

POST TROPICAL CYCLONE REPORT

Storm Name	Hurricane Francine
NWS Office	Lake Charles, LA
Begin/End Date	09/10/2024 - 09/12/2024
Fatalities	0 - Direct 0 - Indirect
Tornadoes	0

Event Summary

Hurricane Francine made landfall near the mouth of the Atchafalaya River near the St. Mary & Terrebonne Parish line about 30 miles south-southwest of Morgan City, Louisiana at 5 PM CDT September 11th with maximum sustained winds of 100 mph and a minimum central pressure of 972 millibars. After landfall, Hurricane Francine slowly weakened, downgraded to a tropical storm over Lake Maurepas by 10 PM CDT, and turned more northward, weakening to a tropical depression by 7 AM CDT September 12th between Jackson and Hattiesburg, Mississippi. Sustained tropical storm force winds occurred across South Central Louisiana (Acadiana) roughly south and east of a line from Intracoastal City to New Iberia, Louisiana. Sustained hurricane force winds and gusts were mainly confined to the northern and western eyewall passage across St. Mary and Lower St. Martin Parishes. Moderate storm surge flooding occurred across coastal St. Mary Parish, with minor storm surge flooding across coastal Iberia, Vermilion & Cameron Parishes, as well as coastal Jefferson County.

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
Patterson-Harry P. Williams Memorial	LA	AWOS	38	54
Berwick	LA	NOS	38	53
New Iberia-Acadiana Regional Airport	LA	ASOS	32	47
Lafayette Regional Airport	LA	ASOS	29	44
Lake Charles Regional Airport	LA	ASOS	22	28
Grand Chenier	LA	AWOS	21	30
Abbeville-Chris Crusta Memorial Airp	LA	AWOS	20	30
Port Arthur-Southeast Texas Regional	TX	ASOS	18	24
Sabine	LA	RAWS	16	24
Jennings Airport	LA	AWOS	15	24

* Anemometer heights < 20 m

Highest 10 Marine Winds (kts)*

<i>Station</i>	<i>Type</i>	<i>Sustained</i>	<i>Gust</i>
North of Eugene Island	NOS	66	91
Cypremort Point, LA	USGS	43	
Amerada Pass	NOS	43	63
Freshwater Canal Lock	NOS	31	40
Texas Point	NOS	22	27
Calcasieu Pass	NOS	21	31
Port Arthur	NOS	14	18

* Anemometer heights < 20 m

Highest 10 Rainfall Totals

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Inches</i>
Bayou Millhome at Stephenville	LA	USGS	8.56
Baldwin 1.8 N	LA	CoCoRaHS	5.74
Alexandria 2.8 SW	LA	CoCoRaHS	3.51
Marksville	LA	COOP	3.49
ALEXANDRIA 2.8 SW	LA	CoCoRaHS	3.37
Alexandria 5 SSE	LA	COOP	3.12
Jeanerette 0.2 E	LA	CoCoRaHS	3.03
Alexandria Esler Field	LA	ASOS	2.76
Evangeline Gardner	LA	RAWS	2.63
Pineville 6.1 NNW	LA	CoCoRaHS	2.47

Highest NOAA Tide Gauge Observations

<i>Station</i>	<i>State</i>	<i>Datum</i>	<i>Water Level (ft)</i>
North of Eugene Island	LA	MHHW	2.78
Freshwater Canal Lock	LA	MHHW	2.53
Texas Point	TX	MHHW	2.36
Amerada Pass	LA	MHHW	2.25
Calcasieu Pass	LA	MHHW	2.16
Rainbow Bridge	TX	MHHW	2.03
Lake Charles Bulk Terminal	LA	MHHW	1.88
Lake Charles	LA	MHHW	1.76
Berwick	LA	MHHW	0.60

Lowest 10 Pressures (MSLP)

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Millibars</i>
North of Eugene Island	LA	NOS	975.7
Eugene Island 25	LA	AWOS	977.8
Amerada Pass	LA	NOS	978.5
Berwick	LA	NOS	983.0
Patterson-Harry P. Williams Memorial	LA	AWOS	988.8
New Iberia-Acadiana Regional Airport	LA	ASOS	997.6
Abbeville-Chris Crusta Memorial Airp	LA	AWOS	998.3
Lafayette Regional Airport	LA	ASOS	999.7
Freshwater Canal Lock	LA	NOS	1001.0
Grand Chenier	LA	AWOS	1001.4

Report Last Updated on 09/27/2024:

The following files have been updated: Wind and Pressure, Rainfall.