

POST TROPICAL CYCLONE REPORT

| | | |
|-----------------------|---------------------------|----------|
| Storm Name | Tropical Storm Idalia | |
| NWS Office | Newport/Morehead City, NC | |
| Begin/End Date | 08/30/2023 - 8/31/2023 | |
| Fatalities | 0 | Direct |
| | 0 | Indirect |
| Tornadoes | | |

Event Summary

After making landfall in Florida, then Hurricane Idalia weakened to a tropical storm as it crossed the southeastern US, re-emerging over the Atlantic off of the coast of the Carolinas. Tropical Storm Idalia brought flooding rains to coastal areas of Eastern North Carolina, with tropical storm force winds and coastal flooding impacts. Dangerous marine conditions prevailed for several days.

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> |
|-----------------------------------|--------------|-------------|------------------|-------------|
| Frisco Woods | NC | Mesonet | 43 | 56 |
| Avon-Sound | NC | Mesonet | 43 | 53 |
| Oregon Inlet CG | NC | Mesonet | 41 | 49 |
| Piney Island - BT11 Bombing Range | NC | ASOS | 40 | 62 |
| Fort Macon | NC | Mesonet | 39 | 53 |
| Hatteras High | NC | Mesonet | 39 | 54 |
| Oregon Inlet | NC | Mesonet | 35 | 46 |
| Kites Resort | NC | Mesonet | 34 | 46 |
| Beaufort Airport | NC | ASOS | 33 | 53 |
| New River Air Station | NC | ASOS | 31 | 43 |

* Anemometer heights < 20 m

Highest 10 Marine Winds (kts)*

| <i>Station</i> | <i>Type</i> | <i>Sustained</i> | <i>Gust</i> |
|------------------|-------------|------------------|-------------|
| Pamlico Sound | Mesonet | 49 | 62 |
| Avon-Ocean | Mesonet | 48 | 58 |
| Cape Lookout | NDBC | 44 | 53 |
| USCG Hatteras | NOS | 44 | 56 |
| Diamond Shoals | NDBC | 43 | 60 |
| Onslow Bay Outer | CORMP | 39 | 54 |
| Duck | NOS | 39 | 45 |
| Real Slick | Mesonet | 39 | 51 |
| Beaufort | NOS | 36 | 52 |
| Oregon Inlet | NOS | 28 | 42 |

* Anemometer heights < 20 m

Highest 10 Rainfall Totals

| <i>Station</i> | <i>State</i> | <i>Type</i> | <i>Inches</i> |
|---------------------|--------------|-------------|---------------|
| Beaufort 0.5 W | NC | COCORAHS | 10.26 |
| Beaufort 3.4 NNW | NC | COCORAHS | 9.28 |
| Cedar Island RAWS | NC | RAWS | 8.73 |
| Beaufort 6.3 NNW | NC | COCORAHS | 8.70 |
| Ocracoke 0.6 SW | NC | COCORAHS | 8.51 |
| Beaufort 5.3 N | NC | COCORAHS | 8.50 |
| Jacksonville 1.0 NW | NC | COCORAHS | 8.03 |
| Jacksonville 4.5 NW | NC | COCORAHS | 8.02 |
| Beaufort 1.5 NNW | NC | COCORAHS | 7.91 |
| Beaufort 3.8 N | NC | COCORAHS | 7.77 |

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 | 2.83 |
| Pamlico Sound at Coast Guard Hatteras | NC | MHHW | 2.58 |
| Atlantic Coast at Beaufort Marine Lab | NC | MHHW | 1.79 |
| Pamlico Sound at Oregon Inlet Marina | NC | MHHW | 0.85 |

Lowest 10 Pressures

| <i>Station</i> | <i>State</i> | <i>Type</i> | <i>Millibars</i> |
|-----------------------|--------------|-------------|------------------|
| Pamlico Sound | | Mesonet | 992.8 |
| Fort Macon | NC | Mesonet | 993.4 |
| Onslow Bay Outer | | CORMP | 994.8 |
| Frisco Woods | NC | Mesonet | 995.2 |
| Kites Resort | NC | Mesonet | 995.3 |
| Hatteras High | NC | Mesonet | 995.4 |
| Beaufort | | NOS | 995.4 |
| New River Air Station | NC | ASOS | 995.8 |
| Cape Lookout | | NDBC | 995.9 |
| Beaufort Airport | NC | ASOS | 996.0 |

Report Last Updated on 11/26/2023:

The following files have been updated: Rainfall