



TROPICAL UPDATE

11 AM EDT

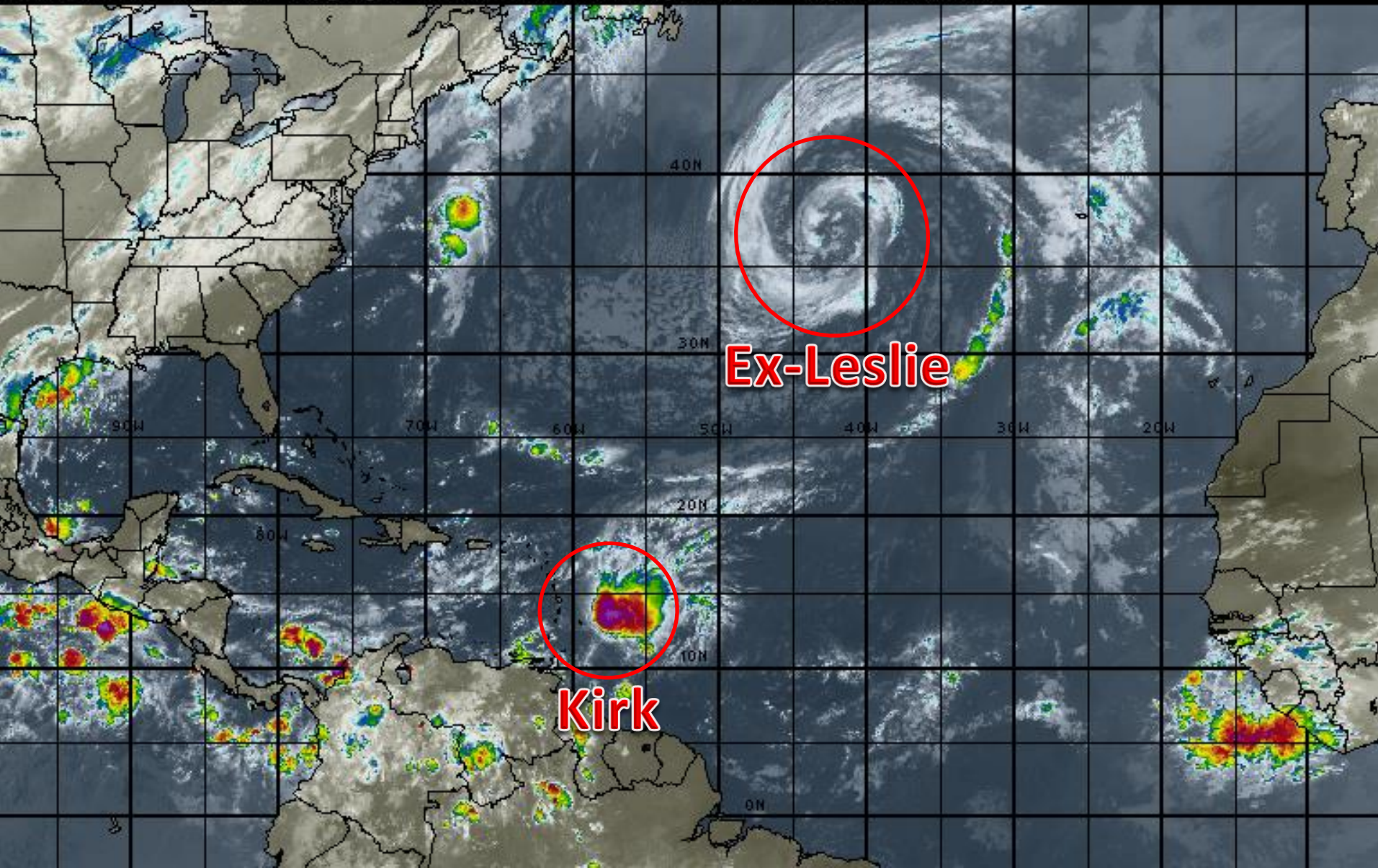
Thursday, September 27, 2018

Tropical Storm Kirk & Remnants of Leslie (90%)

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.

