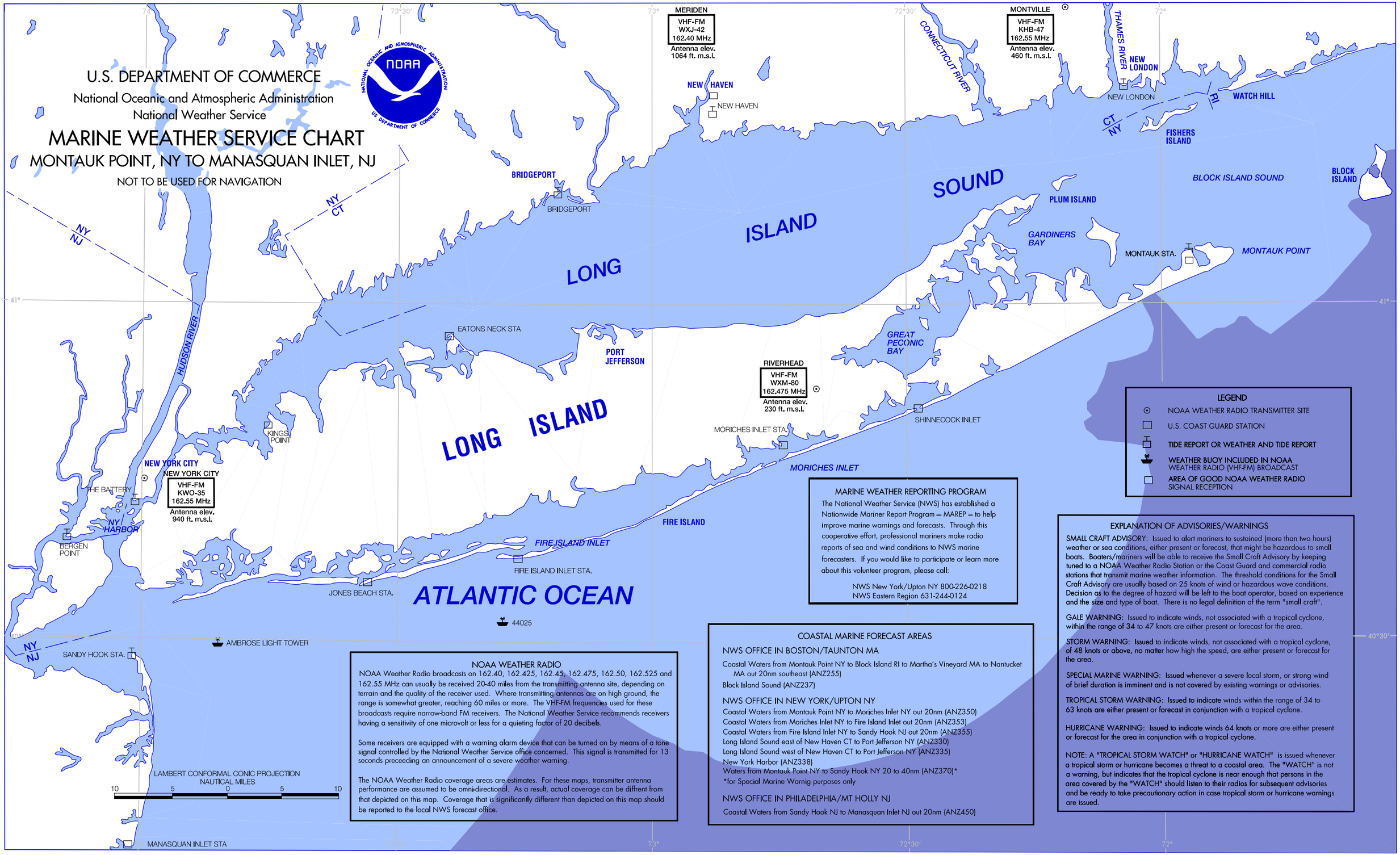

MARINE WEATHER REPORTING PROGRAM

The National Weather Service (NWS) has established a Nationwide Mariner Report Program — MAREP — to help improve marine warnings and forecasts. Through this cooperative effort, professional mariners make radio reports of sea and wind conditions to NWS marine forecasters. If you would like to participate or learn more about this volunteer program, please call:

NWS New York/Upton NY 800-226-0218
NWS Eastern Region 631-244-0124

EXPLANATION OF ADVISORIES/WARNINGS

SMALL CRAFT ADVISORY: Issued to alert mariners to sustained (more than two hours) weather or sea conditions, either present or forecast, that might be hazardous to small boats. Boaters/mariners will be able to receive the Small Craft Advisory by keeping tuned to a NOAA Weather Radio Station or the Coast Guard and commercial radio stations that transmit marine weather information. The threshold conditions for the Small Craft Advisory are usually based on 25 knots of wind or hazardous wave conditions. Decision as to the degree of hazard will be left to the boat operator, based on experience and the size and type of boat. There is no legal definition of the term "small craft".

GALE WARNING: Issued to indicate winds, not associated with a tropical cyclone, within the range of 34 to 47 knots are either present or forecast for the area.

STORM WARNING: Issued to indicate winds, not associated with a tropical cyclone, of 48 knots or above, no matter how high the speed, are either present or forecast for the area.

SPECIAL MARINE WARNING: Issued whenever a severe local storm, or strong wind of brief duration is imminent and is not covered by existing warnings or advisories.

TROPICAL STORM WARNING: Issued to indicate winds within the range of 34 to 63 knots are either present or forecast in conjunction with a tropical cyclone.

HURRICANE WARNING: Issued to indicate winds 64 knots or more are either present or forecast for the area in conjunction with a tropical cyclone.

NOTE: A "TROPICAL STORM WATCH" or "HURRICANE WATCH" is issued whenever a tropical storm or hurricane becomes a threat to a coastal area. The "WATCH" is not a warning, but indicates that the tropical cyclone is near enough that persons in the area covered by the "WATCH" should listen to their radios for subsequent advisories and be ready to take precautionary action in case tropical storm or hurricane warnings are issued.

NOAA WEATHER RADIO

NOAA Weather Radio broadcasts on 162.40, 162.425, 162.45, 162.475, 162.50, 162.525 and 162.55 MHz can usually be received 20-40 miles from the transmitting antenna site, depending on terrain and the quality of the receiver used. Where transmitting antennas are on high ground, the range is somewhat greater, reaching 60 miles or more. The VHF-FM frequencies used for these broadcasts require narrow-band FM receivers. The National Weather Service recommends receivers having a sensitivity of one microvolt or less for a quieting factor of 20 decibels.

Some receivers are equipped with a warning alarm device that can be turned on by means of a tone signal controlled by the National Weather Service office concerned. This signal is transmitted for 13 seconds preceeding an announcement of a severe weather warning.

The NOAA Weather Radio coverage areas are estimates. For these maps, transmitter antenna performance are assumed to be omni-directional. As a result, actual coverage can be diffrent from that depicted on this map. Coverage that is significantly different than depicted on this map should be reported to the local NWS forecast office.

COASTAL MARINE FORECAST AREAS

NWS OFFICE IN BOSTON/TAUNTON MA

Coastal Waters from Montauk Point NY to Block Island RI to Martha's Vineyard MA to Nantucket MA out 20nm southeast (ANZ255)

Block Island Sound (ANZ237)

NWS OFFICE IN NEW YORK/UPTON NY

Coastal Waters from Montauk Point NY to Moriches Inlet NY out 20nm (ANZ350)
Coastal Waters from Moriches Inlet NY to Fire Island Inlet out 20nm (ANZ353)
Coastal Waters from Fire Island Inlet NY to Sandy Hook NJ out 20nm (ANZ355)
Long Island Sound east of New Haven CT to Port Jefferson NY (ANZ330)
Long Island Sound west of New Haven CT to Port Jefferson NY (ANZ335)
New York Harbor (ANZ338)
Waters from Montauk Point NY to Sandy Hook NY 20 to 40nm (ANZ370)*
*for Special Marine Warnig purposes only

