

POST TROPICAL CYCLONE REPORT

Storm Name	Helene
NWS Office	Charleston, SC
Begin/End Date	09/24/2024 - 09/27/2024
Fatalities	1 - Direct 0 - Indirect
Tornadoes	8

Event Summary

Hurricane Helene made landfall as a Category 4 storm in the Florida Big Bend region west-southwest of Perry, Florida during the late evening of September 26. Helene then continued moving quickly northward into northeast Georgia by Friday morning, and across eastern Tennessee into central Kentucky by Friday evening, where it weakened to below tropical storm strength. The very large wind field associated with Helene produced widespread tropical storm force winds/wind gusts across most of southeast Georgia and southeast South Carolina during the evening and overnight hours of September 26-27. A few hurricane force wind gusts were also observed. The tropical storm force winds produced widespread tree damage and power outages with a few counties in southeast Georgia and southeast South Carolina reporting near 100 percent power outages. Additionally, conditions along the eastern side of the track of Helene were very conducive to tropical tornadoes, with numerous tornado warnings issued and several tornadoes confirmed across the region.

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 South	GA	WxFlow	49	61
Savannah Airport	GA	ASOS	44	66
Reidsville Municipal Airport	GA	AWOS	41	69
Sapelo Island Reserve	GA	NERRS	40	57
Beaufort	SC	WxFlow	39	48
Isle of Palms Pier	SC	WxFlow	38	48
Sullivan's Island	SC	WxFlow	37	50
Tybee North	GA	WxFlow	34	52
Beaufort MCAS	SC	ASOS	34	65
Charleston	SC	WxFlow	32	48

* 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	54	68
Shutes Folly	WxFlow	44	56
Calibogue Sound	WxFlow	43	59
Grays Reef Buoy	NDBC	43	62
Fort Sumter	WxFlow	42	53
Edisto Buoy	NDBC	35	49
Capers Nearshore SC (CAP2)	CORMP	35	52
Fripp Nearshore SC (FRP2)	CORMP	35	56
Charleston Wave Buoy (CHR60)	CORMP	35	52

* Anemometer heights < 20 m

Highest 10 Rainfall Totals

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Inches</i>
Hampton/Varnville Meteorological Sta	SC	USGS	8.69
Hampton 0.2 SW	SC	CoCoRaHS	8.15
Hampton 0.8 SW	SC	CoCoRaHS	7.80
Hampton 2.7 WNW	SC	CoCoRaHS	7.33
Furman - Youmans Farm	SC	SCAN	7.21
Abercorn Creek near Savannah (At Moi	GA	USGS	6.73
Hunter Army Airfield	GA	ASOS	6.55
Lodge 3.4 SW	SC	CoCoRaHS	6.41
Middle River at Port Wentworth (Fish F	GA	USGS	6.01
Savannah River near Port Wentworth (GA	USGS	5.99

Highest NOAA Tide Gage Observations

<i>Station</i>	<i>State</i>	<i>Datum</i>	<i>Water Level (ft)</i>
Fort Pulaski	GA	MHHW	2.34
Charleston	SC	MHHW	2.26

Lowest 10 Pressures

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Millibars</i>
Savannah Entrance Light		WxFlow	987.7
Savannah Airport	GA	ASOS	989.7
Hunter Army Airfield	GA	ASOS	990.4
Calibogue Sound		WxFlow	991.9
Sapelo Island Reserve	GA	NERRS	991.9
Tybee South	GA	WxFlow	992.6
Hinesville	GA	AWOS	992.8
Tybee North	GA	WxFlow	992.9
Beaufort	SC	WxFlow	993.5
Grays Reef Buoy		NDBC	993.6

Report Last Updated on 10/01/2024:

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