



TROPICAL UPDATE

9 AM EDT

Monday, June 19, 2017

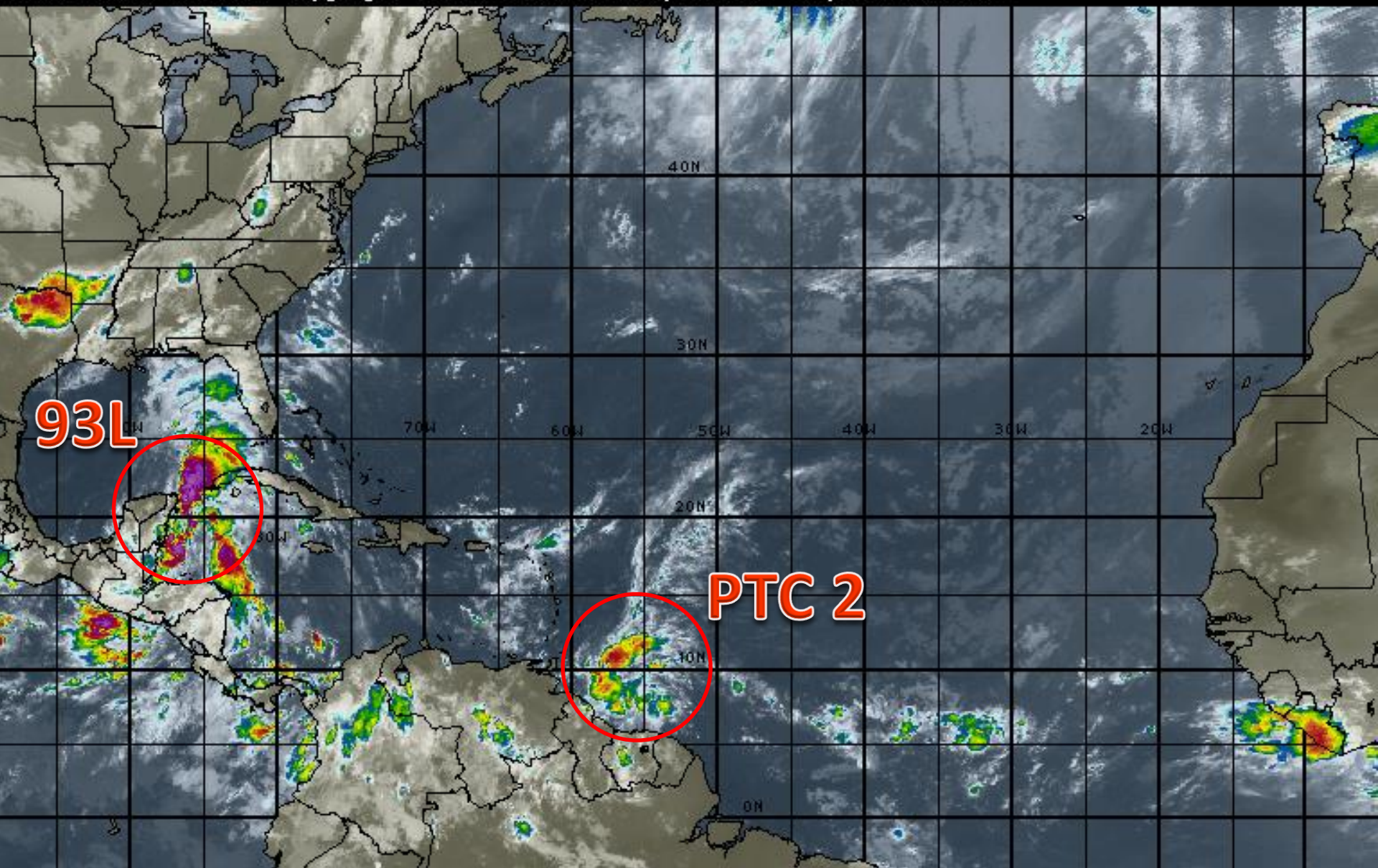
**Potential Tropical Cyclone #2
(previously 92L)**

