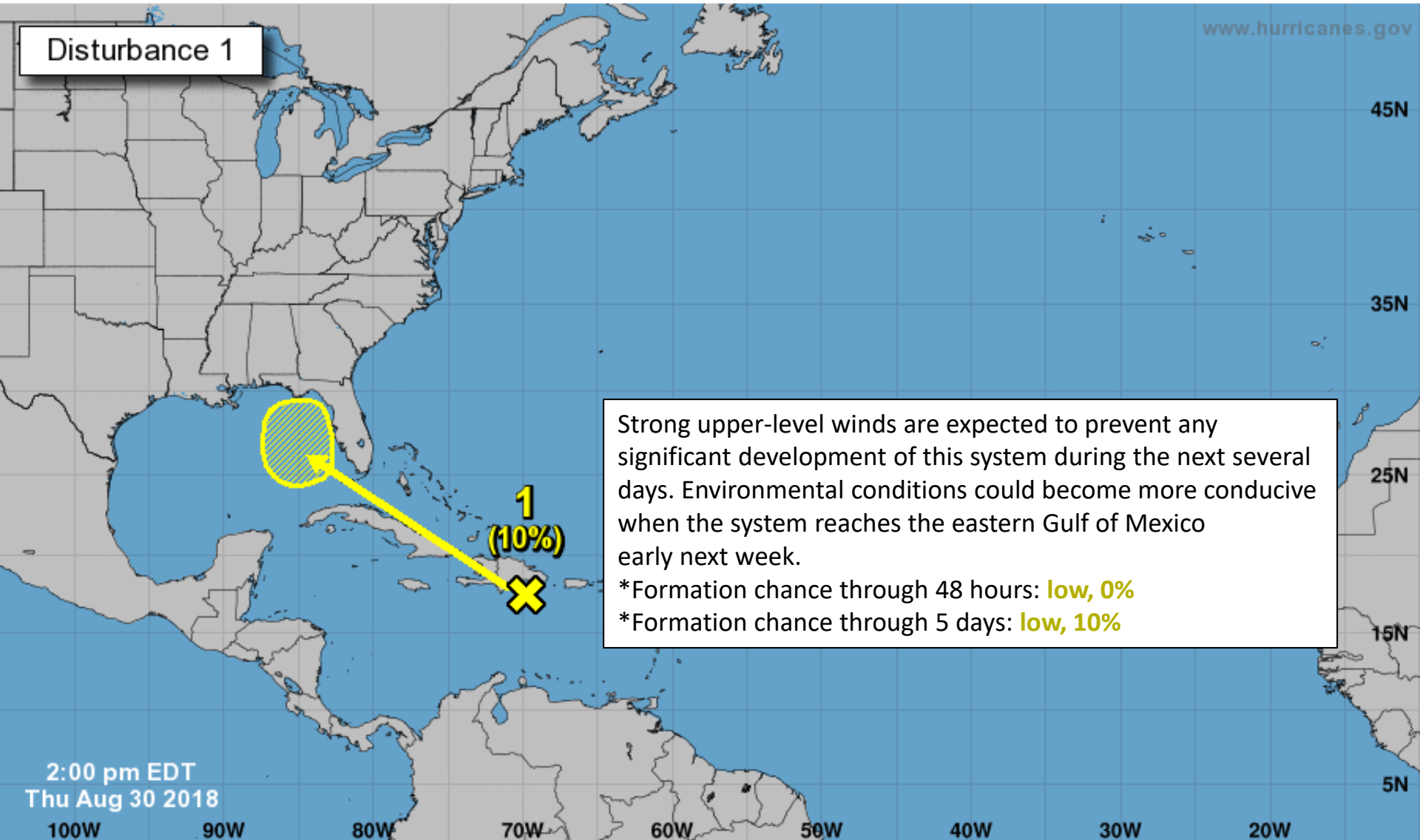
Five-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



www.hurricanes.gov

Disturbance 1



Strong upper-level winds are expected to prevent any significant development of this system during the next several days. Environmental conditions could become more conducive when the system reaches the eastern Gulf of Mexico early next week.

