

POST TROPICAL CYCLONE REPORT

Storm Name	Tropical Storm Ophelia
NWS Office	Baltimore/Washington D.C.
Begin/End Date	09/23/2023 - 09/25/2023
Fatalities	0 - Direct 0 - Indirect
Tornadoes	0

Event Summary

Tropical Storm Ophelia made landfall in Emerald Isle, North Carolina on the morning of Saturday September 23rd, 2023 with sustained wind speeds of 70mph. Ophelia then tracked northward into eastern North Carolina before pushing into southeastern VA Saturday night and losing its tropical characteristics. Areas along and east of I-95 felt the brunt of the impact, with wind speeds of up to 50-55 mph, mainly over the waters of the Chesapeake Bay. Areas along the shore saw 2-3 foot storm surge, which resulted in moderate coastal flooding in spots. Additionally, some areas along the I-95 corridor received 3 to 5 inches of rainfall.

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>
Point Lookout	MD	Weatherflow	33	44
Martin State Airport	VA	AWOS	27	35
Sandy Point	MD	Weatherflow	26	40
Piney Point, MD	MD	NOS	26	35
Solomons Island, MD	MD	NOS	26	35
Quantico Marine Corps Airfield - Turner Field	VA	AWOS	25	39
Ronald Reagan National Airport	VA	ASOS	24	37
Tower 70	VA	Weatherflow	23	32
Hart/Miller	MD	Weatherflow	23	44
Baltimore-Washington International Airport	MD	ASOS	22	32

* Anemometer heights < 20 m

Highest 10 Marine Winds (kts)*

<i>Station</i>	<i>Type</i>	<i>Sustained</i>	<i>Gust</i>
Thomas Point, MD	NDBC	35	41
Gooses Reef Buoy	CBIBS	35	49
Patapsco Buoy	CBIBS	35	47
Lower Potomac Buoy	CBIBS	33	45
Saunders Point Light	Weatherflow	32	44
Tolly Point	Weatherflow	32	41
Grove Point Range Front Light	Weatherflow	32	41
Francis Scott Key Bridge N.E. Tower, MD	NOS	31	40
Annapolis Buoy	CBIBS	31	39
Cobb Point	Weatherflow	30	41

* Anemometer heights < 20 m

Highest 10 Rainfall Totals

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Inches</i>
4 N Spotsylvania Court	VA	Trained Spotter	4.54
2 E Holly Corner	VA	Trained Spotter	4.50
Karo	VA	Trained Spotter	4.19
3 SE Stafford	VA	Trained Spotter	4.15
1 W Ramoth	VA	Trained Spotter	3.90
3 S Prince Frederick	MD	Trained Spotter	3.86
1 ENE Holly Corner	VA	Trained Spotter	3.61
2 E Marlton	MD	Trained Spotter	3.53
Joint Base Andrews	MD	AWOS	3.25
2 ESE Chantilly	VA	CoCoRaHS	3.25

Highest NOAA Tide Gage Observations

<i>Station</i>	<i>State</i>	<i>Datum</i>	<i>Water Level (ft)</i>
Wisconsin Avenue/Georgetown	DC	MHHW	2.70
DC SW Waterfront	DC	MHHW	2.66
Dahlgren	VA	MHHW	2.62
Alexandria Dock	VA	MHHW	2.60
Solomons Island	MD	MHHW	2.34
Annapolis	MD	MHHW	2.31
Fort McHenry	MD	MHHW	2.29
Straits Point	MD	MHHW	2.27
Seneca Creek at Bowleys Quarters	MD	MHHW	2.17
Potomac River at Indian Head	MD	MHHW	2.00

Lowest 10 Pressures

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Millibars</i>
Point Lookout	MD	Weatherflow	1003.8
Monroe Creek	MD	Weatherflow	1004.3
Cobb Point	MD	Weatherflow	1004.3
Potomac Lt 33	MD	Weatherflow	1004.4
Cuckold Creek	MD	Weatherflow	1004.7
Pylons_Dah	MD	Weatherflow	1004.9
Tower 70	VA	Weatherflow	1005.0
Webster Naval Airfield	MD	ASOS	1005.1
Solomons Island, MD	MD	NOS	1005.6
Baber Point	MD	Weatherflow	1005.8

Report Last Updated on [09/28/2023]:

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