

Current Watches and Warnings

A **Hurricane Warning** is in effect from High Island, Texas (TX) to Morgan City, Louisiana (LA)

A **Storm Surge Warning** is in effect from High Island, TX to the mouth of the Pearl River, including Calcasieu Lake, Vermilion Bay, and Lake Borgne

A **Tropical Storm Warning** is in effect from west of High Island to Sargent, TX; east of Morgan City, LA to the mouth of the pearl River, including New Orleans; Lake Pontchartrain and Lake Maurepas

Current Details from the National Hurricane Center (NHC)

COORDINATES: 28.0° north, 93.8° west

LOCATION: 130 miles (205 kilometers) south-southwest of Cameron, Louisiana

MOVEMENT: north at 13 mph (20 kph)

WINDS: 115 mph (185 kph) with gusts to 140 mph (220 kph)

RADIUS OF TROPICAL STORM-FORCE WINDS: 160 miles (260 kilometers)

RADIUS OF HURRICANE-FORCE WINDS: 40 miles (65 kilometers)

MINIMUM CENTRAL PRESSURE: 962 millibars

SAFFIR-SIMPSON SCALE RANKING*: Category 3

2nd FORECAST LANDFALL TIMEFRAME: Friday afternoon or evening local time

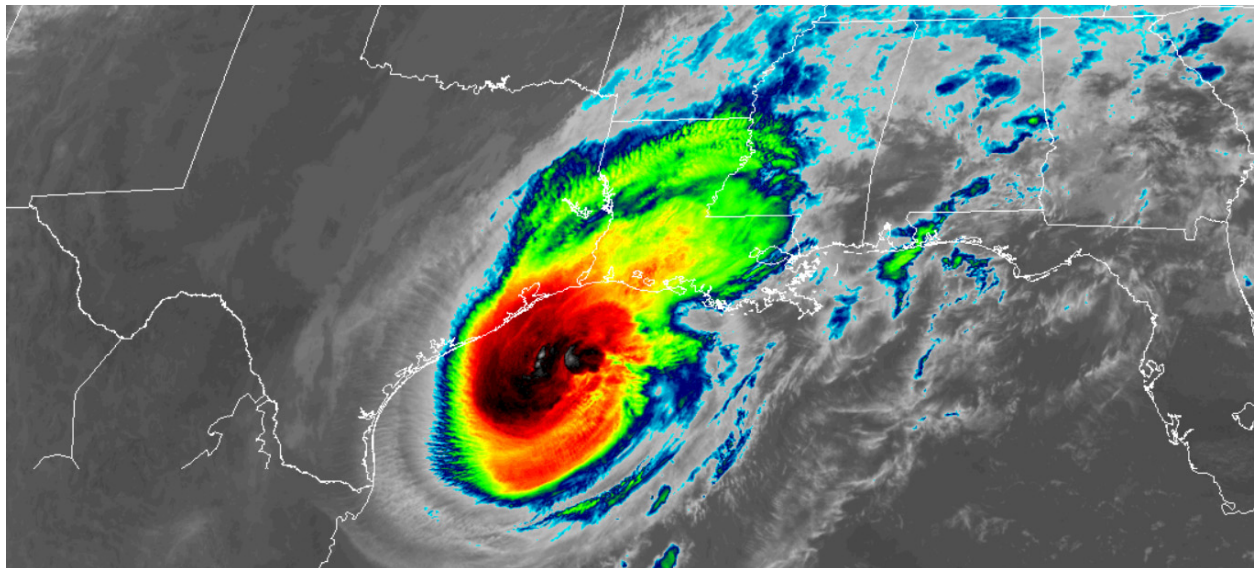
2nd FORECAST LANDFALL LOCATION: United States (southwest Louisiana)

1st LANDFALL LOCATION: Mexico's Yucatan Peninsula; near Puerto Morelos (just south of Cancun)

1st LANDFALL TIMEFRAME: approximately 5:30 AM local time Wednesday (10:30 UTC)

1st LANDFALL INTENSITY: 110 mph (175 kph) – Category 2

Latest Satellite Picture



Source: NOAA / NASA / Colorado State University (RAAMB)

Discussion

Hurricane Delta, located approximately 130 miles (205 kilometers) south-southwest of Cameron, Louisiana, is currently tracking north at 13 mph (20 kph). Reports from NOAA and Air Force Reserve Hurricane Hunter aircraft indicate that Delta has slightly weakened since the last advisory earlier this morning. The central pressure has risen to 962 millibars, and the strongest surface-adjusted wind speeds justify the NHC setting 115 mph (185 kph) as the initial intensity.

Delta is moving northward between a ridge of high pressure located over the eastern Gulf of Mexico and a mid- to upper-level trough located across the U.S. Southern Plains. A turn toward the north-northeast is expected during the next few hours, and the center is forecast to cross the southwestern coast of Louisiana late this afternoon or this evening. Landfall is currently projected within 15 miles (25 kilometers) from where Hurricane Laura came ashore just six weeks ago. After landfall, a continued north-northeastward motion should bring the center across central and northeastern Louisiana in about 24 hours. After that time, Delta is expected to move generally northeastward through the lower Mississippi and Tennessee Valleys until it dissipates. The track forecast guidance remains tightly clustered, and the new NHC forecast track is little changed from the previous forecast.

