

Tidal Datum Errors for Gulf Coast of the United States (Florida, Alabama, Mississippi, Louisiana, and Texas)

Standard deviation (or accuracy) of Tidal Datum Computations:

The time period necessary to incorporate all of the major astronomical tide producing cycles into the computation of a tidal datum is 19-years. All tidal datums are referenced to specific 19-year National Tidal Datum Epochs (NTDE). First reduction tidal datums are determined directly by averaging values of the tidal parameters over a 19-year NDTE. Errors in determination of tidal datums using First Reduction for the 19-year NTDE are theoretically zero. NTDE datums for short-term subordinate stations are computed and adjusted to a 19-year NTDE equivalent using simultaneous comparison with an appropriate nearby control station (NOS, 2003, Swanson, 1974, and Marmer, 1951). See Gill and Fisher, 2008:

http://tidesandcurrents.noaa.gov/publications/Technical_Memorandum_NOS_COOPS_0048.pdf for the areas of coverage for tidal datum computation for each National Water Level Observation Network (NWLON) control tide station.

Errors in determination of tidal datums at short-term stations through the method of simultaneous comparison are known to be generally correlated with the length if the subordinate station observations, with geographic distance from the control station and with difference in range of tide and time of tide between control and subordinate stations. In applied research performed by Bodnar (1981), multiple curvilinear regression equations estimating the accuracy of computed 19-year equivalent tidal datums were developed. The formulas for Mean Low Water were adopted for use in estimating tidal datum errors because the low water differences express the effects of shallow water and bottom friction better than MHW. Although these regression equations are the best available estimate of the datum accuracy they may be unreliable in areas which have widely divergent characteristics.

The table below provides datum error estimates using the standard deviation of the estimate (in feet). To estimate the 95% Confidence Interval of the errors, multiply the standard deviation by 1.96.

Station Name	STATION ID	Latitude	Longitude	Error in Meters	Error in Feet
LOWER MATECUMBE KEY, FLA. BAY	8723852	24.865000	-80.716700	0.018	0.06
ALLIGATOR REEF LIGHTHOUSE	8723861	24.850000	-80.618300	0.023	0.08
LONG KEY CHANNEL WEST	8723906	24.791700	-80.883300	0.022	0.07
TOM'S HARBOR CUT	8723912	24.783300	-80.906700	0.030	0.10
GRASSY KEY NORTH SIDE, FLORIDA BAY	8723921	24.771700	-80.940000	0.019	0.06
DUCK KEY	8723927	24.765000	-80.913300	0.015	0.05
GRASSY KEY, ATLANTIC SIDE	8723933	24.755000	-80.958300	0.028	0.09
FAT DEER KEY	8723949	24.733300	-81.016700	0.033	0.11
MARTHON SHORES KEY, VACA CUT	8723950	24.730000	-81.030000	0.021	0.07
KEY COLONY BEACH	8723962	24.718300	-81.016700	0.001	0.00
VACA KEY, FLORIDA BAY	8723970	24.711700	-81.105000	0.001	0.00
BOOT KEY HARBOR	8723971	24.703300	-81.105000	0.022	0.07

Station Name	STATION ID	Latitude	Longitude	Error in Meters	Error in Feet
SOMBRERO KEY LIGHTHOUSE	8723999	24.626700	-81.111700	0.025	0.08
KNIGHT KEY CHANNEL	8724008	24.706700	-81.125000	0.024	0.08
PIGEON KEY ATLANTIC SIDE	8724032	24.703300	-81.155000	0.019	0.06
PIGEON KEY (INSIDE)	8724033	24.705000	-81.156700	0.025	0.08
MOLASSES KEY	8724062	24.683300	-81.191700	0.019	0.06
LITTLE DUCK KEY	8724093	24.681700	-81.228300	0.024	0.08
EAST BAHIA HONDA KEY	8724094	24.775000	-81.226700	0.024	0.08
COCOANUT KEY	8724098	24.745000	-81.236700	0.023	0.08
MISSOURI-LITTLE DUCK CHANNEL	8724099	24.680000	-81.235000	0.021	0.07
MISSOURI-OHIO CHANNEL	8724107	24.673300	-81.243300	0.019	0.06
OHIO-BAHIA HONDA CHANNEL	8724112	24.670000	-81.251700	0.020	0.06
WEST BAHIA HONDA KEY	8724129	24.780000	-81.271700	0.027	0.09
BAHIA HONDA KEY	8724138	24.655000	-81.281700	0.014	0.05
HORESHOE KEYS	8724139	24.766700	-81.283300	0.026	0.09
JOHNSON KEYS SOUTH	8724153	24.743300	-81.300000	0.022	0.07
LITTLE PINE KEY SOUTH	8724154	24.713300	-81.303300	0.022	0.07
NO NAME KEY	8724168	24.698300	-81.318300	0.021	0.07
JOHNSON KEYS NORTH	8724172	24.766700	-81.323300	0.029	0.10
LITTLE PINE KEY NORTH	8724177	24.750000	-81.328300	0.025	0.08
SPANISH HARBOR VIADUCT, BIG PINE KEY	8724178	24.648300	-81.330000	0.019	0.06
WATER KEY, BIG SPANISH CHANNEL	8724189	24.740000	-81.341700	0.023	0.07
BIG PINE KEY, COUPON BIGHT INSIDE	8724192	24.651700	-81.350000	0.019	0.06
BOGIE CHANNEL LANDING, BIG PINE KEY	8724193	24.696700	-81.348300	0.020	0.07
PORPOISE KEY	8724196	24.718300	-81.351700	0.021	0.07
CRAWL KEY, BIG SPANISH CHANNEL	8724199	24.756700	-81.358300	0.029	0.10
DOCTORS ARM	8724201	24.690000	-81.356700	0.019	0.06
MAYO KEY	8724205	24.733300	-81.361700	0.024	0.08
LITTLE SPANISH KEY ISLAND	8724209	24.773300	-81.368300	0.034	0.11
BIG PINE KEY VIADUCT	8724211	24.670000	-81.368300	0.016	0.05
NEWFOUND HARBOR	8724215	24.651700	-81.375000	0.021	0.07
LITTLE TORCH KEY	8724224	24.665000	-81.386700	0.021	0.07
BIG PINE KEY, NORTH EAST SHORE	8724226	24.728300	-81.386700	0.024	0.08
BIG PINE KEY, WEST SIDE	8724227	24.690000	-81.383300	0.020	0.06
ANNETTE KEY	8724229	24.758300	-81.390000	0.031	0.10
BIG PINE KEY NORTH END	8724231	24.745000	-81.395000	0.028	0.09
MUNSON KEY	8724238	24.623300	-81.403300	0.017	0.06
RAMROD KEY SOUTHEAST	8724239	24.650000	-81.403300	0.017	0.06
BIG SPANISH KEY	8724246	24.788300	-81.411700	0.036	0.12
RAMROD KEY	8724255	24.660000	-81.423300	0.022	0.07
HOWE KEY NE POINT	8724257	24.758300	-81.428300	0.035	0.11
BIG TORCH KEY, WEST SIDE	8724264	24.705000	-81.433300	0.021	0.07
SUMMERLAND KEY EAST	8724266	24.651700	-81.435000	0.018	0.06
WATER KEYS SOUTH END	8724273	24.746700	-81.450000	0.026	0.09
SUMMERLAND KEY, WEST SIDE	8724276	24.650000	-81.446700	0.022	0.07
KNOCKEMDOWN KEY	8724302	24.715000	-81.478300	0.030	0.10
GOPHER KEY	8724306	24.641700	-81.485000	0.017	0.06
CONTENT KEY	8724307	24.790000	-81.483300	0.022	0.07
RACON KEY	8724311	24.741700	-81.483300	0.032	0.11
CUDJOE BAY	8724313	24.660000	-81.491700	0.018	0.06
TARPON CREEK (OUTSIDE)	8724327	24.628300	-81.510000	0.021	0.07
CUDJOE KEY NO. POINT	8724328	24.700000	-81.505000	0.019	0.06
CUDJOE KEY PIRATES COVE	8724332	24.661700	-81.515000	0.015	0.05
TARPON CREEK, SUGARLOAF KEY	8724334	24.630000	-81.516700	0.026	0.09

