

# Tropical Storm Bertha Post-Storm Analysis Weatherstem Network Data



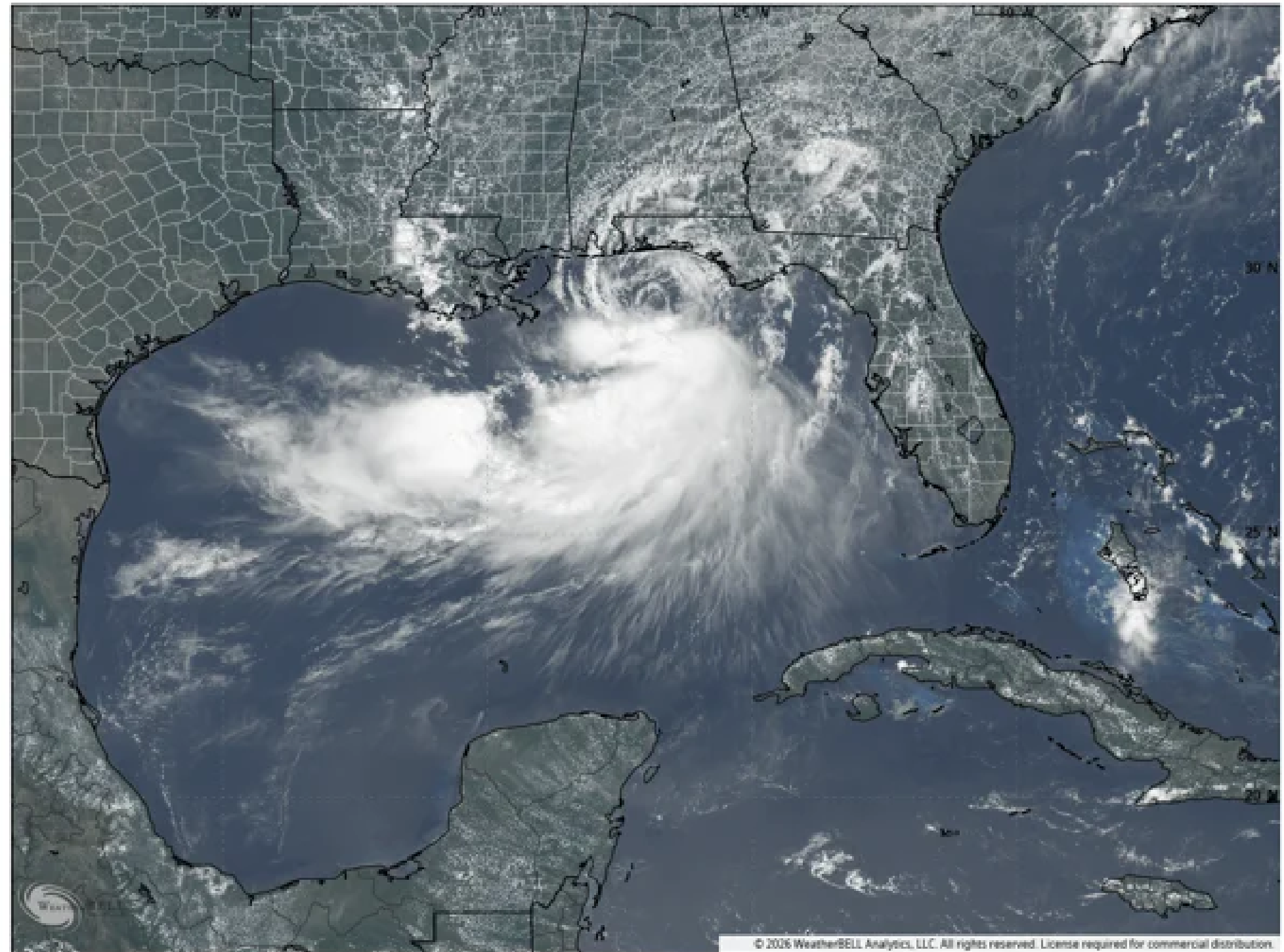


# History

- Tropical Depression Two formed on 7/19/26 at 10 am CDT
- Strengthened into Tropical Storm Bertha on 7/20/26 at 7 pm CDT with 40 mph winds
- Peaked at 60 mph on 7/21/26
- Landfall on 7/22/26 near Biloxi Wildlife Management Area in St Bernard Parish, LA with 45 mph winds

