



TROPICAL UPDATE



5:00 PM EDT

Tuesday, August 11, 2020

Tropical Depression Eleven

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.hurricanes.gov.



Atlantic Basin Satellite Image

Chance of development: — None — Low — Medium — High



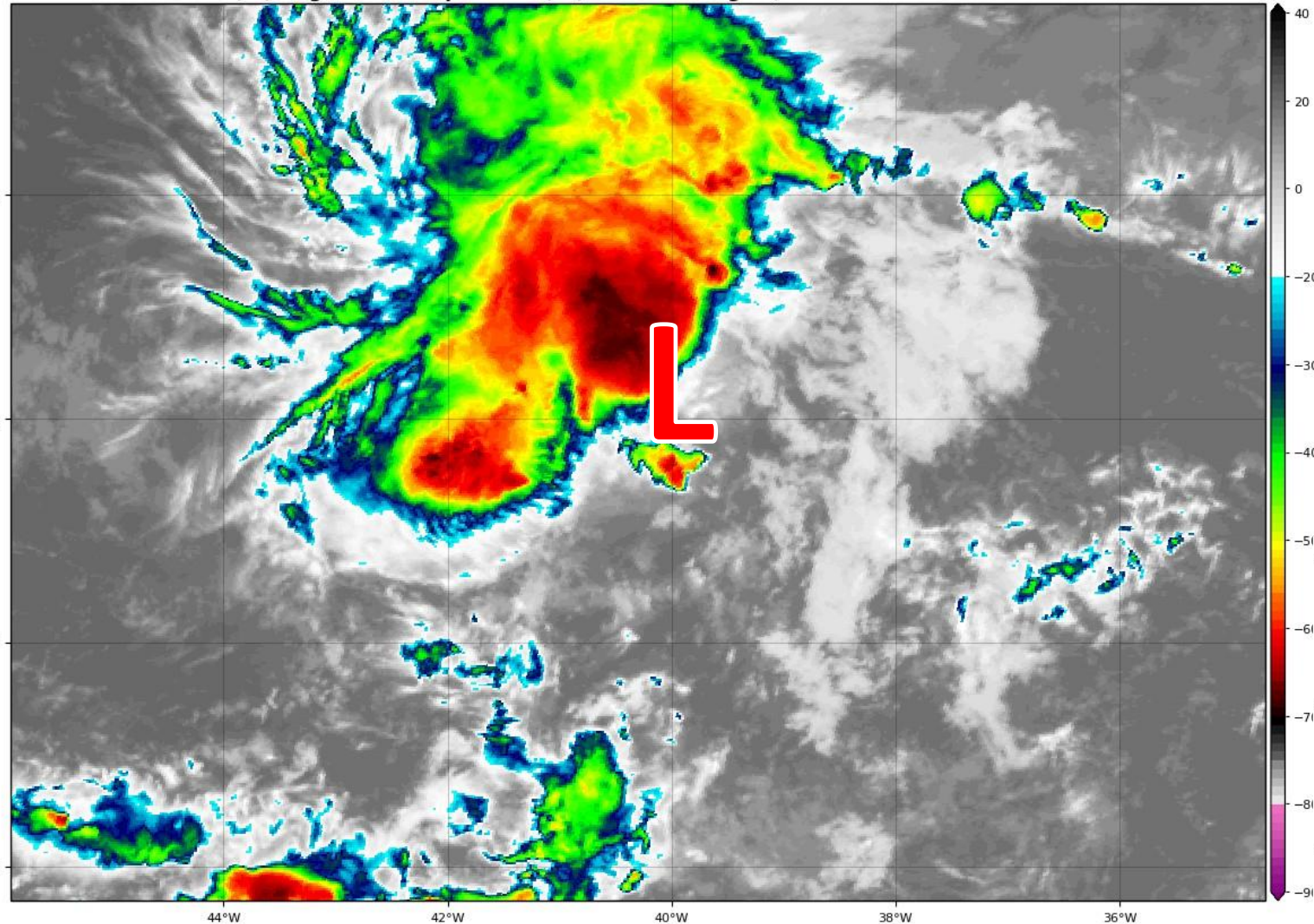


Satellite Imagery

Central Atlantic – Tropical Depression Eleven