Station Name	STATION ID	Latitude	Longitude	Error in Meters	Error in Feet
SUGARLOAF KEY EAST SIDE	8724347	24.671700	-81.533300	0.023	0.08
PERKY LAKE, SUGERLOAF KEY	8724353	24.655000	-81.540000	0.030	0.10
SUGARLOAF KEY (NORTH END)	8724368	24.693300	-81.555000	0.030	0.10
SAWYER KEY (INSIDE)	8724369	24.758300	-81.561700	0.032	0.11
PUMPKIN KEY, SUGARLOAF CHANNEL	8724373	24.716700	-81.561700	0.031	0.10
PERKY, SUGARLOAF SOUND	8724378	24.648300	-81.570000	0.029	0.10
JOHNSTON KEY	8724397	24.710000	-81.593300	0.029	0.09
SADDLEBUNCH CHANNEL NO. 3	8724405	24.623300	-81.603300	0.026	0.09
INNER NARROWS	8724409	24.658300	-81.608300	0.030	0.10
SADDLEBUNCH CHANNEL NO. 4	8724417	24.615000	-81.616700	0.030	0.10
SIMILAR SOUND	8724422	24.600000	-81.621700	0.026	0.08
SADDLEBUNCH CHANNEL NO. 5	8724423	24.611700	-81.623300	0.029	0.10
BIRD KEY	8724436	24.588300	-81.638300	0.023	0.08
SHARK KEY	8724438	24.603300	-81.645000	0.022	0.07
O'HARA KEY, NORTH POINT	8724441	24.616700	-81.645000	0.026	0.09
WALTZ KEY	8724448	24.646700	-81.653300	0.026	0.08
SNIPE POINT, SNIPE KEYS	8724463	24.691700	-81.673300	0.029	0.09
DUCK KEY POINT	8724474	24.623300	-81.685000	0.026	0.08
BOCA CHICA, LONG POINT	8724485	24.603300	-81.698300	0.014	0.05
BIG COPPITT KEY	8724489	24.601700	-81.655000	0.026	0.08
BOCA CHICA MARINA	8724493	24.575000	-81.708300	0.018	0.06
BOCA CHICA, SOUTHWEST END	8724499	24.563300	-81.713300	0.013	0.04
STOCK ISLAND	8724503	24.576700	-81.721700	0.020	0.06
CHANNEL KEY	8724507	24.603300	-81.725000	0.023	0.08
KEY HAVEN WEST	8724517	24.580000	-81.738300	0.021	0.07
COW KEY CHANNEL	8724527	24.570000	-81.750000	0.019	0.06
RIVERIA CANAL, KEY WEST	8724529	24.565000	-81.751700	0.024	0.08
SIGSBEE PARK, GARRISON BIGHT CHANNEL	8724542	24.585000	-81.775000	0.018	0.06
KEY WEST, WHITE STREET PIER	8724557	24.545000	-81.783300	0.013	0.04
FLEMING KEY, NORTH END	8724571	24.591700	-81.795000	0.017	0.06
KEY WEST	8724580	24.555700	-81.807900	0.000	0.00
SAND KEY LIGHTHOUSE	8724635	24.453300	-81.878300	0.015	0.05
SMITH SHOAL LIGHT, FL	8724671	24.718278	-81.921528	0.028	0.09
GARDEN KEY, DRY TORTUGAS	8724697	24.626700	-82.871700	0.023	0.08
LOGGERHEAD KEY, DRY TORTUGAS	8724698	24.631700	-82.920000	0.016	0.05
CHOKOLOSKEE	8724919	25.813300	-81.363300	0.007	0.02
INDIAN KEY	8724932	25.810000	-81.465000	0.021	0.07
CAPE ROMANO ISLAND	8724947	25.853300	-81.675000	0.018	0.06
EVERGLADES CITY	8724948	25.858300	-81.386700	0.013	0.04
PANTHER KEY	8724951	25.858300	-81.538300	0.019	0.06
FAKAHATCHEE RIVER ENTRANCE	8724962	25.890000	-81.476700	0.019	0.06
DISMAL KEY, PUMPKIN BAY	8724963	25.895000	-81.558300	0.024	0.08
COON KEY PASS, GULLIVAN BAY	8724964	25.896700	-81.636700	0.019	0.06
MARCO ISLAND, CAXAMBAS PASS	8724967	25.908300	-81.728300	0.008	0.03
FAKA UNION BAY	8724970	25.903300	-81.513300	0.019	0.06
DAVID KEY, BARFIELD BAY	8724971	25.916700	-81.686700	0.015	0.05
BLACKWATER RIVER ENTRANCE	8724975	25.931700	-81.596700	0.021	0.07
BIG MARCO RIVER, U.S. 92	8724979	25.933300	-81.655000	0.016	0.05
MARCO, BIG MARCO RIVER	8724991	25.971700	-81.728300	0.016	0.05
ADDISON BAY	8724992	25.963300	-81.665000	0.015	0.05
MCILVAINE BAY	8724996	25.985000	-81.701700	0.015	0.05
KEEWAYDIN ISLAND, INSIDE	8725019	26.025000	-81.768300	0.015	0.05
DOLLAR BAY, NORTH	8725079	26.083300	-81.785000	0.013	0.04

