

# POST TROPICAL CYCLONE REPORT

|                       |                            |
|-----------------------|----------------------------|
| <b>Storm Name</b>     | Debby                      |
| <b>NWS Office</b>     | Wilmington, NC (ILM)       |
| <b>Begin/End Date</b> | 08/05/2024 - 08/09/2024    |
| <b>Fatalities</b>     | 0 - Direct<br>1 - Indirect |
| <b>Tornadoes</b>      | 3                          |

## Event Summary

Tropical Storm Debby meandered near the central and southern portions of the South Carolina coast August 6-7 before moving inland along the central South Carolina coast early on August 8. Debby then continued northward across eastern South Carolina bringing heavy rain and flash flooding, several tropical storm force wind gusts, and a few tornadoes to northeastern South Carolina and southeastern North Carolina. Although the storm weakened below tropical depression strength on August 8, it continued to help cause heavy rainfall, flash flooding and eventually significant river flooding to the area even well after August 9.

*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> |
|-------------------------------|--------------|-------------|------------------|-------------|
| Winyah Bay Range A Rear Light | SC           | WxFlow      | 35               | 46          |
| Murrells Inlet                | SC           | WxFlow      | 33               | 41          |
| Oak Island                    | NC           | WxFlow      | 31               | 38          |
| Lockwoods Folly Inlet         | NC           | WxFlow      | 30               | 38          |
| Lumberton                     | NC           | ASOS        | 27               | 40          |
| Bennettsville                 | SC           | AWOS        | 26               | 38          |
| North Myrtle Beach            | SC           | ASOS        | 26               | 42          |
| Wilmington                    | NC           | ASOS        | 26               | 44          |
| Myrtle Beach                  | SC           | AWOS        | 24               | 35          |
| Georgetown                    | SC           | WxFlow      | 23               | 37          |

\* Anemometer heights < 20 m

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

| <i>Station</i>                          | <i>Type</i> | <i>Sustained</i> | <i>Gust</i> |
|---|-------------|------------------|-------------|
| Myrtle Beach Springmaid Pier            | NOS         | 38               | 43          |
| Wrightsville Beach Johnnie Mercers Pier | NOS         | 36               | 45          |
| Frying Pan Shoals                       | NDBC        | 35               | 40          |
| Sunset Beach Nearshore                  | NDBC        | 29               | 41          |
| Wrightsville Beach Nearshore            | NDBC        | 27               | 39          |
| Masonboro Island                        | CORMP       | 25               | 38          |

\* Anemometer heights < 20 m

**Highest 10 Rainfall Totals**

| <i>Station</i>          | <i>State</i> | <i>Type</i> | <i>Inches</i> |
|-------------------------|--------------|-------------|---------------|
| Waccamaw River          | SC           | HADS        | 19.03         |
| Loris                   | SC           | AWS         | 17.04         |
| Leland                  | NC           | CWOP        | 15.75         |
| LNJ Bridge Kingstree    | SC           | HADS        | 15.71         |
| Little River            | SC           | AWS         | 15.61         |
| Shalotte Fire Station   | NC           | CWOP        | 15.27         |
| Bucksport 2 N           | SC           | AWS         | 15.11         |
| Spring Gully Georgetown | SC           | CWOP        | 15.02         |
| Kingstree               | SC           | RAWS        | 14.93         |
| Lumber River State Park | NC           | NWSLI       | 14.60         |

**Highest NOAA Tide Gage Observations**

| <i>Station</i>     | <i>State</i> | <i>Datum</i> | <i>Water Level (ft)</i> |
|--------------------|--------------|--------------|-------------------------|
| Wilmington         | NC           | MHHW         | 1.56                    |
| Wrightsville Beach | NC           | MHHW         | 0.99                    |
| Myrtle Beach       | SC           | MHHW         | 0.95                    |

**Lowest 10 Pressures**

| <i>Station</i>                | <i>State</i> | <i>Type</i> | <i>Millibars</i> |
|-------------------------------|--------------|-------------|------------------|
| Georgetown                    | SC           | WxFlow      | 993.5            |
| Lake Arrowhead                | SC           | WxFlow      | 994.4            |
| Winyah Bay Range A Rear Light | SC           | WxFlow      | 994.5            |
| Murrells Inlet                | SC           | WxFlow      | 994.6            |
| Florence                      | SC           | ASOS        | 995.7            |
| Myrtle Beach Springmaid Pier  |              | NOS         | 996.2            |
| Myrtle Beach                  | SC           | AWOS        | 996.3            |
| Darlington                    | SC           | AWOS        | 996.5            |
| Sunset Beach Nearshore        |              | NDBC        | 997.2            |
| North Myrtle Beach            | SC           | ASOS        | 997.3            |

***Report Last Updated on 09/08/2024:***

The following files have been updated: Wind and Pressure.

**Remarks:**

Rainfall data is from 12 UTC (8 AM EDT) 8/5/24 to 12 UTC (8 AM EDT) 8/9/24 even though Debby became a non-tropical low pressure system prior to the end of the period.