GOES-16 Channel 13 (IR) Brightness Temperature (°C) at 20:15Z Aug 11, 2020

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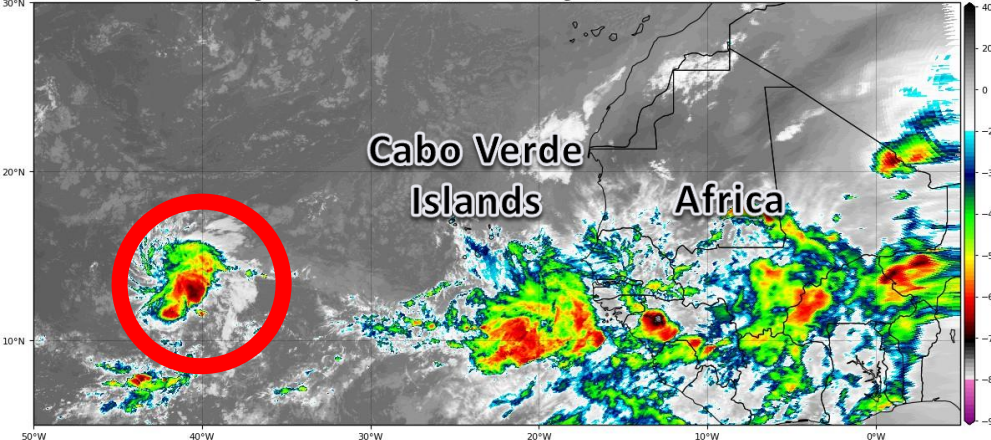


While more organized than this morning, thunderstorms are only located on the western side of the circulation, and the circulation remains tiny. Some dry air may have wrapped into the system.