NWS OFFICE IN PHILADELPHIA/MT HOLLY NJ

Coastal Waters from Sandy Hook NJ to Manasquan Inlet NJ out 20nm (ANZ450)

USCOMM-NOAA-DC-A5741
NOAA-PA-200360

DISCREPANCY REPORTS SOLICITED
Reports of discrepancies in this chart and any other comments are appreciated and will be used in preparing the next edition.

email: marine.weather@noaa.gov

MSC-2—MONTAUK POINT, NY TO MANASQUAN INLET, NJ

MSC-2—MONTAUK POINT, NY TO MANASQUAN INLET, NJ

MSC-2—MONTAUK POINT, NY TO MANASQUAN INLET, NJ

NOAA WEATHER RADIO BROADCASTS

CITY	STATION	FREQUENCY	BROADCAST TIMES
Meriden, CT	WXJ-42	162.400 MHz	Continuously, 24 hrs a day
Montville, CT	KHB-47	162.550 MHz	Continuously, 24 hrs a day
New York City, NY	KWO-35	162.550 MHz	Continuously, 24 hrs a day
Riverhead, NY	WXM-80	162.475 MHz	Continuously, 24 hrs a day

These VHF-FM radio stations (locations shown on the map) are managed by the National Weather Service. Forecasts are updated every 3 to 6 hours and amended as needed. Current observations are undated every hour. Contents vary, but in general contain the following types of information:

1. Weather synopsis.
2. Regional forecasts out 7 days.
3. Marine forecasts and warnings for coastal waters.
4. Marine forecasts for offshore waters.
5. Hourly weather observations including buoy reports.
6. Short term forecasts (NOWCASTS).
7. Watches, warnings, advisories, statements and bulletins concerning adverse and severe weather.
8. High tide times for selected locations.

BROADCASTS OF MARINE WEATHER FORECASTS BY US COAST GUARD RADIO STATIONS

The fifth U.S. Coast Guard District stations listed below announce all Broadcast Notice to Mariners (initial call–up) on 2182 kHz (SSB) and /or 156.8 MHz (channel 16 VHF–FM) and shift to 2670 kHz (SSB) and /or 157.1 MHz (channel 22A VHF–FM) where the complete text is broadcast. These stations broadcast marine information and weather information upon receipt and on the following listed times and frequencies.

STATION	CARRIER FREQUENCY (kHz)	BROADCAST TIMES/UTC
Coast Guard Group, Eastern Shore	Ch. 22A 2670 kHz	0200, 1145 0233, 1403
Coast Guard Group, Hampton Roads	Ch. 22A 2670 kHz	0230, 1120 0203, 1333
Coast Guard Group, Cape Hatteras	Ch. 22A 2670 kHz	0100, 1055 0133, 1303
Coast Guard Group, Fort Macon	Ch. 22A 2670 kHz	0103, 1233 0103, 1233
Coast Guard Group, Cape May	Ch. 22A 2670 kHz	1103, 2303 1103, 2203
Coast Guard Group, Baltimore	Ch. 22A 2670 kHz	0130, 1205
Chesapeake (NMN), CAMSLANT	518 NAVTEX "N"	0130, 0530, 0930 1330, 1730, 2130

HIGH SEAS RADIOTELEPHONE WEATHER BROADCASTS FOR THE ATLANTIC

CITY	STATION	CARRIER FREQ. (kHz)	BROADCAST TIMES/UTC
CHESAPEAKE, VA (USCG)	NMN	4426.0	0330, 0500, 0930
		6501.0	0330, 0500, 0930, 1130 1600, 2200, 2300
		8764.0	0330, 0500, 0930, 1130 1600, 1730, 2200, 2300
		13089.0	1130, 1600, 1730, 2200 2300
		17314.0	1730