Gulf Invest Area 93L

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

12:00 19-JUN-2017 GMT Copyright © 1998-2016 WSI Corporation <http://www.wsi.com>





Five-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



www.hurricanes.gov

All Disturbances

90%

TWO

8:00 am EDT
Mon Jun 19 2017

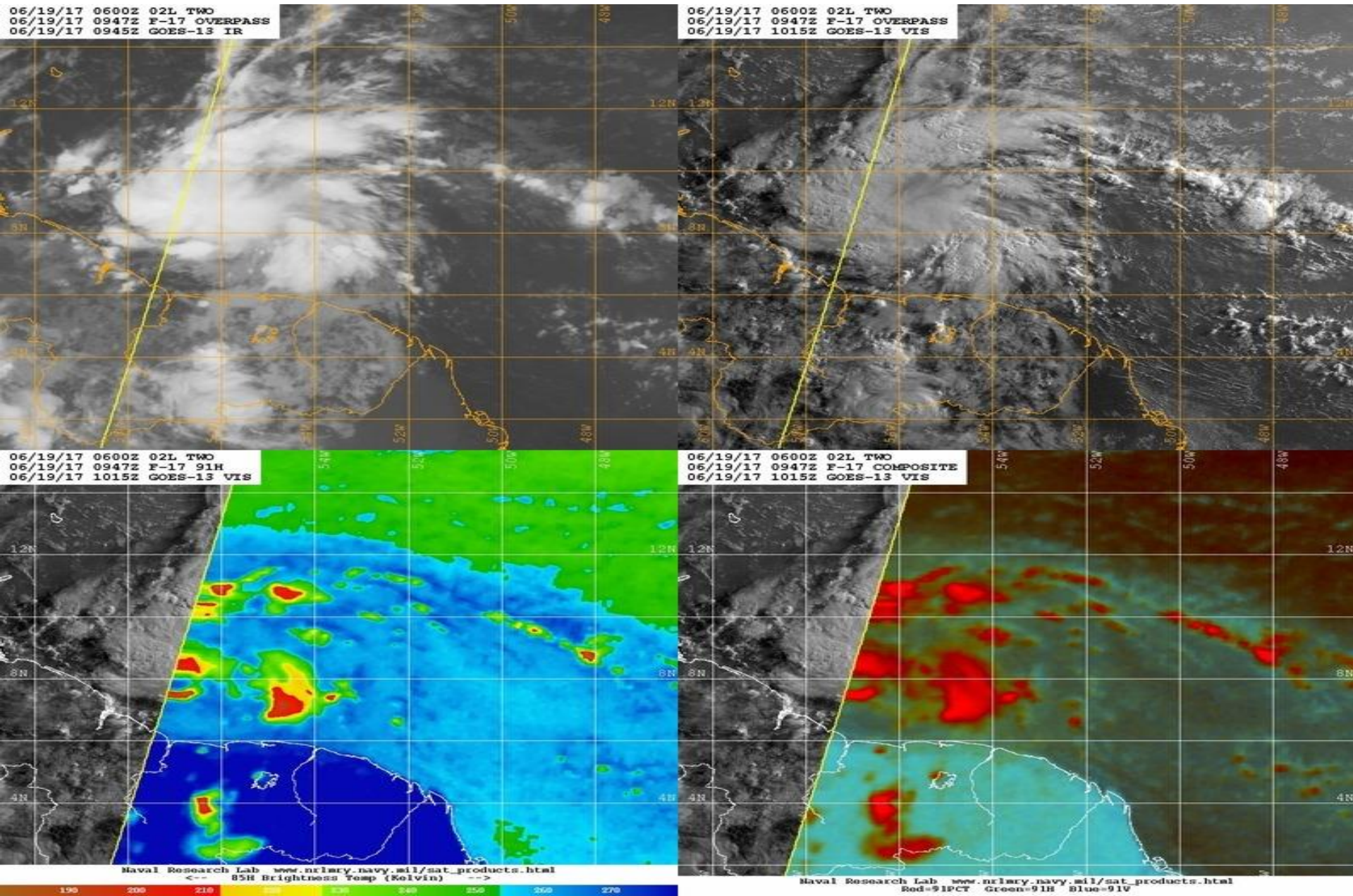
100°W 90°W 80°W 70°W 60°W 50°W 40°W 30°W 20°W

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

Tropical or Sub-Tropical Cyclone: ○ Depression 🌀 Storm 🌀 Hurricane

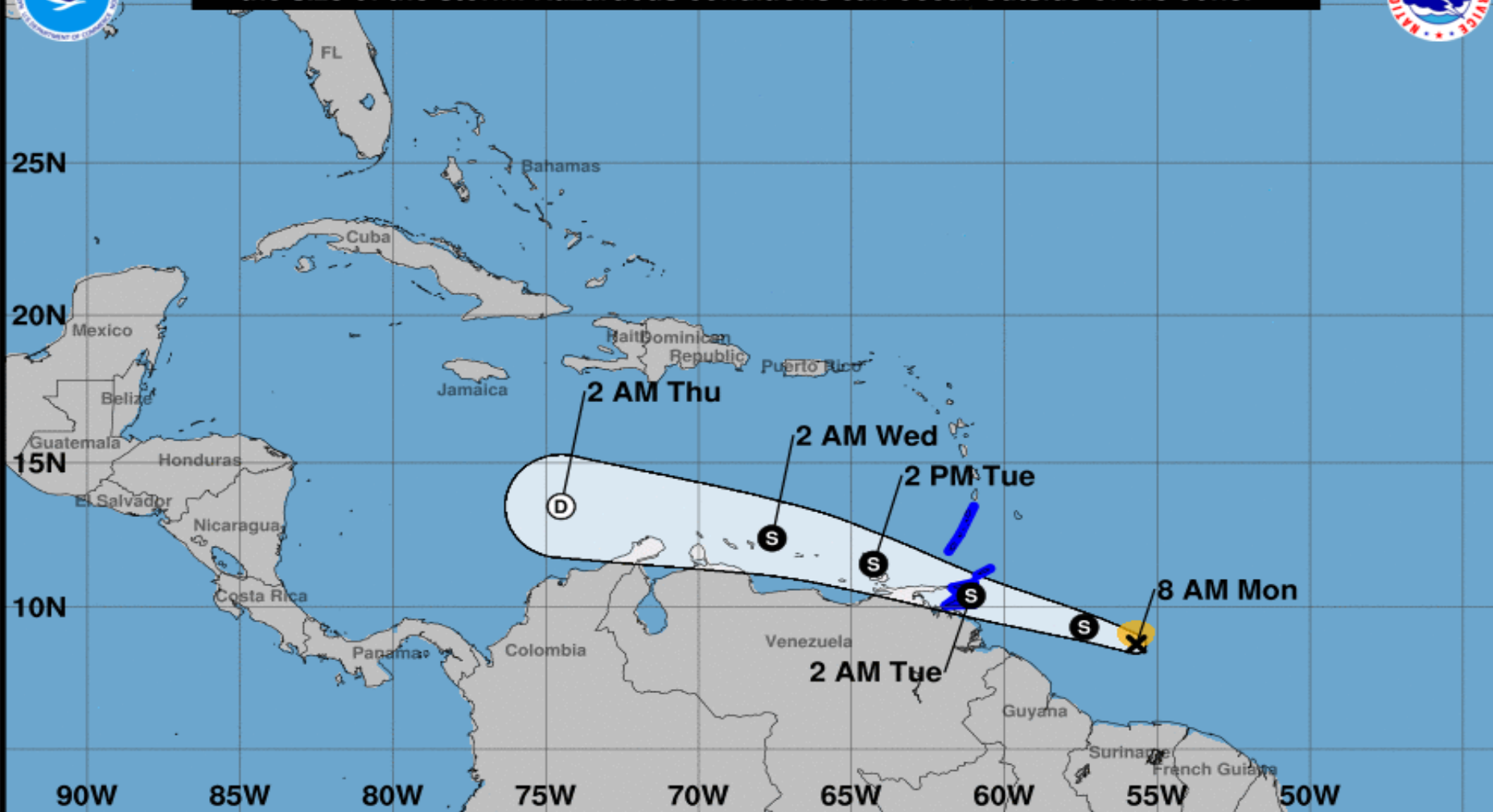
⊗ Post-Tropical Cyclone ✖ Remnants

Potential Cyclone #2 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.



