

# POST TROPICAL CYCLONE REPORT

<b>Storm Name</b>	Hurricane Erin
<b>NWS Office</b>	Newport/Morehead City, NC
<b>Begin/End Date</b>	8/18/2025 - 8/22/2025
<b>Fatalities</b>	0 - Direct 0 - Indirect
<b>Tornadoes</b>	0

## Event Summary

Hurricane Erin made its closest approach to the North Carolina coast during the morning hours of Thursday, August 21st, 2025 as a category 2. While the center of the hurricane remained around 200 miles east of Cape Hatteras, Erin was so large that damaging ocean overwash and storm surge impacted Hatteras and Ocracoke Islands, and caused additional minor ocean overwash along ocean areas to the north and to the south, and minor soundside flooding on Hatteras and Ocracoke Islands, as well as Downeast Carteret County. Additional impacts included dangerous rip currents on Eastern NC beaches, and tropical storm force gusts along the Outer Banks. Erin brought no rainfall or tornado impacts.

*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>
Avon-Sound	NC	Mesonet	34
Waves	NC	Mesonet	30
Hatteras High	NC	Mesonet	30
Oregon Inlet	NC	Mesonet	29
Kites Resort	NC	Mesonet	29
Manteo Airport	NC	AWOS-3	28
Piney Island - BT11 Bombing Range	NC	ASOS	25
Croatan Sound	NC	Mesonet	25
Dare County Gunnery Range	NC	ASOS	23
Buxton	NC	Mesonet	23

\* Anemometer heights < 20 m

**Highest 10 Land Gusts (kts)\***

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Gust</i>
Avon-Sound	NC	Mesonet	43
Hatteras High	NC	Mesonet	42
Waves	NC	Mesonet	41
Oregon Inlet	NC	Mesonet	40
Kites Resort	NC	Mesonet	40
Croatan Sound	NC	Mesonet	40
Manteo Airport	NC	AWOS-3	38
Buxton	NC	Mesonet	38
Billy Mitchell Field	NC	ASOS	37
Dare County Gunnery Range	NC	ASOS	37

\* Anemometer heights < 20 m

**Highest 10 Marine Winds (kts)\***

<i>Station</i>	<i>Type</i>	<i>Sustained</i>
Jennettes Pier	Mesonet	40
Alligator River Bridge	Mesonet	36
Pamlico Sound	Mesonet	35
Real Slick	Mesonet	32
Ocracoke Sound	Mesonet	32
Avon-Ocean	Mesonet	31
Cape Lookout	NDBC	23

\* Anemometer heights < 20 m

**Highest 10 Marine Gusts (kts)\***

<i>Station</i>	<i>Type</i>	<i>Gust</i>
Jennettes Pier	Mesonet	48
Pamlico Sound	Mesonet	44
Alligator River Bridge	Mesonet	44
Avon-Ocean	Mesonet	42
Real Slick	Mesonet	40
Ocracoke Sound	Mesonet	40
Cape Lookout	NDBC	32

\* Anemometer heights < 20 m

### Highest 10 Rainfall Totals

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Inches</i>
#N/A			

### Highest NOAA Tide Gage Observations

<i>Station</i>	<i>State</i>	<i>Datum</i>	<i>Water Level (ft)</i>
Atlantic Coast at Duck	NC	MHHW	3.36
Pamlico Sound at Coast Guard Hatteras	NC	MHHW	2.39
Atlantic Coast at Beaufort Marine Lab	NC	MHHW	2.02
Pamlico Sound at Oregon Inlet Marina	NC	MHHW	1.44

### Lowest 10 Pressures (MSLP)

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Millibars</i>
Diamond Shoals		NDBC	996.9
Buxton	NC	Mesonet	997.2
Hatteras High	NC	Mesonet	997.9
Kites Resort	NC	Mesonet	998.0
Waves	NC	Mesonet	998.5
Avon-Sound	NC	Mesonet	998.8
Oregon Inlet	NC	Mesonet	998.9
Pamlico Sound		Mesonet	999.0
Avon-Ocean		Mesonet	999.0
Billy Mitchell Field	NC	ASOS	999.5

***Report Last Updated on [MM/DD/YYYY]:***

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

**Remarks:**

No tornadoes occurred across eastern North Carolina during Hurricane Erin, and no areas saw rainfall totals in excess of 3 inches. Therefore, those sections are not included in this PSH.