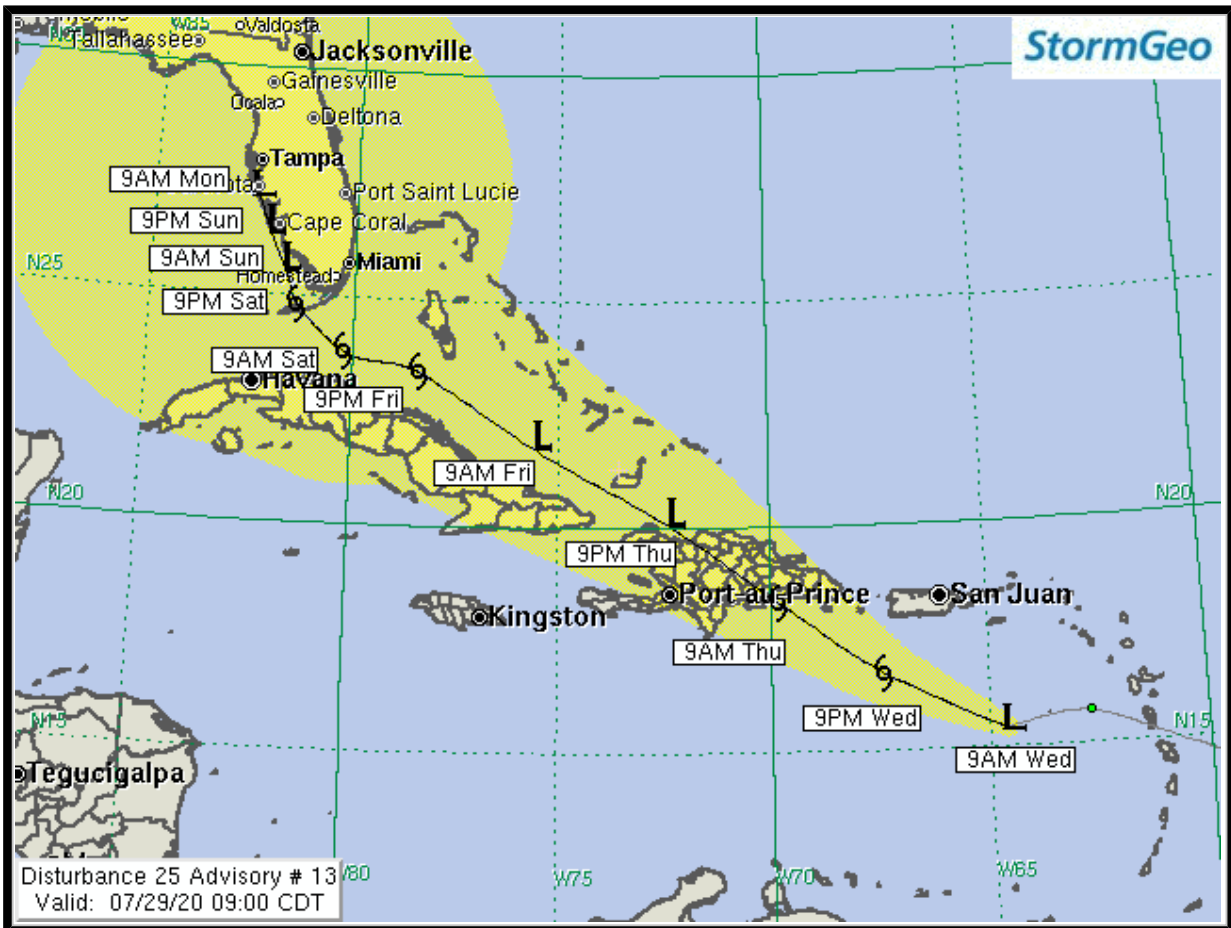


**From:** [StormGeo](#)  
**To:** [Lindsey Falconer](#)  
**Subject:** Disturbance 25 Advisory 13  
**Date:** Wednesday, July 29, 2020 8:46:31 AM



## Disturbance 25 Advisory 13

Valid: 09:00 AM CDT Wednesday July 29, 2020



**Current Location:** 15.4N, 64.6W

**Geographic Reference:** 235 Miles SE of San Juan, PR

**Movement:** West-northwest at 13 mph

**Max Winds:** 35 mph gusting to 45 mph

**Current Hurricane Severity Index:** 1 out of a possible 50 points (0 size, 1 intensity)

**Max Predicted Hurricane Severity Index:** 3 out of a possible 50 points (1 size, 2 intensity)

**Current Radius of Tropical Storm-Force Winds:** 0 miles

**Max Predicted Radius of Tropical Storm-Force Winds:** 160 miles

**Organizational Trend:** Slowly Becoming Better-Organized

**Forecast Confidence:** Low  
**Estimated Central Pressure:** 1008 mb

**Development Chances:** 90 Percent

### **Key Points**

1. Tropical storm conditions with heavy rainfall can be expected across the islands of the northeast Caribbean today and tonight.
2. Confidence in the track and intensity forecast beyond the next 48 hours remains very low.

