

POST TROPICAL CYCLONE REPORT

Storm Name	Hurricane Helene
NWS Office	Tampa Bay Area/Ruskin
Begin/End Date	09/25/2024 - 09/27/2024
Fatalities	14 - Direct 3 - Indirect
Tornadoes	1

Event Summary

Hurricane Helene made landfall in the Big Bend region of Florida as a category 4 hurricane and brought devastating impacts along and well east of its path. Significant storm surge flooding affected areas along the immediate coast from the Nature Coast southward into parts of southwest Florida, and record high water levels were recorded at numerous tidal gauges along the coast. Helene also caused additional impacts due to high winds.

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>
Cedar Key	FL	NOS	56	73
Venice	FL	NDBC	48	62
Clearwater Beach	FL	NOS-NWLON	48	64
Albert Whitted Airport	FL	ASOS	46	71
St. Pete-Clearwater International Airpo	FL	ASOS	44	62
Sarasota/Bradenton International Airp	FL	ASOS	44	64
St. Petersburg	FL	NOS-NWLON	43	55
Dunedin Causeway	FL	WXFLOW	43	59
Old Port Tampa	FL	NOS-PORTS	42	58
Tampa International Airport	FL	ASOS	41	58

* Anemometer heights < 20 m

Highest 10 Marine Winds (kts)*

<i>Station</i>	<i>Type</i>	<i>Sustained</i>	<i>Gust</i>
Egmont Channel	WXFLOW	51	70
Tampa Bay Cut J	WXFLOW	50	63
Skyway Fishing Pier	WXFLOW	49	62
C10 - WFS Central Buoy	NDBC	47	68
Clam Bayou Nature Park	WXFLOW	46	59
Middle Tampa Bay	NDBC	44	59
Sarasota Bay Marker 17	WXFLOW	43	58
Sanibel DB 4	Wx Flow Pro	37	52

* Anemometer heights < 20 m

Highest 10 Rainfall Totals

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Inches</i>
Dover	FL	FAWN	4.50
St. James City	FL	Lee County	3.79
Alafia River at Lithia Pinecrest Rd at Lit	FL	USGS	3.70
Cooper Creek at University Pkwy	FL	Manatee Cou	3.39
Frog Creek at Buffalo Road	FL	Manatee Cou	3.32
Bullfrog Creek near Wimauma FL	FL	USGS	3.31
Tampa 6 NE	FL	COOP	3.27
Chinsegut Hill	FL	SWFWMD	3.23
Gap Creek at 45th Street East	FL	Manatee Cou	3.23
Wares Creek at 12th St W	FL	Manatee Cou	3.20

Highest NOAA Tide Gage Observations

<i>Station</i>	<i>State</i>	<i>Datum</i>	<i>Water Level (ft)</i>
Cedar Key	FL	MHHW	9.30
East Bay	FL	MHHW	7.20
Old Port Tampa	FL	MHHW	6.83
Clearwater Beach	FL	MHHW	6.67
St. Petersburg	FL	MHHW	6.31
Port Manatee	FL	MHHW	6.04
Fort Myers	FL	MHHW	5.12

Lowest 10 Pressures (MSLP)

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Millibars</i>
Cedar Key	FL	NOS	980.2
Williston Municipal Airport	FL	AWOS	988.8
Fred Howard Park	FL	NDBC	989.0
Weeki Wachee	FL	WXFLOW	989.0
Clearwater Beach	FL	NOS-NWLON	989.2
Crystal River Airport-Captain Tom Davis	FL	AWOS	989.5
Brooksville-Tampa Bay Regional Airpor	FL	ASOS	989.8
Dunedin Causeway	FL	WXFLOW	990.0
Egmont Channel		WXFLOW	990.0
Belleair	FL	WXFLOW	990.0

Report Last Updated on 10/02/2024:

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

Remarks:

Initial Issuance