

**NATIONAL WEATHER SERVICE INSTRUCTION 10-605**

**MARCH 18, 2025**

**Operations and Services**

**Tropical Cyclone Weather Services Program, NWSPD 10-6**

**TROPICAL CYCLONE OFFICIAL GEOGRAPHIC DEFINING POINTS**

**NOTICE:** This publication is available at: <https://www.weather.gov/directives/>.

**OPR:** W/AFS26 (J. Fieux)

**Certified by:** W/AFS26 (G. Schoor)

**Type of Issuance:** Emergency

**SUMMARY OF REVISIONS:** This directive supersedes NWS Instruction 10-605, *Tropical Cyclone Official Geographic Defining Points*, dated April 2, 2024. The following revisions were made to this directive:

- Changed the Intracoastal City, LA breakpoint to Vermilion/Iberia Parish Line, LA.
- Added Terrebonne/Lafourche Parish Line, LA as a breakpoint.
- Added Plaquemines/St. Bernard Parish Line, LA as a breakpoint.
- Changed the Mexico Beach, FL breakpoint to Bay/Gulf County Line, FL.
- Changed the Flamingo, FL breakpoint to Mainland Monroe/Miami-Dade County Line, FL.
- Changed Marineland, FL breakpoint to St. Johns/Flagler County Line, FL.
- Changed St. Augustine, FL breakpoint to Vilano Beach, FL.
- Changed Ponte Vedra Beach, FL breakpoint to Duval/St. Johns County Line, FL.
- Changed Point Conception, CA breakpoint to Point Arguello, CA.
- Removed Mouth of the Mississippi River, LA breakpoint.
- Removed Lake Pontchartrain, LA breakpoint.
- Removed Lake Maurepas, LA breakpoint.
- Removed East Cape Sable, FL breakpoint.
- Removed Crescent Beach, FL breakpoint.
- Removed Ponce Inlet, FL breakpoint.
- Corrected latitude for East Rockaway Inlet, NY breakpoint to reflect °N.

March 4, 2025

Allison Allen

Date

Director

Analyze, Forecast and Support Office

**OFFICIAL DEFINING POINTS FOR TROPICAL CYCLONE  
WATCHES AND WARNINGS**

\*An asterisk following a breakpoint indicates the use of the breakpoint includes land areas adjacent to the body of water.

**Brownsville, TX**

|                             |         |         |
|-----------------------------|---------|---------|
| Mouth of the Rio Grande, TX | 25.96°N | 97.15°W |
| North of Port Mansfield, TX | 26.59°N | 97.29°W |
| Arroyo City, TX             | 26.41°N | 97.23°W |
| Baffin Bay, TX              | 27.29°N | 97.37°W |

**Corpus Christi, TX**

|                                                          |         |         |
|----------------------------------------------------------|---------|---------|
| Baffin Bay, TX                                           | 27.29°N | 97.37°W |
| North Entrance of the Padre Island National Seashore, TX | 27.47°N | 97.29°W |
| Port Aransas, TX                                         | 27.83°N | 97.07°W |
| Mesquite Bay, TX                                         | 28.06°N | 96.85°W |
| Port O'Connor, TX                                        | 28.39°N | 96.41°W |

**Houston / Galveston, TX**

|                   |         |         |
|-------------------|---------|---------|
| Port O'Connor, TX | 28.39°N | 96.41°W |
| Matagorda, TX     | 28.63°N | 95.93°W |
| Sargent, TX       | 28.77°N | 95.60°W |
| Freeport, TX      | 28.93°N | 95.33°W |
| San Luis Pass, TX | 29.07°N | 95.13°W |
| Port Bolivar, TX  | 29.38°N | 94.76°W |
| High Island, TX   | 29.54°N | 94.39°W |

**Lake Charles, LA**

|                                   |         |         |
|-----------------------------------|---------|---------|
| High Island, TX                   | 29.54°N | 94.39°W |
| Sabine Pass, TX                   | 29.69°N | 93.84°W |
| Cameron, LA                       | 29.78°N | 93.30°W |
| Vermilion/Cameron Parish Line, LA | 29.59°N | 92.61°W |
| Vermilion/Iberia Parish Line, LA  | 29.59°N | 92.04°W |
| Cypremort Point, LA               | 29.72°N | 91.87°W |
| Morgan City, LA                   | 29.48°N | 91.29°W |