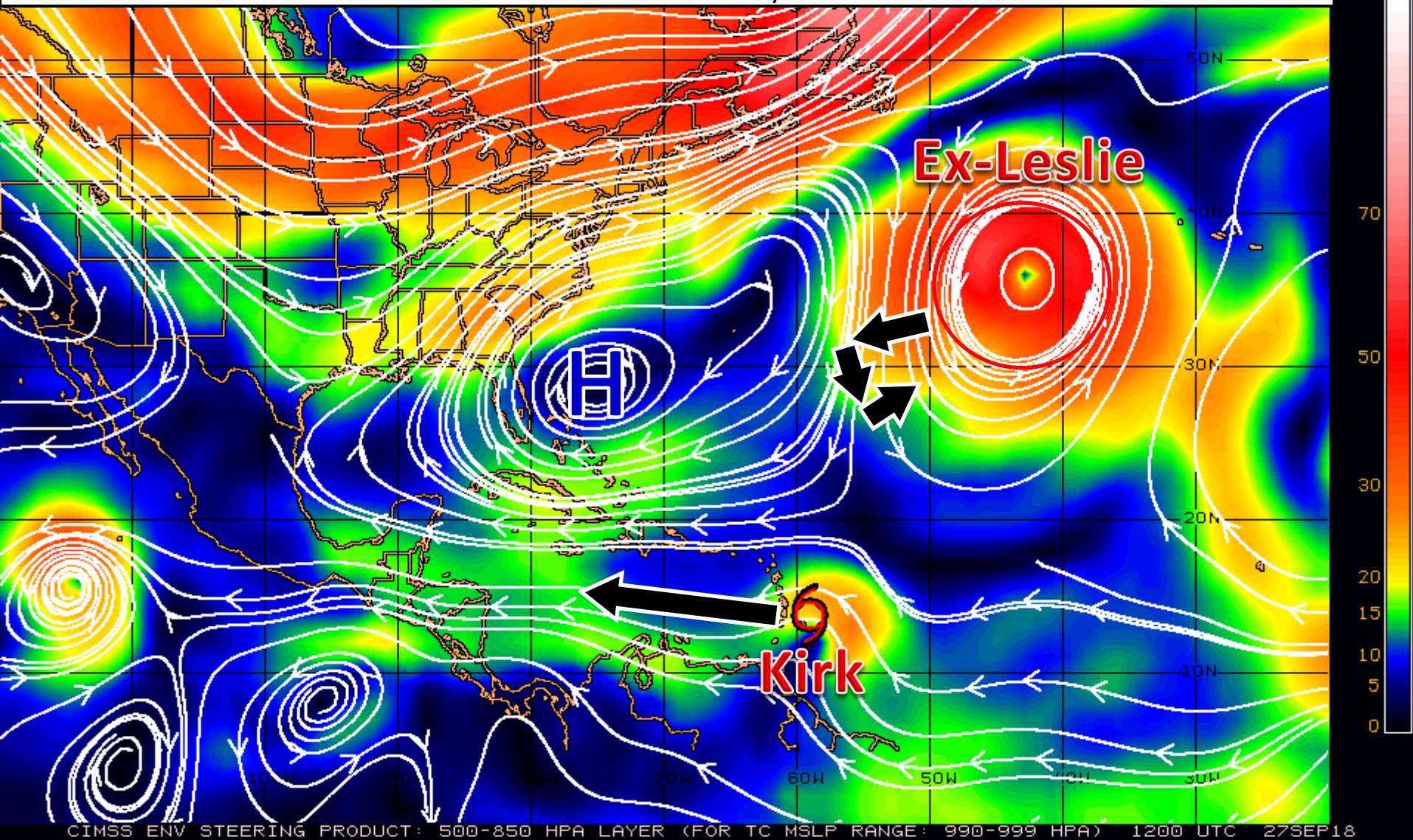
Atlantic Basin Satellite Image

12:00 27-SEP-2018 GMT Copyright © 1998-2018 MSI Corporation <http://www.wsi.com>



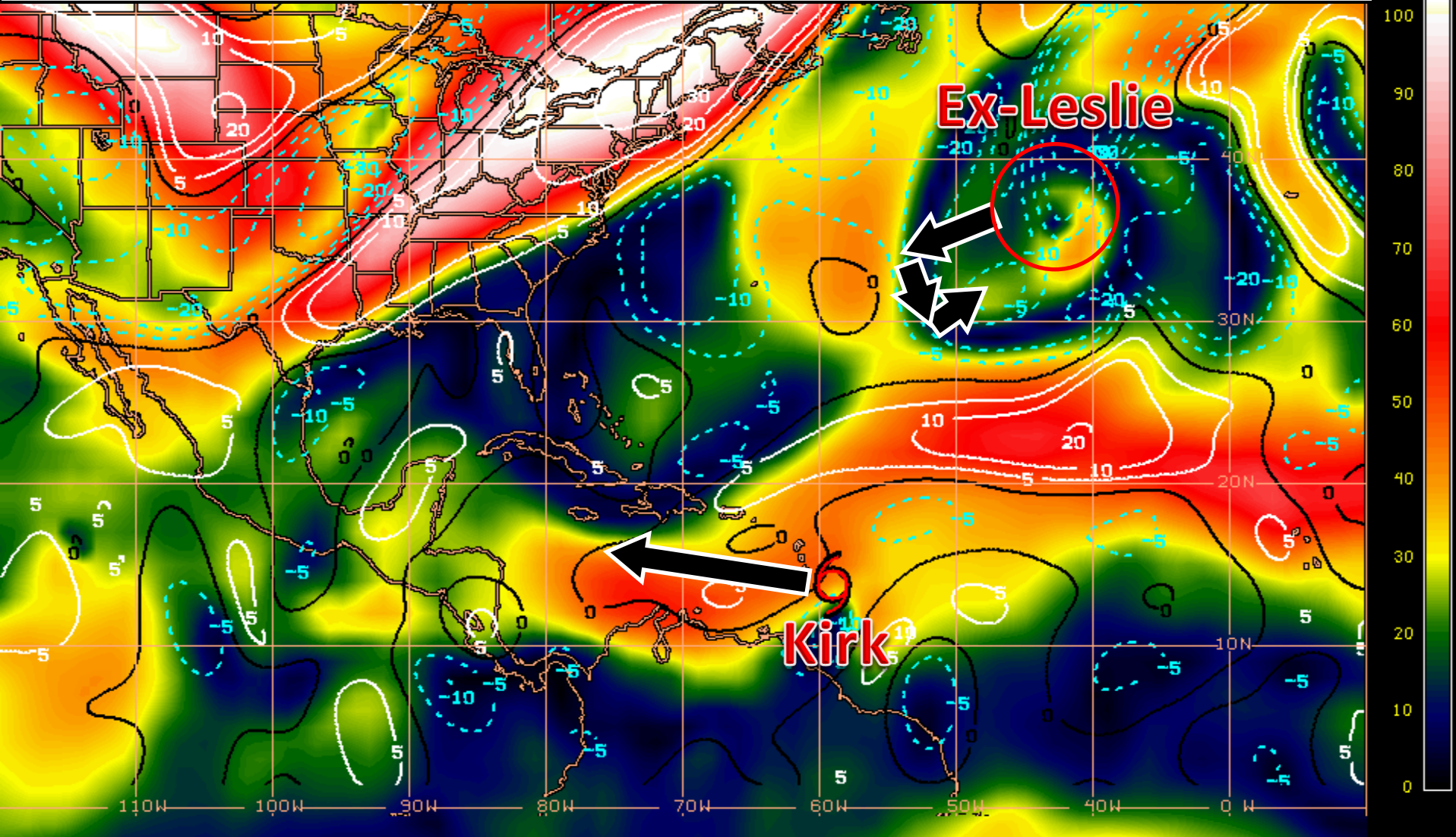
Steering Currents

Tropical Storm Kirk will move westward or west-northwestward over the next few days under a strong high pressure into the Caribbean. The remnants of Leslie will meander in the north-central Atlantic over the next several days.



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

Kirk is entering a hostile environment in the Caribbean. Wind shear will continue to increase as Kirk moves westward, which will lead to weakening and eventual dissipation. The remnants of Leslie are starting to break away from its fronts, and shear is lessening over the system. Regeneration is expected today or Friday.