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NAPLES	8725110	26.131700	-81.807500	0.000	0.00
NAPLES BAY, NORTH	8725114	26.136700	-81.788300	0.013	0.04
OUTER CLAM BAY	8725171	26.211700	-81.813300	0.019	0.06
WATER TURKEY BAY	8725222	26.276700	-81.825000	0.017	0.05
COCOHATCHEE RIVER, U.S. 41	8725228	26.281700	-81.801700	0.018	0.06
WIGGINS PASS, INSIDE	8725235	26.290000	-81.818300	0.013	0.04
LITTLE HICKORY BAY	8725259	26.330000	-81.838300	0.024	0.08
IMPERIAL RIVER ENTRANCE	8725269	26.336700	-81.830000	0.023	0.07
IMPERIAL RIVER, HEADWATERS	8725271	26.343300	-81.780000	0.024	0.08
FISH TRAP BAY	8725272	26.336700	-81.845000	0.028	0.09
COCONUT POINT, ESTERO BAY	8725319	26.400000	-81.843300	0.019	0.06
OSTEGO BAY, ESTERO BAY	8725331	26.413300	-81.898300	0.018	0.06
ESTERO RIVER, ESTERO BAY	8725346	26.430000	-81.856700	0.017	0.05
ESTERO ISLAND, ESTERO BAY	8725351	26.438300	-81.918300	0.019	0.06
TARPON BAY	8725362	26.443300	-82.081700	0.019	0.06
MATANZAS PASS, ESTERO ISLAND	8725366	26.456700	-81.953300	0.018	0.06
HURRICANE BAY, SAN CARLOS ISLAND	8725368	26.460000	-81.940000	0.011	0.04
HENDRY CREEK, ESTERO BAY	8725377	26.470000	-81.876700	0.023	0.08
PUNTA RASSA, SAN CARLOS BAY	8725391	26.488300	-82.013300	0.015	0.05
NORTH CAPTIVA ISLAND	8725488	26.605000	-82.218300	0.022	0.07
FORT MYERS, CALOOSAHATCHEE RIVER	8725520	26.647700	-81.871200	0.000	0.00
PINE ISLAND, CHARLOTTE HARBOR	8725528	26.660000	-82.155000	0.017	0.06
PORT BOCA GRANDE, CHARLOTTE HBR.	8725577	26.720000	-82.258300	0.017	0.06
TURTLE BAY	8725649	26.796700	-82.183300	0.023	0.08
PLACIDA, GASPARILLA SOUND	8725667	26.833300	-82.265000	0.026	0.08
CUTOFF SOUTH	8725685	26.855000	-82.303300	0.027	0.09
SOUTH LEMON BAY	8725691	26.871700	-82.313300	0.025	0.08
PUNTA GORDA	8725744	26.928300	-82.065000	0.018	0.06
LOCUST POINT, HOG ISLAND	8725745	26.930000	-82.136700	0.043	0.14
ENGLEWOOD, LEMON BAY	8725747	26.933300	-82.353300	0.018	0.06
EL JOBEAN, MYAKKA RIVER	8725769	26.961700	-82.210000	0.022	0.07
SHELL CREEK, PEACE RIVER	8725781	26.980000	-81.960000	0.024	0.08
SHELL CREEK, SEABOARD RR	8725782	26.978300	-81.975000	0.024	0.08
HARBOUR HEIGHTS, PEACE RIVER	8725791	26.988300	-81.993300	0.025	0.08
MANASOTA	8725809	27.011700	-82.410000	0.027	0.09
LIVERRPOOL, PEACE RIVER	8725835	27.043300	-81.986700	0.025	0.08
MYAKKA RIVER, US 41	8725837	27.045000	-82.293300	0.027	0.09
VENICE	8725858	27.071700	-82.453300	0.021	0.07
NOKOMIS, VENICE INLET	8725899	27.123300	-82.470000	0.032	0.10
SHAKETT CREEK	8725902	27.126700	-82.446700	0.025	0.08
CASEY KEY	8725916	27.153300	-82.483300	0.023	0.08
BLACKBURN POINT	8725943	27.178300	-82.495000	0.029	0.10
SIESTA KEY, LITTLE SARASOTA BAY	8725985	27.221700	-82.515000	0.032	0.11
HAYDEN ROBERTS BAY	8726045	27.291700	-82.541700	0.021	0.07
SARASOTA, SARASOTA BAY	8726083	27.331700	-82.545000	0.035	0.11
WHITFIELD ESTATES, SARASOTA BAY	8726159	27.408300	-82.580000	0.035	0.12
CORTEZ, SARASOTA BAY	8726217	27.466700	-82.686700	0.018	0.06
PERICO ISLAND	8726232	27.486700	-82.686700	0.018	0.06
PALMA SOLA BAY, SOUTH	8726233	27.485000	-82.645000	0.018	0.06
ANNA MARIA OUTSIDE	8726243	27.496700	-82.713300	0.020	0.06
BRADENTON, MANATEE RIVER	8726247	27.500000	-82.573300	0.013	0.04
PALMA SOLA BAY NORTH	8726249	27.503300	-82.648300	0.017	0.05
PERICO BAYOU	8726254	27.498300	-82.668300	0.019	0.06

