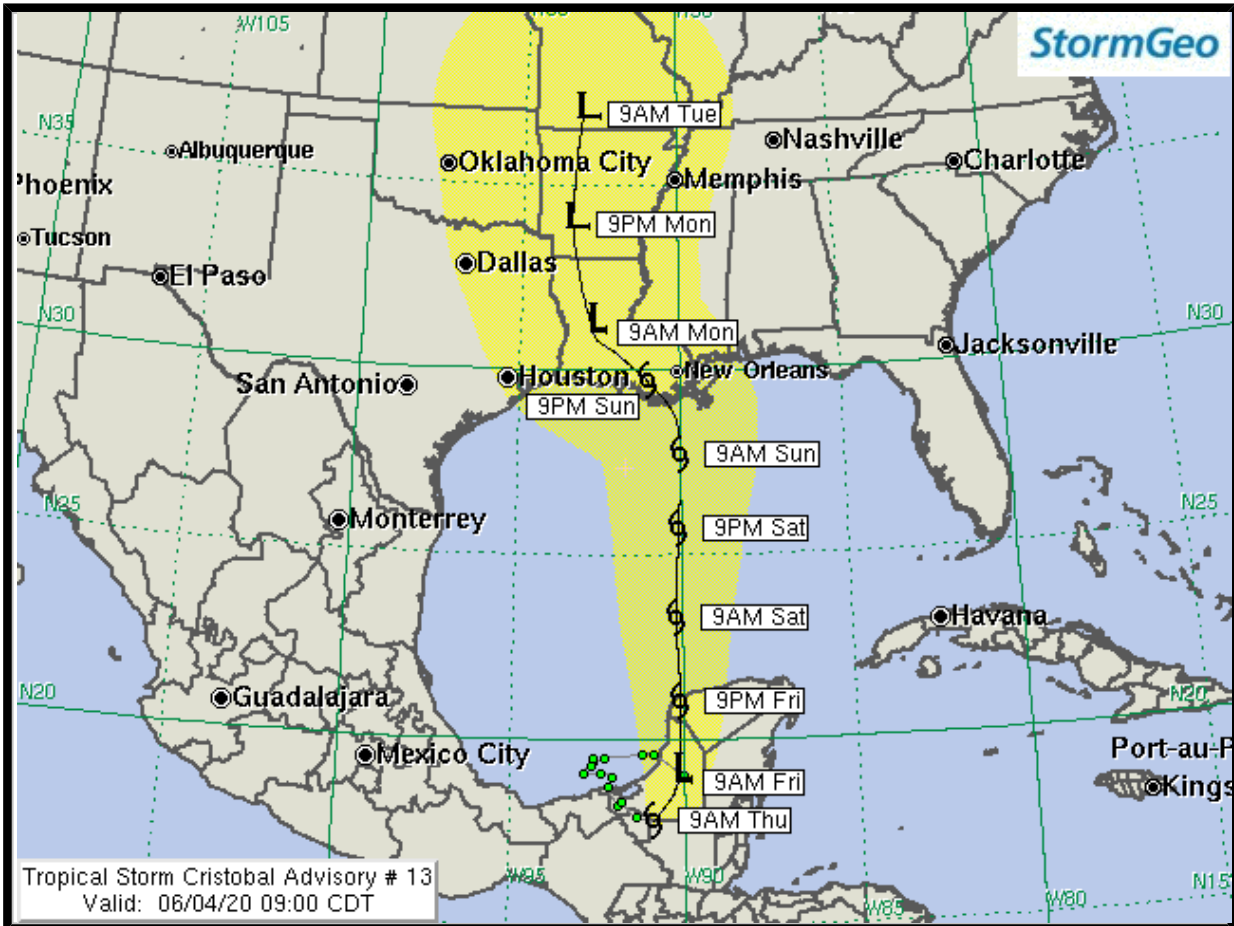


From: [StormGeo](#)
To: [Lindsey Falconer](#)
Subject: Tropical Storm Cristobal Advisory 13
Date: Thursday, June 4, 2020 8:42:24 AM



Tropical Storm Cristobal Advisory 13

Valid: 09:00 AM CDT Thursday June 04, 2020



Current Location: 17.8N, 90.9W

Geographic Reference: 90 Miles SSE of Ciudad del Carmen, MX

Movement: North-northeast at 3 mph

Max Winds: 40 mph gusting to 45 mph

Current Hurricane Severity Index: 2 out of a possible 50 points (1 size, 1 intensity)

Max Predicted Hurricane Severity Index: 6 out of a possible 50 points (3 size, 3 intensity)

Current Radius of Tropical Storm-Force Winds: 40 miles

Max Predicted Radius of Tropical Storm-Force Winds: 185 miles

Organizational Trend: Weakening Over Land

Forecast Confidence: Average
Estimated Central Pressure: 1002 mb

Key Points

1. Additional severe flooding is expected for southern Mexico and Central America.
2. The last full day of good flying weather in the Louisiana deepwater blocks will be Friday.

