

APPENDIX F

NOAA MARINE OBSERVATIONAL NETWORK

Table F-1. Moored buoy locations and configurations

SITE	STATION ID	LOCATION	HULL SIZE (m)	ANEMOMETER HEIGHT (m)
GULF OF MEXICO	42001	25.9°N 89.7°W	10	10
	42002	25.9°N 93.6°W	10	10
	42003	25.9°N 85.9°W	10	10
	42007 ¹	30.1°N 88.8°W	3	5
	42019 ¹	27.9°N 95.4°W	3	5
	42020 ¹	26.9°N 96.7°W	3	5
	42035 ¹	29.2°N 94.4°W	3	5
	42036 ¹	28.5°N 84.5°W	3	5
	42039 ¹	28.8°N 86.0°W	3	5
	42040 ¹	29.2°N 88.3°W	3	5
	42041	27.2°N 90.6°W	3	5
ATLANTIC OCEAN	41001	34.7°N 72.6°W	6	5
	41002	32.3°N 75.2°W	6	5
	41004 ¹	32.5°N 79.1°W	3	5
	41008	31.4°N 80.9°W	3	5
	41009 ¹	28.5°N 80.2°W	3	5
	41010 ¹	28.9°N 78.5°W	6	5
	44004	38.5°N 70.7°W	6	5
	44005	42.9°N 68.9°W	6	5
	44007 ¹	43.5°N 70.1°W	3	5
	44008	40.5°N 69.4°W	3	5
	44009	38.5°N 74.7°W	3	5
	44011 ¹	41.1°N 66.6°W	6	5
	44013 ¹	42.4°N 70.7°W	3	5
	44014 ¹	36.6°N 74.8°W	3	5
	44025 ¹	40.3°N 73.2°W	3	5
PACIFIC OCEAN (SOUTH OF 45°N)	46002	42.5°N 130.3°W	6	5
	46006	40.8°N 137.5°W	6	5
	46011 ¹	34.9°N 120.9°W	3	5
	46012 ¹	37.4°N 122.7°W	3	5
	46013 ¹	38.2°N 123.3°W	3	5
	46014 ¹	39.2°N 124.0°W	3	5
	46022 ¹	40.8°N 124.5°W	3	5
	46023 ¹	34.7°N 121.0°W	3	5
	46025 ¹	33.8°N 119.1°W	3	5
	46026 ¹	37.8°N 122.8°W	3	5
	46027 ¹	41.9°N 124.4°W	3	5
	46028 ¹	35.7°N 121.9°W	3	5
	46029	46.1°N 124.5°W	3	5
	46030 ¹	40.4°N 124.5°W	3	5
	46042 ¹	36.8°N 122.4°W	3	5
	46047	32.4°N 119.5°W	3	5
	46050 ¹	44.6°N 124.5°W	3	5
	46053 ¹	34.2°N 119.8°W	3	5
	46054 ¹	34.3°N 120.4°W	10	10
	46059 ¹	38.0°N 130.0°W	6	5
	46062 ¹	35.1°N 121.0°W	10	10
	46063 ¹	34.3°N 120.7°W	6	5
	51001	23.4°N 162.3°W	6	6
	51002	17.2°N 157.8°W	6	6
	51003	19.2°N 160.7°W	6	6
	51004	17.4°N 152.5°W	6	5
	51028 ¹	0.0°N 153.9°W	3	5

¹Temporary site established with other special funding.