Station Name	STATION ID	Latitude	Longitude	Error in Meters	Error in Feet
DESOTO POINT	8726273	27.523300	-82.650000	0.018	0.06
REDFISH POINT, MANATEE RIVER	8726278	27.526700	-82.481700	0.028	0.09
ANNA MARIA, CITY PIER	8726282	27.533300	-82.730000	0.020	0.07
EGMONT KEY, TAMPA BAY	8726347	27.601700	-82.760000	0.016	0.05
MULLET KEY, TAMPA BAY	8726364	27.615000	-82.726700	0.013	0.04
PORT MANATEE, TAMPA BAY	8726384	27.638700	-82.562100	0.005	0.02
COCKROACH BAY	8726425	27.678300	-82.503300	0.019	0.06
TIERRA VERDE	8726428	27.688300	-82.718300	0.016	0.05
LITTLE MANATEE RIVER	8726436	27.705000	-82.448300	0.028	0.09
MANGROVE POINT INSIDE	8726492	27.741700	-82.466700	0.013	0.04
ST. PETERSBURG, TAMPA BAY	8726520	27.760600	-82.626900	0.000	0.00
JOHNS PASS	8726533	27.785000	-82.781700	0.017	0.06
APOLLO BEACH, HILLSBOROUGH BAY	8726537	27.786700	-82.426700	0.020	0.06
NEWMAN BRANCH	8726539	27.783300	-82.406700	0.014	0.05
THE KITCHEN	8726572	27.820000	-82.386700	0.018	0.06
GADSDEN POINT, TAMPA BAY	8726573	27.821700	-82.485000	0.015	0.05
BOCA CIEGA BAY	8726574	27.808300	-82.795000	0.028	0.09
INDIAN ROCKS BEACH	8726601	27.873300	-82.851700	0.015	0.05
LONG SHOAL, MACDILL AFB	8726604	27.855000	-82.480000	0.017	0.06
PORT TAMPA, OLD TAMPA BAY	8726607	27.857778	-82.552694	0.006	0.02
ALAFIA RIVER NORTH	8726614	27.870000	-82.328300	0.021	0.07
TAMPA, BALLAST POINT	8726639	27.890000	-82.480000	0.017	0.06
CSX ROCKPORT, MCKAY BAY ENTRANCE	8726667	27.913333	-82.425000	0.005	0.02
TAMPA, HOOKER POINT, HILLSBOROUGH BAY	8726668	27.918300	-82.445000	0.015	0.05
TWENTY-SECOND ST. CAUSEWAY	8726685	27.938300	-82.431700	0.018	0.06
HILLSBOROUGH RIVER ENTRANCE	8726693	27.946700	-82.461700	0.019	0.06
PALM RIVER ENTRANCE	8726696	27.946700	-82.401700	0.019	0.06
CLEARWATER, CLEARWATER HARBOR	8726706	27.955000	-82.806700	0.012	0.04
WEST TAMPA, HILLSBOROUGH RIVER	8726711	27.960000	-82.468300	0.019	0.06
CLEARWATER BEACH	8726724	27.978300	-82.831700	0.004	0.01
SAFETY HARBOR, OLD TAMPA BAY	8726738	27.988300	-82.685000	0.017	0.05
DUNEDIN CITY DOCK	8726761	28.013300	-82.793300	0.015	0.05
MOBBLY BAYOU	8726769	28.021700	-82.655000	0.027	0.09
HONEYMOON ISLAND, SOUTH	8726808	28.058300	-82.810000	0.020	0.06
HONNEYMOON ISLAND, INSIDE	8726809	28.061700	-82.813300	0.015	0.05
OZONA	8726819	28.070000	-82.781700	0.016	0.05
INDIAN BLUFF ISLAND	8726853	28.103300	-82.778300	0.016	0.05
SPRING BAYOU, TARPON SPRINGS	8726892	28.146700	-82.758300	0.018	0.06
KREAMER BAYOU	8726899	28.150000	-82.771700	0.018	0.06
HOWARD PARK	8726904	28.153300	-82.801700	0.018	0.06
TARPON SPRINGS, ANCLOTE RIVER	8726905	28.160000	-82.768300	0.018	0.06
RIVER VILLAGE, ANCLOTE RIVER	8726906	28.156700	-82.746700	0.020	0.06
NORTH FORK, ANCLOTE RIVER	8726908	28.158300	-82.756700	0.019	0.06
ANCLOTE LIGHTHOUSE, ANCLOTE KEY	8726917	28.165000	-82.843300	0.028	0.09
ANCLOTE RIVER	8726924	28.171700	-82.785000	0.014	0.04
NORTH ANCLOTE KEY	8726942	28.210000	-82.840000	0.019	0.06
BAILEYS BLUFF INSIDE	8726976	28.201700	-82.780000	0.018	0.06
BAILEYS BLUFF GULFSIDE	8726978	28.205000	-82.783300	0.018	0.06
FILLMANS CREEK, NEW PORT RICHEY	8726988	28.230000	-82.753300	0.019	0.06
CROSS BAYOU, NEW PORT RICHEY	8726996	28.246700	-82.735000	0.020	0.07
PITHLACHASCOTEE RIVER	8727012	28.268300	-82.726700	0.022	0.07
HUDSON, HUDSON CREEK	8727061	28.361700	-82.710000	0.023	0.08
FILLMANS BAYOU	8727086	28.413300	-82.676700	0.020	0.06