Our Forecast

Cristobal remains on-track this morning as it drifts slowly southeastward across southern Mexico. Officially, Cristobal is still being classified as a tropical storm, though we expect the NHC to downgrade Cristobal to a tropical depression shortly. Cristobal should remain inland over Mexico until Friday afternoon or evening, when the center emerges off the northwest tip of the Yucatan Peninsula. Once back over water, Cristobal will gradually strengthen to a tropical storm as it accelerates northward, while growing significantly in size. Its large, open structure will prevent Cristobal from strengthening rapidly as it crosses the Gulf on Saturday and Sunday. However, the large size of its tropical storm force winds will mean high tides for a large part of the northern Gulf Coast, particularly east of the point of landfall.

We have nudged the landfall point a little eastward in this advisory, but don't focus too much on the center at landfall. Strongest winds may be well north and east of the center.

Expected Impacts on Land

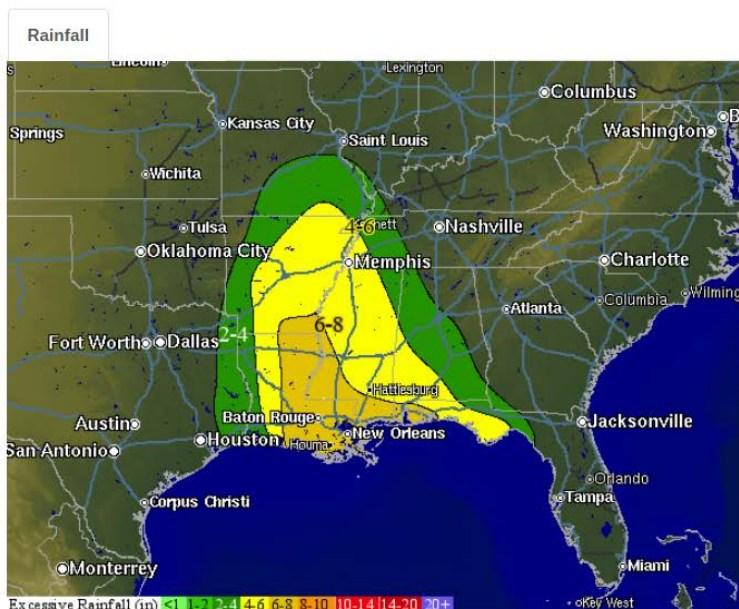
Southern Mexico and Central America: Continued flash flooding and mudslides should cause widespread major flood damage.

Expected Impacts Offshore

Northwest Gulf of Mexico : Squalls offshore are expected to reach the deepwater areas off the Louisiana coast before sunrise on Saturday, meaning the last full day for any helicopter evacuations will be Friday. There is no guarantee of good flying weather on Saturday morning, even in the Louisiana near-shore waters.

The next advisory will be issued by 3 PM CDT.

Meteorologist: Chris Hebert



Potential Rainfall Northern Gulf Coast From Cristobal

Tropical Storm Cristobal is predicted to move into the northern Gulf Coast Sunday evening as a moderate tropical storm. At this time, it is difficult to ascertain the precise structure of Cristobal at landfall, and the exact point of landfall is uncertain. Assuming Cristobal follows our current forecast, then heaviest rain will fall east of the point of landfall, across Louisiana and Mississippi. We are estimating general rainfall amounts of 6-8 inches near the point of landfall and up to 150 miles east of the point of landfall, as Cristobal may have a large area of squalls.

As we become more confident in Cristobal's structure and point of landfall over the next several days, we will be refining the rainfall forecast.

Meteorologists: Derek Ort / Chris Hebert

Forecast Confidence: Average							Hurricane Severity Index		
Fcst Hour	Valid	Lat.	Lon.	Max Sustained Winds	Max Gusts	Category	Size	Intensity	Total
0	9AM CDT Thu Jun 04	17.80N	90.90W	40 mph	45 mph	Tropical Storm	1	1	2
24	9AM CDT Fri Jun 05	18.80N	90.20W	35 mph	45 mph	Tropical Depression	0	1	1
36	9PM CDT Fri Jun 05	21.00N	90.10W	40 mph	50 mph	Tropical Storm	1	1	2
48	9AM CDT Sat Jun 06	23.30N	90.20W	45 mph	60 mph	Tropical Storm	1	2	3
60	9PM CDT Sat Jun 06	25.70N	90.10W	50 mph	70 mph	Tropical Storm	2	2	4
72	9AM CDT Sun Jun 07	27.70N	90.00W	60 mph	75 mph	Tropical Storm	3	3	6
78	3PM CDT Sun Jun 07	28.80N	90.20W	60 mph	75 mph	Tropical Storm	3	3	6
84	9PM CDT Sun Jun 07	29.70N	91.00W	50 mph	70 mph	Tropical Storm	2	2	4
90	3AM CDT Mon Jun 08	30.40N	91.90W	40 mph	50 mph	Tropical Storm	1	1	2
96	9AM CDT Mon Jun 08	31.00N	92.70W	35 mph	45 mph	Tropical Depression	0	1	1
108	9PM CDT Mon Jun 08	33.90N	93.40W	35 mph	45 mph	Remnant Low	0	1	1
120	9AM CDT Tue Jun 09	36.90N	93.10W	30 mph	35 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.