

**NATIONAL WEATHER SERVICE MANUAL 10-605**

**JUNE 13, 2003**

**Operations and Services**

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

**OFFICIAL DEFINING POINTS AND GEOGRAPHIC DEFINING POINTS**

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**SUMMARY OF REVISIONS:** This directive supercedes NWSI 10-605, dated June 7, 2002. This directive adds the breakpoint Mississippi/Alabama border, deletes Pigeon Key, FL and Brunswick GA, and modifies Brunswick (Altamaha Sound) GA to read Altamaha Sound GA.

Signed by Gregory A. Mandt

May 30, 2003

Gregory A. Mandt

Date

Director, Office of Climate,  
Water, and Weather Services

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

La Pesca, MX.. . . . .	23.76°N	97.78°W
Rio San Fernando, MX . . . . .	25.00°N	97.60°W
<b><u>Brownsville, TX</u></b>		
Brownsville, TX . . . . .	25.95°N	97.16°W
Port Mansfield, TX . . . . .	26.59°N	97.29°W
Baffin Bay, TX . . . . .	27.29°N	97.37°W
<b><u>Corpus Christi, TX</u></b>		
Baffin Bay, TX . . . . .	27.29°N	97.37°W
Corpus Christi, TX . . . . .	27.67°N	97.19°W
Port Aransas, TX . . . . .	27.83°N	97.08°W
Port O'Connor, TX . . . . .	28.40°N	96.39°W
<b><u>Houston, TX</u></b>		
Port O'Connor, TX . . . . .	28.40°N	96.39°W
Matagorda, TX . . . . .	28.63°N	95.93°W
Sargent, TX . . . . .	28.75°N	95.60°W
Freeport, TX . . . . .	28.93°N	95.33°W
San Luis Pass, TX . . . . .	29.08°N	95.13°W
High Island, TX . . . . .	29.57°N	94.39°W
<b><u>Lake Charles, LA</u></b>		
High Island, TX . . . . .	29.57°N	94.39°W
Sabine Pass, TX . . . . .	29.71°N	93.85°W
Cameron, LA . . . . .	29.80°N	93.30°W
Intracoastal City, LA . . . . .	29.62°N	92.04°W
Morgan City, LA . . . . .	29.49°N	91.29°W
<b><u>New Orleans, LA</u></b>		
Morgan City, LA . . . . .	29.49°N	91.29°W
Grand Isle, LA . . . . .	29.25°N	89.96°W
Mouth of Mississippi River, LA . . . . .	29.12°N	89.11°W
Mouth of Pearl River, LA . . . . .	30.15°N	89.60°W
Pascagoula, MS . . . . .	30.37°N	88.55°W
<b><u>Mobile, AL</u></b>		
Pascagoula, MS . . . . .	30.37°N	88.55°W
MS/AL Border . . . . .	30.40°N	88.40°W
AL/FL Border . . . . .	30.28°N	87.50°W
Fort Walton Beach, FL . . . . .	30.41°N	86.62°W
Destin, FL . . . . .	30.39°N	86.50°W
<b><u>Tallahassee, FL</u></b>		
Destin, FL . . . . .	30.39°N	86.50°W
Panama City, FL . . . . .	30.12°N	85.70°W
Indian Pass, FL . . . . .	29.68°N	85.27°W
Apalachicola, FL . . . . .	29.73°N	84.99°W
Ochlockonee River, FL . . . . .	29.95°N	84.40°W
St. Marks, FL . . . . .	30.11°N	84.21°W