Station Name	STATION ID	Latitude	Longitude	Error in Meters	Error in Feet
ARIPEKA	8727097	28.433300	-82.668300	0.015	0.05
BAYPORT	8727151	28.533300	-82.650000	0.021	0.07
JOHNS ISLAND, CHASSAHOWITZKA BAY	8727235	28.691700	-82.638300	0.022	0.07
CHASSAHOWITZKA RIVER	8727246	28.715000	-82.576700	0.030	0.10
MASON CREEK, HOMOSASSA BAY	8727274	28.761700	-82.638300	0.020	0.07
TUCKERS ISLAND, HOMOSASSA RIVER	8727277	28.771700	-82.695000	0.027	0.09
HALLS RIVER BRIDGE, HALLS RIVER	8727293	28.800000	-82.603300	0.037	0.12
OZELLO	8727306	28.825000	-82.658300	0.036	0.12
OZELLO NORTH	8727328	28.863300	-82.666700	0.022	0.07
MSNGROVE POINT, CRYSTAL BAY	8727333	28.870000	-82.723300	0.015	0.05
DIXIE BAY	8727336	28.881700	-82.635000	0.027	0.09
CRYSTAL RIVER, KINGS BAY	8727343	28.898300	-82.598300	0.027	0.09
TWIN RIVERS MARINA, CRYSTAL RIVER	8727348	28.905000	-82.638300	0.020	0.07
SHELL ISLAND, CRYSTAL RIVER	8727359	28.923300	-82.691700	0.021	0.07
PORT INGLIS, WITHLACOOCHEE RIVER	8727395	29.001700	-82.758300	0.017	0.06
YANKEETOWN, WITHLACOOCHEE RIVER	8727411	29.030000	-82.713300	0.015	0.05
WACCASASSA RIVER	8727471	29.165000	-82.808300	0.015	0.05
FOWLER BLUFF, SUWANNEE RIVER	8727512	29.398300	-83.023300	0.020	0.06
CEDAR KEY	8727520	29.135000	-83.031700	0.002	0.01
SUWANNEE	8727577	29.328300	-83.151700	0.012	0.04
SHIRED ISLAND	8727604	29.398300	-83.206700	0.017	0.06
HORSESHOE POINT	8727648	29.436700	-83.293300	0.015	0.05
STEINHATCHEE	8727695	29.671700	-83.390000	0.014	0.04
SPRING WARRIOR CREEK	8727843	29.920000	-83.671700	0.018	0.06
FENHOLLOWAY RIVER	8727892	29.980000	-83.783300	0.015	0.05
ECONFINA RIVER, INSIDE	8727956	30.053300	-83.910000	0.027	0.09
MANDALAY, AUCILLA RIVER	8727989	30.126700	-83.975000	0.018	0.06
ST. MARKS LHTSE., APALACHEE BAY	8728130	30.078300	-84.178300	0.016	0.05
ST. MARKS CITY	8728151	30.155000	-84.203300	0.015	0.05
WAKULLA RIVER	8728171	30.176700	-84.246700	0.024	0.08
SHELL POINT, WALKER CREEK	8728229	30.060000	-84.290000	0.004	0.01
ALLIGATOR HARBOR	8728255	29.911700	-84.365000	0.017	0.06
FIDDLERS POINT	8728258	30.015000	-84.368300	0.014	0.04
ALLIGATOR POINT, SW CAPE	8728261	29.895000	-84.388300	0.022	0.07
ALLIGATOR POINT	8728288	29.903300	-84.413300	0.017	0.06
ST. TERESA BEACH	8728311	29.928300	-84.446700	0.014	0.05
OCHLOCKONEE RIVER STATE PARK	8728351	30.005000	-84.471700	0.015	0.05
TURKEY POINT	8728360	29.915000	-84.511700	0.007	0.02
MCINTYRE, OCHLOCKONEE RIVER	8728366	29.981700	-84.526700	0.020	0.07
DOG ISLAND, EAST END	8728408	29.810000	-84.585000	0.016	0.05
LANARK, ST. GEORGES SOUND	8728412	29.878300	-84.595000	0.016	0.05
CARRABELLE RIVER, ST. GEORGE SOUND	8728464	29.850000	-84.665000	0.016	0.05
NE END, ST. GEORGE ISLAND	8728486	29.766700	-84.700000	0.022	0.07
SOUTH CARRABELLE BEACH	8728488	29.801700	-84.736700	0.017	0.05
CAT POINT, APALACHICOLA BAY	8728619	29.723300	-84.886700	0.019	0.06
ST. GEORGE ISLAND, BAYSIDE	8728626	29.653300	-84.896700	0.023	0.08
SIKES CUT, ST. GEORGE ISLAND	8728669	29.613300	-84.958300	0.017	0.06
APALACHICOLA, APALACHICOLA RIVER	8728690	29.726700	-84.981700	0.000	0.00
WHITE BEACH, EAST BAY	8728694	29.785000	-84.898300	0.025	0.08
APALACHICOLA RIVER	8728711	29.763300	-85.033300	0.012	0.04
HUCKLEBERRY LANDING, JACKSON RIVER	8728757	29.770000	-85.085000	0.033	0.11
ELEVEN MILE, ST. VINCENT SOUND	8728786	29.706700	-85.153300	0.024	0.08
WHITE CITY, INTERCOASTAL WATER WAY, FL	8728853	29.880694	-85.221444	0.009	0.03