### **Our Forecast**

**Note:** Disturbance 25 is identified as Potential Tropical Cyclone Nine by the National Hurricane Center, based on their latest advisory. We will continue referring to it as Disturbance 25 until it is officially upgraded to either a depression or a tropical storm.

The center of Disturbance 25 has been difficult to locate overnight. We estimate that the center may be a little south of overnight estimates. A reconnaissance plane will be arriving in the disturbance shortly to identify where a circulation center may be forming. As of this advisory, the plane has been unable to find a well-defined low-level circulation center, indicating that it is still likely a tropical wave. Max winds found by the plane are near 35 mph.

On satellite, the area of squalls is a good bit smaller than it was yesterday, an indication that the disturbance is gradually consolidating on its way to becoming a tropical storm today. Overnight model guidance indicates a track south of our previous forecast. This track would take the center across the very rugged terrain of the Dominican Republic on Thursday. There is considerable uncertainty as to what will emerge off the north coast of the Dominican Republic. We do not think it will still be a tropical storm, but the question is whether or not it will lose its circulation over the mountains.

We think that it will weaken to a depression after crossing the Dominican Republic. Depending upon the status of its circulation after crossing the Dominican Republic, there is a chance that it could regain tropical storm strength north of Cuba on Friday. However, there may be just as good of a chance that it weakens to a tropical wave. In addition, the system may be battling with wind shear and dry air as it tracks north of Cuba. Both could hinder redevelopment. Our forecast takes the system back to tropical storm strength prior to reaching south Florida, but that is a very low confidence forecast.

The final question involves what happens to the system as it reaches Florida. Model guidance is indicating that wind shear and dry air across Florida and the eastern Gulf may lead to gradual weakening and dissipation. We think that dissipation is the most likely solution, though it is possible that it could remain a tropical depression or a weak tropical storm that eventually moves northward into the Florida Panhandle next Tuesday or Wednesday.

### **Expected Impacts on Land**

**Northern Windward and Leeward Islands to Puerto Rico:** Isolated power outages will be possible, along with flash flooding and mudslides.

Our next advisory will be issued by 4 PM EDT / AST.

Meteorologist: Chris Hebert

Forecast Confidence: Low							Hurricane Severity Index		
Fcst Hour	Valid	Lat.	Lon.	Max Sustained Winds	Max Gusts	Category	Size	Intensity	Total
0	9AM CDT Wed Jul 29	15.40N	64.60W	35 mph	45 mph	Tropical Disturbance	0	1	1
12	9PM CDT Wed Jul 29	16.70N	67.40W	40 mph	50 mph	Tropical Storm	1	1	2
24	9AM CDT Thu Jul 30	18.30N	69.80W	50 mph	65 mph	Tropical Storm	1	2	3
36	9PM CDT Thu Jul 30	20.00N	72.30W	35 mph	45 mph	Tropical Depression	0	1	1
48	9AM CDT Fri Jul 31	21.70N	75.50W	35 mph	45 mph	Tropical Depression	0	1	1
60	9PM CDT Fri Jul 31	23.40N	78.40W	40 mph	50 mph	Tropical Storm	1	1	2
72	9AM CDT Sat Aug 01	23.80N	80.20W	40 mph	50 mph	Tropical Storm	1	1	2
84	9PM CDT Sat Aug 01	24.80N	81.40W	40 mph	50 mph	Tropical Storm	1	1	2
96	9AM CDT Sun Aug 02	25.50N	81.70W	35 mph	45 mph	Tropical Depression	0	1	1
108	9PM CDT Sun Aug 02	26.30N	82.10W	30 mph	40 mph	Tropical Depression	0	0	0
120	9AM CDT Mon Aug 03	27.20N	82.50W	30 mph	40 mph	Remnant Low	0	0	0

*The yellow cone represents track error from the previous five years. Over the past five tropical cyclone seasons, the center of the storm tracked within the yellow cone 75% of the time. The cone does not represent the forecast uncertainty in the current advisory for this storm. In addition, strong winds, very high tides, large waves, and heavy rainfall can often extend well outside the yellow cone.*

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