*Formation chance through 48 hours: **low, 0%**

*Formation chance through 5 days: **low, 10%**

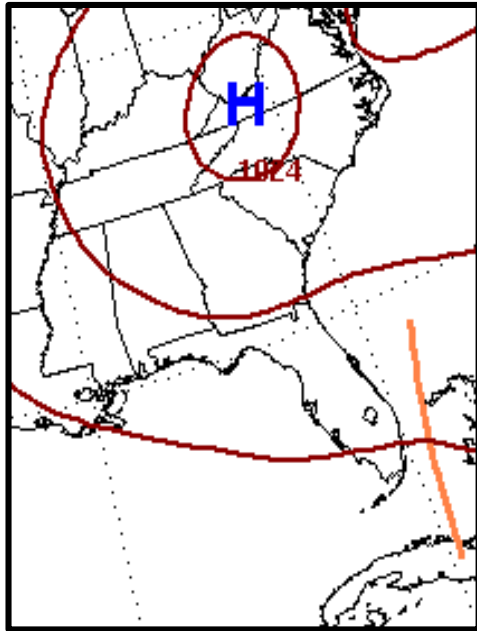
2:00 pm EDT
Thu Aug 30 2018

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

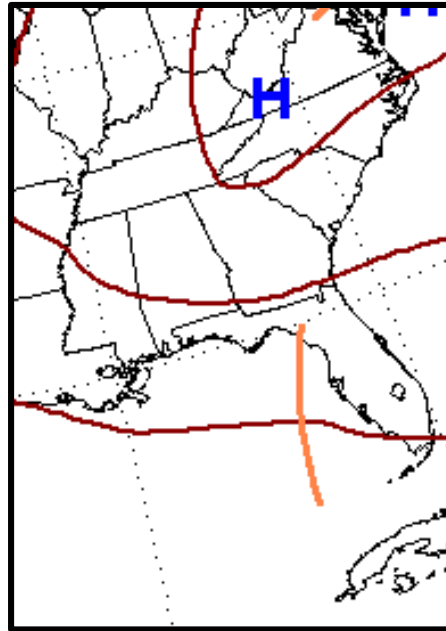
Tropical or Sub-Tropical Cyclone: Depression Storm Hurricane

Post-Tropical Cyclone or Remnants

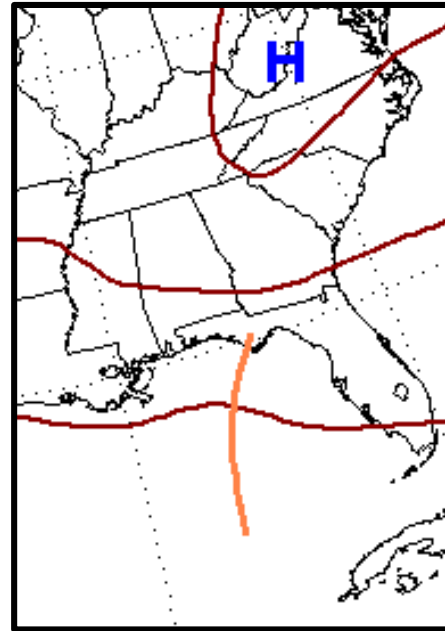
Caribbean Tropical Wave (10%)