Station Name	STATION ID	Latitude	Longitude	Error in Meters	Error in Feet
PORT ST. JOE	8728912	29.815000	-85.313300	0.019	0.06
NORTH PRONG, WETAPPO CREEK	8728941	30.003300	-85.348300	0.023	0.07
RICHARDSON HAMMOCK, ST. JOSEPH BAY	8728949	29.690000	-85.363300	0.024	0.08
OVERSTREET	8728957	29.996700	-85.370000	0.022	0.07
ST. JOSEPH POINT, ST. JOSEPH BAY	8728958	29.873300	-85.390000	0.024	0.08
WETAPPO CREEK, EAST BAY	8728973	30.038300	-85.393300	0.022	0.07
MEXICO BEACH	8728995	29.948300	-85.425000	0.026	0.09
ALLANTON, EAST BAY	8729015	30.030000	-85.465000	0.018	0.06
FARMDALE, EAST BAY, ST. ANDREW BAY	8729017	30.016700	-85.470000	0.017	0.05
ST. ANDREW SOUND, EAST END	8729022	29.970000	-85.480000	0.023	0.08
PARKER BRANCH, LAIRD BAYOU, EAST BAY	8729039	30.136700	-85.516700	0.023	0.08
LAIRD BAYOU, EAST BAY	8729045	30.121700	-85.528300	0.014	0.05
ST ANDREW SOUND	8729052	30.025000	-85.541700	0.024	0.08
CALLAWAY BAYOU, EAST BAY	8729063	30.136700	-85.571700	0.023	0.08
DUPONT BRIDGE, EAST BAY	8729083	30.100000	-85.611700	0.012	0.04
PARKER, EAST BAY	8729084	30.126700	-85.611700	0.012	0.04
PEARL BAYOU, EAST BAY	8729085	30.098300	-85.613300	0.013	0.04
LYNN HAVEN, NORTH BAY	8729102	30.255000	-85.648300	0.020	0.06
BEACON BEACH, ST ANDREW BAY	8729105	30.091700	-85.648300	0.012	0.04
MASSALINA BAYOU, ST. ANDREW BAY	8729107	30.151700	-85.660000	0.024	0.08
PANAMA CITY, ST. ANDREW BAY	8729108	30.152278	-85.666944	0.000	0.00
NEW ENTRANCE CHANNEL, ST. ANDREW BAY	8729136	30.125000	-85.730000	0.014	0.04
ALLIGATOR BAYOU, PANAMA CITY	8729152	30.170000	-85.755000	0.025	0.08
PANAMA CITY BEACH	8729210	30.213300	-85.878300	0.001	0.00
JOLLY BAY, CHOCTAWHATCHEE BAY	8729332	30.428300	-86.136700	0.038	0.12
LA GRANGE BAYOU	8729333	30.468300	-86.138300	0.036	0.12
SANTA ROSA HOGTOWN BAYOU	8729376	30.400000	-86.228300	0.027	0.09
BIG HAMMOCK PT, CHOCTAWHATCHEE BAY	8729435	30.465000	-86.351700	0.021	0.07
VALPARISO, BOGGY BAYOU	8729501	30.503300	-86.493300	0.020	0.06
DESTIN, EAST PASS	8729511	30.395000	-86.513300	0.017	0.06
GARNIER BAYOU, SHALIMAR	8729538	30.435000	-86.586700	0.010	0.03
CAMP PINCHOT	8729548	30.470000	-86.593300	0.046	0.15
FORT WALTON BEACH, SANTA ROSA SOUND	8729554	30.401700	-86.610000	0.044	0.14
NAVARRE BEACH	8729678	30.376700	-86.865000	0.004	0.01
SANTA ROSA SOUND, EAST END	8729679	30.385000	-86.863300	0.016	0.05
EAST BAY, HOLLEY	8729702	30.450000	-86.918300	0.013	0.04
WOODLAWN BEACH	8729736	30.386700	-86.991700	0.015	0.05
SHIELD POINT, BLACKWATER RIVER	8729747	30.581700	-87.015000	0.014	0.04
BLACKWATER RIVER	8729753	30.636700	-87.028300	0.020	0.07
HERNANDEZ POINT NORTH	8729791	30.455000	-87.100000	0.015	0.05
FISHING BEND, SANTA ROSA SOUND	8729806	30.336700	-87.140000	0.015	0.05
LORA POINT, ESCAMBIA BAY	8729816	30.515000	-87.161700	0.012	0.04
FLORIDATOWN, ESCAMBIA BAY	8729824	30.581700	-87.180000	0.017	0.05
PENSACOLA, PENSACOLA BAY	8729840	30.404400	-87.211200	0.000	0.00
MILLVIEW, PERDIDO BAY	8729905	30.418300	-87.356700	0.026	0.08
BIG LAGOON	8729909	30.326700	-87.356700	0.016	0.05
BLUE ANGELS PARK, PERDIDO BAY	8729941	30.386944	-87.428806	0.016	0.05
HURST HAMMOCK, PERDIDO RIVER	8729943	30.458300	-87.408300	0.020	0.06
NORTH PERDIDO RIVER	8729949	30.523300	-87.443300	0.019	0.06
NIX POINT, PERDIDO BAY	8729962	30.393300	-87.425000	0.008	0.02
PERDIDO KEY, OLD RIVER	8729974	30.300000	-87.448300	0.024	0.08
ALABAMA POINT, PERDIDO PASS	8730667	30.278611	-87.555000	0.018	0.06
GULF SHORES, ICWW	8731439	30.279889	-87.684278	0.013	0.04

Station Name	STATION ID	Latitude	Longitude	Error in Meters	Error in Feet
BON SECOUR	8731952	30.303300	-87.735000	0.020	0.07
WEEKS BAY, MOBILE BAY	8732828	30.416700	-87.825000	0.008	0.03
POINT CLEAR, MOBILE BAY	8733821	30.486639	-87.934528	0.019	0.06
MEAHER STATE PARK, DUCKER BAY	8733839	30.667167	-87.936444	0.024	0.08
DAUPHIN ISLAND, MOBILE BAY	8735180	30.250000	-88.075000	0.001	0.00
DAUPHIN ISLAND (TEMP)	8735181	30.251319	-88.079486	0.010	0.03
STATE HIGHWAY 163 BRIDGE, DOG RIVER	8735391	30.565167	-88.088000	0.013	0.04
STATE HIGHWAY 193 BRIDGE, E. FOWL RIVER	8735523	30.443694	-88.113917	0.010	0.03
COAST GUARD SECTOR MOBILE, MOBILE BAY	8736897	30.648300	-88.058300	0.012	0.04
MOBILE STATE DOCKS, MOBILE RIVER	8737048	30.708300	-88.043300	0.010	0.03
WILLIAM BROOKS PARK, CHICKASAW CREEK	8737138	30.781889	-88.073611	0.015	0.05
LOWER BRYANT LANDING, TENSAW RIVER	8737373	30.978300	-87.873300	0.019	0.06
STATE HIGHWAY 188 BRIDGE, W. FOWL RIVER	8738043	30.376639	-88.158556	0.013	0.04
STATE HIGHWAY 188 BRIDGE, BAYOU LA BATRE	8739803	30.405667	-88.247694	0.014	0.05
GRAND BAY NERR, MISSISSIPPI SOUND	8740166	30.413000	-88.402722	0.014	0.04
PETIT BOIS ISLAND, MISS. SOUND	8740405	30.203300	-88.441700	0.015	0.05
POINT OF PINES, BAYOU CUMBEST	8740448	30.386700	-88.440000	0.008	0.03
DOCK E, PORT OF PASCAGOULA	8741041	30.347700	-88.505400	0.010	0.03
PASCAGOULA POINT, MISS. SOUND	8741196	30.340000	-88.533300	0.017	0.06
PASCAGOULA NOAA LAB, PASCAGOULA RIVER	8741533	30.367900	-88.563000	0.007	0.02
HORN ISLAND, MISSISSIPPI SOUND	8742221	30.238300	-88.666700	0.028	0.09
EASTERN OLD FORT BAYOU	8742947	30.440000	-88.726700	0.017	0.05
HOLLINGSWORTH POINT, DAVIS BAYOU	8743081	30.386700	-88.773300	0.013	0.04
OCEAN SPRINGS	8743281	30.391700	-88.798300	0.022	0.07
BILOXI (CADET POINT), BILOXI BAY	8743735	30.390000	-88.856700	0.006	0.02
BILOXI, BAY OF BILOXI	8744117	30.411700	-88.903300	0.018	0.06
SHIP ISLAND, MISSISSIPPI SOUND	8744756	30.213300	-88.971700	0.016	0.05
HANDBORO BRIDGE, BERNARD BAYOU	8745101	30.406700	-89.026700	0.018	0.06
TURKEY CREEK, BERNARD BAYOU	8745375	30.426700	-89.053300	0.013	0.04
GULFPORT HARBOR, MISSISSIPPI SOUND	8745557	30.360000	-89.081700	0.008	0.03
CAT ISLAND, MISSISSIPPI SOUND	8745799	30.231700	-89.116700	0.017	0.06
PASS CHRISTIAN YACHT CLUB, MISS. SOUND	8746819	30.310000	-89.245000	0.011	0.04
BAY WAVELAND YACHT CLUB, BAY ST. LOUIS	8747437	30.326389	-89.325778	0.000	0.00
WAVELAND, MISSISSIPPI SOUND	8747766	30.281700	-89.366700	0.007	0.02
PEARLINGTON, PEARL RIVER	8749704	30.240000	-89.615000	0.009	0.03
NORTH PASS	8760412	29.205000	-89.036700	0.019	0.06
DEVON ENERGY FACILITY, NORTH PASS	8760417	29.200750	-89.044467	0.014	0.05
SOUTH PASS	8760551	28.990000	-89.140000	0.007	0.02
BRETON ISLAND	8760595	29.493300	-89.173300	0.019	0.06
GRAND PASS	8760668	30.126700	-89.221700	0.006	0.02
PILOTTOWN	8760721	29.178300	-89.258300	0.015	0.05
COMFORT ISLAND	8760742	29.823300	-89.270000	0.014	0.05
SHELL OIL, EAST BAY	8760781	29.053300	-89.305000	0.015	0.05
VENICE, GRAND PASS	8760849	29.273300	-89.351700	0.025	0.08
OLGA COMPRESSOR STATION, GRAND BAY	8760889	29.386556	-89.380139	0.016	0.05
PILOTS STATION EAST, SOUTHWEST PASS	8760922	28.932200	-89.407500	0.007	0.02
PILOT STATION, SW PASS	8760943	28.925000	-89.418300	0.009	0.03
BAY GARDENE	8761108	29.598300	-89.618300	0.006	0.02
CHEVRON STATION 289, PELICAN ISLAND	8761198	29.266700	-89.598300	0.013	0.04
WEST PEARL RIVER	8761294	30.230000	-89.668300	0.018	0.06
SHELL BEACH, LAKE BORGNE	8761305	29.868111	-89.673250	0.008	0.03
U.S. HIGHWAY 90, THE RIGOLETS	8761402	30.166700	-89.736700	0.018	0.06
BILLET BAY COMMUNITY, BILLET BAY	8761414	29.371700	-89.751700	0.009	0.03

