

POST TROPICAL CYCLONE REPORT

Storm Name	Tropical Storm Alberto
NWS Office	Lake Charles, LA
Begin/End Date	06/17/2024 - 06/20/2024
Fatalities	0 - Direct 0 - Indirect
Tornadoes	0

Event Summary

A large area of low pressure across the Western Gulf of Mexico that eventually became Tropical Storm Alberto, coupled with large surface high pressure over the Eastern United States, created a tight pressure gradient and caused a large easterly wind fetch across the Northern Gulf of Mexico. This resulted in water levels running around 2.5 to 3.0 feet MHHW along Lower Jefferson County across Southeast Texas, Cameron and Lower Vermilion Parishes across Southwest Louisiana. Further inland across Southern Orange County, Souther Calcasieu Parish, as well as Lower Iberia and Lower St. Mary Parishes across South Central Louisiana, water levels of 2.0 to 2.5 feet MHHW were recorded. This caused minor to moderate coastal flooding. Due to the prolonged duration of higher tides, salt water intrusion into most of the low lying and marsh areas of the counties and parishes affected took a few days to drain out once the easterly winds had receded.

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
Lake Charles Regional Airport	LA	ASOS	28	41
Alexandria International Airport	LA	ASOS	28	36
Grand Chenier	LA	AWOS	28	40
New Iberia-Acadiana Regional Airport	LA	ASOS	26	35
Alexandria Esler Field	LA	ASOS	25	40
Port Arthur-Southeast Texas Regional A	TX	ASOS	24	33
Beaumont Municipal Airport	TX	AWOS	22	27
Lake Charles-Chenault International Ai	LA	AWOS	21	27
Berwick	LA	NOS	21	32
Patterson-Harry P. Williams Memorial /	LA	AWOS	20	26

* Anemometer heights < 20 m

Highest 10 Marine Winds (kts)*

<i>Station</i>	<i>Type</i>	<i>Sustained</i>	<i>Gust</i>
Calcasieu Pass	NOS	31	38
Texas Point	NOS	31	40
North of Eugene Island	NOS	30	34
Freshwater Canal Lock	NOS	26	33
Amerada Pass	NOS	20	29
Port Arthur	NOS	20	29

* Anemometer heights < 20 m

Highest 10 Rainfall Totals

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Inches</i>
Catfish Point	LA	COOP	4.69
Lake Charles Port	LA	COOP	2.05
Lake Charles Regional Airport	LA	ASOS	1.54
Franklin 3 NW	LA	COOP	1.52
Port Arthur City	TX	COOP	0.98
Carencro	LA	COOP	0.95
Port Arthur-Southeast Texas Regional A	TX	ASOS	0.84
Jasper	TX	COOP	0.76
Jeanerette 5 NW	LA	COOP	0.74
Lumberton	TX	COOP	0.70

Highest NOAA Tide Gage Observations

<i>Station</i>	<i>State</i>	<i>Datum</i>	<i>Water Level (ft)</i>
Freshwater Canal Lock	LA	MHHW	2.91
Texas Point	TX	MHHW	2.91
Rainbow Bridge	TX	MHHW	2.60
Calcasieu Pass	LA	MHHW	2.54
North of Eugene Island	LA	MHHW	2.45
Amerada Pass	LA	MHHW	2.35
Lake Charles Bulk Terminal	LA	MHHW	2.23
Lake Charles	LA	MHHW	2.11

Lowest 10 Pressures

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Millibars</i>
Texas Point	TX	NOS	1007.8
Port Arthur	TX	NOS	1008.6
Port Arthur-Southeast Texas Regional A	TX	ASOS	1009.5
Grand Chenier	LA	AWOS	1010.2
Beaumont Municipal Airport	TX	AWOS	1010.2
Calcasieu Pass	LA	NOS	1010.2
Jasper County Airport	TX	AWOS	1010.5
North of Eugene Island	LA	NOS	1010.5
New Iberia-Acadiana Regional Airport	LA	ASOS	1010.8
Jennings Airport	LA	AWOS	1010.8

Report Last Updated on 06/26/2024:

The following files have been updated: Wind and Pressure, Rainfall, Water Level, Impact Narratives.

Initial issuance.