Table F-2. C-MAN sites

SITE	STATION ID	LOCATION	STATION NAME
GULF OF MEXICO	BURL1	28.9°N 89.4°W	Southwest Pass, LA
	CDRF1 ¹	29.1°N 83.0°W	Cedar Key, FL
	CSBF1	29.7°N 85.4°W	Cape San Blas, FL
	DPIA1	30.3°N 88.1°W	Dauphin Island, AL
	DRYF1 ¹	24.6°N 82.9°W	Dry Tortugas, FL
	GDIL1	29.3°N 90.0°W	Grand Isle, LA
	KTNF1 ¹	29.8°N 83.6°W	Keaton Beach, FL
	LONF1 ¹	24.8°N 80.9°W	Long Key, FL
	PTAT2	27.8°N 97.1°W	Port Aransas, TX
	SRST2	29.7°N 94.1°W	Sabine, TX
	VENF1	27.1°N 82.4°W	Venice, FL
ATLANTIC OCEAN	ALSN6	40.5°N 73.8°W	Ambrose Light, NY
	BUZM3	41.4°N 71.0°W	Buzzards Bay, MA
	CHLV2	36.9°N 75.7°W	Chesapeake Light, VA
	CLKN7	34.6°N 76.5°W	Cape Lookout, NC
	DSL7	35.2°N 75.3°W	Diamond Shoals, NC
	DUCN7	36.2°N 75.8°W	Duck Pier, NC
	FBIS1	32.7°N 79.9°W	Folly Island, SC
	FPSN7	33.5°N 77.6°W	Frying Pan Shoals, NC
	FWYF1 ¹	25.6°N 80.1°W	Fowey Rocks, FL
	IOSN3	43.0°N 70.6°W	Isle of Shoals, NH
	LKWF1	26.6°N 80.0°W	Lake Worth, FL
	MDRM1	44.0°N 68.1°W	Mt. Desert Rock, ME
	MISM1	43.8°N 68.9°W	Matinicus Rock, ME
	MLRF1	25.0°N 80.4°W	Molasses Reef, FL
	SANF1 ¹	24.5°N 81.9°W	Sand Key, FL
	SAUF1	29.9°N 81.3°W	St. Augustine, FL
	SMKF1	24.6°N 81.1°W	Sombrero Key, FL
	SPGF1	26.7°N 79.0°W	Settlement Point, GBI
TPLM2	38.9°N 76.4°W	Thomas Point, MD	
EASTERN PACIFIC OCEAN (SOUTH OF 45°N)	CARO3	43.3°N 124.4°W	Cape Arago, OR
	NWPO3	44.6°N 124.1°W	Newport, OR
	PTAC1	39.0°N 123.7°W	Point Arena, CA
	PTGC1	34.6°N 120.6°W	Point Arguello, CA

¹Temporary site established with other special funding.