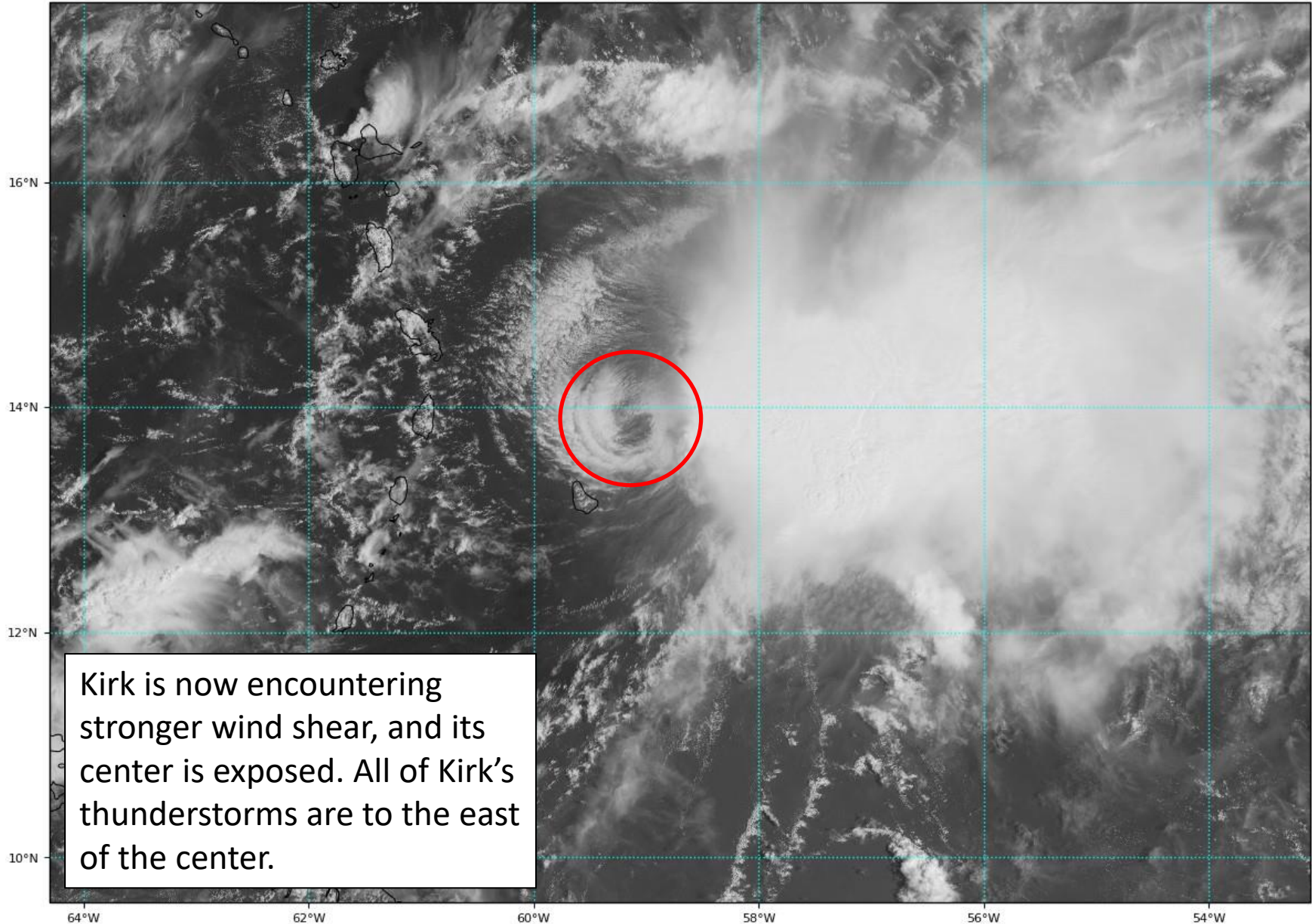


Shear Tendency (KTS) Over Past 24 Hours: Increasing — Decreasing ----

Tropical Storm Kirk Satellite Image

GOES-16 Channel 2 (visible) Reflectance at 13:50Z Sep 27, 2018

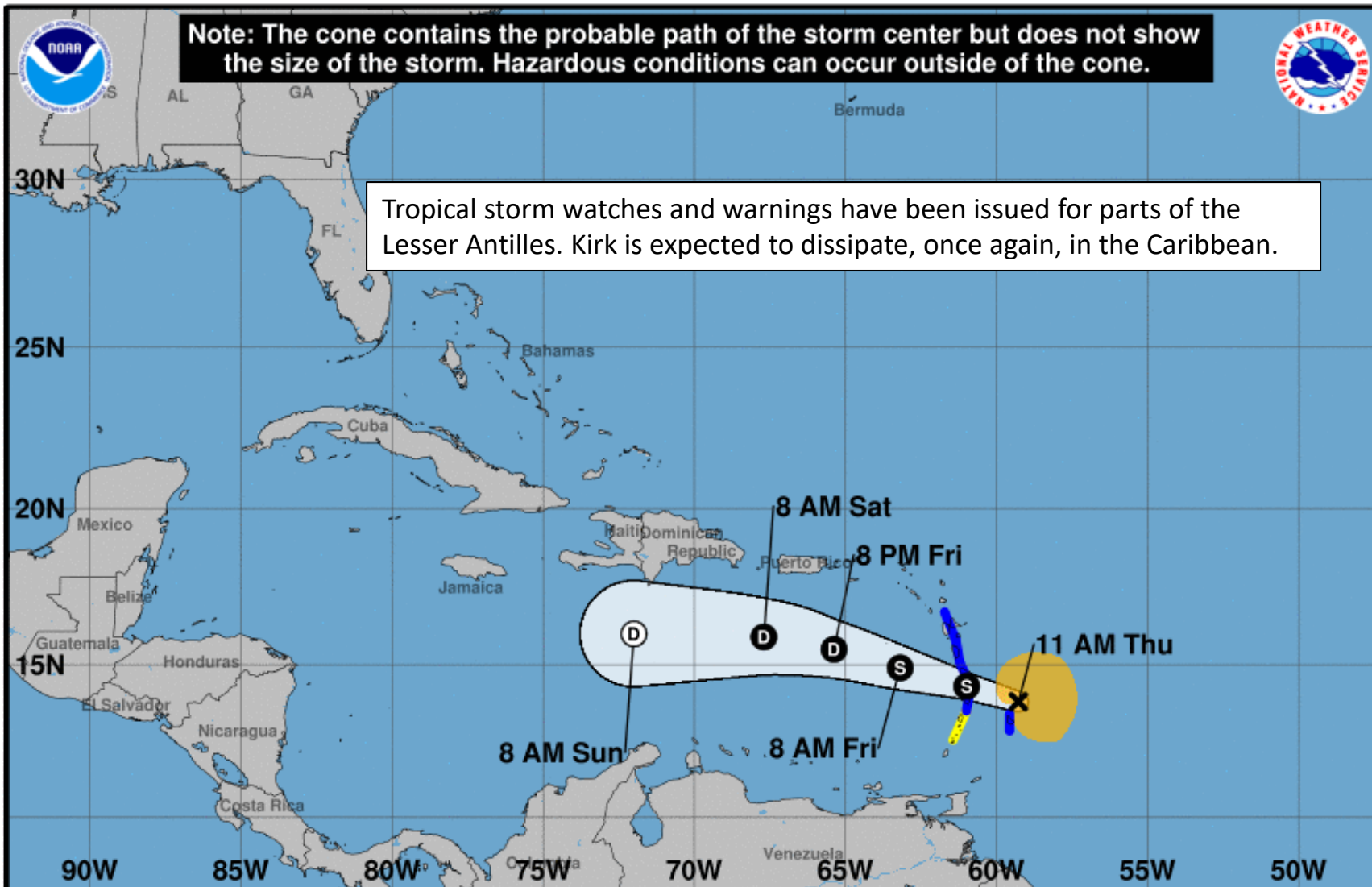
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Note: The cone contains the probable path of the storm center but does not show the size of the storm. Hazardous conditions can occur outside of the cone.