GOES - East [CONUS] 0.005° • GOES True Color

Valid: 1843z Tue 21 Jul 2026



# Peak Gusts: Florida Weatherstem Stations



| County     | Value (mph) | Station                                  | Date             |
|------------|-------------|------------------------------------------|------------------|
| Escambia   | 51          | <u>Pensacola Beach</u>                   | 7/21/26 3:30 PM  |
| Santa Rosa | 48          | <u>Navarre Science Station</u>           | 7/21/26 3:19 PM  |
| Okaloosa   | 44          | <u>Crestview High School</u>             | 7/21/26 3:06 PM  |
| Walton     | 43          | <u>Choctaw Beach</u>                     | 7/21/26 4:22 PM  |
| Washington | 27          | <u>Washington Co EOC</u>                 | 7/21/26 3:57 PM  |
| Bay        | 54          | <u>Gulf State College</u>                | 7/21/26 2:30 PM  |
| Gulf       | 41          | <u>Gulf State College - Port St. Joe</u> | 7/21/26 11:05 AM |
| Jackson    | 36          | <u>Graceville High</u>                   | 7/22/26 4:38 PM  |
| Franklin   | 50          | <u>St George Island</u>                  | 7/21/26 6:22 AM  |
| Liberty    | 23          | <u>Liberty EOC</u>                       | 7/21/26 3:49 PM  |
| Gadsden    | 23          | <u>TSC Gadsden Center</u>                | 7/22/26 12:21 PM |

| County       | Value (mph) | Station                              | Date             |
|--------------|-------------|--------------------------------------|------------------|
| Wakulla      | 50          | <u>Wakulla Shell Point Beach</u>     | 7/21/26 4:40 PM  |
| Leon         | 33          | <u>FSU Rec Sportsplex</u>            | 7/21/26 3:32 PM  |
| Jefferson    | 28          | <u>Waukeenah</u>                     | 7/21/26 3:26 PM  |
| Taylor       | 31          | <u>Steinhatchee</u>                  | 7/21/26 12:32 PM |
| Dixie        | 41          | <u>Horseshoe Beach</u>               | 7/21/26 8:39 AM  |
| Levy         | 45          | <u>Cedar Key</u>                     | 7/21/26 5:15 PM  |
| Citrus       | 35          | <u>Marine Science Station</u>        | 7/21/26 4:53 PM  |
| Hernando     | 44          | <u>Hernando County Fire Rescue 6</u> | 7/20/26 5:37 PM  |
| Pasco        | 41          | <u>Land o' Lakes West</u>            | 7/20/26 5:26 PM  |
| Hillsborough | 54          | <u>Steinbrenner Field</u>            | 7/20/26 4:42 PM  |
| Pinellas     | 38          | <u>Pinellas EOC</u>                  | 7/20/26 1:21 PM  |

# Peak Gusts: Alabama & Louisiana Weatherstem Stations

| County           | Value (mph) | Station                                                  | Date             |
|------------------|-------------|----------------------------------------------------------|------------------|
| Baldwin, AL      | 37          | <u>Foley Elementary</u>                                  | 7/22/26 12:03 PM |
| St. Charles, LA  | 34          | <u>Willow Ridge Pump Station</u>                         | 7/22/26 6:06 PM  |
| West Baton Rouge | 29          | <u>Port Allen</u>                                        | 7/23/26 4:26 PM  |
| East Baton Rouge | 35          | <u>LSU Tiger Stadium</u>                                 | 7/21/26 10:36 PM |
| Orleans          | 32          | <u>New Orleans City Hall - Central Business District</u> | 7/22/26 4:26 PM  |
| Orleans          | 41          | <u>Loyola University New Orleans Uptown/Audubon</u>      | 7/22/26 6:26 PM  |
| Orleans          | 30          | <u>NOFD Engine 27 - Seventh Ward/St.Roch</u>             | 7/22/26 6:42 PM  |
| Orleans          | 30          | <u>NOFD Engine 16 - Central City</u>                     | 7/22/26 6:18 PM  |
| Orleans          | 45          | <u>Municipal Yacht Harbor - Lakefront</u>                | 7/22/26 6:15 PM  |
| Orleans          | 41          | <u>Harbor Police Headquarters - Irish Channel</u>        | 7/22/26 6:23 PM  |
| Orleans          | 31          | <u>NOFD Engine 12 - Gentilly/Milneburg</u>               | 7/22/26 6:15 PM  |

| County  | Value (mph) | Station                                                 | Date            |
|---------|-------------|---------------------------------------------------------|-----------------|
| Orleans | 43          | <u>Fairgrounds Race Course - Fairgrounds</u>            | 7/22/26 6:30 PM |
| Orleans | 37          | <u>NOFD Engine 36 - New Orleans East</u>                | 7/22/26 6:30 PM |
| Orleans | 31          | <u>NORDC Morris F.X. Jeff</u>                           | 7/22/26 6:13 PM |
| Orleans | 30          | <u>Sr. Park - Algiers</u>                               | 7/22/26 5:58 PM |
| Orleans | 34          | <u>NOPD Stables - City Park</u>                         | 7/22/26 5:38 PM |
| Orleans | 35          | <u>NOFD Rescue Squad 7 - Treme</u>                      | 7/22/26 5:38 PM |
| Orleans | 30          | <u>SWBNO East Bank Water Treatment - Lower 9th Ward</u> | 7/22/26 6:21 PM |
| Orleans | 33          | <u>SWBNO Pumping Station - Little Woods</u>             | 7/22/26 4:05 PM |
| Orleans | 29          | <u>SWBNO West Bank Water Treatment - English Turn</u>   | 7/22/26 3:07 PM |
| Orleans | 42          | <u>Regional Transit Authority - Mid City</u>            | 7/22/26 6:43 PM |

# Marine Impacts



The biggest marine impacts from Bertha were elevated rip current risk and some minor coastal flooding. You can see the double red flags in place signifying the dangers of entering the Gulf.