The system is about a thousand miles east of the Lesser Antilles, putting it halfway between Africa and the Caribbean.

GOES-16 Channel 13 (IR) Brightness Temperature (°C) at 20:15Z Aug 11, 2020

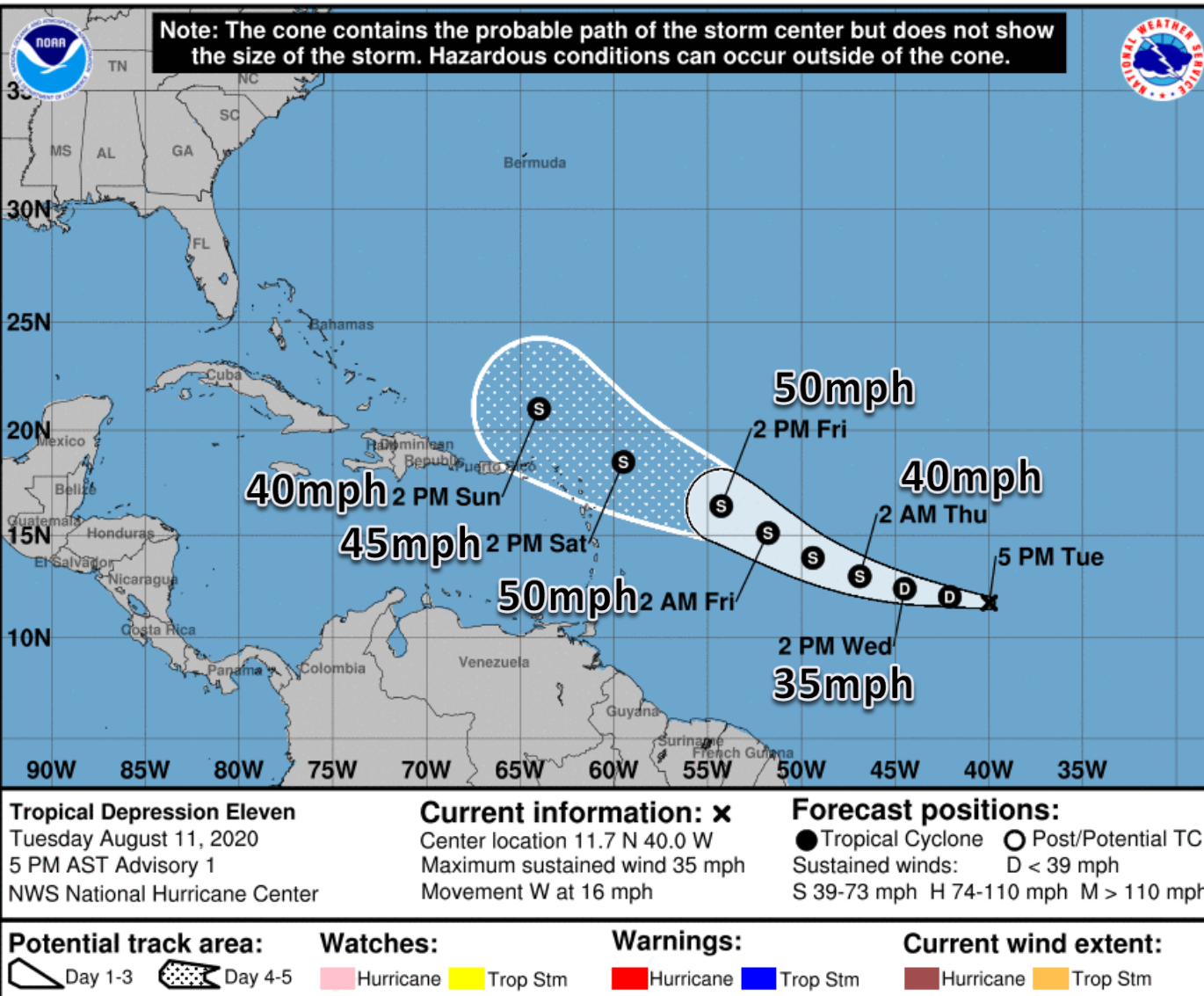
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Official Forecast Track