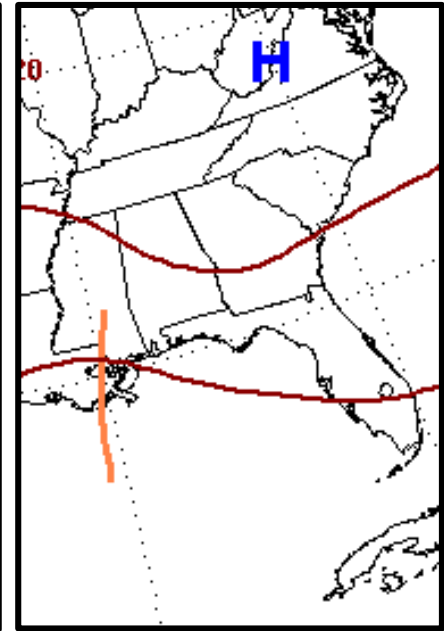
Monday AM



Tuesday AM

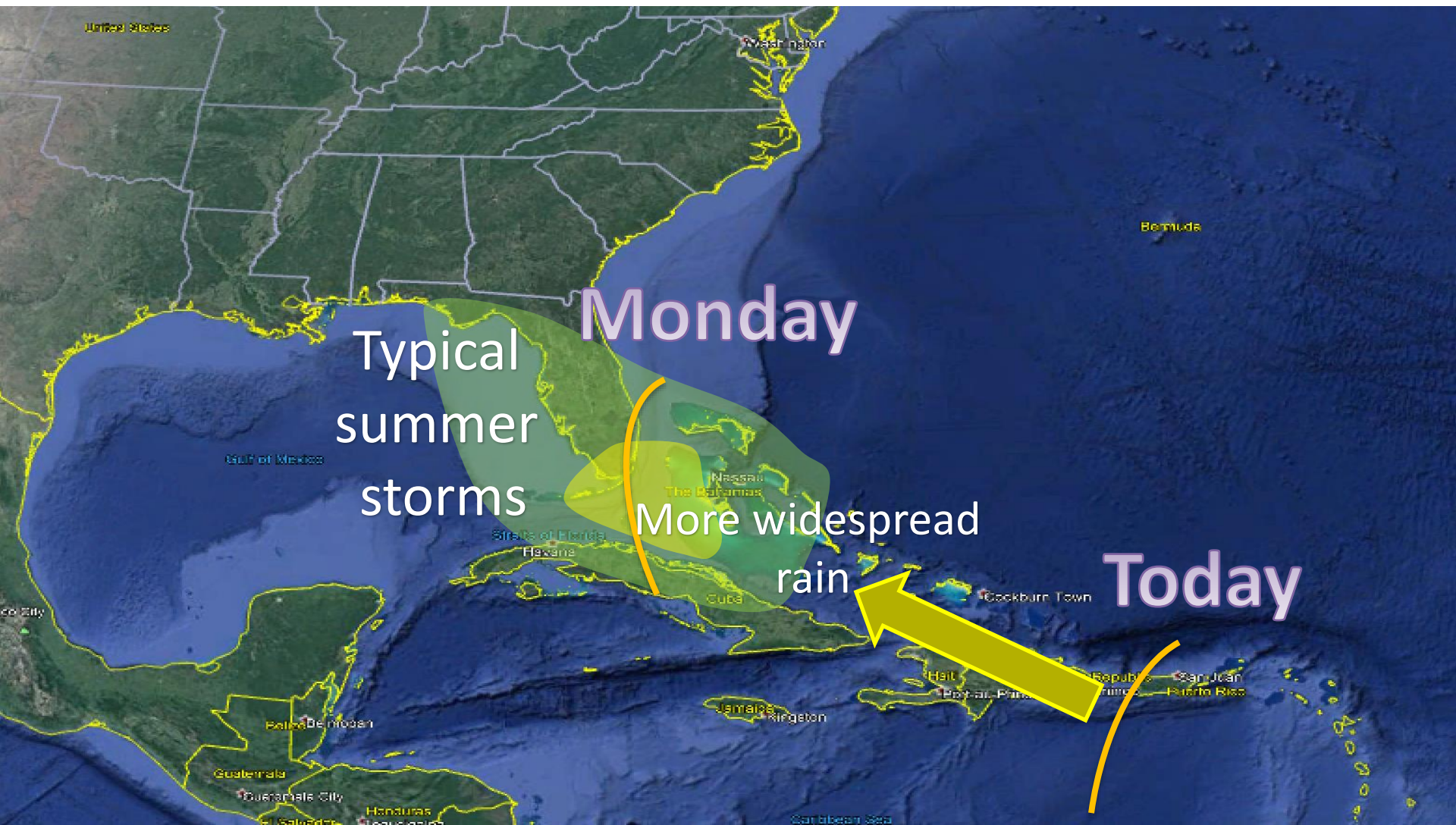


Wednesday AM



Thursday AM

The tropical wave currently a few hundred miles east of Puerto Rico will move quickly to the west-northwest over the coming days into next week. Development is not expected over the next few days. However, conditions may become slightly more favorable for possible development next week in the eastern and central Gulf of Mexico. Development chances from NHC are only at 10% through the next 5 days.