Increasing vertical shear and decreasing oceanic heat content along the forecast track should cause Delta to continue to weaken before landfall. However, there will still be significant impacts from winds and storm surge. After landfall, rapid weakening is anticipated, with Delta expected to weaken to a tropical storm tonight and to a tropical depression by Saturday afternoon or evening. The cyclone is forecast to dissipate within three days.

Delta's landfall will mark a record tenth named storm or hurricane landfall in the United States since 1851. This will surpass the current record of nine set in 1916 and tied in 2020.

Key Messages from the National Hurricane Center

1. Life-threatening storm surge is expected near and east of where Delta makes landfall this evening, and a Storm Surge Warning is in effect from High Island, Texas, to the Mouth of the Pearl River. The highest inundation of 7 to 11 feet is expected somewhere between Rockefeller Wildlife Refuge and Morgan City, Louisiana. Water levels in this area will rise quickly this afternoon and evening as Delta approaches and efforts to protect life and property should be rushed to completion.
2. Hurricane-force winds are expected this afternoon and evening within portions of the Hurricane Warning area, especially along the coast of southwest Louisiana. Hurricane force winds will also spread inland across portions of southern Louisiana near the path of Delta's center this evening and tonight.
3. Heavy rainfall will lead to significant flash flooding and minor to major river flooding in parts of Louisiana today and Saturday. Additional flooding is expected across portions of the central Gulf Coast into the Lower Mississippi Valley.

Additional Information

STORM SURGE: The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The water could reach the following heights above ground somewhere in the indicated areas if the peak surge occurs at the time of high tide:

Rockefeller Wildlife Refuge, LA to Morgan City, LA, including Vermilion Bay: 7-11 feet

Holly Beach, LA to Rockefeller Wildlife Refuge, LA: 5-8 feet

Sabine Pass to Holly Beach, LA: 3-5 feet

Morgan City, LA to Port Fourchon, LA: 4-7 feet

Calcasieu Lake: 2-4 feet

High Island, TX to Sabine Pass: 2-4 feet

Port Fourchon, LA to the Mouth of the Pearl River: 2-4 feet

Lake Borgne: 2-4 feet

Lake Pontchartrain and Lake Maurepas: 1-3 feet

Mouth of the Pearl River, LA to the AL/FL border, including Mobile Bay: 1-3 feet

Sabine Lake: 1-3 feet

Port O'Connor, TX to High Island, TX, including Galveston Bay: 1-3 feet

It is important to note that small changes in the track, structure, or intensity of Delta could have large impacts on where the highest storm surge occurs.

The deepest water will occur along the immediate coast near and to the east of the landfall location, where the surge will be accompanied by large and dangerous waves. Surge-related flooding depends on the relative timing of the surge and the tidal cycle, and can vary greatly over short distances.

WIND: Hurricane conditions are expected within the Hurricane Warning area by this afternoon, with tropical storm conditions beginning within this area in the next few hours. Tropical storm conditions are expected within the Tropical Storm Warning areas during the next several hours.

RAINFALL: Today through Saturday, Delta is expected to produce 5 to 10 inches of rain, with isolated maximum totals of 15 inches, from southwest into central Louisiana. These rainfall amounts will lead to significant flash, urban, small stream flooding, along with minor to major river flooding.