From the National Hurricane Center – Tropical Depression 11



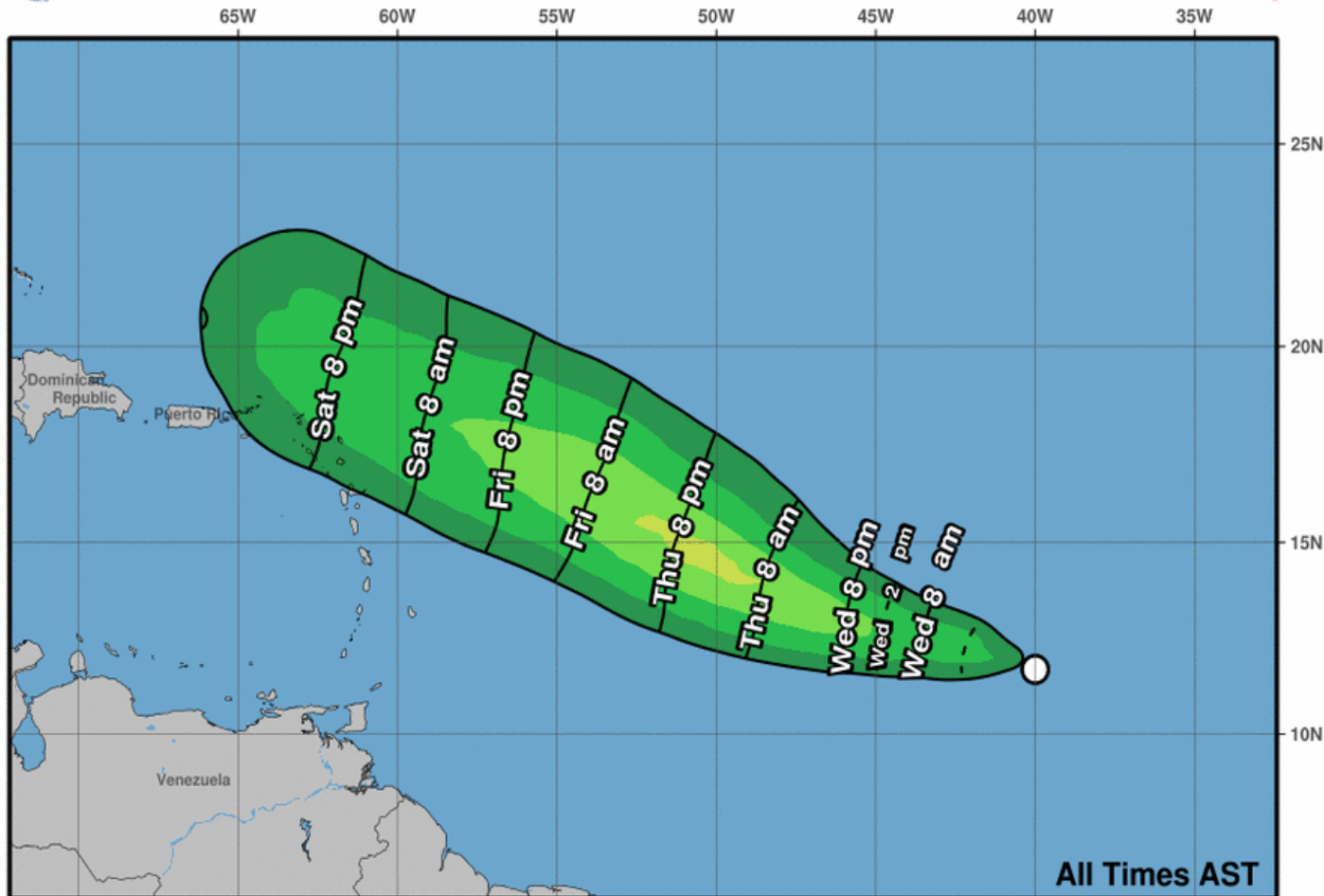
- The center of Tropical Depression Eleven is about 1,500 miles east of the Lesser Antilles, or about halfway between Africa and the Caribbean.
- Maximum sustained winds are only at 35 mph, but some strengthening to a tropical storm is forecast over the next 48 hours.
- TD #11 is moving to the west at 16 mph. As the system heads northwest later this week, the environment is forecast to be unfavorable and the system is expected to weaken.
- This system poses no threat to Florida at this time (at least through early next week), but should continue to be monitored.