Santa Rosa Beach  
July 21, 2026  
Wind Gusts: 33 mph

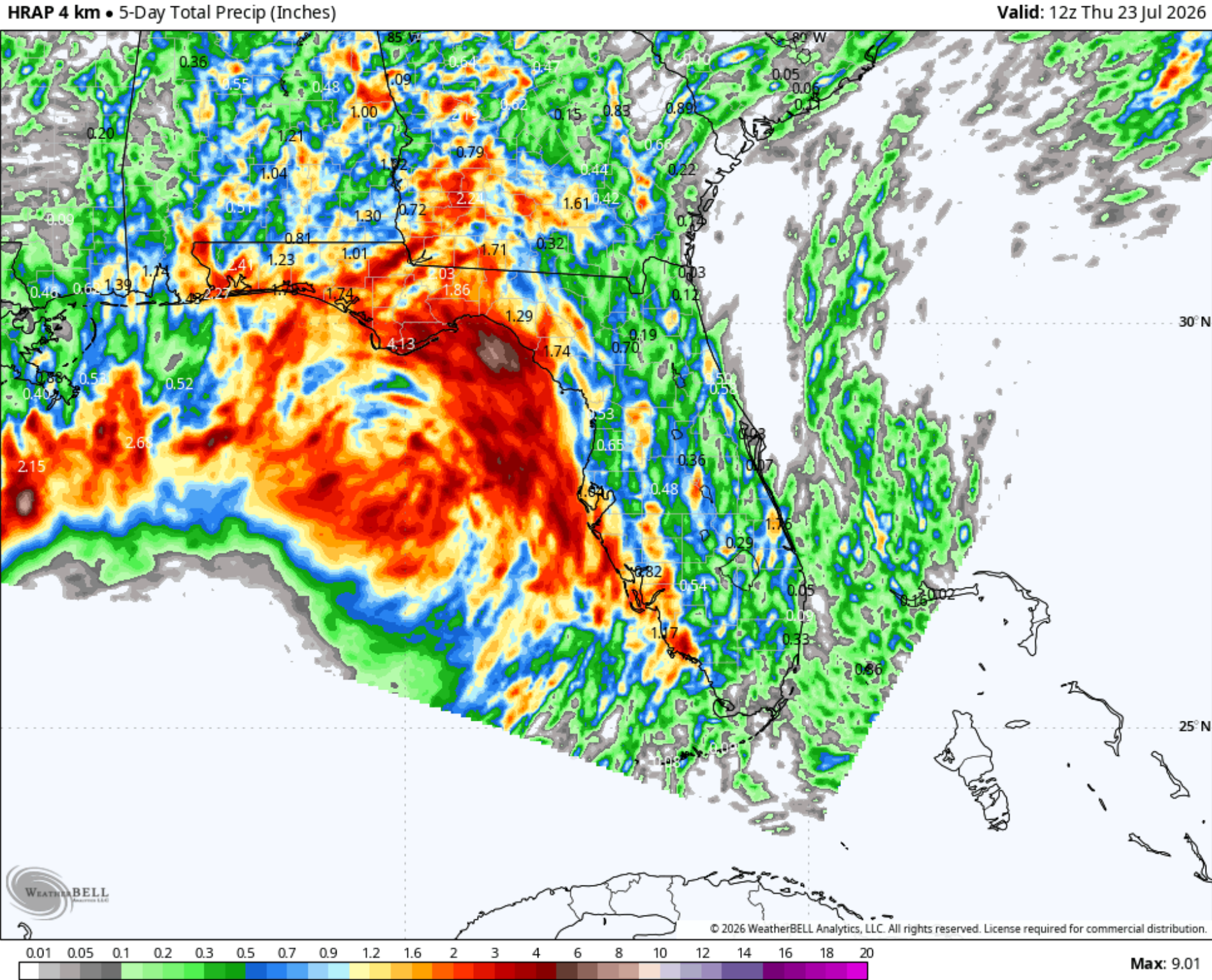
Panama City Beach  
July 22, 2026  
Wind Gusts: 37 mph





# Rainfall

Since most of the convection remained well offshore in the Gulf, the heaviest rain fell there as well. Below are a few select amounts of Florida station that had significant rain.



| County   | Value (inches) | Station                      |
|----------|----------------|------------------------------|
| Gulf     | 2.72"          | Port St. Joe Elementary      |
| Franklin | 5.52"          | St. George Island Lighthouse |
| Wakulla  | 3.73"          | St. Mark's Lighthouse        |
| Taylor   | 5.53"          | Taylor High School           |