

POST TROPICAL CYCLONE REPORT

Storm Name	Tropical Storm Francine
NWS Office	Corpus Christi
Begin/End Date	09/08/2024 - 09/12/2024
Fatalities	0 - Direct 0 - Indirect
Tornadoes	0

Event Summary

A frontal boundary moved southward across a large portion of the southern and eastern US, with a broad area of low pressure in association with the boundary persisting over the NW Gulf of Mexico during the weekend of September 6-7th. This area of low pressure continued to drift southward and eventually merged into a weak tropical wave over the Bay of Campeche. This disturbance then developed into a strong and elongated area of low pressure which became Post Tropical Cyclone (PTC) Six on Sunday afternoon, September 8th. PTC Six moved northwest slowly over the Bay of Campeche towards the Mexico Coast, becoming more organized and intensifying to Tropical Storm Francine Monday morning, September 9th. Francine intensified quickly in just 6 hours to max sustained winds over 60 mph Monday afternoon. Francine finally took a more northeasterly turn Tuesday morning (September 10th), maintaining the same intensity. Although Francine remained well offshore, wave heights of 8-12 feet and swell periods 8-10 seconds were observed. These hazardous seas caused coastal flooding inundation of 1-3 feet along the immediate Middle Texas Coast with water reaching the dunes and beach roads Monday into the midweek. Coastal flooding was significant as store/road closures occurred around the JFK Causeway in Corpus Christi during the day on Monday. Additional coastal flooding occurred along Gulf-facing beaches as well as along portions of Corpus Christi Bay Wednesday morning.

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)*

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Sustained</i>	<i>Gust</i>
----------------	--------------	-------------	------------------	-------------

* Anemometer heights < 20 m

Highest 10 Marine Winds (kts)*

<i>Station</i>	<i>Type</i>	<i>Sustained</i>	<i>Gust</i>
----------------	-------------	------------------	-------------

* Anemometer heights < 20 m

Highest 10 Rainfall Totals

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Inches</i>
Victoria Regional Airport	TX	ASOS	0.10
Victoria 0.4 SE	TX	COCORAHS	0.10
Port Lavaca 6.8W	TX	COCORAHS	0.09
Victoria 1.2 NNE	TX	COCORAHS	0.09
Corpus Christi 5.1 WNW	TX	COCORAHS	0.07
Port Lavaca	TX	CWOP	0.07
Austwell 0.3 ESE	TX	COCORAHS	0.05
PADRE	TX	RAWS	0.05
Orange Grove 3.3 NW	TX	COCORAHS	0.05
Goliad 8.7 WNW	TX	COCORAHS	0.05

Highest NOAA Tide Gage Observations

<i>Station</i>	<i>State</i>	<i>Datum</i>	<i>Water Level (ft)</i>
Matagorda Bay Entrance	TX	MHHW	2.39
Port Aransas Setinel	TX	MHHW	2.38
Port O'Connor	TX	MHHW	2.26
Port Aransas	TX	MHHW	2.22
Packery Channel	TX	MHHW	2.19
S. Bird Island	TX	MHHW	2.18
Viola Turning Basin, TX	TX	MHHW	2.16
Port Lavaca	TX	MHHW	2.12
Enbridge, Ingleside, TX	TX	MHHW	2.12
La Quinta Channel North	TX	MHHW	2.12

Lowest 10 Pressures

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Millibars</i>
----------------	--------------	-------------	------------------

Report Last Updated on 09/13/2024:

The following files have been updated: Wind and Pressure, Rainfall, Water Level, and Tornadoes. Extended the time of the event to account for lingering tidal issues.