HIGH SEAS RADIOTELEX (SITOR) WEATHER BROADCASTS FOR THE ATLANTIC

CITY	STATION	ASSIGNED FREQ. (kHz)	BROADCAST TIMES/UTC
BOSTON, MA (USCG)	NMF	6314.0	0140, 1130
		8416.5	0140, 1630
		12579.0	0140, 1630
		16806.5	1630

RADIO WWV/WWVH STORM INFORMATION BROADCASTS

HIGH SEAS STORM INFORMATION for the North Atlantic and North Pacific is provided to mariners through a cooperative program of two Department of Commerce agencies: the National Weather Service of the National Oceanic and Atmospheric Administration and the National Institute of Standards and Technology. Bulletins are compiled by the National Weather Service and broadcast every hour by the National Institute of Standards and Technology's Frequency and Time Broadcast Services Radio Stations — WWV, Fort Collins, Colorado and WWVH, Kauai, Hawaii. These are the radio stations that sailors and others listen to for daily time checks.

WWV (BOULDER, CO)
FREQUENCIES : 2.5, 5, 10, 15, 20 MHz

The weather broadcast is in 45-second segments separated by a 15-second interval.

TIMES OF BROADCAST	BROADCAST AREA
7 minutes past the hour	Atlantic High Seas Warning
8 minutes past the hour	Atlantic High Seas Warning

DIAL-A-BUOY

Mariners can obtain the latest coastal and offshore weather observations through a telephone service called Dial-A-Buoy. This service provides wind and wave measurements taken within the last hour at stations located in the Atlantic, Pacific, Gulf of Mexico, and Great Lakes.

To access Dial-A-Buoy, dial 288/688-1948 using a touch tone or cellular phone. Enter the five-digit station identifier when prompted. The Dial-A-Buoy menu tree has a selection for the caller to receive a map of buoy station identifiers via return call fax. Station identifiers can also be obtained at the following web site: http://www.ndbc.noaa.gov.

THE ATLANTIC RADIOFACSIMILE BROADCAST SCHEDULE IS POSTED AT:
HTTP://WWW.MPC.NCEP.NOAA.GOV/
Then click Atlantic FAX.

Comments on the schedule or quality of charts
Email: Timothy.Rulon@noaa.gov

SPECIAL WEATHER NOTES

Block Island to Manasquan Inlet

Wave height forecasts are for average wave conditions to be encountered in open coastal waters except if otherwise indicated. Values are for waves produced by wind and do not take into account areas of normally higher or steeper waves found near bars, shoals or restricted entrances into sounds or inlets. Occasionally, waves can combine and peak out at twice the forcast value. Where possible, swell waves will be seperately described.

WEATHER RULES FOR SAFE BOATING

Before setting out:

Obtain the latest avaliable weather forecast for the boating area. The NOAA Weather Radio continuous broadcasts (VHF-FM) are the best way to keep informed of expected weather and sea conditions. If you hear on the radio that warnings are in effect, don't venture out on the water unless you are confident your boat can be navigated safely under forecast conditions of wind and sea.

While afloat:

1. Keep a weather eye out for: the approach of dark, threatening clouds, which may foretell a squall or thunderstorm; any steady increase in wind or sea; any increase in wind velocity opposite in direction to a strong tidal current. A dangerous rip current condition may form steep waves capable of broaching a boat.
2. Check radio weather broadcasts for latest forecasts and warnings.
3. Heavy static on your AM radio may be an indication of nearby thunderstorm activity.
4. If a thunderstorm catches you while afloat, you should remember that not only gusty winds but also lightning poses a threat to safety.
   - stay below deck if possible.
   - keep away from metal objects that are not grounded to the boat's protection system.
   - don't touch more than one grounded object at the same time (or you may become a shortcut for electrical surges passing through the protection system).
   - put on a life jacket and prepare for rough sea conditions.
   - have enough life jackets for all on board.