Tropical storm watches and warnings have been issued for parts of the Lesser Antilles. Kirk is expected to dissipate, once again, in the Caribbean.



Tropical Storm Kirk

Thursday September 27, 2018

11 AM AST Advisory 15

NWS National Hurricane Center

Current information: x

Center location 13.8 N 59.3 W

Maximum sustained wind 50 mph

Movement WNW 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:

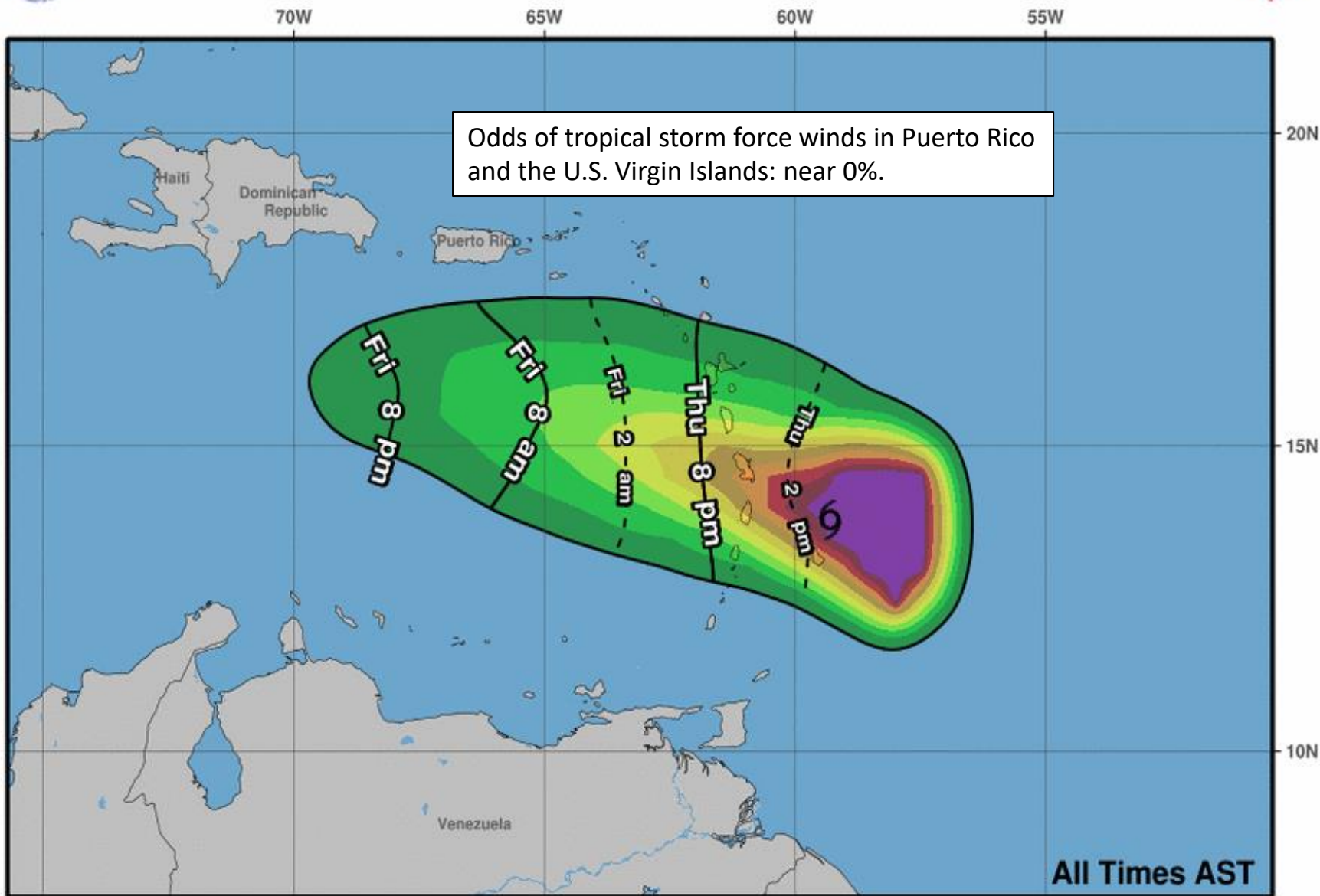
Hurricane Trop Stm

Current wind extent:

Hurricane Trop Stm



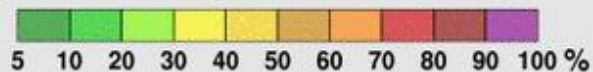
Earliest Reasonable Arrival Time of Tropical-Storm-Force Winds