Potential Tropical Cyclone Two
Monday June 19, 2017
8 AM AST Intermediate Advisory 3A
NWS National Hurricane Center

Current information: x
Center location 8.7 N 55.7 W
Maximum sustained wind 40 mph
Movement W at 23 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

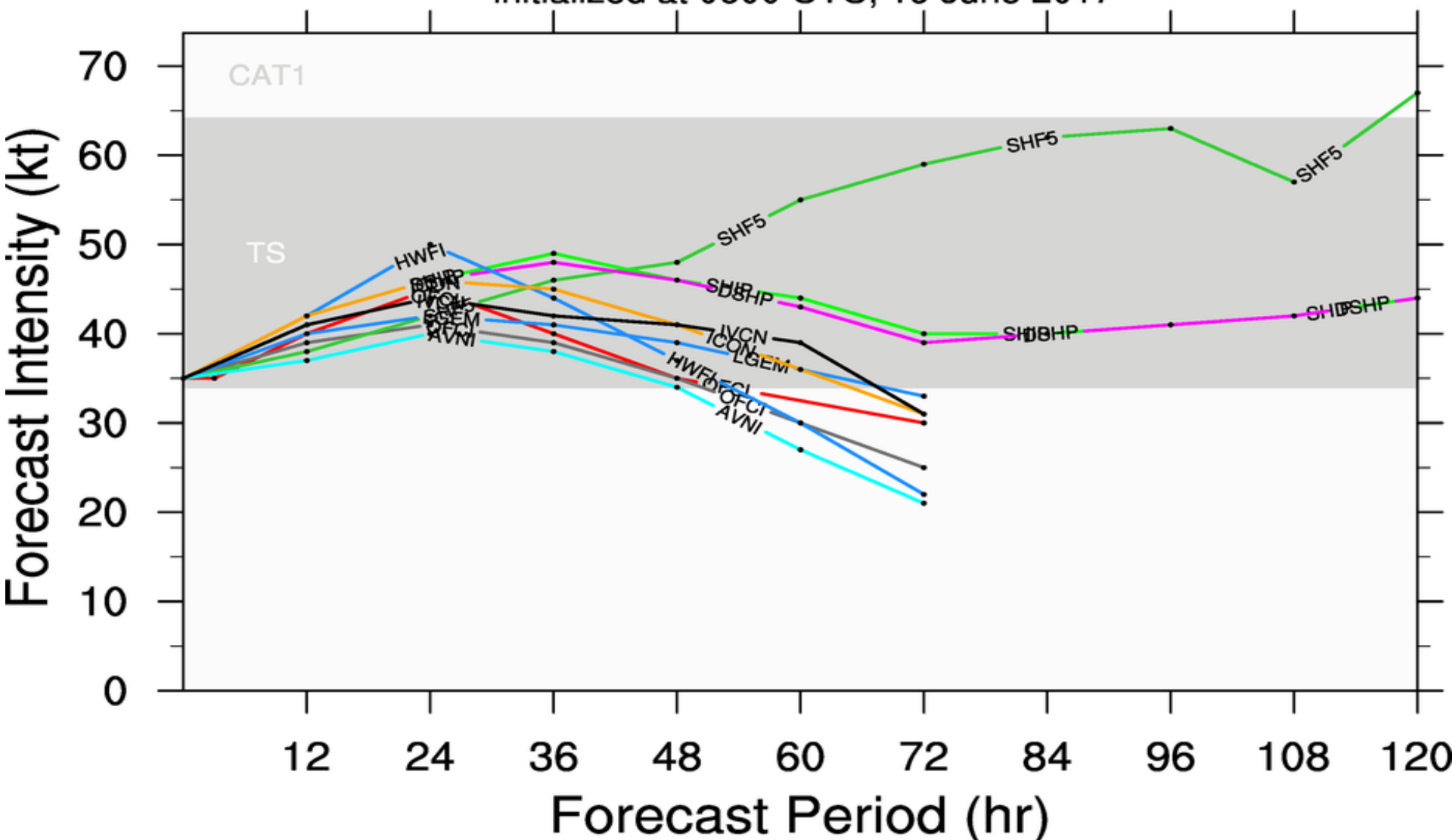
Potential Cyclone 2 model tracks



DISTURBANCE TWO (AL02)

Early-cycle intensity guidance

initialized at 0600 UTC, 19 June 2017



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Plot generated at 0921 UTC 19 June 2017

Invest 93L Satellite Image

Low level cloud swirl could be one possible center beginning to form. Another possible location is near the tip of the Yucatan Peninsula. Note that storms are displaced to the east.



Invest 93L Model Track Guidance

Initialized at 12z Jun 19 2017

Levi Cowan - tropicaltidbits.com

Computer models are in better agreement, but may be unreliable until a defined center of circulation forms. Regardless of track, much of the storminess will be displaced to the east.