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GREENS DITCH, LAKE ST. CATHERINE	8761426	30.111700	-89.760000	0.021	0.07
RT. 433, BAYOU BONFOUCA	8761473	30.271700	-89.793300	0.008	0.03
LEASE VB #4, BAYOU DULAC	8761484	29.456700	-89.800000	0.009	0.03
CHEF MENTEUR, CHEF MENTEUR PASS	8761487	30.065000	-89.800000	0.006	0.02
MARTELLO CASTLE, LAKE BORGNE	8761529	29.945000	-89.835000	0.021	0.07
BIG POINT, LAKE PONTCHARTRAIN	8761534	30.228300	-89.853300	0.015	0.05
LAKE JUDGE PEREZ, HERMITAGE BAYO	8761602	29.558300	-89.883300	0.020	0.07
MICHLOUD SUBSTATION, ICWW	8761678	30.006700	-89.936700	0.017	0.05
ST. MARYS POINT, BARATARIA BAY	8761679	29.431700	-89.938300	0.009	0.03
GRAND ISLE, EAST POINT	8761724	29.263333	-89.956667	0.000	0.00
MENDICANT ISLAND, BARATARIA BAY	8761742	29.318300	-89.980000	0.009	0.03
M.V. PETROLEUM DOCK, BAYOU ST DENIS	8761799	29.496700	-90.025000	0.010	0.03
TEXACO DOCK, HACKBERRY BAY	8761819	29.401700	-90.038300	0.014	0.04
CHENIERE CAMINADA, CAMINADA PASS	8761826	29.210000	-90.040000	0.009	0.03
LAFITTE, BARATARIA WATERWAY	8761899	29.666700	-90.111700	0.008	0.03
USCG NEW CANAL STA., LAKE PONTCHARTRAIN	8761927	30.027167	-90.113417	0.008	0.03
CARROLLTON, MISSISSIPPI RIVER	8761955	29.932889	-90.135472	0.000	0.00
TEXACO GAS EXPLORATION DOCK, BAY RAMBO	8761962	29.361700	-90.140000	0.010	0.03
TCHEFUNCTA RIVER, LAKE PONT	8761993	30.378300	-90.160000	0.011	0.03
PORT FOURCHON, BELLE PASS	8762075	29.114250	-90.199250	0.007	0.02
LEEVILLE, BAYOU LAFOURCHE	8762084	29.248300	-90.211700	0.007	0.02
GOLDEN MEADOW, PLAISANCE CANAL	8762184	29.373300	-90.265000	0.010	0.03
EAST TIMBALIER ISLAND, TIMBALIER BAY	8762223	29.076700	-90.285000	0.010	0.03
SALVADOR WMA, LAKE SALVADOR	8762231	29.771700	-90.290000	0.028	0.09
EAST END, PASS MANCHAC	8762273	30.296700	-90.311700	0.010	0.03
EAST BANK 1, NORCO, BAYOU LABRANCHE	8762372	30.050333	-90.368000	0.009	0.03
WEST BANK 1, BAYOU GAUCHE	8762482	29.788556	-90.420194	0.009	0.03
E. ISLE DERNIERES, LAKE PELTO	8762888	29.071700	-90.640000	0.021	0.07
COCODRIE, TERREBONNE BAY	8762928	29.245000	-90.661700	0.004	0.01
TEXAS GAS PLATFORM, CAILLOU BAY	8763535	29.174778	-90.976444	0.011	0.04
STOUTS PASS AT SIX MILE LAKE	8764025	29.743300	-91.230000	0.024	0.08
BERWICK, ATCHAFALAYA RIVER, LA	8764044	29.667500	-91.237611	0.008	0.02
LAWMA, AMERADA PASS	8764227	29.449583	-91.338111	0.007	0.02
WEEKS BAY	8765148	29.837222	-91.837500	0.038	0.13
NEW IBERIA DRAINAGE CANAL	8765171	29.948300	-91.838300	0.039	0.13
CYPREMORT POINT	8765251	29.713361	-91.880000	0.010	0.03
FRESHWATER CANAL LOCKS	8766072	29.555000	-92.305000	0.008	0.03
LAKE CHARLES, CALCASIEU RIVER	8767816	30.223639	-93.221667	0.007	0.02
Bulk Terminal #1	8767961	30.190306	-93.300694	0.011	0.04
CALCASIEU PASS, EAST JETTY	8768094	29.768167	-93.342889	0.007	0.02
PORT ARTHUR, SABINE NACHES CANAL	8770475	29.866700	-93.930000	0.007	0.02
ANNIE'S LANDING, SAN JACINTO RIVER	8770501	29.818300	-95.078300	0.018	0.06
RAINBOW BRIDGE, NECHES RIVER	8770520	29.980000	-93.881700	0.005	0.02
MESQUITE POINT	8770539	29.766700	-93.895000	0.006	0.02
ROUND POINT, TRINITY BAY	8770559	29.713300	-94.690000	0.007	0.02
SABINE PASS NORTH	8770570	29.728400	-93.870100	0.001	0.00
SABINE PASS	8770590	29.705000	-93.853300	0.017	0.06
ORANGE (OLD NAVY BASE)	8770597	30.098300	-93.721700	0.007	0.02
MORGANS POINT, BARBOURS CUT	8770613	29.681700	-94.985000	0.002	0.01
UMBRELLA POINT, TRINITY BAY	8770625	29.680000	-94.868300	0.018	0.06
LYNCHBURG LANDING, SAN JACINTO RIVER	8770733	29.765000	-95.078300	0.006	0.02
BATTLESHIP TEXAS S.P, HOUSTON SHIP CHANN	8770743	29.756700	-95.090000	0.008	0.03
MANCHESTER, HOUSTON SHIP CHANNEL	8770777	29.726278	-95.265806	0.007	0.02