Tropical Storm Kirk
Thu. Sep. 27, 2018 11 am AST
Advisory 15

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



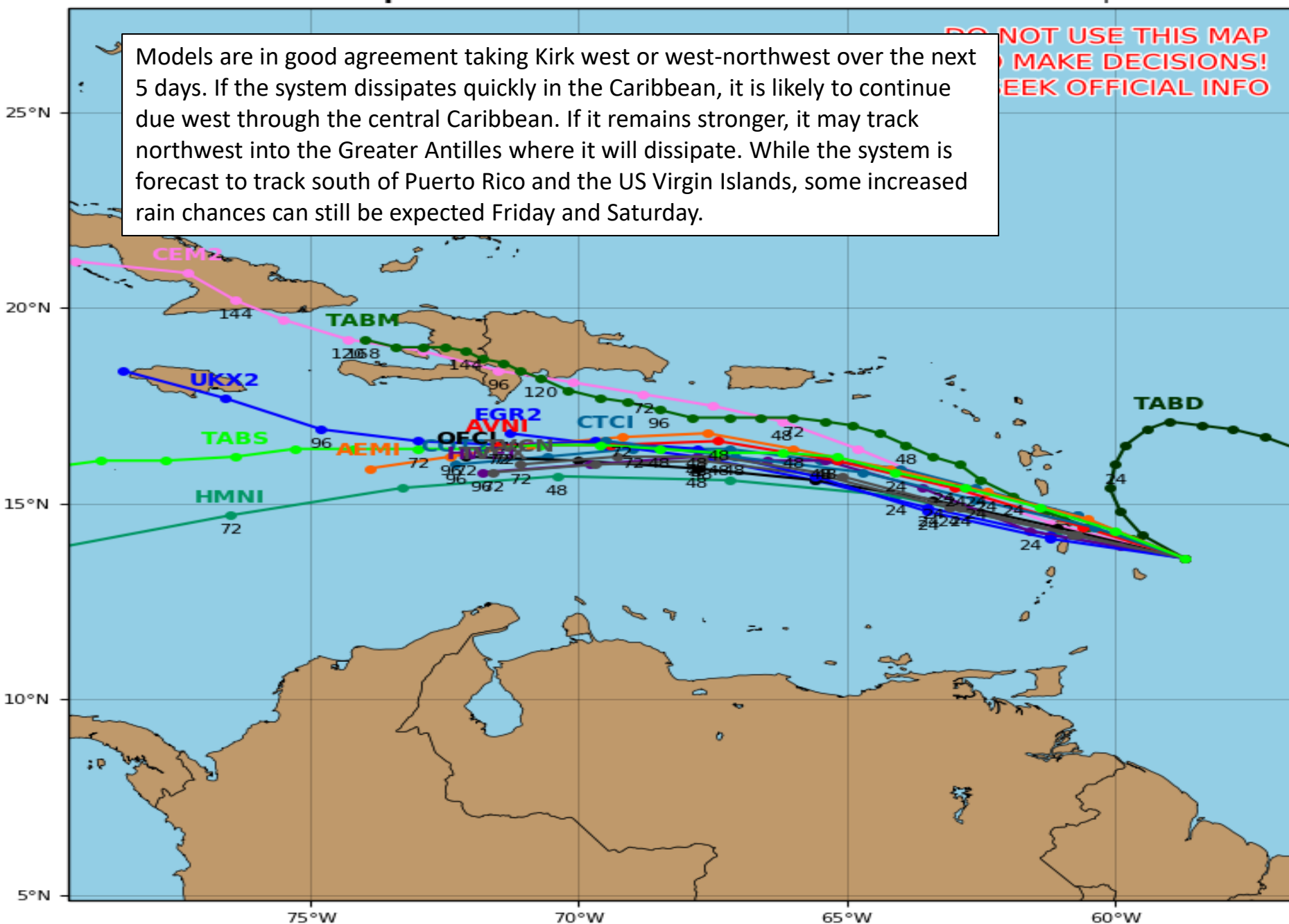
Tropical Storm KIRK Model Track Guidance

Initialized at 12z Sep 27 2018

Levi Cowan - tropicaltidbits.com

Models are in good agreement taking Kirk west or west-northwest over the next 5 days. If the system dissipates quickly in the Caribbean, it is likely to continue due west through the central Caribbean. If it remains stronger, it may track northwest into the Greater Antilles where it will dissipate. While the system is forecast to track south of Puerto Rico and the US Virgin Islands, some increased rain chances can still be expected Friday and Saturday.

**DO NOT USE THIS MAP
TO MAKE DECISIONS!
SEEK OFFICIAL INFO**



Initialized at 12z Sep 27 2018

Wind Speed (kt)

Forecast Hour

Wind shear will dramatically increase as Kirk nears the Caribbean. All but a couple of the statistical models (which don't take into account the current state of the atmosphere) show the system dissipating within 2 to 4 days.