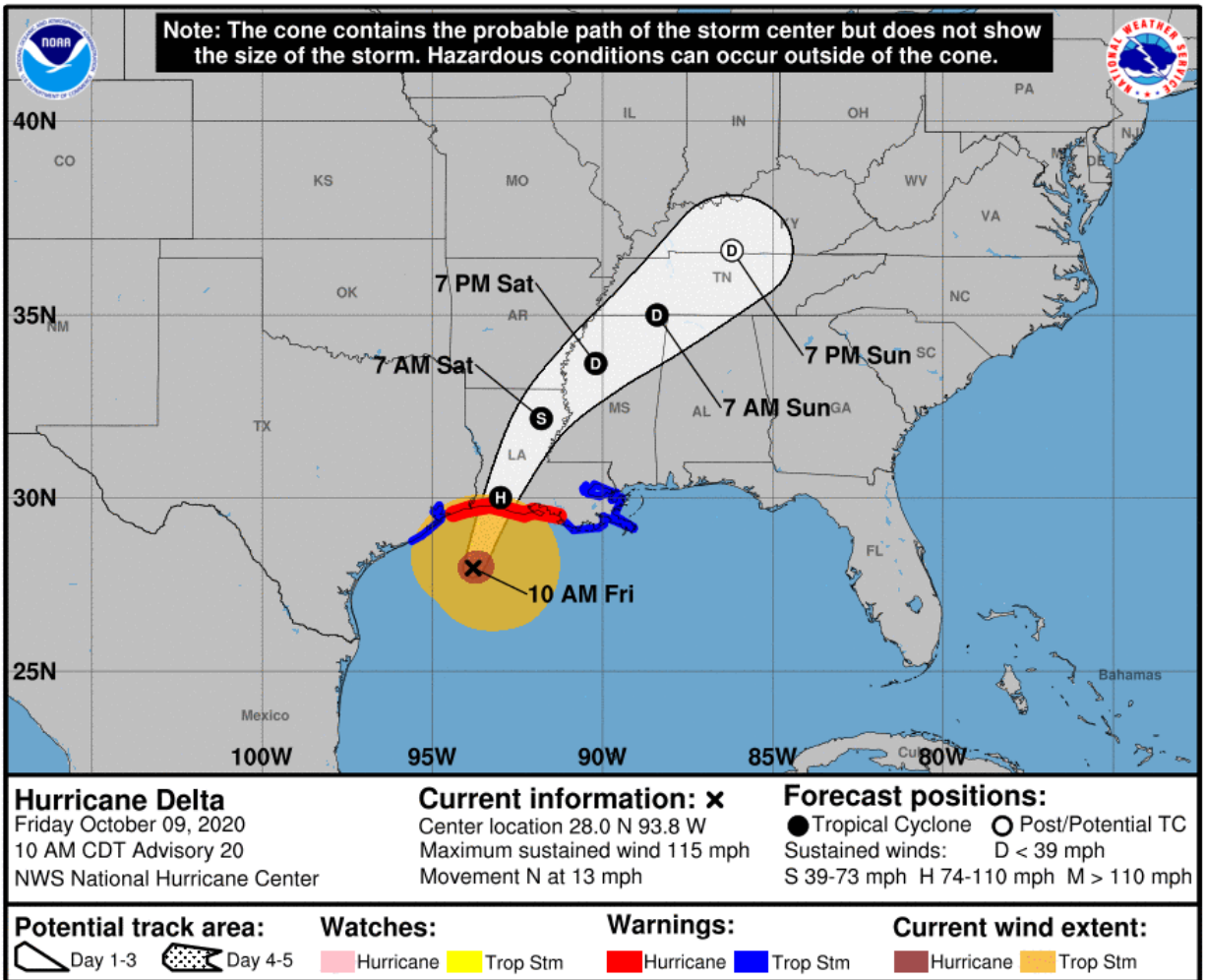
For extreme east Texas into northern Louisiana, southern Arkansas, and western Mississippi, Delta is expected to produce 3 to 6 inches of rain, with isolated maximum totals of 10 inches. These rainfall amounts will lead to flash, urban, small stream, and isolated minor river flooding.

As the remnants of Delta move further inland, 1 to 3 inches of rain, with locally higher amounts, are expected in the Tennessee Valley and Mid Atlantic this weekend. There