

POST TROPICAL CYCLONE REPORT

Storm Name	Major Hurricane Milton
NWS Office	Melbourne
Begin/End Date	10/8/2024 - 10/11/2024
Fatalities	8 - Direct 8 - Indirect
Tornadoes	19

Event Summary

Major Hurricane Milton made landfall near Siesta Key at 8:30 PM EDT on Wednesday, October 9, 2024 as a category 3 hurricane. Milton approached Florida as an extremely dangerous category 5 hurricane before it encountered increasing wind shear. Despite shear imparting some weakening effect on the storm's winds, Milton's wind field expanded as it approached the Florida Peninsula, extending impacts far and away from the storm's center. Impacts to east central Florida were significant, including a historic tornado outbreak that produced at least 16 confirmed tornadoes and hurricane force wind gusts that downed trees and power lines. Many homes and businesses were damaged. Additionally, on the northern side of Milton, torrential rainfall produced total rainfall amounts of 10 to 15 inches (and higher), leading to localized flooding and rises on area rivers and creeks. Within east central Florida, the St. Johns River peaked within major flood stage at Lake Harney, Deland, and Astor, and moderate flood stage near Sanford. The river crested at a new preliminary record of 4.81 feet at Astor on Saturday, October 12, 2024.

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
FSWN House of Refuge	FL	WeatherSTEM	63	66
Ponce Inlet Town Hall	FL	WeatherSTEM	60	86
FSWN St. Lucie County EOC	FL	WeatherSTEM	56	66
Daytona Beach International Airport	FL	ASOS	54	76
FSWN Indian River Merrill Barber Bridg	FL	WeatherSTEM	51	56
FSWN Okeechobee North	FL	WeatherSTEM	51	57
Orlando International Airport	FL	ASOS	49	76
Poinciana High School	FL	WeatherSTEM	49	54
FSWN Jensen Beach Oceanfront	FL	WeatherSTEM	49	58
Cape Canaveral Space Force Station Ski	FL	AWOS	48	64

* 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 0003	Other Federa	54	74
Buoy 41069 - Ponce de Leon Inlet FL (P IOOS Partner)	Other Federa	51	76
KSC/CCSFS WINDS Tower 0313	Other Federa	51	72
Titusville Parrish Park North	WxFlow	50	66
KSC/CCSFS WINDS Tower 0002	Other Federa	50	70
KSC/CCSFS WINDS Tower 0110	Other Federa	48	74
Banana River at 520	WxFlow	46	66
KSC/CCSFS WINDS Tower 0803	Other Federa	46	74
KSC/CCSFS WINDS Tower 0403	Other Federa	45	68
KSC/CCSFS WINDS Tower 0412	Other Federa	45	76

* Anemometer heights < 20 m

Highest 10 Rainfall Totals

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Inches</i>
Ormond Beach 2.0 ENE	FL	COCORAHS	16.52
Lake Helen 0.9 S	FL	COCORAHS	15.95
Port Orange 0.2 NNW	FL	COCORAHS	15.79
Mount Plymouth	FL	COOP	15.23
De Bary 1.7 NE	FL	COCORAHS	14.98
Ormond Beach 4.1 ESE	FL	COCORAHS	14.85
Orlando West	FL	COOP	14.83
Port Orange 0.8 NNW	FL	COCORAHS	14.71
Deltona 2.6 SSW	FL	COCORAHS	14.08
Oviedo 3.2 NNE	FL	COCORAHS	13.56

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	2.52

Lowest 10 Pressures (MSLP)

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Millibars</i>
Poinciana High School	FL	WeatherSTEM	973.0
Reedy Lake	FL	WxFlow	975.9
FSWN Holopaw Community Center	FL	WeatherSTEM	976.7
Cape Canaveral Space Force Station Ski	FL	AWOS	976.9
Disney Safety Demo	FL	WxFlow	976.9
Trident Pier, Port Canaveral, FL	FL	NOS	977.2
Cocoa Beach Club	FL	WxFlow	977.5
Dairy Road, Melbourne	FL	WxFlow	977.5
FSWN Brevard Port Canaveral	FL	WeatherSTEM	977.8
Banana River at 520	FL	WxFlow	978.3

Report Last Updated on 10/25/2024:

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

Remarks:

Additional updates may be needed to capture additional tornado assessments.