

# POST TROPICAL CYCLONE REPORT

<b>Storm Name</b>	Hurricane Francine
<b>NWS Office</b>	WFO New Orleans/Baton Rouge
<b>Begin/End Date</b>	09/10/2024 - 09/12/2024
<b>Fatalities</b>	0 - Direct 0 - Indirect
<b>Tornadoes</b>	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	
Venetian Isles	LA	WeatherSTEM	49	51
Municipal Yacht Harbor	LA	WeatherSTEM	47	54
Warehouse District/Riverwalk	LA	WeatherSTEM	47	52
Houma	LA	AWOS	45	61
Irish Channel	LA	WeatherSTEM	45	55
Bayou Sauvage	LA	WeatherSTEM	45	59
Mid City New Orleans	LA	WeatherSTEM	44	53
New Orleans International	LA	ASOS	43	68

\* 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
Shell Beach	WLON	36	45
Chef Menteur Hwy - Rigolets	WeatherFlow	35	66
Petit Bois Island	WLON	35	47
Luke Offshore Platform	Buoy	34	41
Bay Waveland Yacht Club	WLON	33	42
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
Thibodaux - Victoria Ct	LA	CWOP	983.1
Dulac	LA	WeatherFlow	983.1
Houma	LA	CWOP	983.7
Raceland	LA	CWOP	983.7
Thibodaux - French Plantation	LA	CWOP	984.4
Thibodaux - Hwy 20	LA	CWOP	985.4
Bayou Gauche	LA	WLON	987.1
Waggaman	LA	WeatherFlow	988.3
City Hall/CBD	LA	WeatherSTEM	988.5

### ***Report Last Updated on 10/1/2024:***

The following file has been updated with this issuance: Impacts Report

The following files were last updated on 9/25/2024: Wind and Pressure, Rain, and Water Levels