**New Orleans / Baton Rouge, LA**

|                                         |         |         |
|-----------------------------------------|---------|---------|
| Morgan City, LA                         | 29.48°N | 91.29°W |
| Terrebonne/Lafourche Parish Line, LA    | 29.27°N | 90.40°W |
| Grand Isle, LA                          | 29.25°N | 89.96°W |
| Plaquemines/St. Bernard Parish Line, LA | 29.66°N | 89.56°W |
| Mouth of Pearl River, LA                | 30.15°N | 89.60°W |
| Bay St. Louis, MS                       | 30.31°N | 89.33°W |
| Ocean Springs, MS                       | 30.40°N | 88.82°W |
| MS / AL Border                          | 30.40°N | 88.40°W |

**Mobile, AL**

|                                     |         |         |
|-------------------------------------|---------|---------|
| MS / AL Border                      | 30.40°N | 88.40°W |
| AL / FL Border                      | 30.27°N | 87.55°W |
| Santa Rosa/Okaloosa County Line, FL | 30.39°N | 86.80°W |
| Okaloosa/Walton County Line, FL     | 30.38°N | 86.40°W |

**Tallahassee, FL**

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|                                            |         |         |
|--------------------------------------------|---------|---------|
| Okaloosa/Walton County Line, FL            | 30.38°N | 86.40°W |
| Walton / Bay County Line, FL               | 30.28°N | 85.98°W |
| Bay/Gulf County Line, FL                   | 29.93°N | 85.39°W |
| Indian Pass, FL                            | 29.68°N | 85.22°W |
| Ochlocknee River, FL                       | 29.96°N | 84.38°W |
| Wakulla/Jefferson County Line, FL          | 30.10°N | 84.08°W |
| Aucilla River, FL                          | 30.09°N | 83.99°W |
| Steinhatchee River, FL                     | 29.67°N | 83.40°W |
| Suwannee River, FL                         | 29.30°N | 83.17°W |
| <b>Tampa Bay Area, FL</b>                  |         |         |
| Suwannee River, FL                         | 29.30°N | 83.17°W |
| Yankeetown, FL                             | 29.03°N | 82.75°W |
| Chassahowitzka, FL                         | 28.70°N | 82.65°W |
| Aripeka, FL                                | 28.43°N | 82.66°W |
| Anclote River, FL                          | 28.18°N | 82.80°W |
| Egmont Key, FL                             | 27.59°N | 82.76°W |
| Anna Maria Island, FL                      | 27.53°N | 82.73°W |
| Middle of Longboat Key, FL                 | 27.39°N | 82.64°W |
| Englewood, FL                              | 26.94°N | 82.37°W |
| Boca Grande, FL                            | 26.75°N | 82.26°W |
| Bonita Beach, FL                           | 26.32°N | 81.84°W |
| <b>Miami, FL (Gulf)</b>                    |         |         |
| Bonita Beach, FL                           | 26.32°N | 81.84°W |
| Chokoloskee, FL.                           | 25.78°N | 81.38°W |
| Mainland Monroe/Miami-Dade County Line, FL | 25.17°N | 80.86°W |
| Card Sound Bridge, FL                      | 25.29°N | 80.37°W |
| <b>Key West, FL</b>                        |         |         |
| Dry Tortugas, FL                           | 24.66°N | 82.86°W |
| Key West, FL                               | 24.55°N | 81.81°W |
| Seven Mile Bridge, FL                      | 24.70°N | 81.15°W |
| Channel 5 Bridge, FL                       | 24.84°N | 80.77°W |
| Ocean Reef, FL                             | 25.33°N | 80.26°W |
| <b>Miami, FL (Atlantic)</b>                |         |         |
| Card Sound Bridge, FL                      | 25.29°N | 80.37°W |
| Miami-Dade/Broward County Line, FL         | 25.98°N | 80.12°W |
| Broward/Palm Beach County Line, FL         | 26.32°N | 80.08°W |
| Palm Beach/Martin County Line, FL          | 26.97°N | 80.08°W |
| <b>San Juan, PR</b>                        |         |         |
| Puerto Rico                                | 18.22°N | 66.44°W |
| Vieques                                    | 18.12°N | 65.43°W |
| Culebra                                    | 18.32°N | 65.28°W |
| Saint Thomas / Saint John                  | 18.33°N | 64.85°W |
| Saint Croix                                | 17.74°N | 64.73°W |
| <b>Melbourne, FL</b>                       |         |         |
| Palm Beach/Martin County Line, FL          | 26.97°N | 80.08°W |
| St. Lucie/Martin County Line, FL           | 27.26°N | 80.20°W |