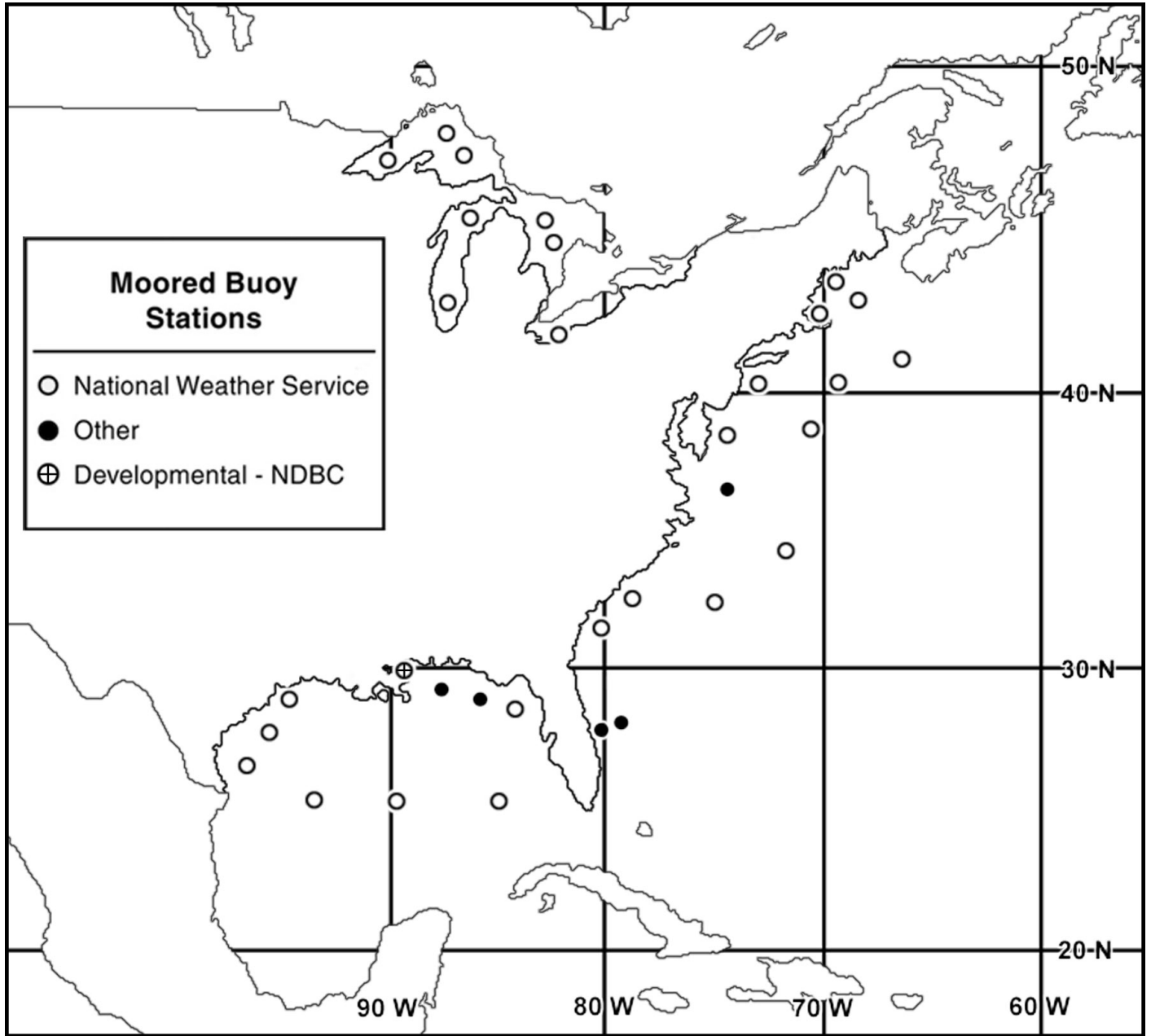


Figure F-1. NDBC moored buoy locations in the Atlantic Ocean, the Gulf of Mexico, and the Great Lakes