NWS OFFICE	TELEPHONE	OFFICE HOURS
New York/Upton, NY	631-924-0517	9:00a - 5:00p M - F Recorded forcasts only at other times
Philadelphia/Mt Holly, NJ	609-261-6600	7:30a - 2:30p M - F Recorded forcasts only at other times
Boston/Taunton, MA	508-828-2672 508-822-0634* *recorded forecasts only	8:00a - 5:00p M - F 24 hours

BUOY AND C-MAN DATA AVAILABLE VIA E-MAIL (FTPMAIL)

Current buoy and C-MAN data is now available in a very compact form via http:, ftp, or e-mail (FTPMAIL).

Via http:
http://www.ndbc.noaa.gov/data/latest_obs/

Via ftp:
ftp://www.ndbc.noaa.gov/data/latest_obs/

Via e-mail (FTPMAIL)
http://weather.noaa.gov/pub/fax/buoydata.txt (instructions)

Send an e-mail to: ftpmail@weather.noaa.gov
Subject Line: Put anything you like
Body: open www.ndbc.noaa.gov
cd data
cd latest_obs
get 42007.txt
get gdil1.txt
quit

INTERNET ADDRESSES

National Weather Service Current Weather Data
http://www.weather.gov

National Weather Service Marine Dissemination and Forecasts
http://www.nws.noaa.gov/om/marine/home.htm

National Data Buoy Center
http://seaboard.ndbc.noaa.gov

U.S. Coast Guard Navigation Center
http://www.navcen.uscg.gov/marcomms

National Weather Service New York/Upton Office
http://www.erh.noaa.gov/er/okx

National Weather Service Boston/Taunton Office
http://www.erh.noaa.gov/er/box

National Weather Service Philadelphia/Mt. Holly Office
http://www.erh.noaa.gov/er/phi

National Weather Service Eastern Region Headquarters
http://weather.erh.noaa.gov/er/hq

National Weather Service Radiofax Products
http://weather.noaa.gov/fax/marine.shtml

NATIONAL WEATHER SERVICE PRODUCTS AND TEXT FORCASTS AVAILABLE VIA E-MAIL (FTPMAIL)

National Weather Service radiofax charts and text forecasts are available via E-mail. The FTPMAIL server is intended to allow Internet access for mariners and other users who do not have direct access to the World Wide Web but who are equipped with an e-mail system. Turnaround is generally in under three hours, however, performance may vary widely and receipt cannot be guaranteed. To get started in using the NWS FTPMAIL service, follow these simple directions to the FTPMAIL "help" file (7 bytes).

Address: ftpmail@weather.noaa.gov
Subject: (not required)
Body: help

Direct any questions to 301-713-1677, extension 128,
or 301-713-0882, extension 122.

OTHER MARINE WEATHER SERVICES CHARTS AVAILABLE

MSC-1	Eastport, ME to Montauk Point, NY
MSC-2	Montauk Point, NY to Manasquan, NJ
MSC-3	Manasquan, NJ to Cape Hatteras, NC
MSC-4	Cape Hatteras, NC to Savannah, GA
MSC-5	Savannah, GA to Apalachicola, FL
MSC-6	Apalachicola, FL to Morgan City, LA
MSC-7	Morgan City, LA to Brownsville, TX
MSC-8	Mexican Border to Point Conception, CA
MSC-9	Point Conception, CA to Point St. George, CA
MSC-10	Point St. George, CA to Canadian Border
MSC-11/12	Great Lakes
MSC-13	Hawaiian Waters
MSC-14	Puerto Rico and Virgin Islands
MSC-15	Alaskan Waters
MSC-16	Guam and the Northern Mariana Islands

Copies of these charts can be ordered from:

FAA/National Aeronautical Charting Office
Distribution Division, AVN-530
6303 Ivy Lane, Suite 400
Greenbelt, MD 20770
(301) 436-8301
(800) 638-8972 toll free, U.S. only
(301) 436-6829 FAX
Email: 9-AMC-chartsales@faa.gov
http://chartmaker.ncd.noaa.gov
or your local chart agent: http://chartmaker.ncd.noaa.gov/nsd/states.html

USCOMM-NOAA-DC-A5741
NOAA-PA-200360