

POST TROPICAL CYCLONE REPORT

Storm Name	Hurricane Francine
NWS Office	WFO New Orleans/Baton Rouge
Begin/End Date	09/10/2024 - 09/12/2024
Fatalities	0 - Direct 0 - Indirect
Tornadoes	0

Event Summary

Hurricane Francine made landfall as a category 2 in southwestern Terrebonne Parish with estimated maximum sustained winds of 100 mph. The storm resulted in scattered to widespread wind damage throughout the region. The most concentrated damage was in Terrebonne and Lafourche Parishes where several buildings sustained wind damage and nearly all customers lost commercial power. As the storm moved inland, the northern and northeastern eyewall elongated resulting in an East-West oriented band of extremely heavy rainfall. Several observation sites recorded 3-4" of rain in an hour or less, with 2-3 hour totals upwards of 7-8 inches. Widespread flash flooding occurred in a swath from near where the storm made landfall in Terrebonne Parish through the New Orleans metro area and into the north shore region. Storm surge flooding also affected coastal areas from Terreboone Parish through Jackson County, including the tidal lakes. Work is still being done to assess the peak storm surge inundation across the region.

NOTE: It is unlikely that the point-based observations provided in this report sampled the peak values for the event.

Highest 10 Land Winds (kts)*

Station	State	Type	Sustained	Gust
Caillou Lake SW of Dulac	LA	USGS	63	
Caillou Bay SW of Cocodrie	LA	USGS	49	
Loyola University	LA	WeatherSTEM	49	53
Houma	LA	AWOS	45	61
LSU Tiger Stadium	LA	WeatherSTEM	44	48
New Orleans International	LA	ASOS	43	68
Dulac	LA	WeatherFlow	41	57
Bay Gardene ner Pointe-A-La-Hache	LA	USGS	39	
Lakefront Airport	LA	WeatherFlow	38	51
New Orleans Lakefront	LA	ASOS	37	61

* Anemometer heights < 20 m

Highest 10 Marine Winds (kts)*

<i>Station</i>	<i>Type</i>	<i>Sustained</i>	<i>Gust</i>
Ship Island	WeatherFlow	41	52
New Canal	WLON	40	52
Mississippi Canyon 724	AWOS	38	45
Shell Beach	WLON	36	45
Petit Bois Island	WLON	35	47
Bay Waveland Yacht Club	WLON	33	42
Luke Offshore Platform	Buoy	29	41
Pilottown	WLON	29	36
Grand Isle	WLON	28	40

* Anemometer heights < 20 m

Highest 10 Rainfall Totals

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Inches</i>
Covington 4.0 NNE	LA	CoCoRaHS	9.63
Metairie 2.2 WSW	LA	CoCoRaHS	9.48
St. Rose 0.3 W	LA	CoCoRaHS	9.22
New Orleans Marconi	LA	Mesonet	9.21
Mandeville	LA	CWOP	9.09
Mandeville	LA	CWOP	8.98
New Orleans St. Bernard	LA	Mesonet	8.92
New Orleans Canal	LA	Mesonet	8.88
New Orleans City Park	LA	Mesonet	8.80
Kenner 0.8 NE	LA	CoCoRaHS	8.77

Highest NOAA Tide Gage Observations

<i>Station</i>	<i>State</i>	<i>Datum</i>	<i>Water Level (ft)</i>
Bay Waveland Yacht Club	MS	MHHW	4.81
New Canal	LA	MHHW	3.63
Pacagoula NOAA Lab	MS	MHHW	3.13
Shell Beach	LA	MHHW	2.91
Pilots Station East	LA	MHHW	2.37
Grand Isle	LA	MHHW	1.78
Port Fourchon	LA	MHHW	1.74
Pilottown	LA	MHHW	1.12

Lowest 10 Pressures

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Millibars</i>
Gibson	LA	WeatherFlow	981.7
Dulac	LA	WeatherFlow	983.1
Bayou Gauche	LA	WLON	987.1
Bayou Gauche		WLON	987.1
Waggaman	LA	WeatherFlow	988.3
City Hall/CBD	LA	WeatherSTEM	988.5
Killona	LA	WeatherSTEM	988.8
Lafreniere Park	LA	WeatherFlow	989.1
Loyola University	LA	WeatherSTEM	989.2
St. Charles Parish EOC	LA	WeatherSTEM	989.8

Report Last Updated on 09/15/2024:

The following files have been updated: Wind and Pressure, Rain, Water Levels

Impact narratives will be added at a later date.