45°N

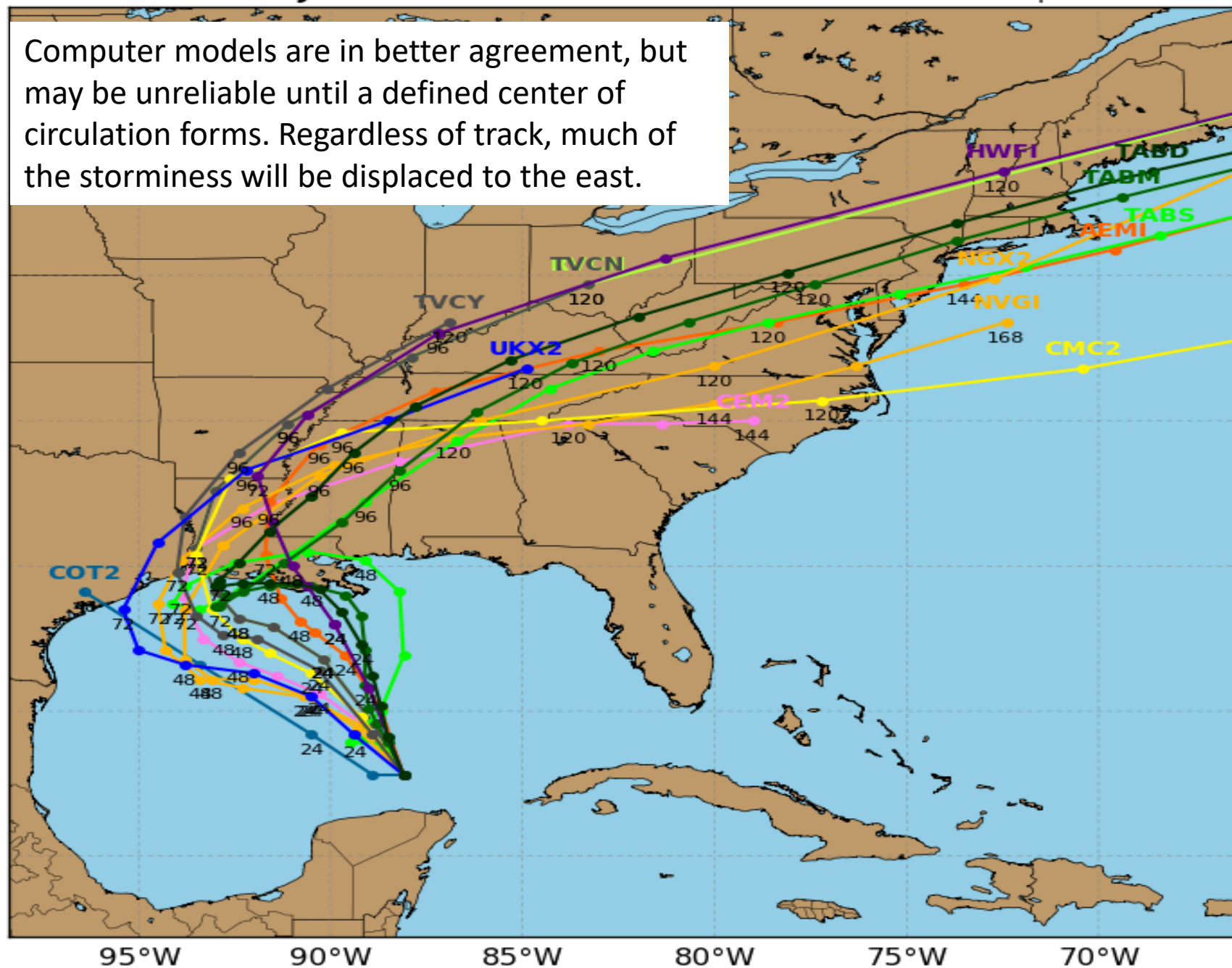
40°N

35°N

30°N

25°N

20°N



95°W

90°W

85°W

80°W

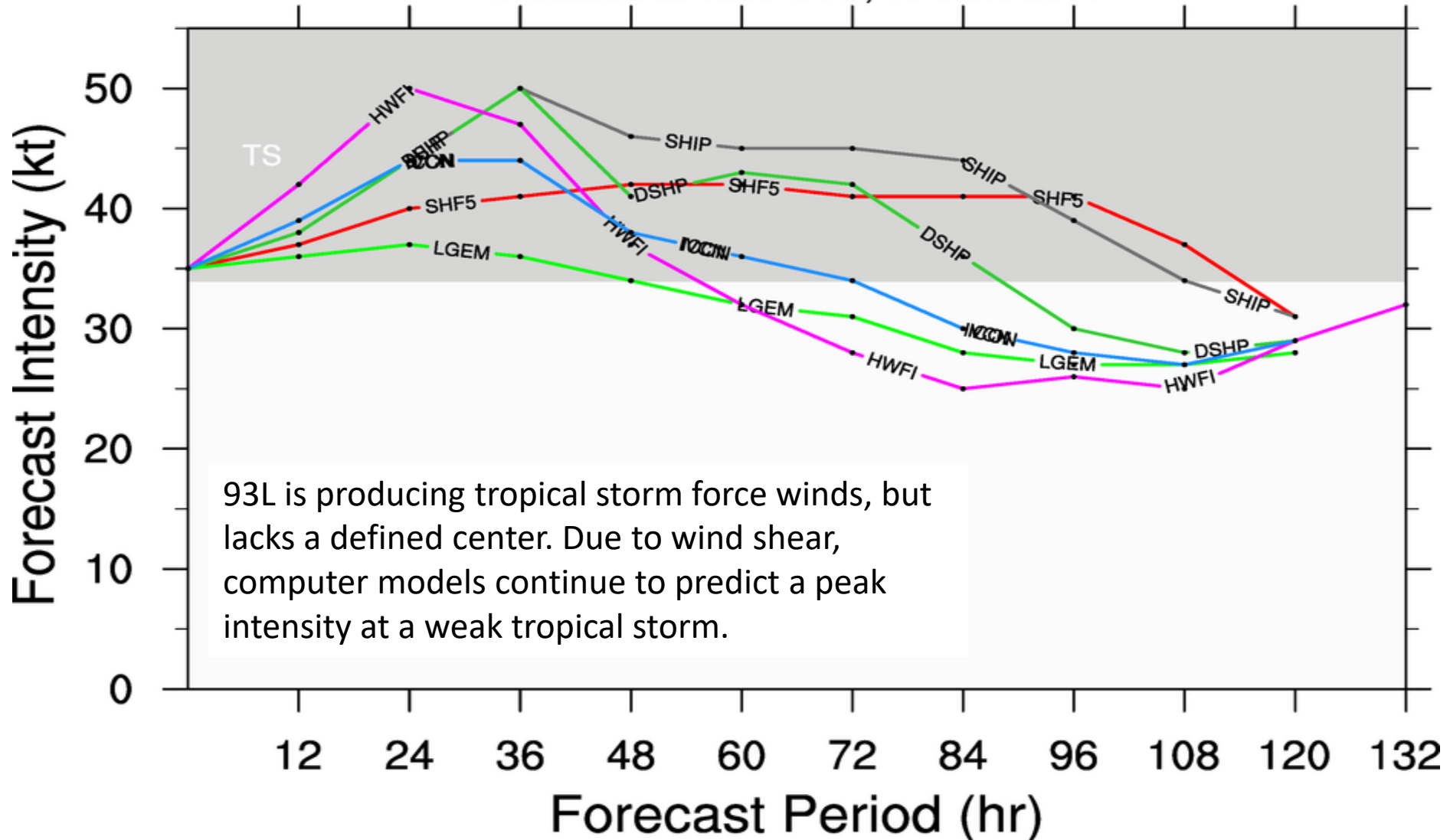
75°W

70°W

LOW INVEST (AL93)

