

# POST TROPICAL CYCLONE REPORT

<b>Storm Name</b>	Potential Tropical Cyclone 8
<b>NWS Office</b>	Charleston, SC
<b>Begin/End Date</b>	09/15/2024 - 09/16/2024
<b>Fatalities</b>	0 - Direct 0 - Indirect
<b>Tornadoes</b>	0

## Event Summary

This system began as an extra-tropical low center off the SC coast sometime on September 14. By the early morning of September 15, a Gale Warning was issued by the National Weather Service Office in Charleston, SC for the Charleston County nearshore Atlantic waters. The National Hurricane Center (NHC) designated this system as Potential Tropical Storm 8 (PTC8) by 5 pm on September 15, with a Tropical Storm Warning being issued for the Charleston County nearshore Atlantic waters, as well as Charleston and Berkeley Counties, in SC. Ultimately, this storm never became a tropical system as the elongated center moved slowly northwestward, reaching the Grand Strand coast of SC by late in the afternoon on September 16. Tropical storm force wind/wind gusts were confined to the marine waters and immediate coastal locations, which were occurring before the system was designated as PTC8. Tides were elevated for several days before and after the event. Tides reached high end moderate levels on the evening of September 15, while the center of storm circulation was east-southeast of the Charleston, SC area. There were also significant beach erosion reported along the Charleston County, SC coast.

*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>
Isle of Palms Pier	SC	WxFlow	26	39
Charleston Executive Airport	SC	AWOS	25	36
Tybee North	GA	WxFlow	25	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	34	40
Capers Nearshore SC (CAP2)	CORMP	33	45
Charleston Wave Buoy (CHR60)	CORMP	33	47
Edisto Buoy	NDBC	31	41
Fripp Nearshore SC (FRP2)	CORMP	29	41
Shutes Folly	WxFlow	28	38
Fort Sumter	WxFlow	28	36
Grays Reef Buoy	NDBC	27	35
Calibogue Sound	WxFlow	25	35

\* Anemometer heights < 20 m

### Highest 10 Rainfall Totals

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Inches</i>
No significant rainfall			

### Highest NOAA Tide Gage Observations

<i>Station</i>	<i>State</i>	<i>Datum</i>	<i>Water Level (ft)</i>
Fort Pulaski	GA	MHHW	2.13
Charleston	SC	MHHW	1.99

### Lowest 10 Pressures

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Millibars</i>
Edisto Buoy	SC	NDBC	1009.6

Shutes Folly	SC	WxFlow	1010.8
Tybee North	GA	WxFlow	1010.9
Savannah Entrance Light	GA	WxFlow	1011.0
Fort Sumter	SC	WxFlow	1011.0
Charleston Wave Buoy (CHR60)	SC	CORMP	1011.2
Grays Reef Buoy	GA	NDBC	1011.4
Isle of Palms Pier	SC	WxFlow	1011.5
Capers Nearshore SC (CAP2)	SC	CORMP	1011.6
Fripp Nearshore SC (FRP2)	SC	CORMP	1011.9

***Report Last Updated on 09/18/2024***

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