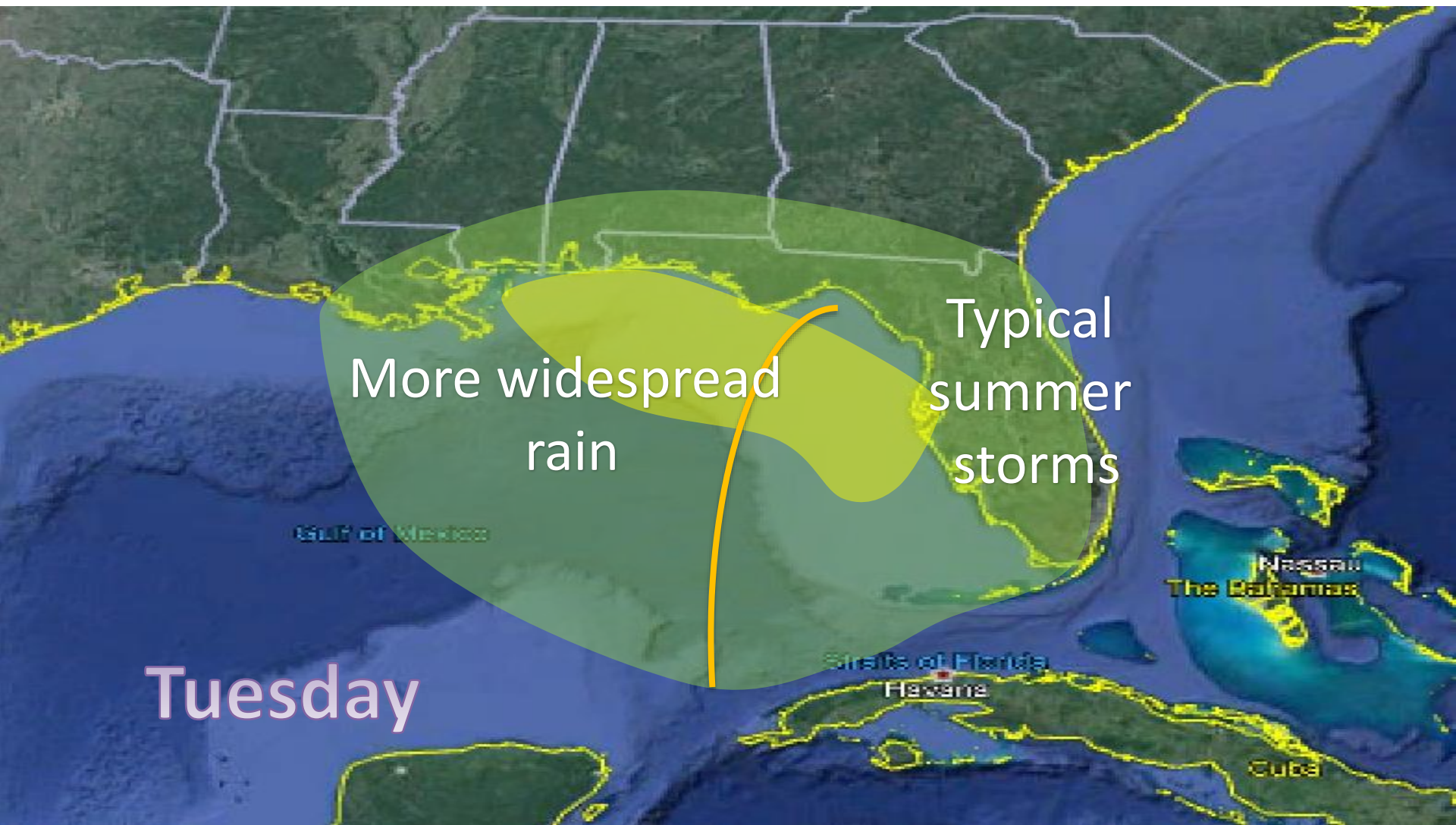


Typical
summer
storms

Monday

More widespread
rain

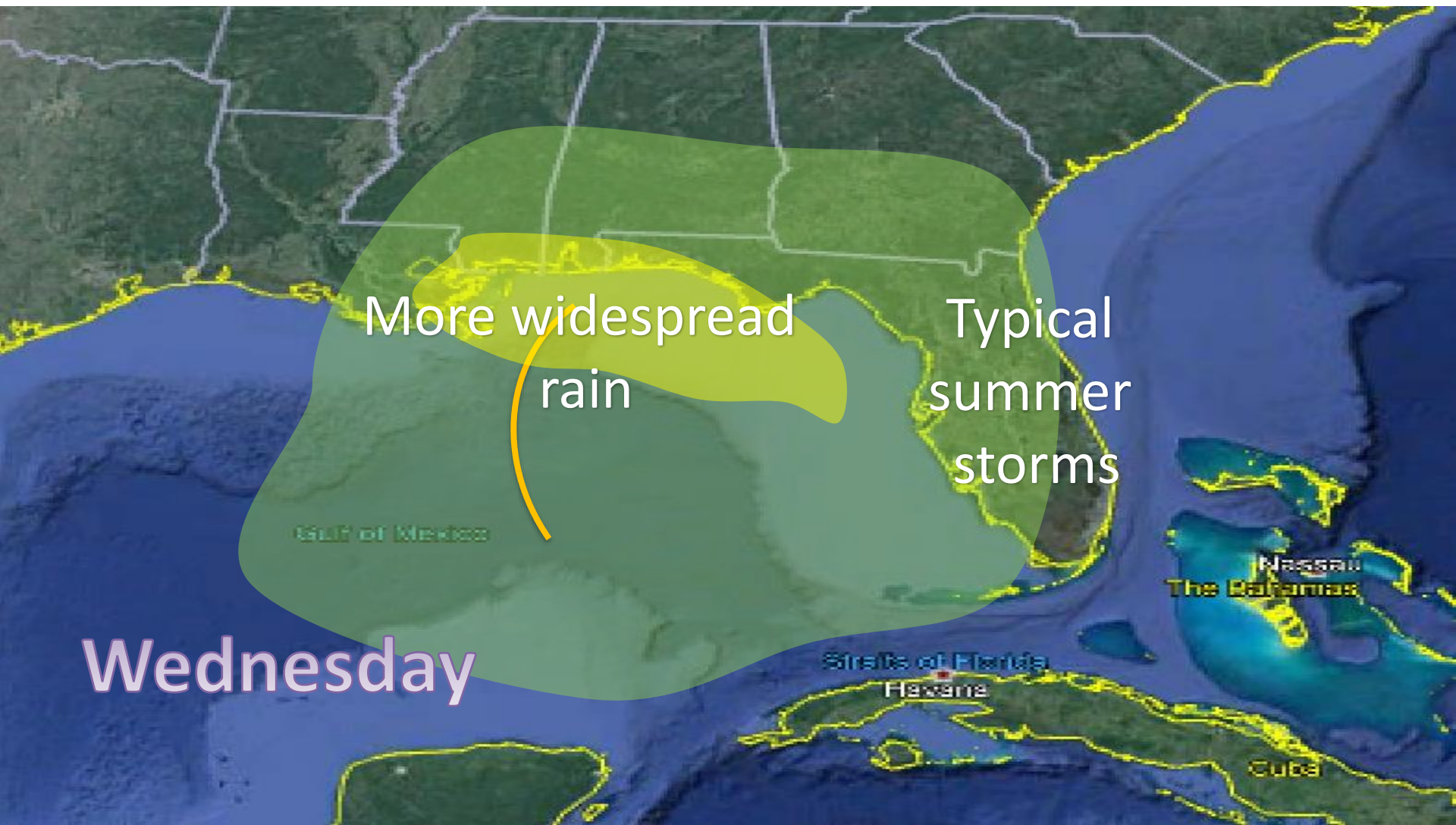
Today



More widespread
rain

Typical
summer
storms

Tuesday



More widespread
rain

Typical
summer
storms

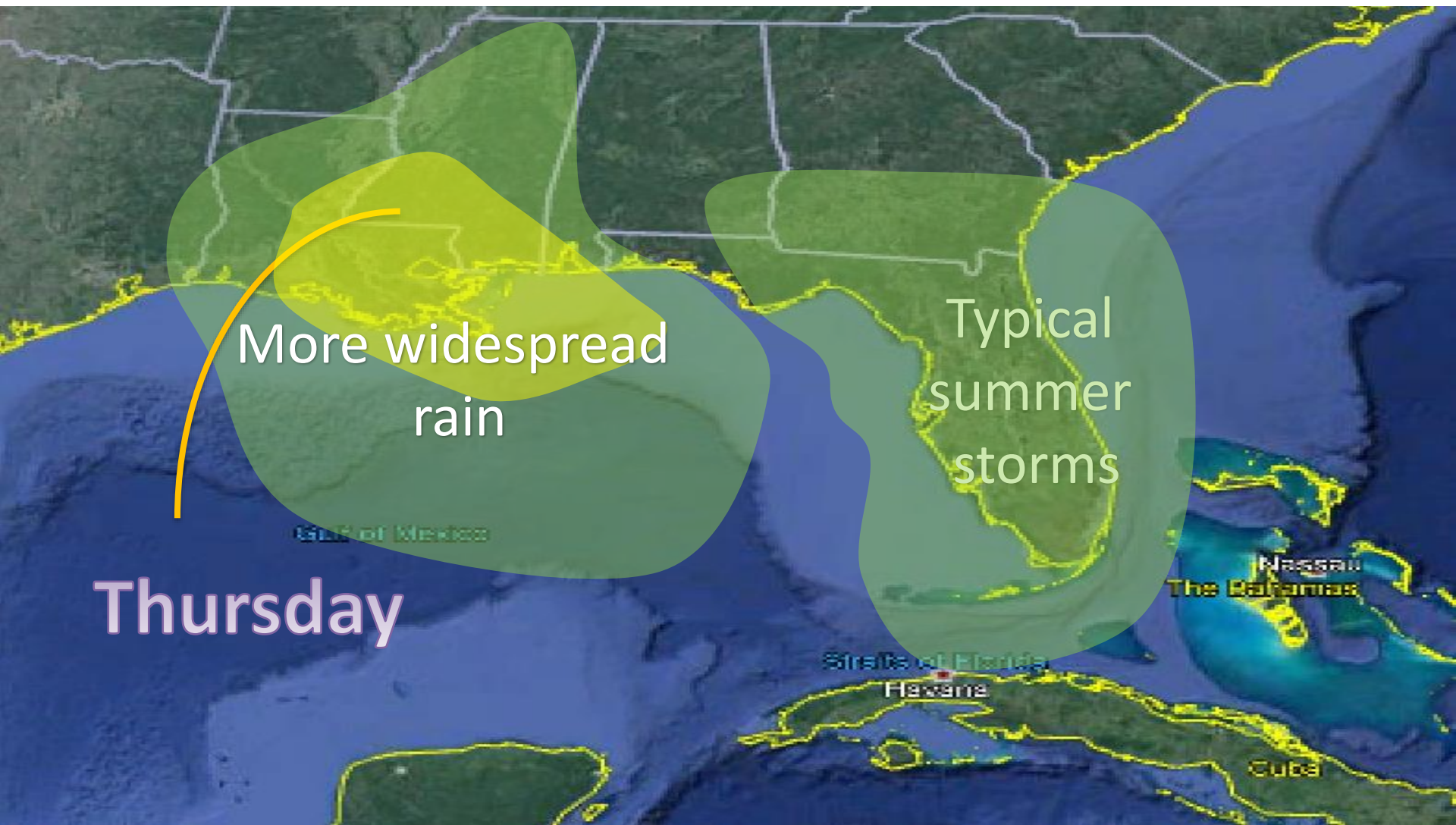
Gulf of Mexico

Wednesday

Nassau
The Bahamas

Cuba

Strait of Florida
Havana



More widespread
rain

Typical
summer
storms

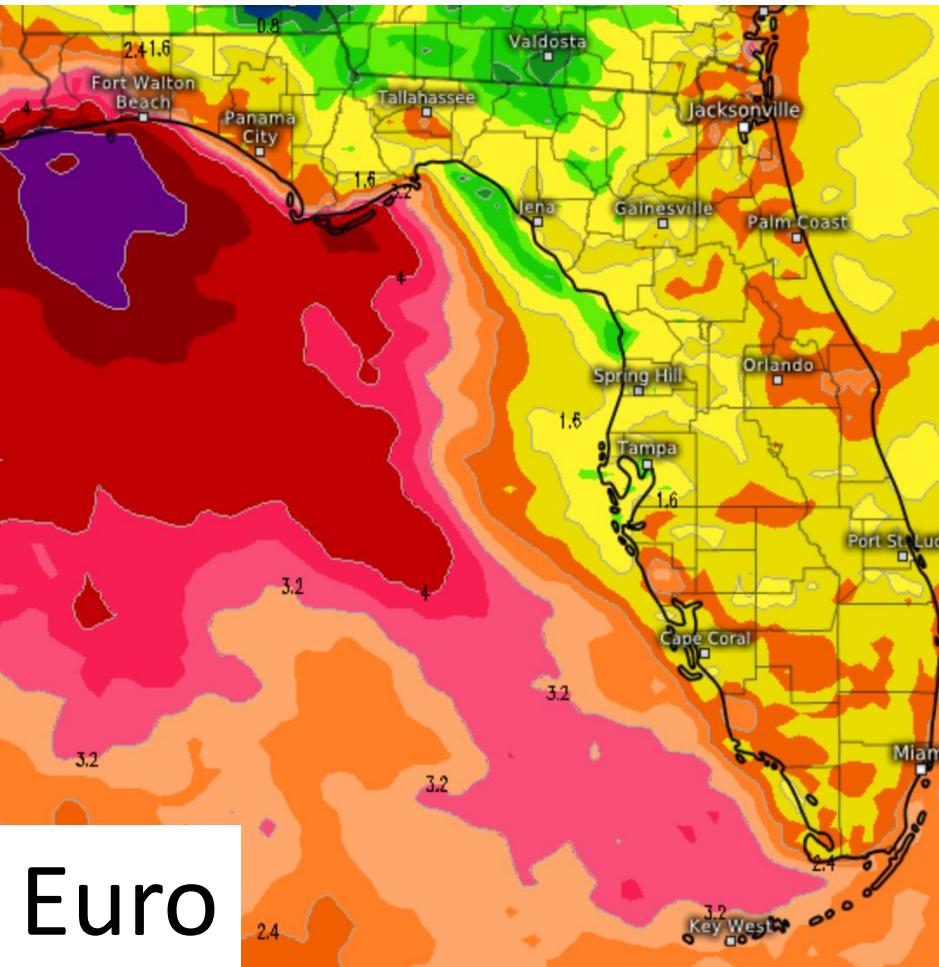
Thursday

Gulf of Mexico

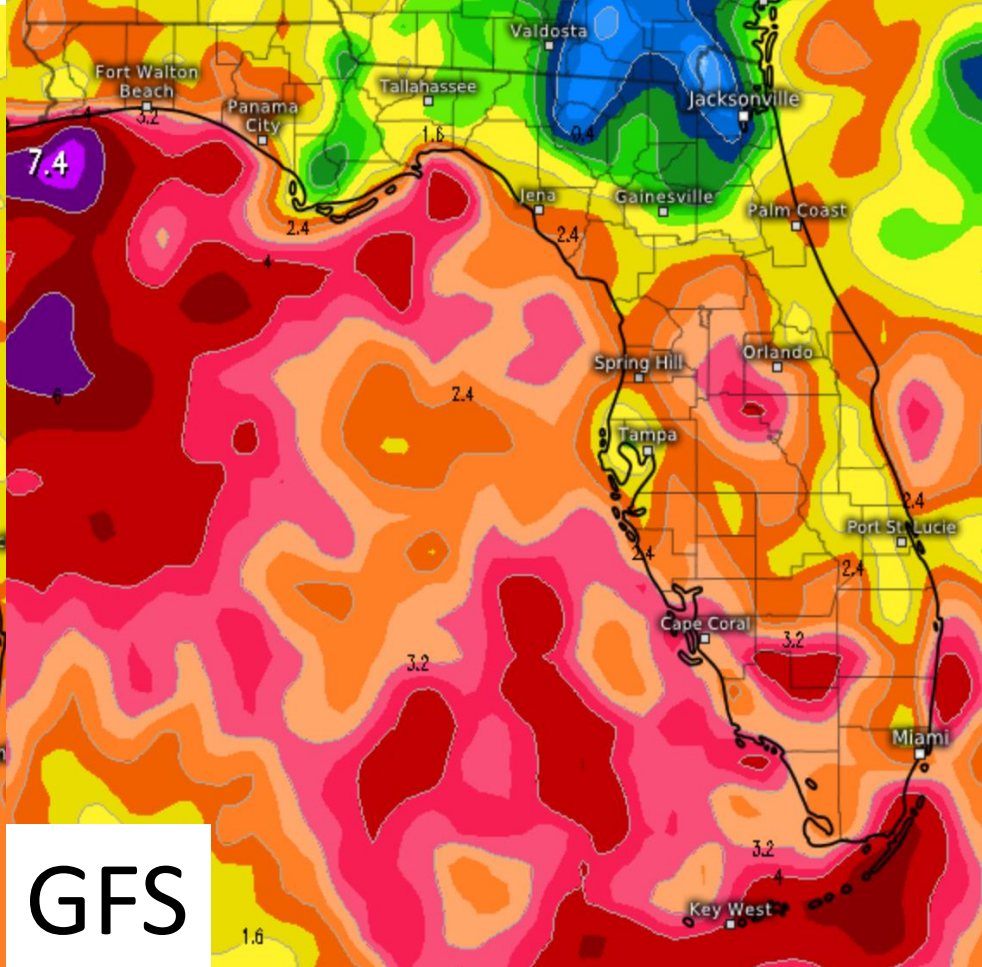
Nassau
The Bahamas

Cuba

Strait of Florida
Havana



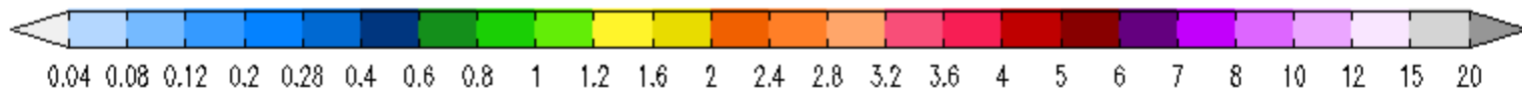
Euro



GFS

Accumulated Total Precipitation (in) 