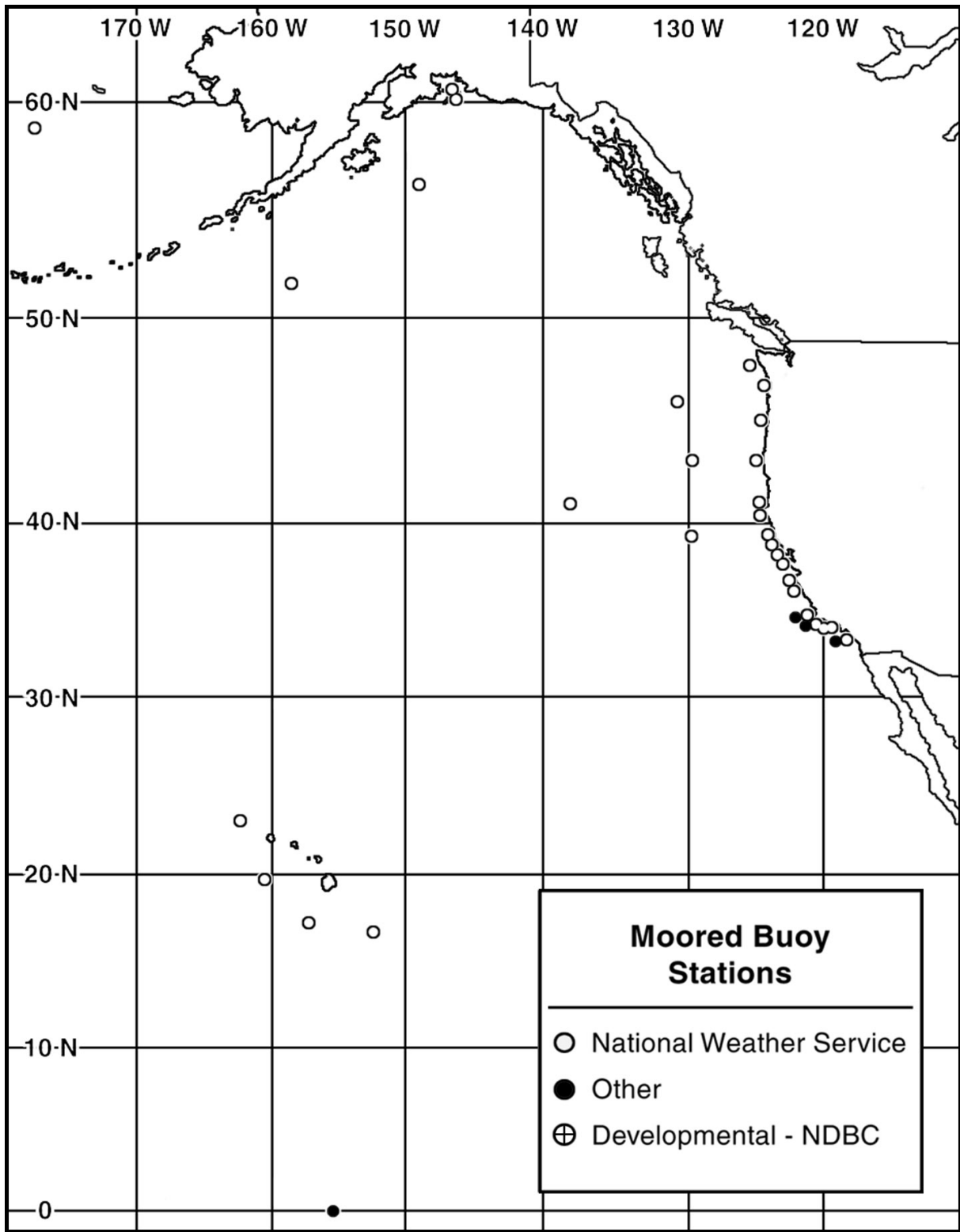


Figure F-2. NDBC moored buoys in the Pacific Ocean

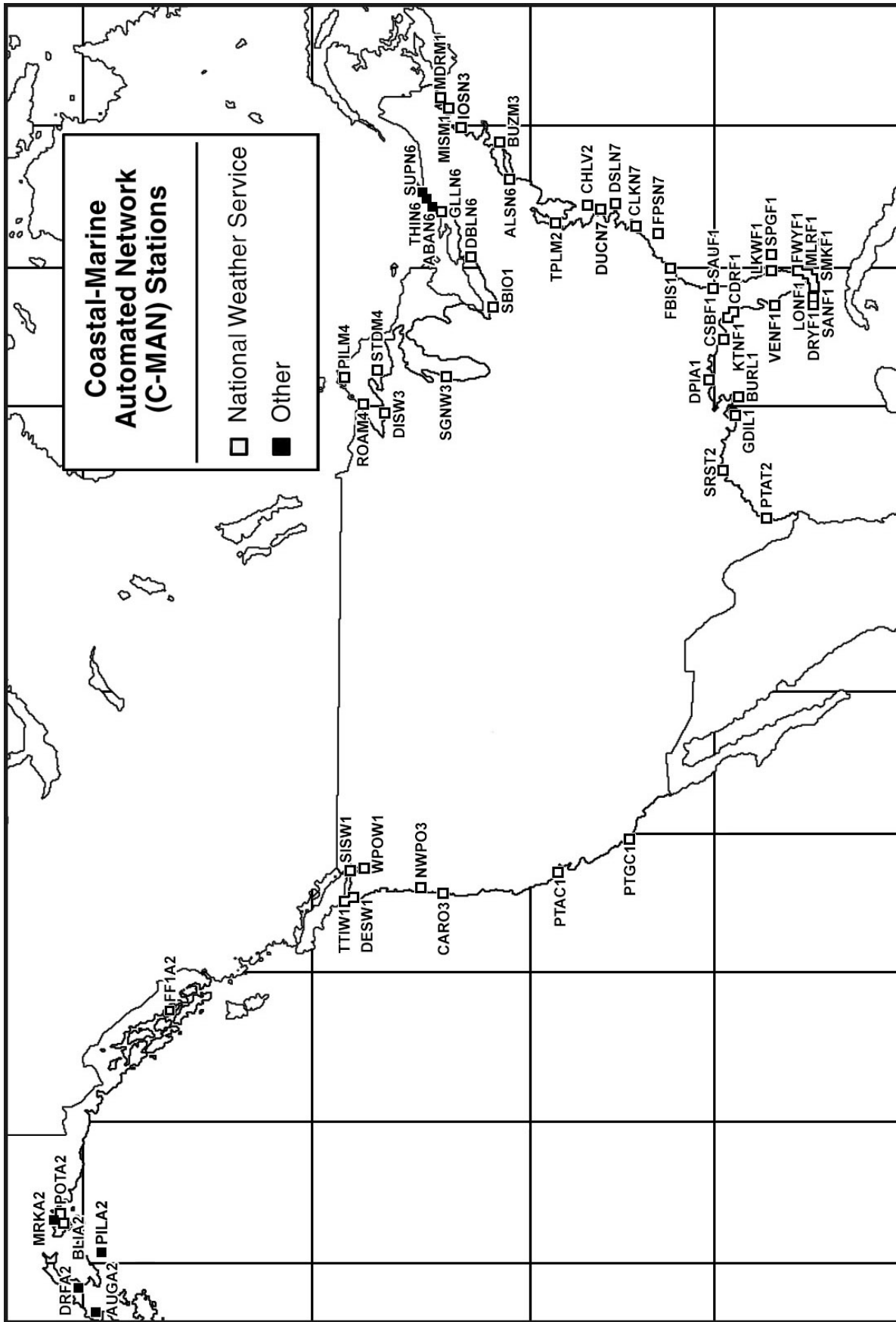


Figure F-3. C-MAN stations in the coastal U.S.

