

POST TROPICAL CYCLONE REPORT

Storm Name	Hurricane Debby
NWS Office	Tallahassee
Begin/End Date	08/04/2024 - 08/06/2024
Fatalities	[2] - Direct [2] - Indirect
Tornadoes	0

Event Summary

Hurricane Debby made landfall along the Taylor County coast as a Category 1 Hurricane on the morning of Monday August 5th. In addition to storm surge flooding along the FL Big Bend coast, around 12 inches of rainfall lead to widespread flooding in Madison and Taylor counties. In particular, rainfall in Southeast Madison County corresponded to a 0.2% annual chance occurrence or a 500 year flood event. As of August 20th, flooding continues in southeastern Madison County, where water levels continue to gradually rise east of Lee and areas around US 90 as well as areas south of I-10 east of State Road 53. Flood waters in southeastern Madison County are continuing to gradually shift slowly south and east toward the Suwannee River, which remains in flood as of August 20th. Flooding also occurred along portions of the Aucilla, Fenholloway, Steinhatchee and Withlacoochee rivers. Tropical storm force winds also led to power outages in the Florida Big Bend and South-Central Georgia. There were two direct fatalities from trees falling on homes in Dixie County, Florida and Moultrie, Georgia. Two indirect fatalities also occurred in Dixie County due to a traffic accident. The highest water marks measured by a survey team from FDEM were around 3 feet AGL in Horseshoe Beach.

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>
Perry-Foley Airport	FL	AWOS	38	54
Valdosta Regional Airport	GA	ASOS	38	50

* Anemometer heights < 20 m

Highest 10 Marine Winds (kts)*

<i>Station</i>	<i>Type</i>	<i>Sustained</i>	<i>Gust</i>
West Tampa	NDBC	44	53

* Anemometer heights < 20 m

Highest 10 Rainfall Totals

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Inches</i>
Old Town	FL	Mesonet	12.70
Midway Tower	FL	SRWMD	11.43
Mallory Tom Gunter Road	FL	SRWMD	10.19
Holly Hill	FL	SRWMD	9.88
Hopewell Tower	FL	SRWMD	9.59
Hopewell 1.8 S	FL	Mesonet	9.34
Trained Spotter	FL	Mesonet	8.71
Steinhatchee	FL	SRWMD	8.18
Goodman Mainline	FL	SRWMD	7.97
Cooks Hammock	FL	SRWMD	7.95

Highest NOAA Tide Gage Observations

<i>Station</i>	<i>State</i>	<i>Datum</i>	<i>Water Level (ft)</i>
#N/A			

Lowest 10 Pressures

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Millibars</i>
West Tampa	FL	NDBC	997.3
Valdosta Regional Airport	GA	ASOS	999.3
Shell Point, FL	FL	USF COMPS	999.4
Moody Air Force Base	GA	ASOS	1000.3
St. George Island	FL	WeatherFlow	1000.7
Tyndall AFB Tower C	FL	NDBC	1001.8
Tallahassee International Airport	FL	ASOS	1003.4
Apalachicola Regional Airport	FL	ASOS	1004.1

Report Last Updated on [08/20/2024]:

This is likely the final issuance. The following files have been updated: Water Level and Impacts report