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|                                              |         |         |
|----------------------------------------------|---------|---------|
| Indian River/St. Lucie County Line, FL       | 27.56°N | 80.32°W |
| Sebastian Inlet, FL                          | 27.86°N | 80.45°W |
| Port Canaveral, FL                           | 28.41°N | 80.59°W |
| Volusia / Brevard County Line                | 28.79°N | 80.73°W |
| Flagler / Volusia County Line                | 29.43°N | 81.11°W |
| <b>Jacksonville, FL</b>                      |         |         |
| Flagler / Volusia County Line                | 29.43°N | 81.11°W |
| St. Johns/Flagler County Line, FL            | 29.67°N | 81.21°W |
| Vilano Beach, FL                             | 29.92°N | 81.30°W |
| Duval/St. Johns County Line, FL              | 30.25°N | 81.38°W |
| Nassau Sound, FL                             | 30.51°N | 81.43°W |
| Mouth of St. Marys River, FL                 | 30.71°N | 81.44°W |
| Saint Andrews Sound, GA                      | 30.99°N | 81.42°W |
| Altamaha Sound, GA                           | 31.29°N | 81.29°W |
| <b>Charleston, SC</b>                        |         |         |
| Altamaha Sound, GA                           | 31.29°N | 81.29°W |
| Saint Catherines Sound, GA                   | 31.71°N | 81.14°W |
| Savannah River, GA                           | 32.03°N | 80.86°W |
| Edisto Beach, SC                             | 32.49°N | 80.32°W |
| South Santee River, SC                       | 33.12°N | 79.27°W |
| <b>Wilmington, NC</b>                        |         |         |
| South Santee River, SC                       | 33.12°N | 79.27°W |
| Murrells Inlet, SC                           | 33.56°N | 79.01°W |
| Little River Inlet, SC                       | 33.85°N | 78.55°W |
| Cape Fear, NC                                | 33.84°N | 77.96°W |
| Surf City, NC                                | 34.44°N | 77.52°W |
| <b>Newport / Morehead City, NC</b>           |         |         |
| Surf City, NC                                | 34.44°N | 77.52°W |
| Bogue Inlet, NC                              | 34.64°N | 77.11°W |
| Beaufort Inlet, NC                           | 34.69°N | 76.67°W |
| Cape Lookout, NC                             | 34.60°N | 76.53°W |
| Ocracoke Inlet, NC                           | 35.06°N | 76.00°W |
| Hatteras Inlet, NC                           | 35.19°N | 75.75°W |
| Cape Hatteras, NC                            | 35.22°N | 75.53°W |
| Oregon Inlet, NC                             | 35.77°N | 75.53°W |
| Duck, NC                                     | 36.23°N | 75.77°W |
| <b>Wakefield, VA</b>                         |         |         |
| Duck, NC                                     | 36.23°N | 75.77°W |
| NC / VA Border                               | 36.55°N | 75.87°W |
| Cape Charles Light, VA                       | 37.12°N | 75.90°W |
| Parramore Island, VA                         | 37.52°N | 75.64°W |
| Chincoteague, VA                             | 37.93°N | 75.32°W |
| Chesapeake Bay, New Point Comfort, VA        | 37.30°N | 76.28°W |
| Chesapeake Bay, Windmill Point, VA           | 37.61°N | 76.28°W |
| Chesapeake Bay, Smith Point, VA              | 37.89°N | 76.24°W |
| Fenwick Island, DE                           | 38.46°N | 75.05°W |
| <b>Baltimore / Washington (Sterling, VA)</b> |         |         |
| Chesapeake Bay, Smith Point, VA              | 37.89°N | 76.24°W |

