

POST TROPICAL CYCLONE REPORT

Storm Name	Milton
NWS Office	Charleston, SC
Begin/End Date	10/09/2024 - 10/10/2024
Fatalities	0 - Direct 0 - Indirect
Tornadoes	0

Event Summary

Hurricane Milton rapidly deepened over the southwest Gulf of Mexico, going from a tropical storm late in the night of October 5, to a Category Five hurricane by early in the afternoon of October 7 (about 27 hours!). Given the forecast from NHC was always for the storm to make landfall over the West-Central Florida coast, then move offshore of the East-Central Florida Coast, well south of our area into the Atlantic on October 10, our primary impact concerns were elevated tides and dangerous marine conditions. Despite days of northeast winds prior to the event, and then 12-24 hours of Tropical Storm Force winds over our Atlantic waters on October 10, the afternoon high tides on October 10 failed to even reach Coastal Flood Advisory levels. Tropical storm force wind/wind gusts were confined to the immediate coast, Atlantic waters and near the entrance of Charleston Harbor, with the highest winds beginning late night on October 9 over our southern area, and then advancing northward across the rest of our coast and Atlantic waters on October 10. Milton remained about 200 miles south of our area as it accelerated east-northward, away from the area, over the Atlantic. No significant rainfall was reported or expected. There were also no reports of any wind damage. It was suspected that there was at least minor to moderate beach erosion over our entire coastline, but no direct reports were received.

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>
Tybee North	GA	WxFlow	28	37
Hilton Head Airport	SC	AWOS	22	35
Charleston Airport	SC	ASOS	20	34

* Anemometer heights < 20 m

Highest 10 Marine Winds (kts)*

<i>Station</i>	<i>Type</i>	<i>Sustained</i>	<i>Gust</i>
Savannah Entrance Light	WxFlow	37	45
Grays Reef Buoy	NDBC	37	47
Edisto Buoy	NDBC	35	47
Charleston Wave Buoy (CHR60)	CORMP	35	49
Capers Nearshore SC (CAP2)	CORMP	33	45
Calibogue Sound	WxFlow	31	39
Shutes Folly	WxFlow	28	36
Fort Sumter	WxFlow	27	36
Fripp Nearshore SC (FRP2)	CORMP	27	43

* Anemometer heights < 20 m

Highest 10 Rainfall Totals

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Inches</i>
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Highest NOAA Tide Gage Observations

<i>Station</i>	<i>State</i>	<i>Datum</i>	<i>Water Level (ft)</i>
Charleston	SC	MHHW	1.19
Fort Pulaski	GA	MHHW	1.19

Lowest 10 Pressures

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Millibars</i>
Grays Reef Buoy		NDBC	1003.7
Tybee North	GA	WxFlow	1004.8
Savannah Entrance Light		WxFlow	1005.0
Calibogue Sound		WxFlow	1006.0
Edisto Buoy		NDBC	1006.6
Charleston Wave Buoy (CHR60)		CORMP	1007.4
Fort Sumter		WxFlow	1007.7
Fripp Nearshore SC (FRP2)		CORMP	1007.7
Shutes Folly		WxFlow	1007.8
Capers Nearshore SC (CAP2)		CORMP	1008.2

Report Last Updated on 10/14/2024:

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