is a potential for 3 to 6 inches in the Southern Appalachians, which could lead to isolated flash, urban, and small stream flooding.

TORNADOES: A few tornadoes are possible today and tonight over southern portions of Louisiana and Mississippi.

SURF: Swells from Delta are affecting portions of the northern and western Gulf coast. These swells are likely to cause life-threatening surf and rip current conditions.

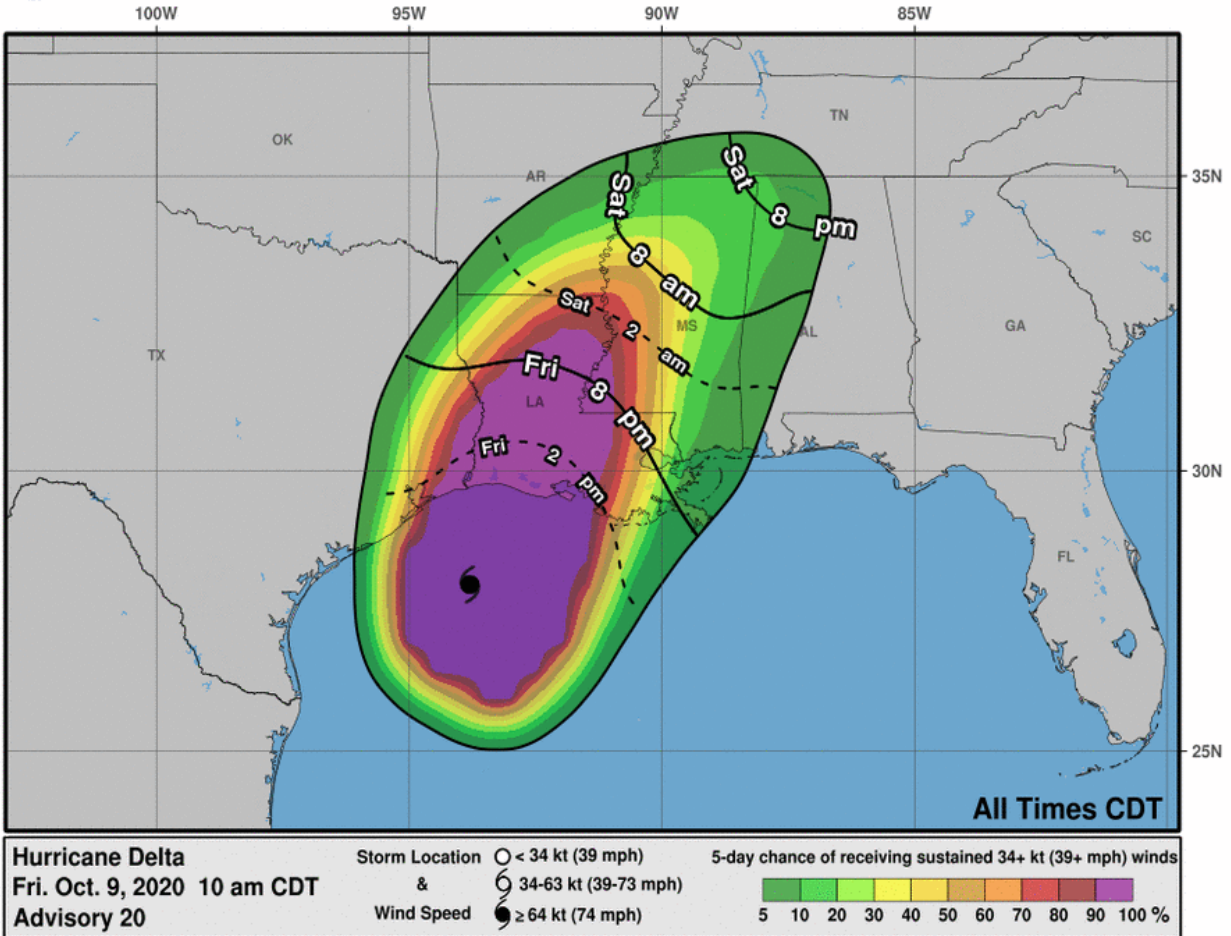
National Hurricane Center (NHC) Forecast