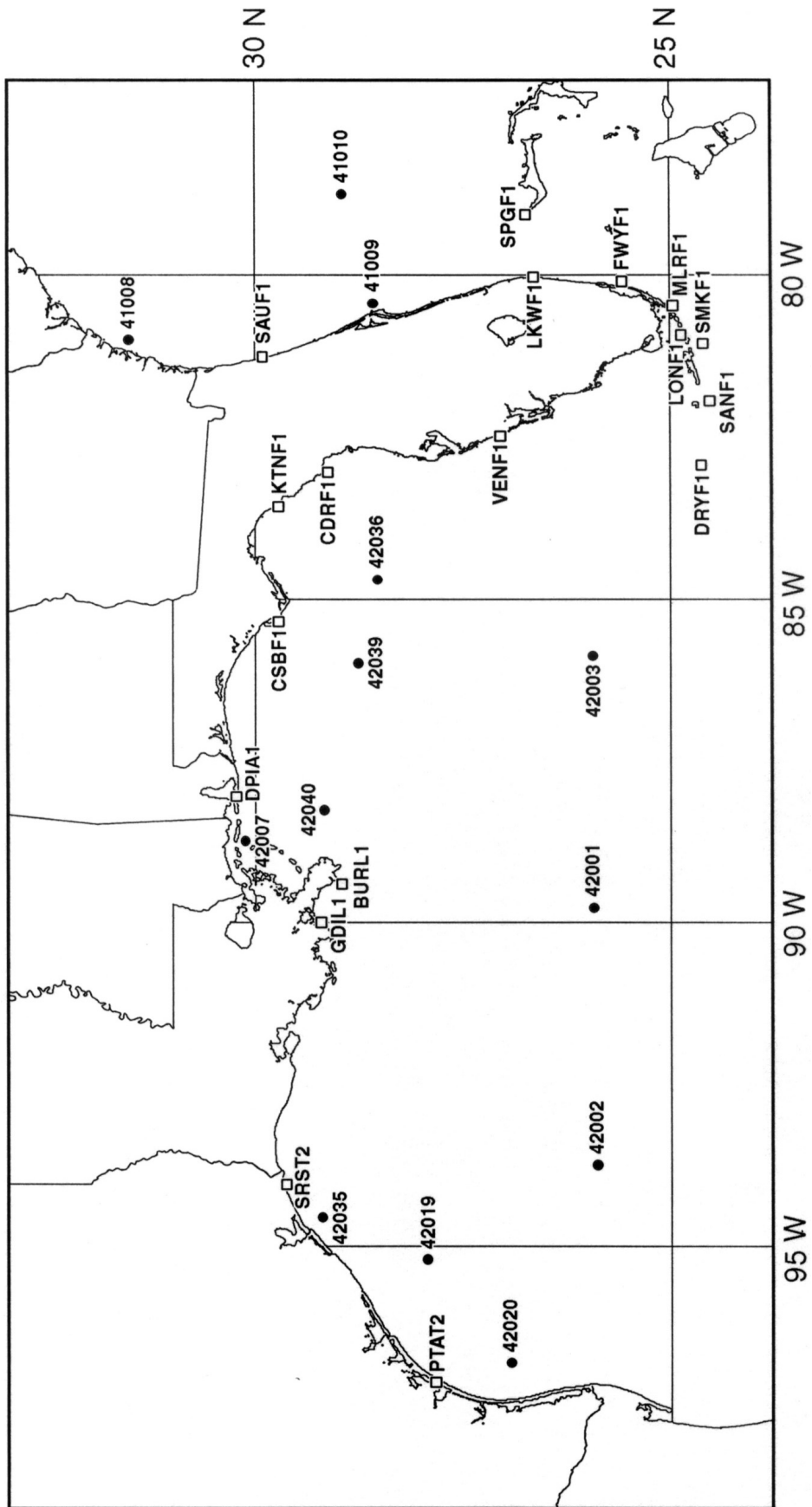


Figure F-4. NDBC planned and current Gulf of Mexico moored buoy network

Table F-3. Code forms for moored data buoys, C-MAN stations, and drifting buoys

FORM	CODE
FM 13-IX (SHIP) REPORT OF SYNOPTIC SURFACE OBSERVATION FROM A SEA STATION (AUTOMATIC WEATHER STATION)	<p>M_iM_iM_jM_j A₁b_wn_bn_bn_b YYGGi_w 99L_aL_aL_a Q_cL_oL_oL_oL_o</p> <p>i_ix_{///} /ddff 1s_nTTT (2s_nT_dT_dT_d) 4PPPP 5appp 9GGgg</p> <p>22200 Q_sT_wT_wT_w 1P_{wa}P_{wa}H_{wa}H_{wa} 70 H_{wa}H_{wa}H_{wa} 8s_wT_bT_bT_b</p> <p>333 912ff (00fff)</p> <p>555 11fff 22fff (3GGgg 4ddf_mf_m)</p> <p>(6G_cG_cg_cg_c d₁d₁d₁f₁f₁f₁ d₆d₆d₆f₆f₆f₆) d₂d₂d₂f₂f₂f₂ d₃d₃d₃f₃f₃f₃ d₄d₄d₄f₄f₄f₄ d₅d₅d₅f₅f₅f₅</p>
U.S. NATIONAL (C-MAN LAND STATION) MODIFIED FM 12-IX	<p>CMAN YYGGi_w</p> <p>XXXXn_i i_Rx_ihVV Nddff (00fff) 1s_nTTT 2s_nT_dT_dT_d 4PPPP 5appp 6RRRt_R 9GGgg</p> <p>222// 0s_nT_wT_wT_w 1_{wa}P_{wa}P_{wa}H_{wa}H_{wa} 70H_{wa}H_{wa}H_{wa}</p> <p>333 