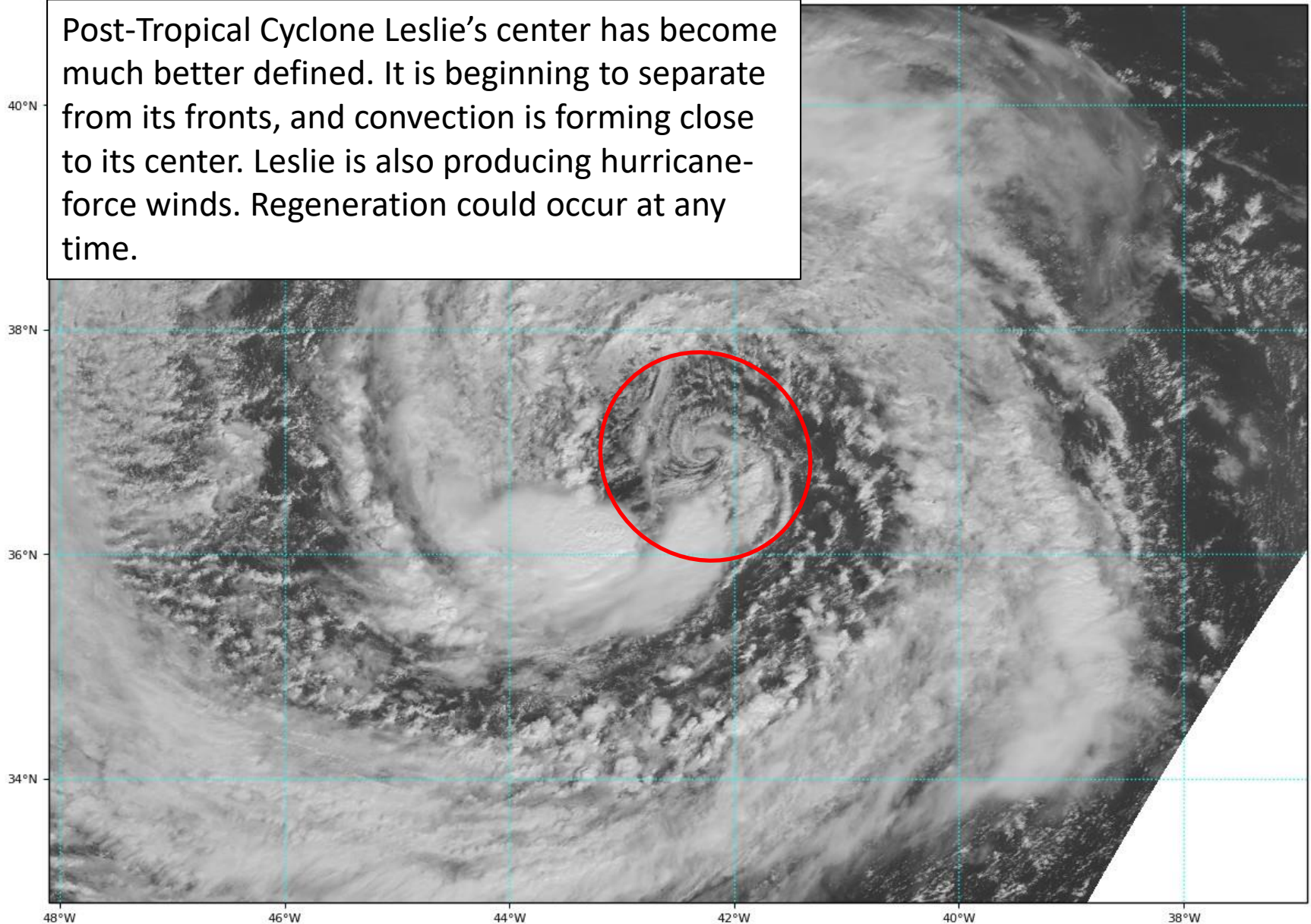
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Remnants of Leslie Satellite Image

GOES-16 Channel 2 (visible) Reflectance at 13:50Z Sep 27, 2018

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Post-Tropical Cyclone Leslie's center has become much better defined. It is beginning to separate from its fronts, and convection is forming close to its center. Leslie is also producing hurricane-force winds. Regeneration could occur at any time.





Five-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



Disturbance 1

www.hurricanes.gov

Post-Tropical Cyclone Leslie, located over the central Atlantic Ocean several hundred miles west of the Azores, remains a powerful non-tropical low with hurricane-force winds. The associated shower activity is gradually become more organized, and Leslie is expected to again become a subtropical storm, or possibly a tropical storm later today or Friday while it moves west-southwestward at about 10 mph.

* Formation chance through 48 hours...**high**...90 percent.

* Formation chance through 5 days...**high**...90 percent.

8:00 am EDT
Thu Sep 27 2018

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

45N

35N

25N

15N

5N

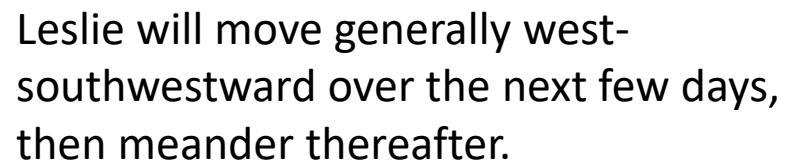
Current Disturbances and Five-Day Cyclone Formation Chance: < 40% 40-60% > 60%

