

POST TROPICAL CYCLONE REPORT

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|-----------------------|----------------------------|
| 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.