

POST TROPICAL CYCLONE REPORT

Storm Name	Alberto
NWS Office	Houston/Galveston (HGX)
Begin/End Date	06/18/2024 - 06/20/2024
Fatalities	0 - Direct 1 - Indirect
Tornadoes	1

Event Summary

While Tropical Storm Alberto made landfall hundreds of miles away in Mexico, it impacted portions of Southeast Texas. Increased tides lead to moderate to significant coastal flooding across Gulf-facing beaches, and lead to strong rip currents. There was a fatality due to rip currents on Friday, June 21st in Galveston near the 25th St Pier. Rainfall totals through the event were generally between one and three inches, but some isolated higher amounts of four to five inches occurred near the coast. There was one confirmed tornado during this event, in Austin County near Bellville, on Wednesday, June 19th that was rated an EF-1 tornado with estimated peak winds of 100 mph.

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>
1 SSW Surfside Beach	TX	Mesonet	38	43
Surfside Beach	TX	WXFLOW	34	42
Levee	TX	Mesonet	33	41
Texas Corinthian Tacht Club	TX	WXFLOW	30	40
Galveston Scholes Field	TX	ASOS	28	41
Crab Lake	TX	WXFLOW	27	37
Freeport	TX	Mesonet	27	37
Texas City	TX	WXFLOW	25	37
Clear Lake Park	TX	WXFLOW	24	37
Houston Intercontinental Airport	TX	ASOS	24	33

* Anemometer heights < 20 m

Highest 10 Marine Winds (kts)*

<i>Station</i>	<i>Type</i>	<i>Sustained</i>	<i>Gust</i>
Galveston Bay Entrance (North Jetty)	NOS	36	45
Matagorda Bay	WXFLOW	36	44
Freeport Harbor	NDBC	35	42
Matagorda Bay Entrance	NDBC	33	40
Galveston Bouy	NDBC	31	44
Galveston RR Bridge	NDBC	30	39
San Luis Pass	NDBC	30	39
Matagorda City	NDBC	30	37
Freeport Bouy	NDBC	30	41
Eagle Point	NDBC	30	37

* Anemometer heights < 20 m

Highest 10 Rainfall Totals

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Inches</i>
Sargent	TX	Mesonet	5.16
Spring	TX	Mesonet	4.26
Brazoria NWR	TX	Mesonet	4.25
2 NE South Houston	TX	Mesonet	4.02
Alvin	TX	Mesonet	3.44
16 E Palacios	TX	Mesonet	3.41
3 E Katy	TX	Mesonet	3.40
0.5 W Katy	TX	Mesonet	3.36
Palacios Municipal Airport	TX	ASOS	3.29
Fayetteville 3.5 E	TX	CoCoRaHS	3.19

Highest NOAA Tide Gage Observations

<i>Station</i>	<i>State</i>	<i>Datum</i>	<i>Water Level (ft)</i>
San Luis Pass	TX	MHHW	4.05
Freeport Harbor	TX	MHHW	3.78
Matagorda City	TX	MHHW	3.39
Sargent	TX	MHHW	3.30
Manchester	TX	MHHW	3.28
Rollover Pass	TX	MHHW	3.22
Morgans Point	TX	MHHW	3.22
Matagorda Bay Entrance	TX	MHHW	3.07
Galveston Bay Entrance	TX	MHHW	2.91
High Island	TX	MHHW	2.82

Lowest 10 Pressures (MSLP)

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Millibars</i>
Galveston Causeway	TX	Mesonet	1005.8
Freeport Bouy		NDBC	1005.8
Matagorda Bay Entrance		NDBC	1006.3
Galveston 209A		AWOS	1006.9
Freeport Harbor		NDBC	1007.1
1 SSW Surfside Beach	TX	Mesonet	1007.2
Matagorda City		NDBC	1007.6
Palacios Municipal Airport	TX	ASOS	1007.9
Galveston RR Bridge		NDBC	1008.0
San Luis Pass		NDBC	1008.3

Report Last Updated on [06/23/2024]:

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

Remarks: