eVENT
Hurricane Tracking Advisory

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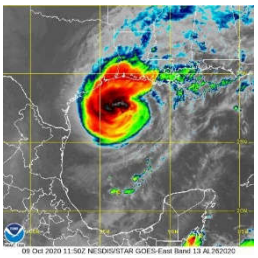
Hurricane Delta



Information from NHC Advisory 19A, 7:00 AM CDT Fri Oct 9, 2020

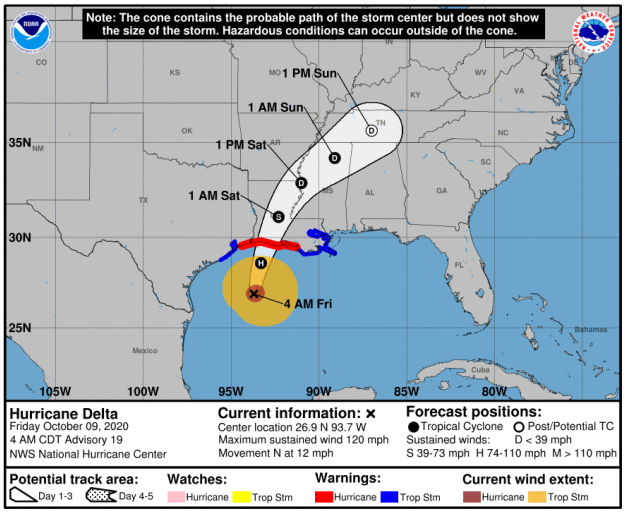
On the forecast track, the center of Delta will move inland within the hurricane warning area this evening. Maximum sustained winds are near 120 mph (195 km/h) with higher gusts. Delta is a category 3 hurricane on the Saffir-Simpson Hurricane Wind Scale. Slow weakening is expected to begin as Delta approaches the northern Gulf coast later today, with rapid weakening expected after the center moves inland.

Intensity Measures		Position & Heading		U.S. Landfall (NHC)	
Max Sustained Wind Speed:	120 mph (category 3)	Position Relative to Land:	160 mi S of Cameron Louisiana	Est. Time & Region:	Later today on Louisiana
Min Central Pressure:	958 mb	Coordinates:	27.5 N, 93.8 W		
Trop. Storm Force Winds Extent:	160 mi	Bearing/Speed:	N or 350 degrees at 12 mph	Est. Max Sustained Wind Speed:	110 mph (category 2)