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|                                     |         |         |
|-------------------------------------|---------|---------|
| Tidal Potomac, Cobb Island, MD      | 38.26°N | 76.84°W |
| Tidal Potomac, Indian Head, MD      | 38.61°N | 77.15°W |
| Tidal Potomac, Key Bridge, MD       | 38.89°N | 77.07°W |
| Chesapeake Bay, Drum Point, MD      | 38.32°N | 76.42°W |
| Chesapeake Bay, North Beach, MD     | 38.70°N | 76.53°W |
| Chesapeake Bay, Sandy Point, MD     | 39.02°N | 76.40°W |
| Chesapeake Bay, Pooles Island, MD   | 39.29°N | 76.27°W |
| <b>Philadelphia / Mt. Holly, NJ</b> |         |         |
| Fenwick Island, DE                  | 38.46°N | 75.05°W |
| Cape Henlopen, DE                   | 38.80°N | 75.09°W |
| Delaware Bay South*                 | 38.95°N | 75.10°W |
| Delaware Bay North*                 | 39.10°N | 75.25°W |
| Cape May, NJ                        | 38.94°N | 74.90°W |
| Great Egg Inlet, NJ                 | 39.29°N | 74.54°W |
| Little Egg Inlet, NJ                | 39.49°N | 74.31°W |
| Manasquan Inlet, NJ                 | 40.10°N | 74.03°W |
| Sandy Hook, NJ                      | 40.46°N | 74.00°W |
| <b>New York City / Upton, NY</b>    |         |         |
| Sandy Hook, NJ                      | 40.46°N | 74.00°W |
| East Rockaway Inlet, NY             | 40.58°N | 73.75°W |
| Fire Island Inlet, LI, NY           | 40.63°N | 73.31°W |
| Moriches Inlet, LI, NY              | 40.77°N | 72.75°W |
| Montauk Point, LI, NY               | 41.07°N | 71.86°W |
| Port Jefferson Harbor, LI, NY       | 40.96°N | 73.08°W |
| Kings Point, NY                     | 40.84°N | 73.75°W |
| Greenwich, CT                       | 41.01°N | 73.62°W |
| New Haven, CT                       | 41.30°N | 72.91°W |
| Watch Hill, RI                      | 41.31°N | 71.86°W |
| <b>Boston / Norton, MA</b>          |         |         |
| Block Island, RI                    | 41.16°N | 71.56°W |
| Martha's Vineyard, MA               | 41.38°N | 70.63°W |
| Nantucket, MA                       | 41.27°N | 70.04°W |
| Watch Hill, RI                      | 41.31°N | 71.86°W |
| Point Judith, RI                    | 41.36°N | 71.48°W |
| Westport, MA                        | 41.50°N | 71.12°W |
| Woods Hole, MA                      | 41.52°N | 70.68°W |
| Chatham, MA                         | 41.67°N | 69.95°W |
| Provincetown, MA                    | 42.06°N | 70.25°W |
| Sagamore Beach, MA                  | 41.80°N | 70.53°W |
| Hull, MA                            | 42.30°N | 70.91°W |
| Gloucester, MA                      | 42.58°N | 70.66°W |
| Merrimack River, MA                 | 42.82°N | 70.84°W |
| <b>Portland / Gray, ME</b>          |         |         |
| Merrimack River, MA                 | 42.82°N | 70.84°W |
| Portsmouth, NH                      | 43.05°N | 70.72°W |
| Cape Elizabeth, ME                  | 43.56°N | 70.19°W |

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|                                                     |         |          |
|-----------------------------------------------------|---------|----------|
| Waldoboro, ME                                       | 44.02°N | 69.36°W  |
| Stonington, ME                                      | 44.16°N | 68.67°W  |
| <b>Caribou, ME</b>                                  |         |          |
| Stonington, ME                                      | 44.16°N | 68.67°W  |
| Petit Manan Point, ME                               | 44.40°N | 67.90°W  |
| Eastport, ME                                        | 44.92°N | 67.00°W  |
| <b>San Diego, CA</b>                                |         |          |
| U.S./Mexico Border                                  | 32.53°N | 117.12°W |
| San Diego/Orange County Line,                       | 33.39°N | 117.59°W |
| Orange/Los Angeles County Line, CA                  | 33.75°N | 118.11°W |
| <b>Los Angeles / Oxnard, CA</b>                     |         |          |
| Orange/Los Angeles County Line, CA                  | 33.75°N | 118.11°W |
| Catalina Island, CA                                 | 33.39°N | 118.42°W |
| Point Mugu, CA                                      | 34.11°N | 119.12°W |
| Point Arguello, CA                                  | 34.58°N | 120.65°W |
| Point Sal, CA                                       | 34.90°N | 120.67°W |
| Point Piedras Blancas, CA                           | 35.66°N | 121.29°W |
| <b>Honolulu, HI (Main Hawaiian Islands)</b>         |         |          |
| Hawaii                                              | 19.65°N | 155.50°W |
| Kauai and Niihau                                    | 22.06°N | 159.51°W |
| Maui, Molokai, Lanai, Kahoolawe                     | 20.80°N | 156.35°W |
| Oahu                                                | 21.46°N | 158.00°W |
| <b>Honolulu, HI (Other Central Pacific Islands)</b> |         |          |
| Nihoa                                               | 23.05°N | 161.92°W |
| French Frigate Shoals                               | 23.86°N | 166.27°W |
| Maro Reef                                           | 25.33°N | 170.50°W |
| Lisianski                                           | 26.06°N | 173.96°W |
| Pearl and Hermes Atoll                              | 27.83°N | 175.83°W |
| Midway                                              | 28.21°N | 177.37°W |
| Kure Atoll                                          | 28.40°N | 178.30°W |
| Johnston Atoll                                      | 16.75°N | 169.50°W |
| Palmyra Atoll                                       | 5.89°N  | 162.08°W |
| Teraina Atoll                                       | 4.68°N  | 160.37°W |
| Tabuaeran Atoll                                     | 3.87°N  | 159.32°W |
| Kiritimati (Christmas) Island                       | 1.87°N  | 157.42°W |
| <b>Pago Pago, American Samoa</b>                    |         |          |
| Tutuila & Aunu'u                                    | 14.30°S | 170.70°W |
| Ofu & Olosega                                       | 14.18°S | 169.62°W |
| Ta'u                                                | 14.23°S | 169.46°W |
| Swains Is.                                          | 11.08°S | 171.04°W |
| Rose Atoll                                          | 14.32°S | 168.09°W |