From 08/30/2018, 07:00am CDT
to 09/06/2018, 07:00am CDT



Rainfall will be the primary impact from this wave, regardless of any development. Rainfall totals of 2-4 inches widespread are possible through the next 7 days. However, isolated locations may receive 6-8 inches. Rainfall totals will ultimately depend on future track and intensity.

Summary

- Potential Tropical Cyclone #6 (PTC #6) has moved just offshore of the west coast of Africa today.
 - Maximum sustained winds are near 30 mph, and strengthening is forecast through the next several days.
 - PTC #6 has a high chance (90%) of becoming a full-fledged tropical depression or tropical storm over the next several days.
 - After brushing the Cabo Verde islands, this system will move to the northwest into the open waters of the Central Atlantic and have no impact on land.
 - The next name on the list is Florence.
-
- A tropical wave near Hispaniola and Puerto Rico is producing disorganized cloudiness and thunderstorms.
 - This tropical wave is currently weak and disorganized but will continue west-northwest or northwest towards the Gulf of Mexico.
 - Development is not expected to occur in the Caribbean or western Atlantic, but environmental conditions might become slightly more favorable for possible development in the eastern Gulf of Mexico next week.
 - The National Hurricane Center expects no development over the next 2 days. Development chances in 3-5 days are only at 10%.
-
- No additional tropical cyclone development is expected in the Atlantic basin through the next five days, but additional tropical waves are forecast to emerge off the west Africa coast in the 6-10 day timeframe.

Florida Outlook:

- No impacts to Florida or the Caribbean islands are expected from Potential Tropical Cyclone #6.
- The tropical wave near Hispaniola and Puerto Rico may bring increased rain chances early next week to the Peninsula and possibly to the rest of the state through the middle of next week. Regardless of development, locally heavy rainfall will be the main impact from this system.
- Rainfall totals will depend on the exact track and strength of this wave, but most areas should receive 2-4" of rain over the next 5-7 days with isolated higher amounts.
- 4 West-Central Florida rivers remain in minor flood stage, and many rivers across the state are elevated due to recent rainfall.
- This wave will continue to be monitored.

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



TROPICAL UPDATE

Created by:

Cameron Young, Assistant State Meteorologist

cameron.young@em.myflorida.com

State Meteorological Support Unit

Florida Division of Emergency
Management

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