Tropical or Sub-Tropical Cyclone: Depression Storm Hurricane

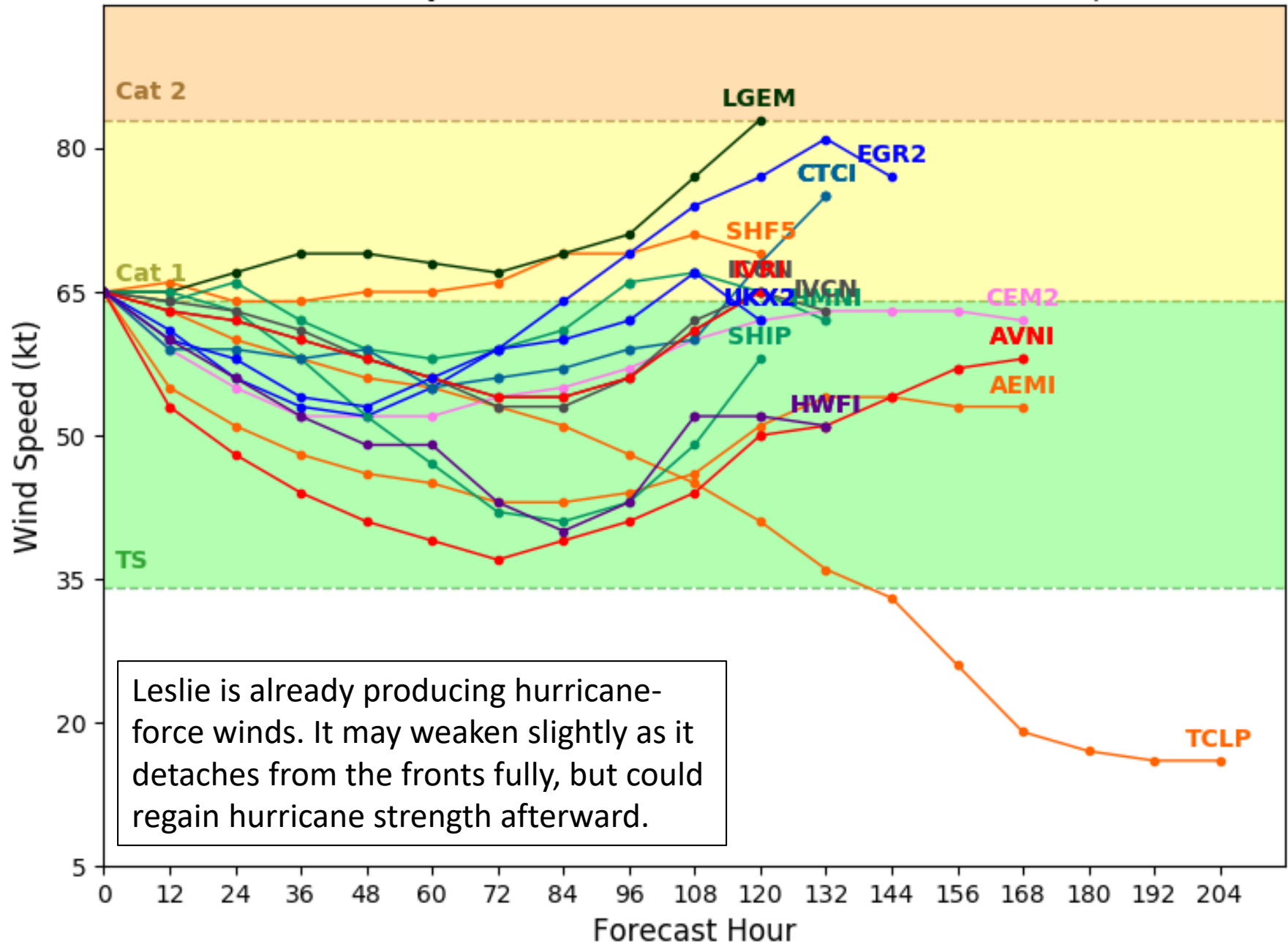
Post-Tropical Cyclone or Remnants

Initialized at 12z Sep 27 2018

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Summary

Tropical Storm Kirk:

- At 11 AM EDT Thursday, Tropical Storm Kirk was located about 45 miles north-northeast of Barbados with maximum sustained winds of 50 mph.
- Kirk is moving quickly to the west-northwest at 15 mph and this motion with a decrease in forward speed is expected over the next several days.
- Tropical storm watches and warnings are in effect for parts of the Lesser Antilles.
- Wind shear will become hostile in the Caribbean and rapid weakening of the system is expected once it moves through the Lesser Antilles.
- While the system is forecast to track south of Puerto Rico and the U.S. Virgin Islands, increased rain chances can be expected Friday and Saturday. Odds of seeing tropical storm force winds are very low: 5% or less at this time.
- A stronger system may track more west-northwest into Hispaniola where it will dissipate. If the system dissipates faster, the remnants are likely to track due west into the central and western Caribbean.

Remnants of Leslie:

- The remnants of Leslie were located several hundred miles west of the Azores.
- The remnants of Leslie will meander across the central Atlantic for the next several days and may re-acquire subtropical or tropical characteristics at any time over the next day or so. The National Hurricane Center gives the remnants of Leslie a 90% (high) chance of formation.
- This system poses no threat to the Caribbean or U.S.

Florida Outlook:

- No impacts to Florida are expected at this time from either of these systems, but Tropical Storm Kirk should be monitored.

The next tropics packet will be sent out late Friday 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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State Meteorological Support Unit

Florida Division of Emergency
Management

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