Most Likely Arrival Time of Tropical Storm-Force Winds

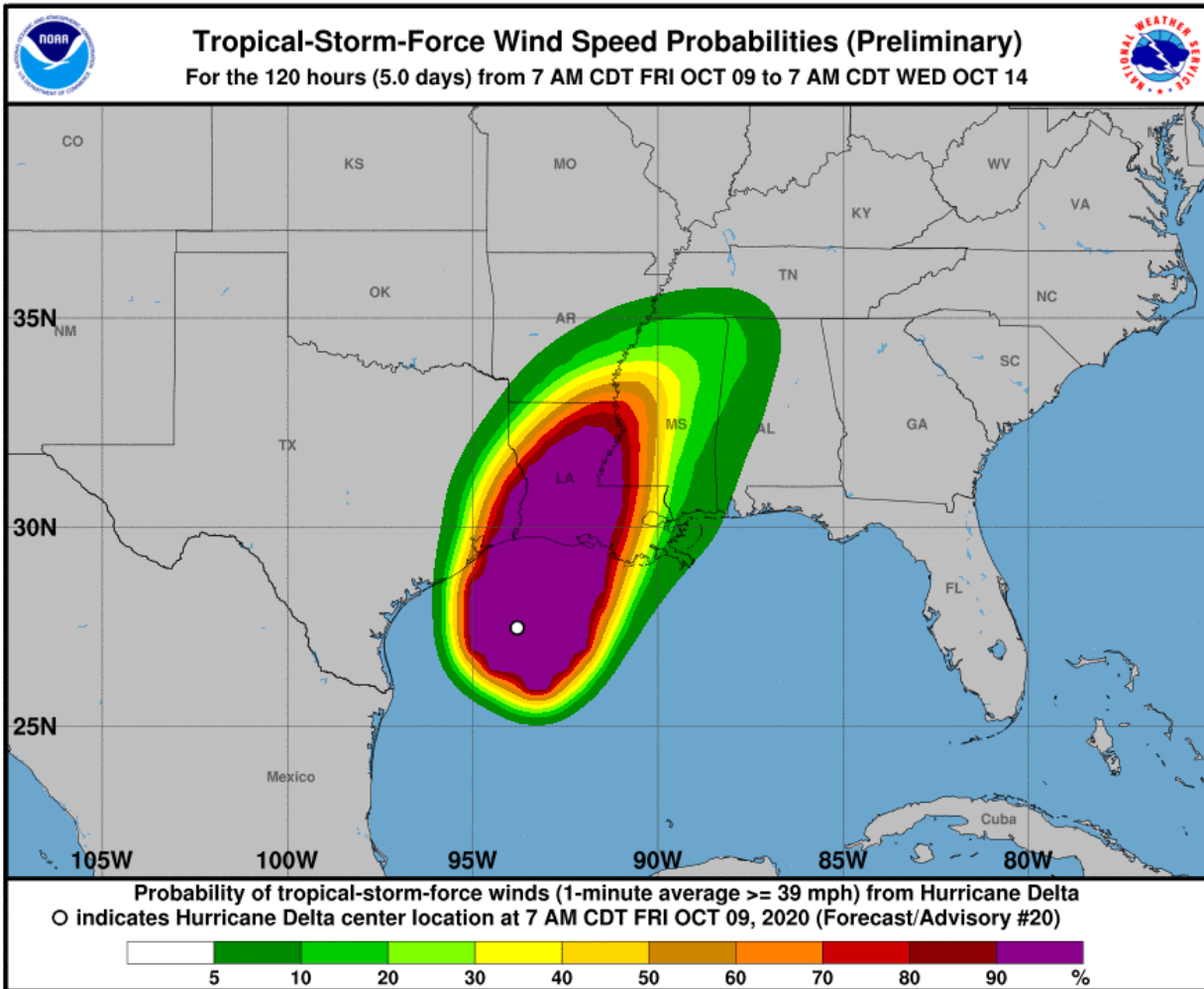


Most Likely Arrival Time of Tropical-Storm-Force Winds



National Hurricane Center: Wind Speed Probabilities

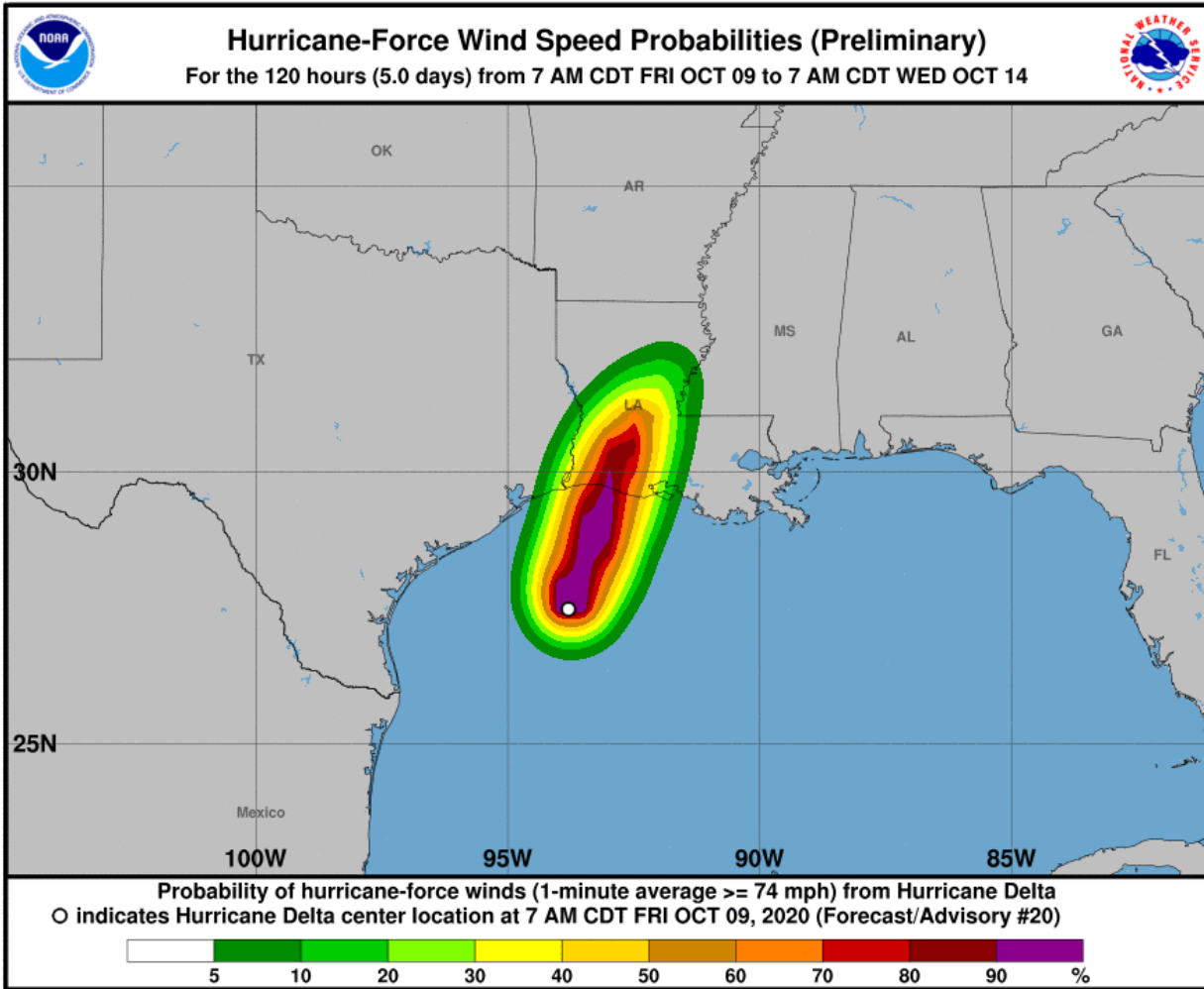
Tropical Storm-Force Wind Probabilities (≥ 40 mph (65 kph))



