

POST TROPICAL CYCLONE REPORT

Storm Name	Hurricane Debby
NWS Office	Tampa Bay Area/Ruskin
Begin/End Date	08/03/2024 - 08/05/2024
Fatalities	2 - Direct 0 - Indirect
Tornadoes	3

Event Summary

Hurricane Debby developed from Tropical Depression Four, that formed along the southern coast of Cuba around 11 PM EDT on August 2. The depression moved into the southeast Gulf of Mexico and strengthened into Tropical Storm Debby at 5 PM EDT on August 3. Debby continued organizing while turning northwest then north on August 4, strengthening to a hurricane at 11 PM EDT while centered about 100 miles west-northwest of Tampa. The hurricane gradually turned north-northeast while continuing to strengthen and made landfall near Steinhatchee, Florida, around 7 AM EDT August 5. Debby produced storm surge and wind damage across west central and southwest Florida as it passed by the area to the west. However its most significant impact was river and flash flooding caused by torrential rainfall, which in parts of Manatee and Sarasota counties totaled between 15 and 20 inches, prompting the closure of numerous roadways and requiring water rescues from stranded vehicles to homes and apartments in area neighborhoods.

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
Cedar Key	FL	NOS	45	58
Venice	FL	NDBC	41	55
Sarasota/Bradenton International Airport	FL	ASOS	40	56
Clearwater Beach	FL	NOS-NWLON	40	55
Albert Whitted Airport	FL	ASOS	39	55
Fred Howard Park	FL	NDBC	38	52
St. Petersburg	FL	NOS-NWLON	37	47
Dunedin Causeway	FL	WXFLOW	36	47
St. Pete-Clearwater International Airport	FL	ASOS	35	52
Venice Municipal Airport	FL	AWOS	35	45

* Anemometer heights < 20 m

Highest 10 Marine Winds (kts)*

<i>Station</i>	<i>Type</i>	<i>Sustained</i>	<i>Gust</i>
Egmont Channel	WXFLOW	47	56
West Tampa	NDBC	44	53
Skyway Fishing Pier	WXFLOW	40	61
C10 - WFS Central Buoy	NDBC	39	54
Middle Tampa Bay	NDBC	38	48
Sarasota Bay Marker 17	WXFLOW	36	49
Clam Bayou Nature Park	WXFLOW	36	50

* Anemometer heights < 20 m

Highest 10 Rainfall Totals

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Inches</i>
HUD-2 Arlington St	FL	Sarasota Cou	16.98
MANATEE RIVER AT RYE FL	FL	USGS	15.84
PH-14 BoB	FL	Sarasota Cou	15.09
PH-1 Hidden Forest	FL	Sarasota Cou	14.91
Lake Manatee At Verna Bethany Rd	FL	Manatee Cou	14.81
Holiday B	FL	Sarasota Cou	14.68
ROMP 20 Osprey	FL	SWFWMD	14.53
Cooper Creek At University Pkwy	FL	Manatee Cou	14.36
Sarasota Center	FL	SWFWMD	14.35
Bradenton 5 ESE	FL	COOP	14.20

Highest NOAA Tide Gage Observations

<i>Station</i>	<i>State</i>	<i>Datum</i>	<i>Water Level (ft)</i>
Cedar Key	FL	MHHW	4.65
Ft. Myers	FL	MHHW	3.27
East Bay	FL	MHHW	2.97
Old Port Tampa	FL	MHHW	2.97
St. Petersburg	FL	MHHW	2.62
Clearwater Beach	FL	MHHW	2.46
Port Manatee	FL	MHHW	2.42

Lowest 10 Pressures

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Millibars</i>
Cedar Key	FL	NOS	996.7
West Tampa		NDBC	997.3
Egmont Channel		WXFLOW	1002.0
Clearwater Beach	FL	NOS-NWLON	1002.7
Fred Howard Park	FL	NDBC	1002.8
Williston Municipal Airport	FL	AWOS	1003.0
Weeki Wachee	FL	WXFLOW	1003.0
Crystal River Airport-Captain Tom Davis	FL	AWOS	1003.7
Albert Whitted Airport	FL	ASOS	1003.8
Dunedin Causeway	FL	WXFLOW	1004.0

Report Last Updated on 08/20/2024:

The following files have been updated: Impact Narratives.