Aucilla River, FL	30.05°N	83.92°W
Steinhatchee River, FL	29.70°N	83.40°W
Suwanee River, FL	29.30°N	83.17°W
<b><u>Tampa Bay, FL</u></b>		
Suwanee River, FL	29.30°N	83.17°W
Yankeetown, FL	29.03°N	82.74°W
Bayport, FL	28.54°N	82.65°W
Anclote Key, FL	28.18°N	82.85°W
Tarpon Springs, FL	28.15°N	82.77°W
Anna Maria Island, FL	27.53°N	82.75°W
Longboat Key, FL	27.39°N	82.64°W
Englewood, FL	26.94°N	82.38°W
Boca Grande, FL	26.72°N	82.27°W
Bonita Beach, FL	26.33°N	81.85°W
<b><u>Miami, FL (Gulf)</u></b>		
Bonita Beach, FL	26.33°N	81.85°W
Chokoloskee, FL	25.80°N	81.36°W
East Cape Sable, FL	25.15°N	81.08°W
Flamingo, FL	25.14°N	80.93°W
<b><u>Key West, FL (Gulf)</u></b>		
Flamingo, FL	25.14°N	80.93°W
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
Craig Key, FL	24.83°N	80.77°W
Key Largo, FL	25.09°N	80.44°W
Ocean Reef, FL	25.32°N	80.26°W
<b><u>Miami, FL (Atlantic)</u></b>		
Ocean Reef, FL	25.32°N	80.26°W
Florida City, FL	25.45°N	80.33°W
Golden Beach, FL	25.97°N	80.12°W
Hallandale Beach, FL	25.99°N	80.13°W
Deerfield Beach, FL	26.32°N	80.10°W
Boca Raton, FL	26.36°N	80.07°W
Jupiter Inlet, FL	26.95°N	80.07°W
<b><u>Melbourne, FL</u></b>		
Jupiter Inlet, FL	26.95°N	80.07°W
Stuart, FL	27.21°N	80.18°W
Fort Pierce, FL	27.46°N	80.30°W
Vero Beach, FL	27.66°N	80.37°W
Sebastian Inlet, FL	27.84°N	80.43°W
Cocoa Beach, FL	28.32°N	80.61°W
Titusville, FL	28.64°N	80.63°W
New Smyrna Beach, FL	29.03°N	80.89°W
Flagler Beach, FL	29.47°N	81.13°W

**Jacksonville, FL**

Flagler Beach, FL	29.47°N	81.13°W
St. Augustine, FL	29.89°N	81.31°W
Fernandina Beach, FL	30.66°N	81.45°W
Altamaha Sound, GA	31.30°N	81.29°W

**Charleston, SC**

Altamaha Sound, GA	31.30°N	81.29°W
Savannah River, GA	32.04°N	80.86°W
Edisto Beach, SC	32.49°N	80.32°W
South Santee River, SC	33.12°N	79.27°W

**Wilmington, NC**

South Santee River, SC	33.12°N	79.27°W
Murrells Inlet, SC	33.56°N	79.00°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	77.50°W

**Morehead City, NC**

Surf City, NC	34.44°N	77.50°W
New River Inlet, NC	34.53°N	77.34°W
Bogue Inlet, NC	34.64°N	77.11°W
Cape Lookout, NC	34.58°N	76.55°W
Ocracoke Inlet, NC	35.06°N	76.00°W
Cape Hatteras, NC	35.22°N	75.52°W
Oregon Inlet, NC	35.76°N	75.50°W

(The inclusion of Pamlico and Albemarle Sounds should be on a case-by-case basis).

Currituck Beach Light, NC	36.38°N	75.83°W
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**Wakefield, VA**

Currituck Beach Light, NC	36.38°N	75.83°W
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(The inclusion of Currituck Sound, NC, should be on a case-by-case basis).

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	75.63°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

**Sterling, VA**

Chesapeake Bay, Smith Point, VA	37.89°N	76.24°W
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

**Mt. Holly, NJ**

Cape Henlopen, DE	38.80°N	75.09°W
Cape May, NJ	38.93°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
Delaware Bay north/south of		
Slaughter Beach, DE to	38.91°N	75.30°W
East Point, NJ	39.19°N	75.02°W
Sandy Hook, NJ	40.46°N	74.00°W

**New York City, NY**

Sandy Hook, NJ	40.46°N	74.00°W
Fire Island Inlet, LI, NY	40.63°N	73.30°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	40.95°N	73.08°W
New Haven, CT	41.30°N	72.91°W
Watch Hill, RI	41.31°N	71.86°W

**Boston, MA**

Watch Hill, RI	41.31°N	71.86°W
Point Judith, RI	41.35°N	71.49°W
Westport, MA	41.45°N	71.20°W
Woods Hole, MA	41.52°N	70.69°W
Chatham, MA	41.66°N	69.95°W
Plymouth, MA	41.98°N	70.65°W
Gloucester, MA	42.57°N	70.66°W
Merrimack River, MA	42.84°N	70.82°W