Early-cycle intensity guidance

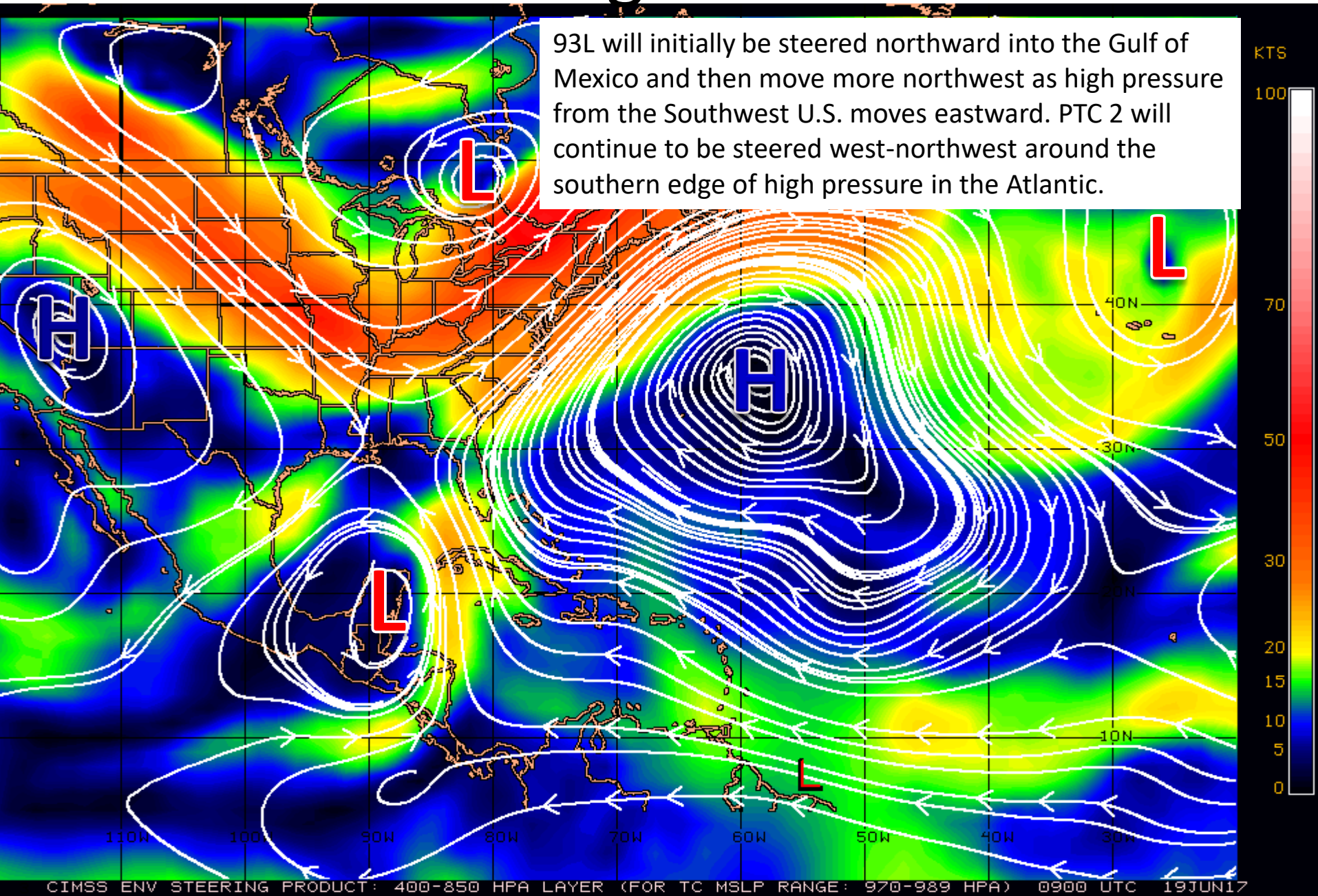
initialized at 1200 UTC, 19 June 2017



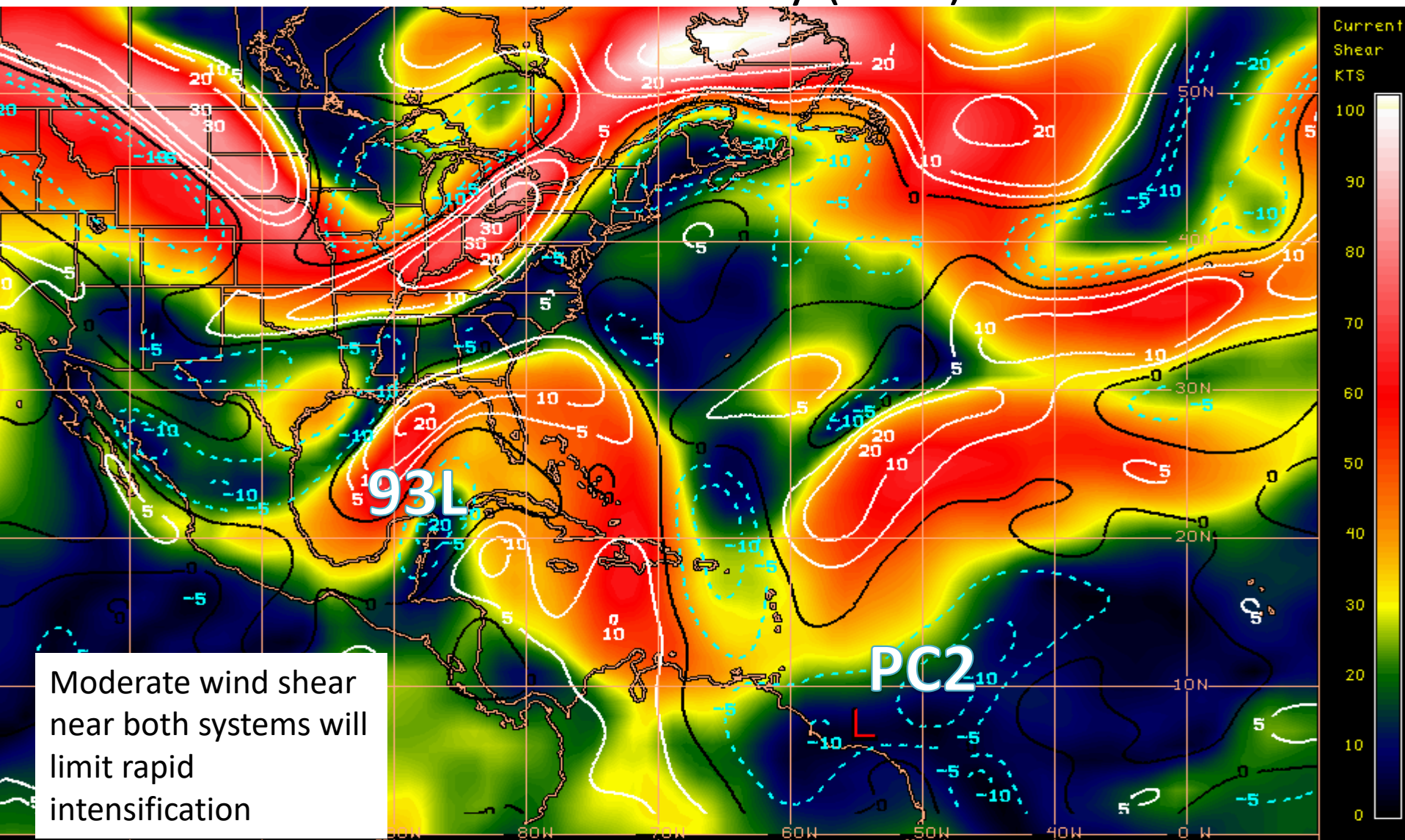
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Plot generated at 1249 UTC 19 June 2017