Time of Arrival & Wind Speed Probabilities

MOST LIKELY Time of Arrival of Tropical Storm Force Winds (>39 mph)

Most Likely Arrival Time of Tropical-Storm-Force Winds



The system will near the northeastern Caribbean, including Puerto Rico and the U.S. Virgin Islands Saturday night.

Tropical Depression Eleven
Tue. Aug. 11, 2020 5 pm AST
Advisory 1

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 %

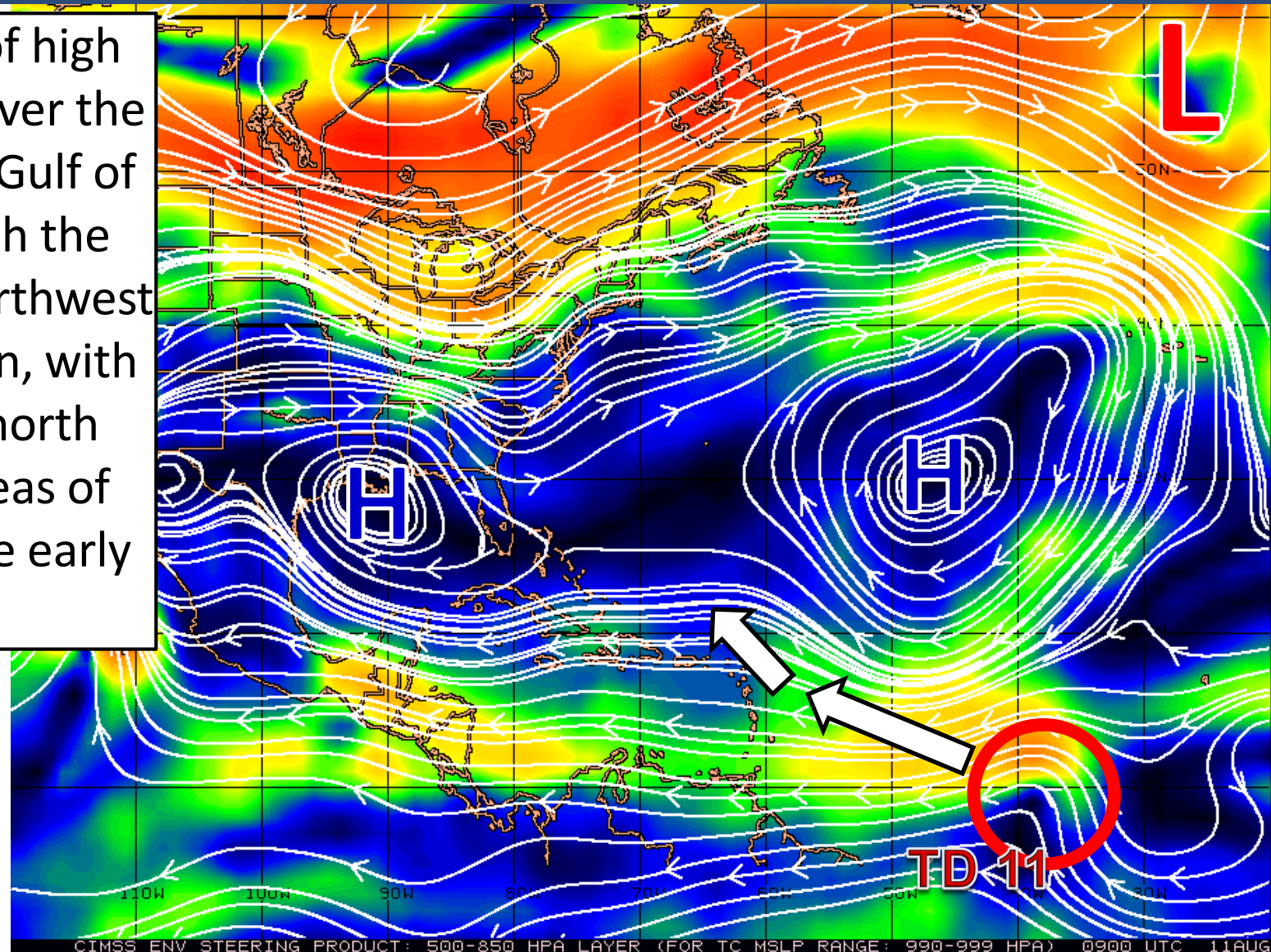


Steering Currents

What is moving the system?

Color denotes the movement speed through the atmosphere and thin white lines denote direction. Tightly clustered white lines represent faster movement as well.

A large, strong area of high pressure is centered over the Atlantic and over the Gulf of Mexico. This will push the tropical wave west/northwest towards the Caribbean, with a turn towards the north between the two areas of high pressure possible early next week.



