

POST TROPICAL CYCLONE REPORT

Storm Name	Beryl
NWS Office	Houston/Galveston
Begin/End Date	07/07/2024- 07/08/2024
Fatalities	7 - Direct 4 - Indirect
Tornadoes	1

Event Summary

Hurricane Beryl made landfall in the early morning hours of July 8th, 2024 with the first outer rainbands reaching Southeast Texas during the afternoon on July 7th. Beryl brought coastal flooding, flash flooding, and widespread wind damages to most of the region. Highest sustained wind was at Surfside Beach with 56 kt (64 mph) with the highest gust of 84 kt (97 mph) near SH-36 at Brazos River in Brazoria County. The high winds brought numerous trees and power lines across the area resulting in widespread power outages. On average, Beryl produced around 4-8 inches of rainfall, but there were swaths of 10-15 inches where the rainbands stayed over. There has been one confirmed tornado, and EF-1, that started out as a waterspout that crossed over Galveston Island near Jamaica Beach during the early morning hours of July 8th. Beryl produced storm surge flooding generally between 4 and 6 ft, with some storm survey's finding up to 8 ft of inundation. There has been 7 total fatalities due to Beryl. The direct deaths were 5 due to falling trees and 2 due to flash flooding. The indirect deaths were 2 from carbon monoxide poisoning, 1 from a house fire that started from lightning, and 1 that lost power to their medical machine. Heat indices of 100 to 106°F were experienced for several days after Beryl exited the region leading to Heat Advisories being issued for the region due to millions without power.

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
Surfside Beach	TX	WXFLOW	56	74
Houston Intercontinental Airport	TX	ASOS	51	72
San Bernard National Wildlife Refuge	TX	RAWS	51	79
2.8 E Sweeny	TX	Mesonet	51	56
Palacios Municipal Airport	TX	ASOS	50	77
Levee	TX	Mesonet	48	63
Clear Lake Park	TX	WXFLOW	48	65
Bay City Municipal Airport	TX	AWOS	48	56
Houston Hobby Airport	TX	ASOS	47	73

Galveston Scholes Field
* Anemometer heights < 20 m

TX

ASOS

45

62

Highest 10 Marine Winds (kts)*

<i>Station</i>	<i>Type</i>	<i>Sustained</i>	<i>Gust</i>
Freeport Harbor	NDBC	65.3	76
Matagorda Bay Entrance	NDBC	63.8	77
Galveston Bay Entrance (North Jetty)	NOS	63	71
Matagorda City	NDBC	59.3	75
Port O'Connor	NDBC	54.4	66
Matagorda Bay	WXFLOW	54	68
San Luis Pass	NDBC	50.9	70
Eagle Point	NDBC	48.8	59
Freeport Bouy	NDBC	47	64
Galveston Bay Entrance	WXFLOW	46	64

* Anemometer heights < 20 m

Highest 10 Rainfall Totals

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Inches</i>
Thompsons	TX	Mesonet	14.99
2.8 E Hilshire	TX	Mesonet	14.88
6 WSW Spring	TX	Mesonet	13.57
3.5 WSW Houston	TX	CoCoRaHS	13.55
1 SSE Texas City	TX	Mesonet	13.45
2.7 NNE Hilshire Village	TX	CoCoRaHS	13.41
2.2 SW Sugar Land	TX	Mesonet	13.32
Katy	TX	Mesonet	12.08
5.5 N Hilshire Village	TX	HCFC	11.96
4.2 W Brookside	TX	HCFC	11.76

Highest NOAA Tide Gage Observations

<i>Station</i>	<i>State</i>	<i>Datum</i>	<i>Water Level (ft)</i>
Manchester	TX	MHHW	8.79
Morgans Point	TX	MHHW	5.54
Rollover Pass	TX	MHHW	4.98
Galveston Railroad Bridge	TX	MHHW	3.82
Eagle Point	TX	MHHW	3.57
Galveston Bay Entrance	TX	MHHW	3.52
San Luis Pass	TX	MHHW	3.50
Galveston Pier 21	TX	MHHW	3.38
High Island	TX	MHHW	3.13
Matagorda City	TX	MHHW	3.09

Lowest 10 Pressures (MSLP)

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Millibars</i>
Matagorda Bay		WXFLOW	978.8
Matagorda City		NDBC	979.8
Bay City Municipal Airport	TX	AWOS	979.9
Navasota Municipal Airport	TX	AWOS	985.1
John Paul Landing	TX	Mesonet	985.6
Matagorda Bay Entrance		NDBC	985.7
Houston Executive Airport	TX	AWOS	986.6
Palacios Municipal Airport	TX	ASOS	986.7
Hooks Memorial Airport	TX	ASOS	986.7
La Ward	TX	CWOP	989.1

Report Last Updated on 07/10/2024:

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

Remarks:

None