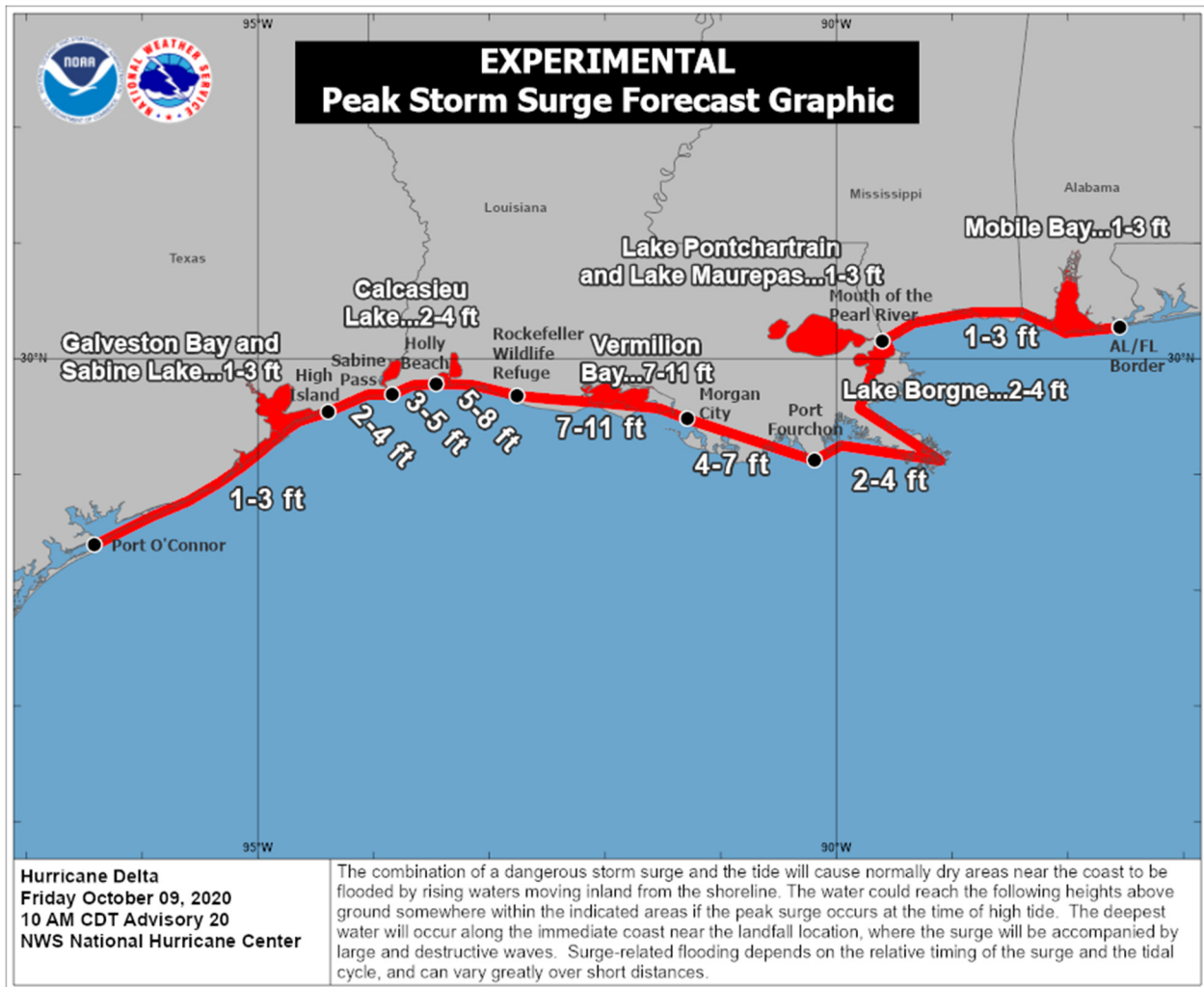
Wind Probabilities (≥ 60 mph (95 kph))



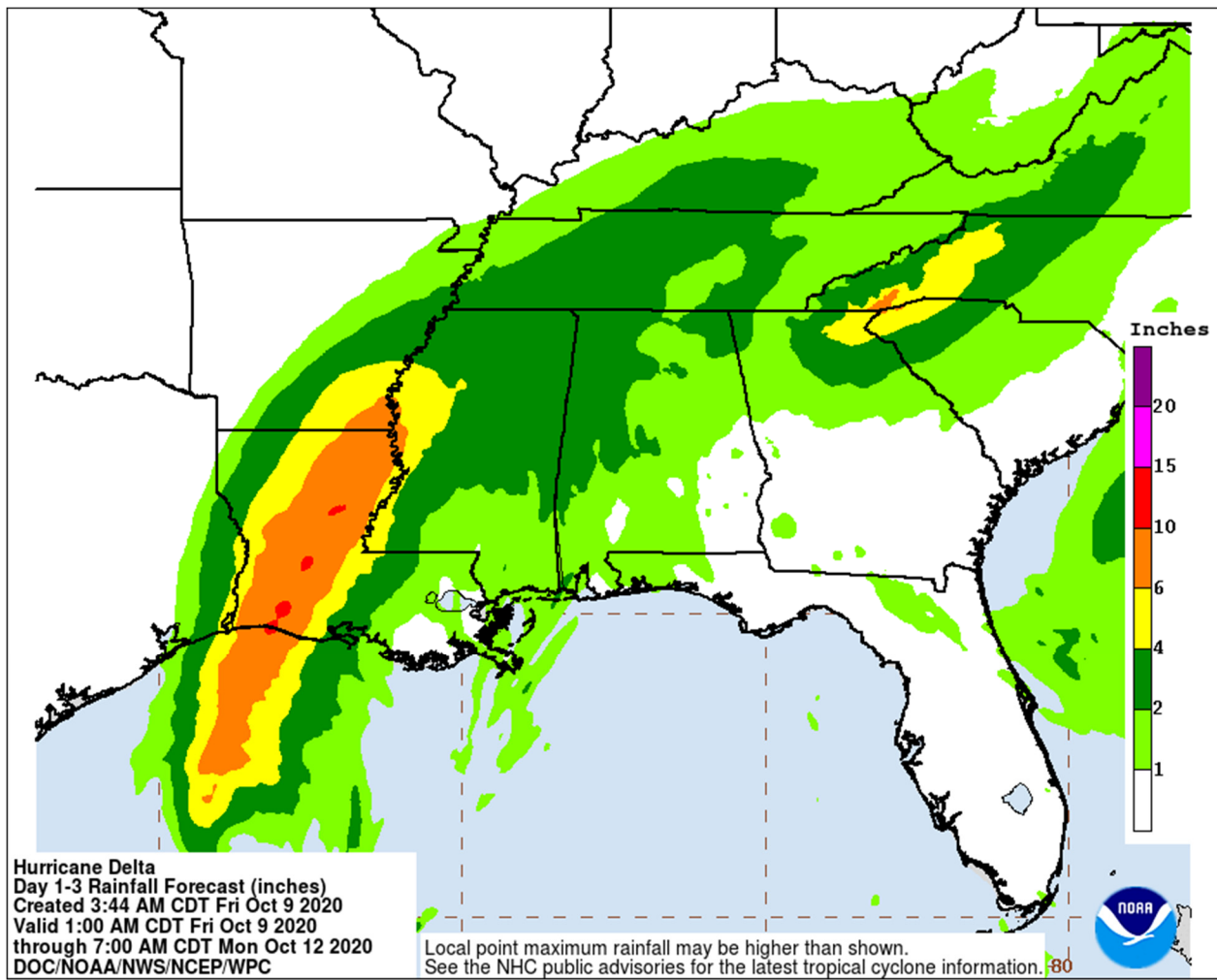
Hurricane-Force Wind Probabilities (≥ 75 mph (120 kph))



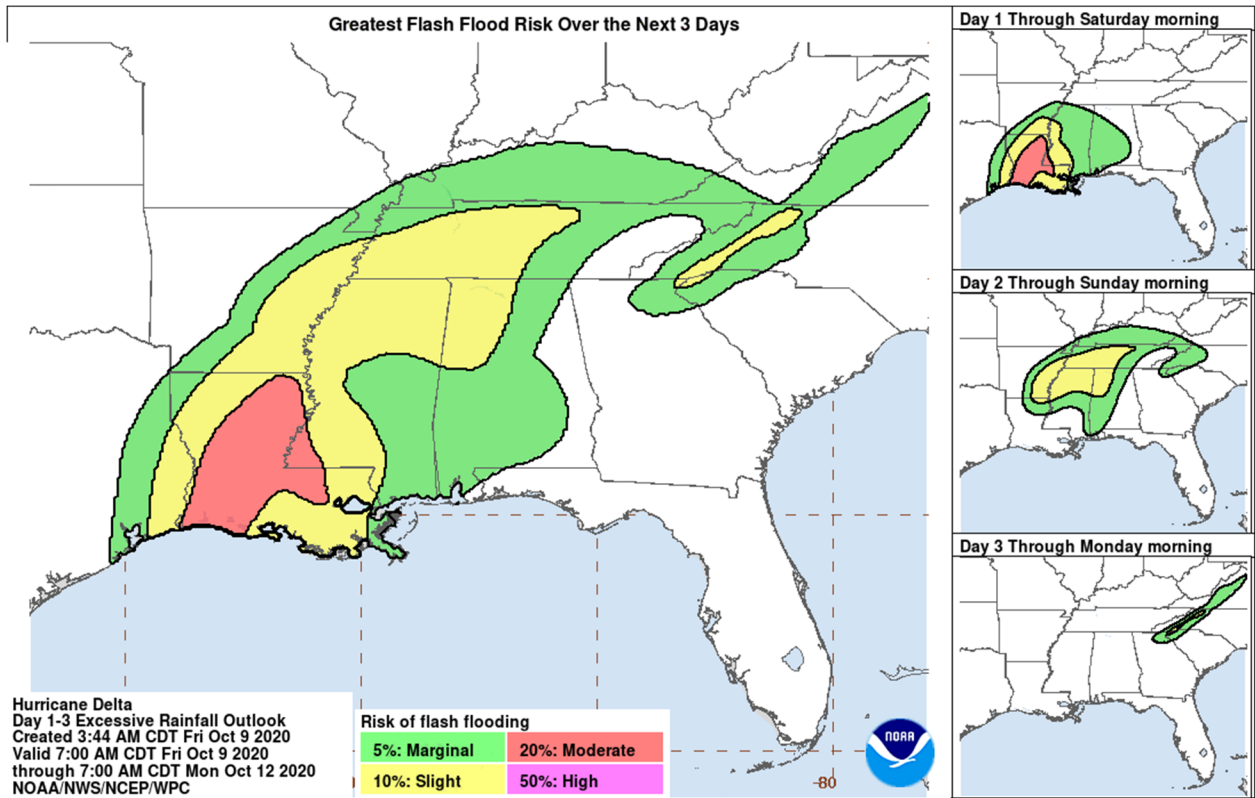
NHC: Storm Surge Inundation Graphic



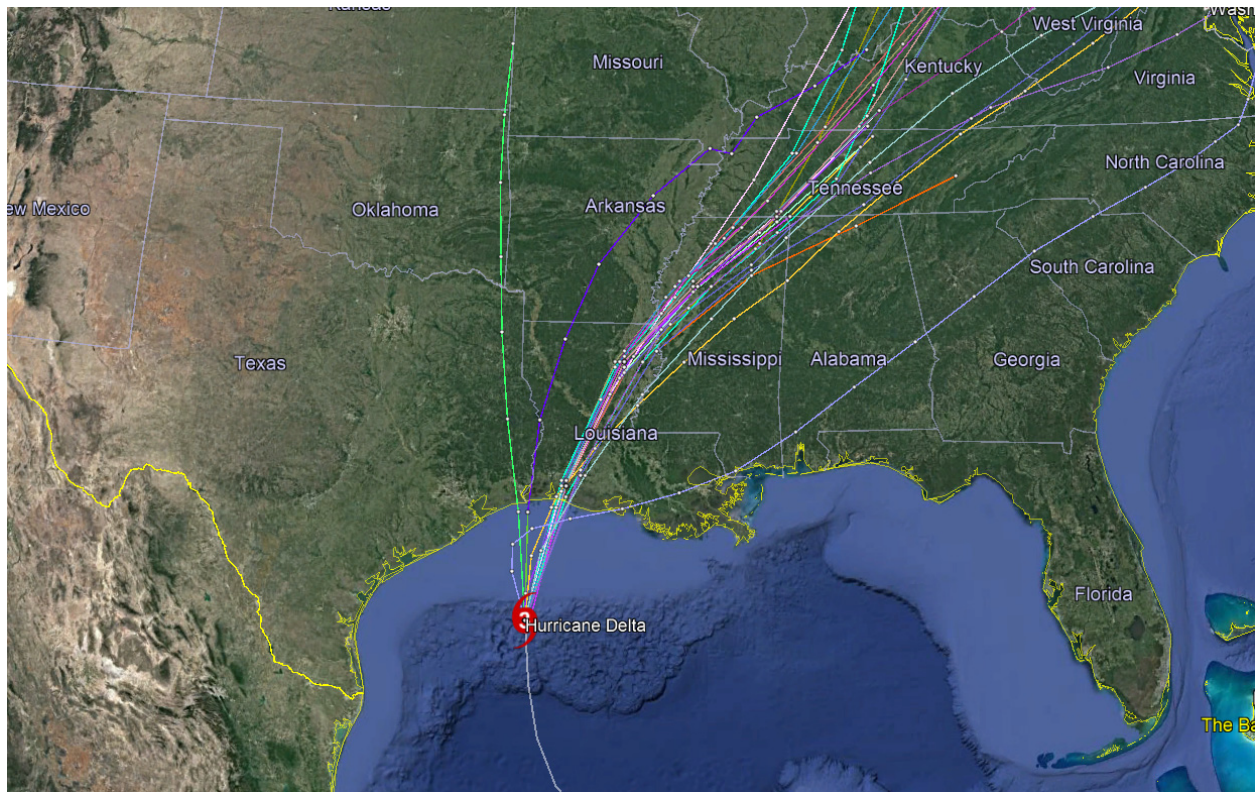
Weather Prediction Center: Rainfall Potential



Weather Prediction Center: Flash Flood Potential



Current 'Spaghetti' Model Output Data



Source: NHC

Additional Information and Update Schedule

Wind intensity forecasts and forecast track information can be found via the National Hurricane Center at www.nhc.noaa.gov

NEXT CAT ALERT: This afternoon after 4:00 PM Central Time (21:00 UTC).

*Tropical Cyclone Intensity Classifications for Global Basins

WIND SPEED			BASINS AND MONITORING BUREAU							
KTS ¹	MPH ¹	KPH ¹	NE Pacific, Atlantic	NW Pacific	NW Pacific	SW Pacific	Australia	SW Indian	North Indian	
			National Hurricane Center (NHC)	Joint Typhoon Warning Center (JTWC)	Japan Meteorological Agency (JMA)	Fiji Meteorological Service (FMS)	Bureau Of Meteorology (BOM)	Meteo-France (MF)	India Meteorological Department (IMD)	
30	35	55	Tropical Depression	Tropical Depression	Tropical Depression	Tropical Depression	Tropical Low	Tropical Depression	Deep Depression	