912ff (00fff)</p> <p>444 1P_{av}P_{av}P_{av}/</p> <p>555 11fff 22fff (3GGgg) (4ddf_mf_mf_m)</p> <p>(6G_cG_cg_cg_c d₁d₁d₁f₁f₁f₁ d₆d₆d₆f₆f₆f₆) d₂d₂d₂f₂f₂f₂ (TIDE1111) d₃d₃d₃f₃f₃f₃ d₄d₄d₄f₄f₄f₄ d₅d₅d₅f₅f₅f₅</p>
FM 18 BUOY REPORT OF A DRIFTING BUOY OBSERVATION	<p>Section 0: <u>ZZYY</u> Q_cL_aL_aL_aL_aL_a <u>A</u>₁b_wn_bn_bn_b L₀L₀L₀L₀L₀ YYMMJ (6Q₁Q_r//) GGggi_w</p> <p>Section 1: <u>111</u>Q_dQ_x <u>Q</u>ddff ((2s_nT_dT_dT_d) (3P_oP_oP_o) or (1s_nTTT) (29UUU)) (4PPPP) (5appp)</p> <p>Section 2: <u>222</u>Q_dQ_x (0S_nT_wT_wT_w) (20P_{wa}P_{wa}P_{wa}) (1P_{wa}P_{wa}H_{wa}H_{wa}) (21H_{wa}H_{wa}H_{wa})</p> <p>Section 3: <u>333</u>Q_{d1}Q_{d2} (8887k₂ 2z₀z₀z₀z₀ 3T₀T₀T₀T₀ 4S₀S₀S₀S₀) 2z_nz_nz_nz_n 3T_nT_nT_nT_n 4S_nS_nS_nS_n) (66k₆9k₃ 2z₀z₀z₀z₀ d₀d₀c₀c₀c₀) 2z_nz_nz_nz_n d_nd_nc_nc_nc_n)</p> <p>Section 4: <u>444</u> ((Q_cL_aL_aL_aL_aL_a (7V_BV_Bd_Bd_B) (1Q_pQ₂Q₄) L₀L₀L₀L₀L₀) (8V_iV_iV_iV_i) or (2Q_nQ₁//) (YYMMJ GGggL)) (9i_dZ_dZ_dZ_dZ_d)</p>