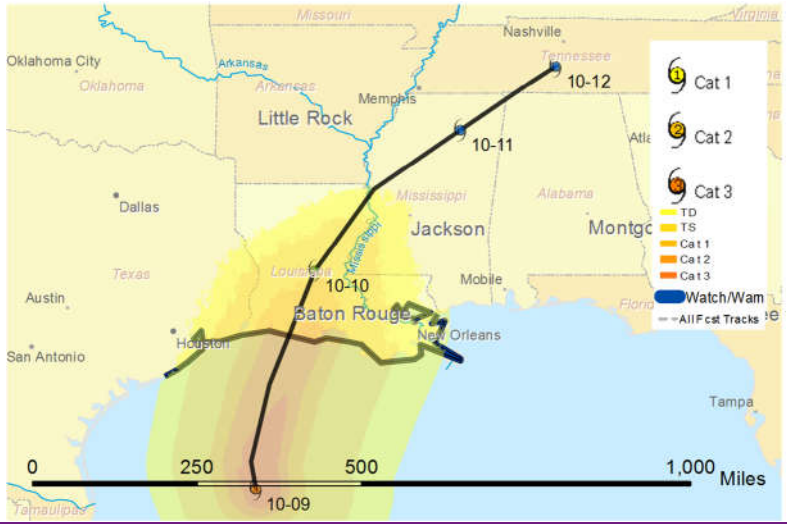
Forecast Summary

- Storm surge flooding could reach the following heights above ground somewhere in the indicated areas if the peak surge occurs at the time of high tide: 7-11 ft from Rockefeller Wildlife Refuge, LA to Port Fourchon, LA including Vermilion Bay; 4-7 ft from Holly Beach, LA to Rockefeller Wildlife Refuge, LA; 4-6 ft from Port Fourchon, LA to the Mouth of the Mississippi River; 3-5 ft from Sabine Pass to Holly Beach, LA; 3-5 ft on Calcasieu Lake; 2-4 ft from High Island, TX to Sabine Pass; 2-4 ft from Mouth of the Mississippi River to Ocean Springs, MS; 2-4 ft on Lake Borgne, Lake Pontchartrain, and Lake Maurepas; 1-3 ft from Ocean Springs, MS to the AL/FL border including Mobile Bay; 1-3 ft on Sabine Lake; 1-3 ft from Port O'Connor, TX to High Island, TX including Galveston Bay. Swells from Delta will begin to affect portions of the northern and western Gulf coast later today. These swells are likely to cause life-threatening surf and rip current conditions.
- Hurricane conditions are expected within the hurricane warning area by Friday afternoon or evening, with tropical storm conditions expected within this area by early Friday. Tropical storm conditions are expected within the tropical storm warning areas on Friday, and are possible in the tropical storm watch area Friday night. A few tornadoes are possible late tonight through Friday over southern parts of Louisiana and Mississippi.
- Friday through Saturday, Delta is expected to produce 5 to 10 inches of rain, with isolated maximum totals of 15 inches, from southwest into south-central Louisiana. These rainfall amounts will lead to significant flash, urban, small stream flooding, along with minor to isolated moderate river flooding. For extreme east Texas into northern Louisiana, southern Arkansas and western Mississippi, Delta is expected to produce 3 to 6 inches of rain, with isolated maximum totals of 10 inches. These rainfall amounts will lead to flash, urban, small stream and isolated minor river flooding. As Delta moves farther inland, 1 to 3 inches of rain, with locally higher amounts, are expected in the Ohio Valley and Mid Atlantic this weekend.

Forecast Track for Hurricane Delta



Forecast Wind-field for Hurricane Delta



Hazard and damage potential maps produced by Willis are based on numerical modeling results from Kinetic Analysis Corporation.