Station Name	STATION ID	Latitude	Longitude	Error in Meters	Error in Feet
HIGH ISLAND ICWW	8770808	29.594722	-94.390278	0.014	0.05
TEXAS POINT, SABINE PASS	8770822	29.689278	-93.841806	0.012	0.04
CLEAR LAKE	8770933	29.563300	-95.066700	0.005	0.02
ROLLOVER PASS	8770971	29.515000	-94.513300	0.006	0.02
EAGLE POINT, GALVESTON BAY	8771013	29.480000	-94.918300	0.002	0.01
PORT BOLIVAR, BOLIVAR ROADS	8771328	29.365000	-94.780000	0.006	0.02
GALVESTON BAY ENTRANCE, NORTH JETTY	8771341	29.357333	-94.724833	0.010	0.03
GALVESTON BAY ENTRANCE, SOUTH JETTY	8771416	29.326700	-94.693300	0.011	0.04
GALVESTON PIER 21, GALVESTON CHANNEL	8771450	29.310000	-94.793300	0.000	0.00
GALVESTON RAILROAD BRIDGE	8771486	29.302583	-94.897083	0.021	0.07
GALVESTON PLEASURE PIER	8771510	29.285300	-94.789400	0.000	0.00
SAN LUIS PASS, WEST BAY	8771972	29.095000	-95.113300	0.014	0.04
CHRISTMAS BAY	8772132	29.041700	-95.175000	0.009	0.03
FREEPORT, DOW BARGE CANAL	8772440	28.948300	-95.308300	0.000	0.00
USCG FREEPORT, FREEPORT ENTR CHANNEL	8772447	28.943306	-95.302500	0.007	0.02
SARGENT, ICWW	8772985	28.771639	-95.616833	0.034	0.11
SEADRIFT, SAN ANTONIO BAY	8773037	28.408300	-96.711700	0.008	0.02
EAST MATAGORDA, TX	8773146	28.710000	-95.913889	0.021	0.07
PORT LAVACA, LAVACA CAUSEWAY	8773259	28.640000	-96.595000	0.010	0.03
PORT O'CONNOR, MATAGORDA BAY	8773701	28.451700	-96.388300	0.009	0.03
NORTH MATAGORDA	8773963	28.333300	-96.461700	0.015	0.05
ARANSAS WILDLIFE REFUGE, SAN ANTONIO BAY	8774230	28.228300	-96.795000	0.015	0.05
COPANO BAY STATE FISHING PIER	8774513	28.118300	-97.021700	0.007	0.02
ROCKPORT, ARANSAS BAY	8774770	28.021700	-97.046700	0.000	0.00
WHITE POINT BAY	8775188	27.858300	-97.475000	0.009	0.03
PORT ARANSAS	8775237	27.838300	-97.073300	0.011	0.04
Nueces Bay, TX	8775244	27.832750	-97.485944	0.018	0.06
PORT ARANSAS, H. CALDWELL PIER	8775270	27.826700	-97.050000	0.039	0.13
PORT INGLESIDE, CORPUS CHRISTI BAY	8775283	27.821700	-97.203300	0.004	0.01
TEXAS STATE AQUARIUM, CORPUS CHRISTI	8775296	27.811700	-97.390000	0.004	0.01
CORPUS CHRISTI NAVAL AIR STATION	8775421	27.705000	-97.280000	0.006	0.02
PACKERY CHANNEL	8775792	27.633300	-97.236700	0.006	0.02
BOB HALL PIER, CORPUS CHRISTI	8775870	27.580000	-97.216700	0.001	0.00
BIRD ISLAND	8776139	27.480000	-97.321700	0.007	0.02
BAFFIN BAY	8776604	27.295000	-97.405000	0.009	0.03
YARBROUGH PASS	8776687	27.166700	-97.433300	0.014	0.04
RINCON DEL SAN JOSE	8777812	26.825000	-97.491700	0.007	0.02
PORT MANSFIELD	8778490	26.554583	-97.422111	0.005	0.02
REALITOS PENINSULA	8779280	26.262222	-97.285361	0.019	0.06
QUEEN ISABELLA CAUSEWAY, PADRE ISLAND	8779724	26.078300	-97.170000	0.011	0.04
W QUEEN ISABELLA CAUSEWAY, PORT ISABEL	8779739	26.071700	-97.191700	0.008	0.03
SOUTH PADRE ISLAND COAST GUARD STATION	8779748	26.076700	-97.176700	0.007	0.02
PADRE ISLAND, BRAZOS SANTIAGO PASS	8779750	26.068300	-97.156700	0.008	0.03
SOUTH BAY	8779768	26.051700	-97.181700	0.008	0.03
PORT ISABEL, LAGUNA MADRE	8779770	26.060000	-97.215000	0.000	0.00
PORT OF BROWNSVILLE	8779977	25.951700	-97.401700	0.029	0.10