35	40	65	Tropical Storm	Tropical Storm	Tropical Storm	Cat. 1 Tropical Cyclone	Cat. 1 Tropical Cyclone	Moderate Tropical Storm	Cyclonic Storm	
40	45	75								
45	50	85								
50	60	95								
55	65	100			Severe Tropical Storm	Cat. 2 Tropical Cyclone	Cat. 2 Tropical Cyclone	Severe Tropical Storm		Severe Cyclonic Storm
60	70	110								
65	75	120	Cat. 1 Hurricane	Typhoon		Cat. 3 Severe Tropical Cyclone	Cat. 3 Severe Tropical Cyclone	Tropical Cyclone	Very Severe Cyclonic Storm	
70	80	130								
75	85	140								
80	90	150	Cat. 2 Hurricane		Typhoon		Cat. 4 Severe Tropical Cyclone	Cat. 4 Severe Tropical Cyclone		Intense Tropical Cyclone
85	100	160								
90	105	170								
95	110	175	Cat. 3 Major Hurricane		Typhoon					
100	115	185								
105	120	195								
110	125	205	Cat. 4 Major Hurricane		Super Typhoon					
115	130	210								
120	140	220								
125	145	230								
130	150	240	Cat. 5 Major Hurricane	Super Typhoon						
135	155	250								
140	160	260								
>140	>160	>260	Cat. 5 Major Hurricane	Super Typhoon						

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