

POST TROPICAL CYCLONE REPORT

Storm Name	Hurricane Debby
NWS Office	Melbourne
Begin/End Date	08/03/2024 - 08/06/2024
Fatalities	0 - Direct 0 - Indirect
Tornadoes	0

Event Summary

Debby made landfall along the coast of the Florida Big Bend near Steinhatchee as a Category 1 hurricane, providing glancing and overall minor impacts to east central Florida. Sustained wind speeds generally reached 25 to 35 mph with gusts frequently reaching 40 to 50 mph. Widespread rainfall amounts of 2 to 4 inches were recorded, with locally higher amounts of 6 to 7 inches in Lake County. Overall, damage to vegetation and infrastructure was limited, with a few reports of tree and powerline damage noted in Lake County. Additionally, a severe thunderstorm within one of Debby's outer rainbands produced damage in Brevard County, where several campers were flipped at an RV park.

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>
Orlando International Airport	FL	ASOS	30	44
Leesburg International Airport	FL	ASOS	29	47
Treasure Coast International Airport	FL	ASOS	28	43
Melbourne South DB8	FL	WxFlow	28	42
Vero Beach Regional Airport	FL	ASOS	25	39
Melbourne Beach Barrier Island Sanctu	FL	WxFlow	25	35
Orlando Sanford International Airport	FL	ASOS	24	37
Melbourne Orlando International Airp	FL	ASOS	24	37
Kissimmee Gateway Airport	FL	AWOS	22	35
Daytona Beach International Airport	FL	ASOS	21	35

* Anemometer heights < 20 m

Highest 10 Marine Winds (kts)*

<i>Station</i>	<i>Type</i>	<i>Sustained</i>	<i>Gust</i>
KSC/CCSFS WINDS Tower 0002	Other Federa	36	54
KSC/CCSFS WINDS Tower 0003	Other Federa	35	46
KSC/CCSFS WINDS Tower 0001	Other Federa	32	44
Buoy 41009 - 20 NM East of Cape Canaveral	NDBC	29	41
Banana River at 520	WxFlow	28	35
Buoy 41069 - Ponce de Leon Inlet FL (P IOOS Partner)		27	37
Indian River	WxFlow	26	36
Titusville Parrish Park North	WxFlow	26	38
Malabar Indian River, Rocky Point	WxFlow	25	40
KSC/CCSFS WINDS Tower 0714	Other Federa	24	38

* Anemometer heights < 20 m

Highest 10 Rainfall Totals

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Inches</i>
Lady Lake 1.2 ESE	FL	COCORAHS	6.75
5 SSW Clermont	FL	COCORAHS	5.81
Leesburg 5.4 SSE	FL	COCORAHS	5.75
Lady Lake 4.0 ESE	FL	COCORAHS	5.57
The Villages	FL	CWOP	5.38
Tavares 0.4 SSE	FL	COCORAHS	4.97
Montverde	FL	CWOP	4.93
Clermont 6.5 S	FL	COCORAHS	4.91
1 SW Mgm Studios	FL	AWS	4.85
Leesburg International Airport	FL	ASOS	4.78

Highest NOAA Tide Gage Observations

<i>Station</i>	<i>State</i>	<i>Datum</i>	<i>Water Level (ft)</i>
Trident Pier, Port Canaveral, FL	FL	MHHW	0.46

Lowest 10 Pressures

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Millibars</i>
Reedy Lake	FL	WxFlow	1002.5
Disney Safety Demo	FL	WxFlow	1004.9
Leesburg International Airport	FL	ASOS	1007.0
Buoy 41069 - Ponce de Leon Inlet FL (PNC)		IOOS Partner	1007.7
Daytona Beach International Airport	FL	ASOS	1008.0
Melbourne South DB8	FL	WxFlow	1008.0
Orlando Sanford International Airport	FL	ASOS	1008.8
Titusville Parrish Park North	FL	WxFlow	1009.2
Orlando International Airport	FL	ASOS	1009.5
Banana River at 520	FL	WxFlow	1010.0

Report Last Updated on 08/06/2024

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