Steering Currents



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



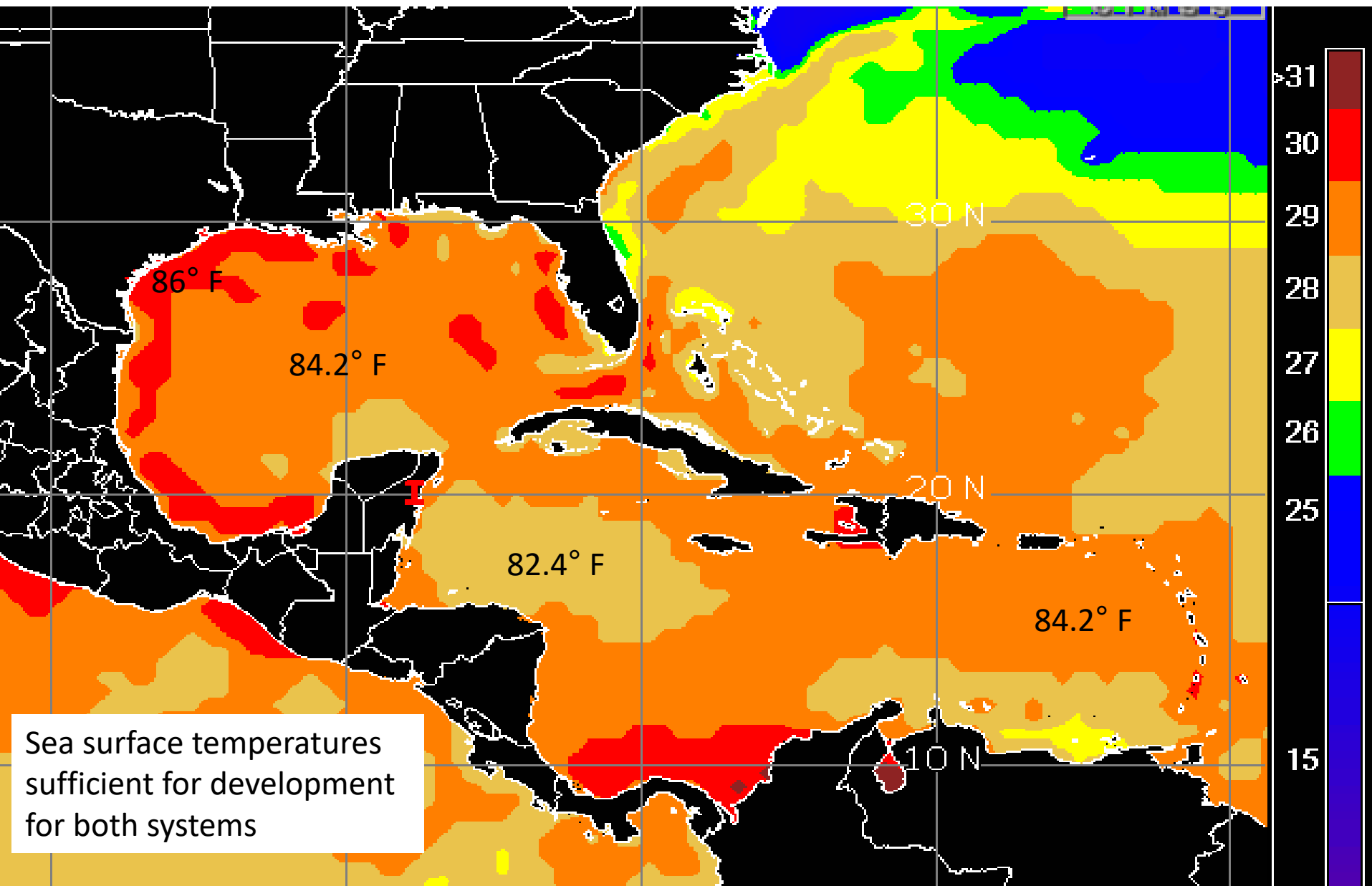
Moderate wind shear
near both systems will
limit rapid
intensification