KTS

100

70

50

30

20

15

10

5

0

Fast Moving Storm

Fast Moving Storm

Typical Moving Storm

Slow Moving Storm

CIMSS ENV STEERING PRODUCT: 500-850 HPA LAYER (FOR TC MSLP RANGE: 990-999 HPA) 0900 UTC 11AUG20

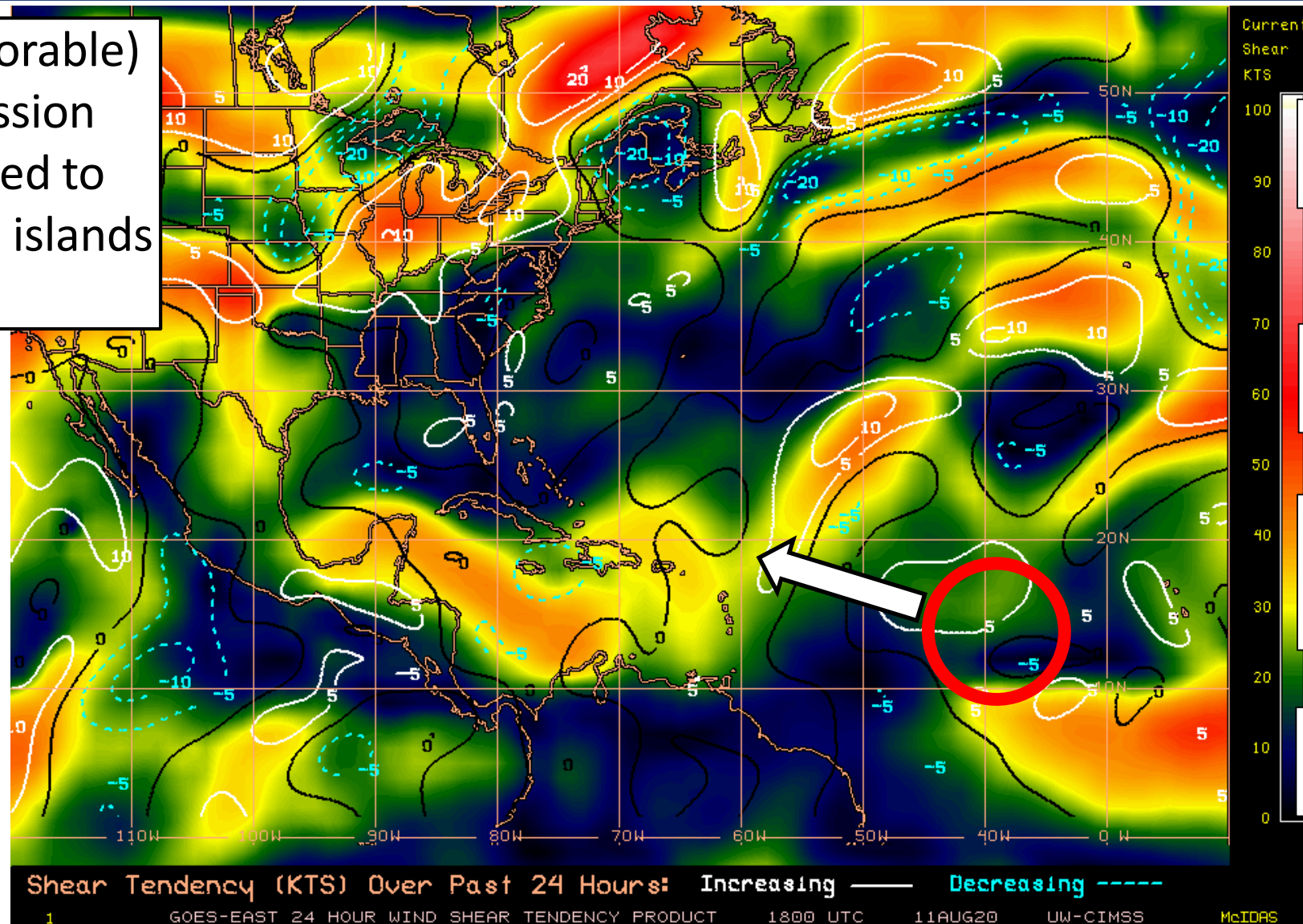


Wind Shear

Is the environment favorable for the system?

Color denotes the amount of wind shear and the lines denote how it have changed over the last 24 hours (dotted lines show decreasing shear and solid lines show increasing).

Wind shear is low (favorable) near Tropical Depression Eleven, but is expected to increase as it nears the islands later this week.



HIGH Shear
(Unfavorable)

HIGH Shear
(Unfavorable)

MODERATE
Shear
(Neutral)

