

POST TROPICAL CYCLONE REPORT

Storm Name	Potential Tropical Cyclone #8
NWS Office	Wilmington, NC (ILM)
Begin/End Date	09/15/2024 - 09/17/2024
Fatalities	0 - Direct 1 - Indirect
Tornadoes	1

Event Summary

Potential Tropical Cyclone #8 offshore the SC coast was classified by the National Hurricane Center on September 15 and a Tropical Storm Warning was issued for the entire coast of southeast NC and northeast SC at that time. The system slowly moved toward the coast but never became organized enough to be classified as a tropical (or subtropical) cyclone, eventually moving inland around the NC/SC border on September 16. The system brought historic rainfall amounts and extensive flash flooding to portions of southeast North Carolina. In addition, tropical storm force gusts, minor to moderate coastal flooding, and 1 tornado occurred.

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>
Wilmington	NC	ASOS	36	52
Murrells Inlet	SC	WxFlow	33	41
Lumberton	NC	ASOS	29	44
Lockwoods Folly Inlet	NC	WxFlow	27	37
Florence	SC	ASOS	26	41
Myrtle Beach	SC	AWOS	23	32
Georgetown	SC	AWOS	22	31
Darlington	SC	AWOS	22	31
Georgetown	SC	WxFlow	21	35
Marion	SC	AWOS	20	31

* Anemometer heights < 20 m

Highest 10 Marine Winds (kts)*

<i>Station</i>	<i>Type</i>	<i>Sustained</i>	<i>Gust</i>
Wrightsville Beach Johnnie Mercers Pier	NOS	50	58
Masonboro Island	CORMP	39	56
Wrightsville Beach Nearshore	NDBC	35	51
Wrightsville Beach Offshore	NDBC	35	49
Frying Pan Shoals	NDBC	35	49
Myrtle Beach Springmaid Pier	NOS	32	37
Sunset Beach Nearshore	NDBC	31	39
Masonboro Island North	CORMP	27	43

* Anemometer heights < 20 m

Highest 10 Rainfall Totals

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Inches</i>
Southport 1.1 NNW	NC	CoCoRaHS	19.00
Bolivia 7.6 SW	NC	CoCoRaHS	17.85
Sunny Point	NC	RAWS	15.42
Southport 5.7 W	NC	CoCoRaHS	14.96
Green Swamp	NC	RAWS	14.57
Green Swamp	NC	HADS	9.80
1 W Holden Beach	NC	COCORAHS	8.70
Elizabethtown 4.5 ENE	NC	COCORAHS	7.32
Wilmington 1.3 W	NC	COCORAHS	6.82
Bolivia	NC	CWOP	6.73

Highest NOAA Tide Gage Observations

<i>Station</i>	<i>State</i>	<i>Datum</i>	<i>Water Level (ft)</i>
Wrightsville Beach	NC	MHHW	2.55
Wilmington	NC	MHHW	2.43
Myrtle Beach	SC	MHHW	2.27

Lowest 10 Pressures (MSLP)

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Millibars</i>
Lake Arrowhead	SC	WxFlow	1003.1
Frying Pan Shoals		NDBC	1004.8
Oak Island	NC	WxFlow	1005.9
Sunset Beach Nearshore		NDBC	1006.0
North Myrtle Beach	SC	ASOS	1006.1
Wrightsville Beach Nearshore		NDBC	1006.1
Lockwoods Folly Inlet	NC	WxFlow	1006.7
Murrells Inlet	SC	WxFlow	1006.7
Masonboro Island		CORMP	1006.7
Myrtle Beach	SC	AWOS	1007.1

Report Last Updated on 09/20/2024:

This is the initial issuance. The following files have been updated: Summary, Wind and Pressure, Rainfall, Water Level, Tornadoes and Impact Narratives.

Remarks:

We are still reviewing rainfall data so some updates are possible.