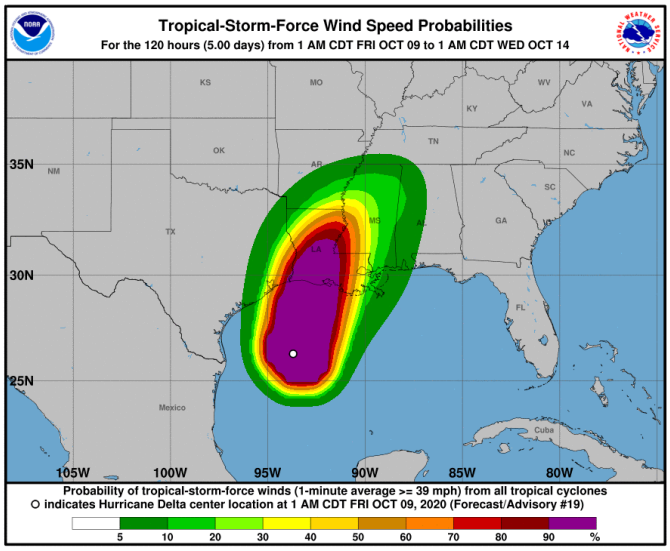
KINETIC ANALYSIS CORPORATION

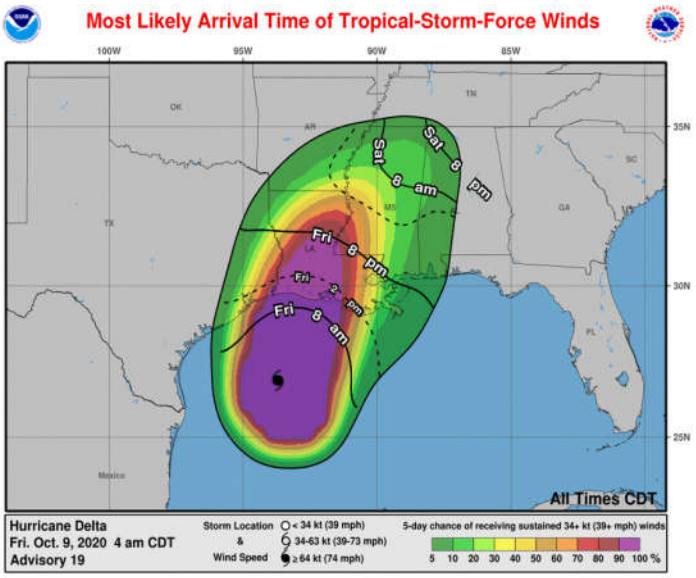
Coastal Watches and Warnings

A **Storm Surge Warning** – meaning there is a danger of life-threatening inundation during the next 36 hours - is in effect for: High Island Texas to Mouth of the Pearl River Louisiana including Calcasieu Lake, Vermilion Bay, and Lake Borgne. A **Hurricane Warning** – meaning that hurricane conditions are expected somewhere within the warning area within 36 hours - is in effect for High Island Texas to Morgan City Louisiana. A **Tropical Storm Warning** – meaning that tropical storm conditions are expected somewhere within the warning area - is in effect for: West of High Island to Sargent Texas, East of Morgan City Louisiana to the mouth of the Pearl River, including New Orleans, Lake Pontchartrain and Lake Maurepas.

Wind Speed Probabilities and Most Likely Arrival Time of Tropical Storm Force Winds

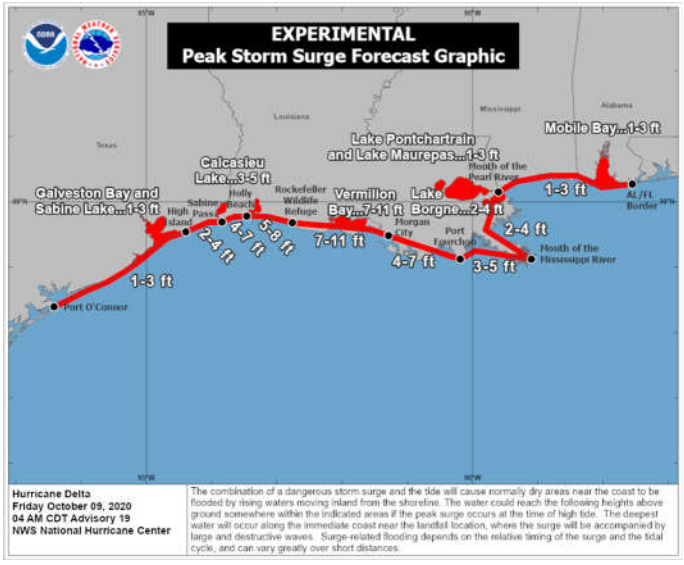
The graphic at lower left shows Tropical-Storm-Force **Wind Speed Probabilities** through 1 AM CDT Wed October 14. It shows probabilities of sustained (1-minute average) surface wind speeds equal to or exceeding 34 kt (39 mph). These wind speed probabilities are based on the official National Hurricane Center (NHC) track, intensity, and wind radii forecasts, and on NHC forecast error statistics for those forecast variables during recent years. The graphic at lower right shows the **Most-Likely Arrival Time of Tropical Storm Force Winds** - the time before or after which the onset of tropical-storm-force winds is equally likely.

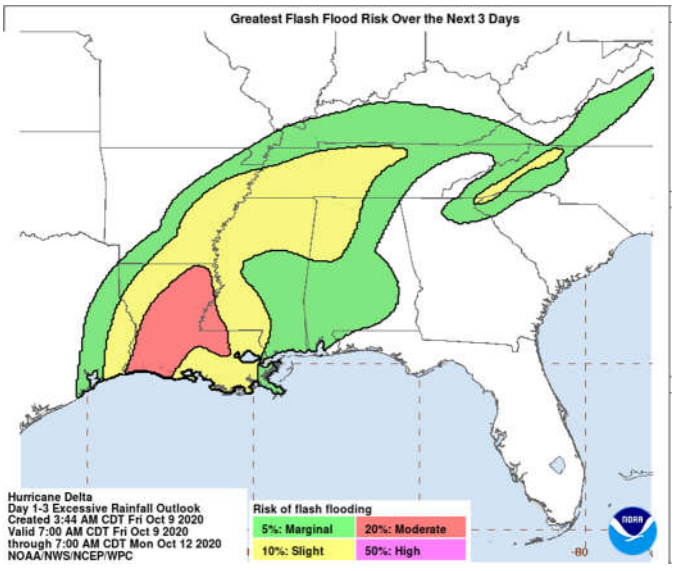




Peak Storm Surge and Flash Flooding Potential

The graphic at lower left shows the forecast storm surge inundation, representing the peak height the water could reach above normally dry ground somewhere within the specified areas. The graphic at lower right shows Hurricane Delta's day 1-3 excessive rainfall outlook through 7 AM CDT Mon October 12.





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