PC2

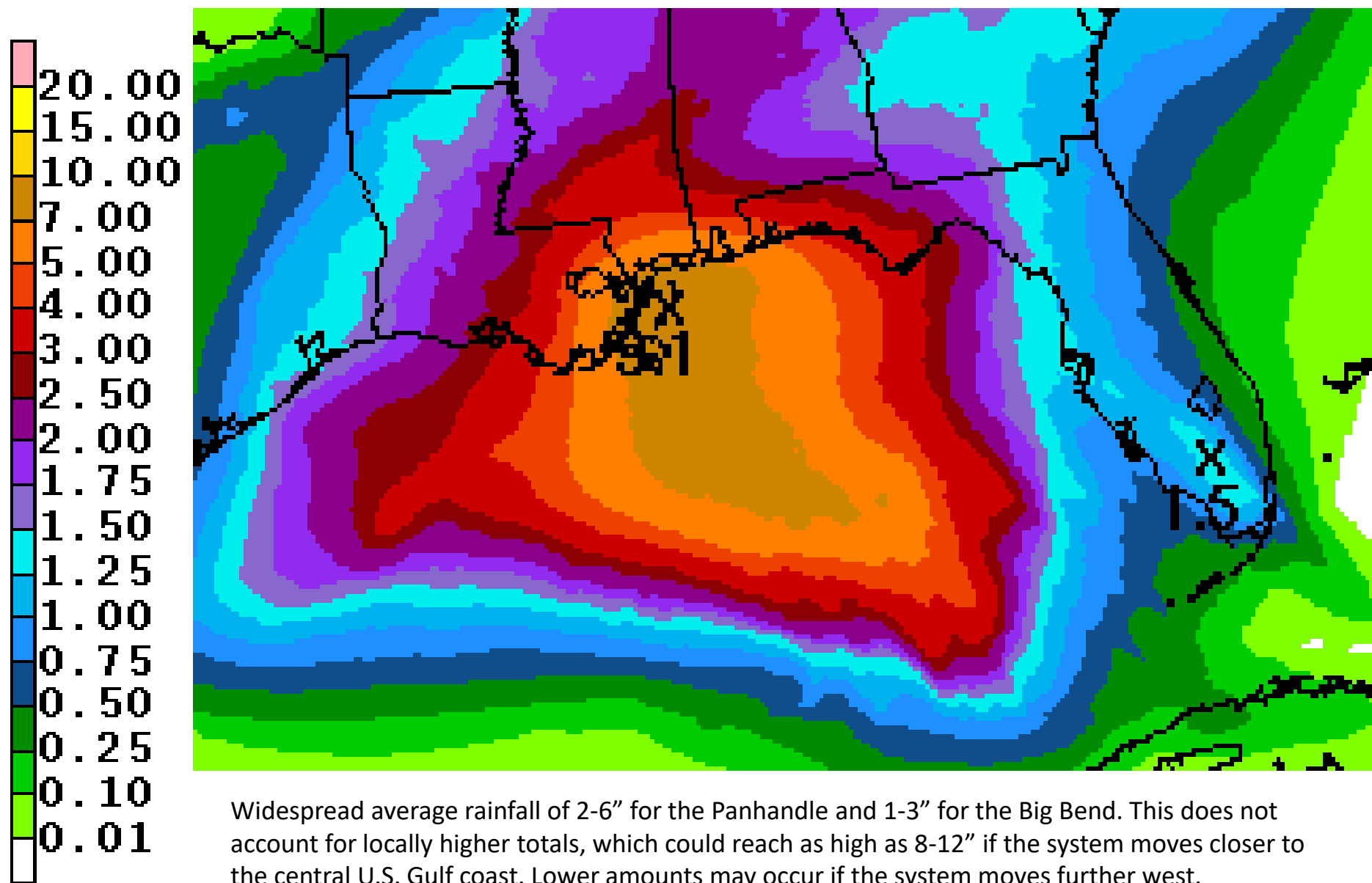
93L

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

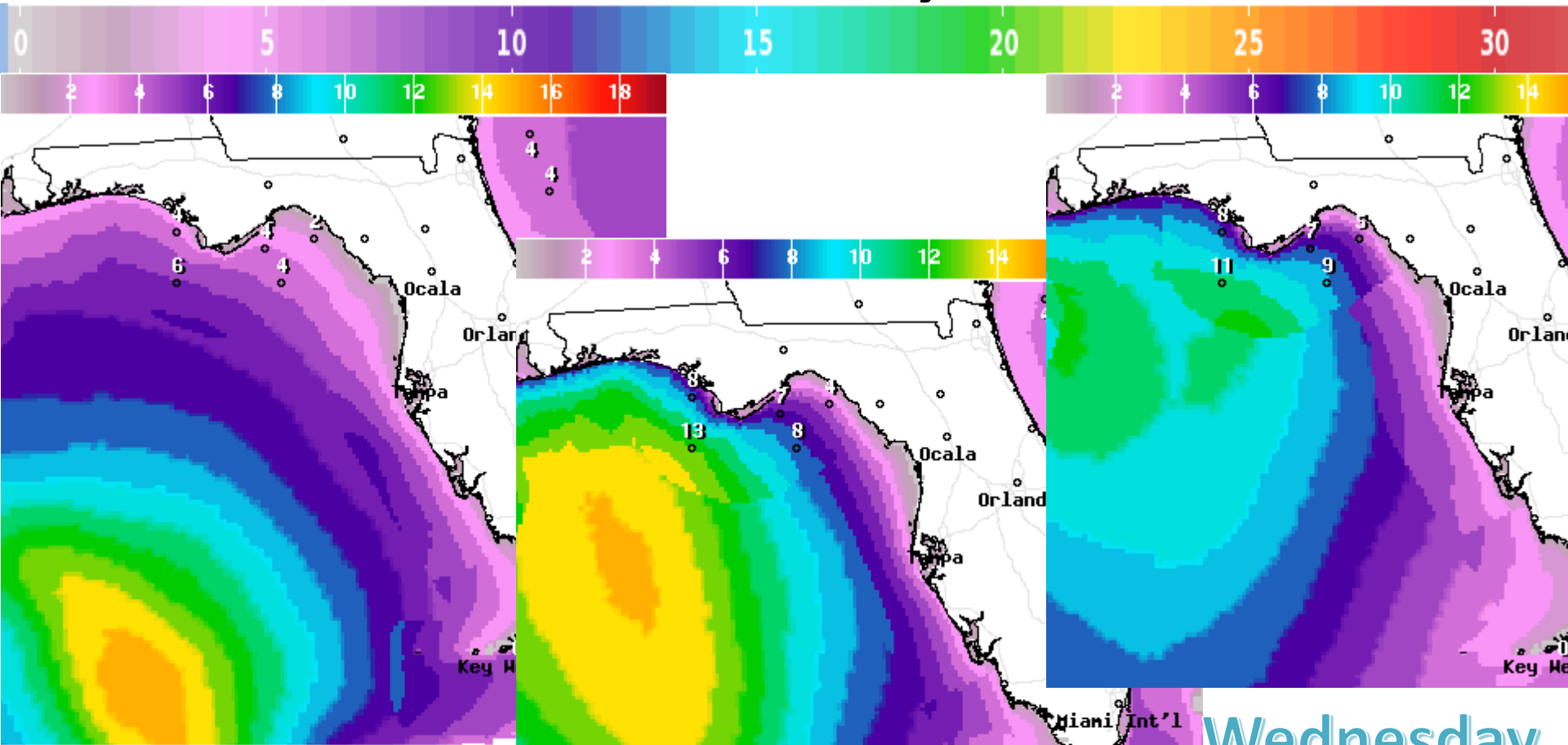
Sea Surface Temperatures In Caribbean / Gulf



Forecast Total Rainfall Accumulations for next 5 Days



Forecast Wave Heights (feet) – Monday, Tuesday & Wednesday



Monday

Tuesday

Wednesday

Summary

- As of 8am EDT Monday, Potential Tropical Cyclone #2 was located about 400 miles east of Trinidad.
- Although the system does not have a defined center of circulation, tropical storm impacts are expected in the Windward Islands within the next 36 hours.
- If the system acquires a center of circulation, it would be named a tropical storm. A Hurricane Hunter reconnaissance mission is currently scheduled for this afternoon.
- Regardless, Potential Tropical Cyclone 2 is forecast to move west-northwest through the next 5 days into the eastern and central Caribbean Sea, where it will likely begin to weaken and eventually dissipate due to hostile environmental conditions.
- Further west, Invest 93L remains somewhat disorganized near the Yucatan Peninsula. The system will gradually move north into the southern Gulf of Mexico today where it will have an opportunity to organize into a tropical system.
- The National Hurricane Center is predicting an 80% chance that it becomes a tropical storm within the next 2 days.
- A Hurricane Hunter reconnaissance is scheduled to fly into the system this afternoon.
- Computer models are gradually getting into better agreement on the eventual track of this system, but are still prone to error due to a lack of a defined center of circulation. The range of possibilities now lies between east-central Texas and southeast Louisiana.
- However, environmental conditions will become increasingly unfavorable and limited intensification is forecast to occur.
- The next names on the 2017 Atlantic Storm name list is Bret and Cindy.

- **Florida Outlook:**
- Potential Cyclone #2 is not expected to be a threat to Florida.
- Regardless of track and intensity, the main threat from 93L will be the potential for very heavy rainfall, especially in the Tuesday through Thursday timeframe this week.
- Widespread rainfall amounts of 2-4" are expected along the Florida Panhandle, with locally higher amounts possible, especially if the system moves closer to the central U.S. Gulf Coast. Flood or Flash Flood Watches may be issued later today.
- Increased wave heights of 4-8' are also expected along the Panhandle coast and may lead to minor coastal flooding at times of high tide on Tuesday and Wednesday along with a high risk of rip currents.

Another briefing packet will be issued this afternoon. 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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