**Portland, ME**

Merrimack River, MA	42.84°N	70.82°W
Portsmouth, NH	43.06°N	70.70°W
Portland, ME	43.64°N	70.20°W
Rockland, ME	44.10°N	69.10°W
Stonington, ME	44.16°N	68.67°W

**Caribou, ME**

Stonington, ME	44.16°N	68.67°W
Bar Harbor, ME	44.39°N	68.20°W
Eastport, ME	44.92°N	67.00°W

GEOGRAPHICAL DEFINING POINTS AND PHONETIC PRONUNCIATIONS

Abaco	AB-a-KO	Flores	FLO-rish
Abrejos	aahbray-oh-hoes	Fort de France	for-de-FRAHCS
Amalie	a-MAHL-ye	Galera	gaa-lehra
Angel	aan-hel	Grenada	gre-NAY-dah
Anguilla	ang-GWIL-a	Guadeloupe	GWAH-deh-loop
Antigua	an-TEE-ga	Guasave	gwaa-saa-ve
Arena	aah-ray-nah	Guaymas	gwhy-maahs
Arista	ah-ree-staa		
Aruba	ah-ROO-ba	Huatulco	whaa-tool-coe
Antilles	an-TILL-leez	Islas	eeslas
Azores	uh-ZOHRZ	Jalisco	ha-lee-sco
		Juanico	whaa-nee-coe
Bahia	ba-e-yuh	Lazaro	laasa-roe
Ballenas	ba-yaynas	Loreto	lo-ae-toe
Barahona	ba-ra-HO-na	Leeward	LEE-werd
Barbados	bar-BAY-dohz		
Barbuda	bar-BOO-dah	Manzanillo	manza-nee-oh
Barra	baa-rra	Maracaibo	mar-a-KYE-boh
Barranquilla	Bahr-rahn-KEE-yah	Maracay	mah-rah-KYE
Basse-Terre	baha-TER	Marigot	ma-ree-GOH
Bimini	BIM-I-ni	Mateo	muh-ta-yo
Bonaire	ba-NAIR	Mayaguez	may-yah-GWAYS
Burros	bhoorroes	Medano	may-daa-no
		Melaque	may-laa-kay
Cap Haitien	kahp ah-ee-SYAN	Merida	MAY-re-thah
Caracas	kah-RAH-kahs	Mochis	mo-chees
Cardenas	car-denaass	Montego	mon-TEE-go
Caribbean	kar-a-BE-an	Montserrat	mont-se-RAT
Castries	KAS-tree	Mugu	muhgu
Cayman	kay-MAHN	Mulege	moo-lay-hay
Champerico	chaam-per-e-coe		
Charlotte		Nicaragua	nik-a-RAH-gwah
		Ocho Rios	OH-cho REE-os
Colima	coleema	Oranjestad	o-RAHN-yuh-stat
Corrientes	cor-re-ehn-tays	Paramaribo	par-a-MAR-I-boh
Cozumel	koh-soo-MEL	Parguera	par-GWER-a
Curacao	koor-a-SOH	Penasco	pen-yaas-co
Cuyutlan	coo-yootlaan	Pointe-a-Pitre	pwan-ta-PEE-tr
		Ponce	PON-sa
Dominica	dom-I-NEE-ka	Port-au-Prince	port-oh-PRINS
Eleuthera	el-OO-thera	Punta	poota
Escondido	es-cond-dee-dow	Revillagigedo	ray-veeaheehaydo
Eugenia	ayuh-hen-yuh		
Exuma	ek-SOO-ma		

Saba SAH-ba  
Sao Miguel soun ME-gel  
Sipacate see-paa-caa-tay  
St Croix ST croy  
St Lucia ST LOO-she-a  
Soufriere soo-free-AR  
Surinam SOOR-I-nam  
Tampico tam-PEE-ko  
Tehuantepec te-whaan-te-pec  
Tela TAY-lah

Tobago to-BAY-go  
Todos todohs  
Tomas tow-maas  
Tonala ton-aahla  
Tosca toesca  
Vallarta vah-yar-ta  
Yavaros yaa-vaa-roce  
Yucatan yoo-ka-TAN  
Zihuatanejo zeeh-whaa-tanay-ho