

POST TROPICAL CYCLONE REPORT

Storm Name	Hurricane Debby
NWS Office	Miami
Begin/End Date	08/03/2024 - 08/05/2024
Fatalities	0 - Direct 0 - Indirect
Tornadoes	0

Event Summary

The center of Debby passed about 140 miles west of Naples as a tropical storm moving N-NW over the eastern Gulf of Mexico around 8 AM EDT on August 4th, then intensified into a hurricane NW of Tampa at 11 PM EDT August 4th before making landfall in the Florida Big Bend area as a Category 1 hurricane on the morning of August 5th. The outermost edge of Debby's tropical storm force wind field skirted the SW Florida Gulf coast, and outer rain bands periodically moved across the southern Florida peninsula on August 3rd and 4th, bringing brief tropical storm force wind gusts to most of the area. The most persistent rain bands moved over western, southern, and central sections of Collier County on August 4th, producing near-tropical storm conditions and rainfall of 4-6 inches. A storm surge of just over 3 feet, in combination with the high rainfall amounts, led to moderate coastal flooding in vulnerable storm surge locations in coastal Collier County during the high tide cycle on August 4th. The heavy rainfall also caused widespread minor to moderate inland flooding across the Naples and Golden Gate areas.

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>
Naples Municipal Airport	FL	ASOS	32	43
Miami Beach	FL	Earth Networ	31	35
Jupiter	FL	Earth Networ	31	37
Palm Beach Gardens	FL	Earth Networ	31	38
Coral Springs Public Safety Building	FL	WeatherSTEM	29	37
Hallandale Beach	FL	Earth Networ	29	38
Fort Lauderdale Executive Airport	FL	ASOS	28	44
Pompano Beach High School	FL	Earth Networ	28	58
Riviera Beach	FL	Earth Networ	27	42
Palm Beach International Airport	FL	ASOS	26	39

Highest 10 Marine Winds (kts)*

<i>Station</i>	<i>Type</i>	<i>Sustained</i>	<i>Gust</i>
Juno Beach Pier	WxFlow	39	51
Lake Worth Pier	NOS/CMAN	36	47
Biscayne Bay Light 20	WxFlow	34	47
Hillsboro Inlet	WxFlow	34	44
FSWN Delray Beach North	WeatherSTEM	33	40
Virginia Key	NOS/WLON	33	38
Dania Pier	WxFlow	31	63
Marco Island Charter Club	Earth Networ	28	44
Lake Okeechobee North End	SFWMD	28	36
Crandon Park	WxFlow	27	37

Highest 10 Rainfall Totals

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Inches</i>
Golden Gate Estates	FL	PWS	8.23
North Naples	FL	PWS	7.69
Naples Beach	FL	PWS	7.14
Naples/Golden Gate COOP	FL	COOP	7.02
Naples 11.8 ENE	FL	COCORAHS	6.85
Gulf Harbor	FL	PWS	6.75
Naples Park 3.7 ENE	FL	COCORAHS	6.48
Marco Island Charter Club	FL	Earth Networ	6.43
Naples Manor	FL	PWS	6.33
East Naples 2.0 ENE	FL	COCORAHS	6.01

Highest NOAA Tide Gage Observations

<i>Station</i>	<i>State</i>	<i>Datum</i>	<i>Water Level (ft)</i>
North Naples Bay	FL	MHHW	3.11

Lowest 10 Pressures

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Millibars</i>
#N/A			

Report Last Updated on 08/07/2024:

This is the initial issuance. The following files have been updated: Summary, Wind and Pressure, Rainfall, Water Level, Inland Flooding, and Impacts. No tornadoes were confirmed.

No further updates unless additional information is received.