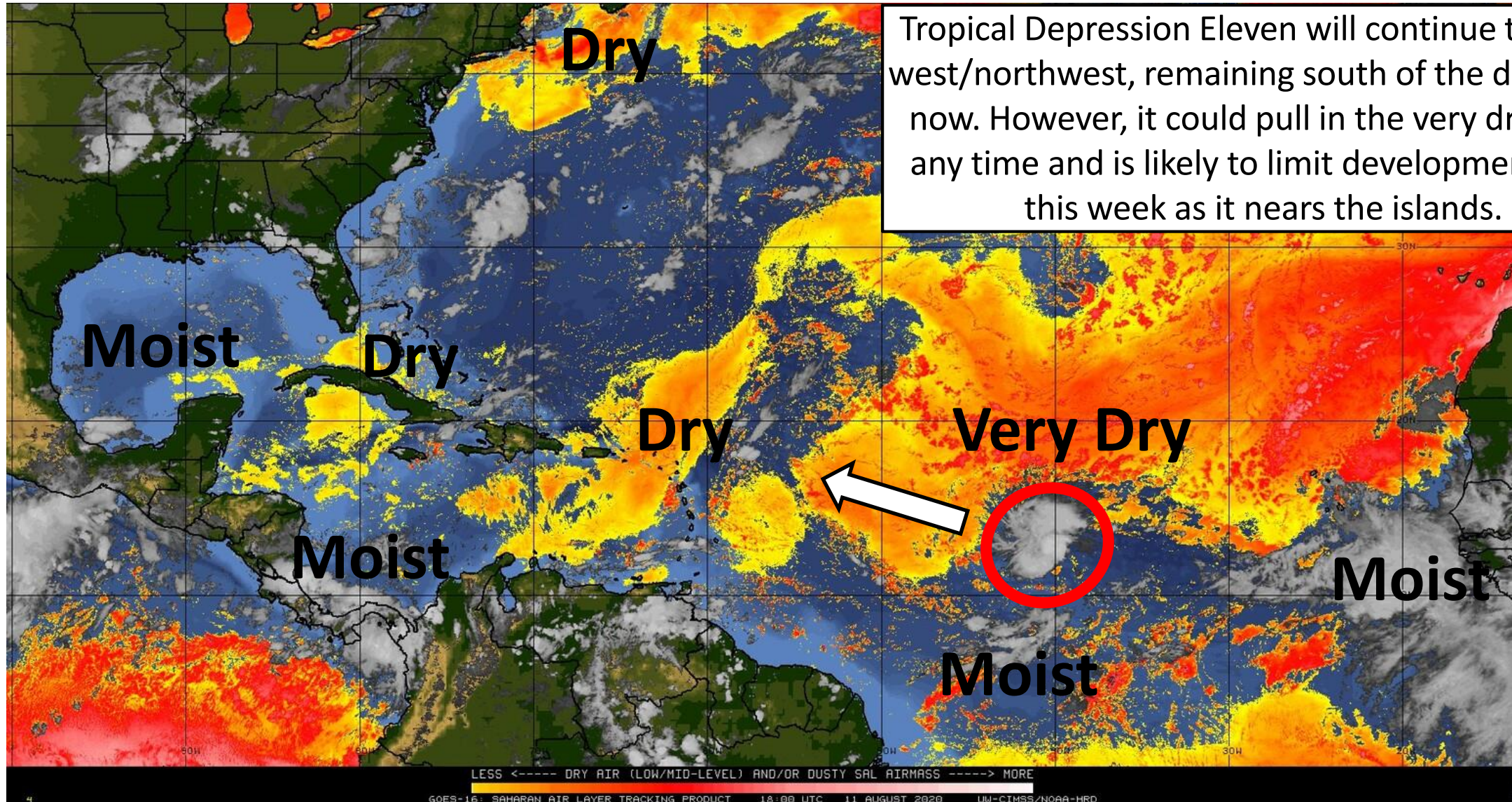
LOW Shear
(Favorable)



Dry Air & Saharan Dust

Is the environment favorable for the system?

Color denotes concentration of Saharan Dust or dry, stable air.





Overall Summary

Tropical Depression Eleven (Formerly Invest 95L)

- The tropical wave located in the eastern Atlantic continued to produce showers and thunderstorms today and Tropical Depression Eleven developed at 5 PM ET.
- The center of Tropical Depression Eleven is about 1,500 miles east of the Lesser Antilles, or about halfway between Africa and the Caribbean, moving to the west at 16 mph.
- Maximum sustained winds are only at 35 mph, but some strengthening to a tropical storm is forecast over the next 48 hours.
- As the system heads northwest later this week, the environment is forecast to be unfavorable and the system is expected to weaken and likely dissipate.
- After the islands, the forecast gets uncertain and will likely depend on if the system survives. There will be at least some opportunity for it to turn north and out to sea early next week, but a weak, remnant system may continue northwest.
- The next name on the list is Josephine.

Florida Outlook:

- This system poses no threat to Florida at this time (at least through early next week), but should continue to be monitored.

The next briefing packet will be issued late Wednesday morning. For the latest information on the tropics, please visit the National Hurricane Center website at www.hurricanes.gov.



TROPICAL UPDATE



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