Please see <https://www.hurricanes.gov/breakpoints/> for more information on breakpoints, including international breakpoints.

**WFO Guam Warning Area**

**Mariana Islands United States (CNMI - Commonwealth of the Northern Mariana Islands)**

|               |         |          |
|---------------|---------|----------|
| Agrihan       | 18.80°N | 145.70°E |
| Pagan         | 18.10°N | 145.80°E |
| Alamagan      | 17.60°N | 145.85°E |
| Saipan (CNMI) | 15.20°N | 145.80°E |
| Tinian (CNMI) | 15.00°N | 145.60°E |
| Rota (CNMI)   | 14.10°N | 145.20°E |
| Guam          | 13.50°N | 144.80°E |

**Republic of Palau**

|          |        |          |
|----------|--------|----------|
| Sonsorol | 5.30°N | 132.20°E |
| Koror    | 7.30°N | 134.40°E |
| Kayangel | 8.10°N | 134.70°E |

**Federated States of Micronesia**

|                                |        |          |
|--------------------------------|--------|----------|
| Ngulu (Yap State)              | 8.30°N | 137.50°E |
| Yap                            | 9.50°N | 138.10°E |
| Ulithi (Yap State)             | 9.90°N | 139.60°E |
| Fais (Yap State)               | 9.80°N | 140.50°E |
| Fareulap (Yap State)           | 8.60°N | 144.60°E |
| Woleai (Yap State)             | 7.40°N | 143.90°E |
| Satawal (Yap State)            | 7.40°N | 147.10°E |
| Puluwat Atoll (Chuuk State)    | 7.10°N | 149.00°E |
| Ulul (Chuuk State)             | 8.60°N | 149.70°E |
| Chuuk                          | 7.50°N | 151.90°E |
| Fananu (Chuuk State)           | 8.60°N | 151.90°E |
| Losap (Chuuk State)            | 6.90°N | 152.70°E |
| Lukunor (Chuuk State)          | 5.60°N | 154.00°E |
| Nukuoro (Pohnpei State)        | 3.90°N | 154.90°E |
| Sapwuafik (Pohnpei State)      | 5.90°N | 157.40°E |
| Pakin (Pohnpei State)          | 7.00°N | 157.90°E |
| Pohnpei                        | 6.90°N | 158.20°E |
| Mokil (Pohnpei State)          | 6.80°N | 159.80°E |
| Pingelap Atoll (Pohnpei State) | 6.20°N | 160.70°E |
| Kosrae                         | 5.30°N | 163.00°E |

**Republic of the Marshall Islands**

|                |         |          |
|----------------|---------|----------|
| Enewetak Atoll | 11.40°N | 162.40°E |
| Ujae           | 8.90°N  | 165.80°E |
| Kwajalein      | 8.70°N  | 167.80°E |
| Ailingalaplal  | 7.50°N  | 168.90°E |
| Jaluit Atoll   | 5.90°N  | 169.60°E |
| Utirik         | 11.20°N | 169.60°E |
| Wotje Atoll    | 9.30°N  | 170.20°E |
| Majuro         | 7.10°N  | 171.20°E |
| Mili Atoll     | 6.10°N  | 171.90°E |