

Radio-Fax Frequencies

OPC Products:

Atlantic:

4235, 6340.5, 9110, 12750 kHz
Schedule transmitted at: 0243/1405Z

Pacific:

4346, 8682, 12786, 17151.2, 22527, 12750 kHz
Schedule transmitted at: 1124/2324Z

Gulf of Alaska:

2054, 4298, 8459, 12412.5 kHz
Schedule transmitted at: 1727Z

Other NWS Marine Forecast Office Products:

Gulf of Mexico:

4317.9, 8503.9, 12789.9, 17146.4 kHz
Schedule transmitted at: 2025Z

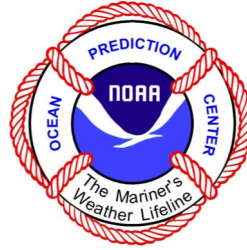
Hawaii:

9982.5, 11090, 16135 kHz
Schedule transmitted at: 1300/0100Z



NOAA Ship *Miller Freeman* in heavy seas.

Over 150 forecast products are issued daily at OPC to ensure the safety of life and property at sea. Although the majority of OPC's customers are trans-oceanic commercial vessels, fishing vessels and recreational boaters rely heavily on OPC's forecasts for their daily operations and decision making.



CONTACT INFORMATION:

Thomas Cuff, Director, Ocean Prediction Center
Thomas.Cuff@noaa.gov

National Oceanic and Atmospheric Administration
NWS/National Centers for Environmental Prediction
Ocean Prediction Center, NCWCP, W/NP41
5830 University Research Court
College Park, MD 20740-3818

(301) 683-1495
www.opc.ncep.noaa.gov



facebook.com/
NWSOPC



youtube.com/
NWSOPC



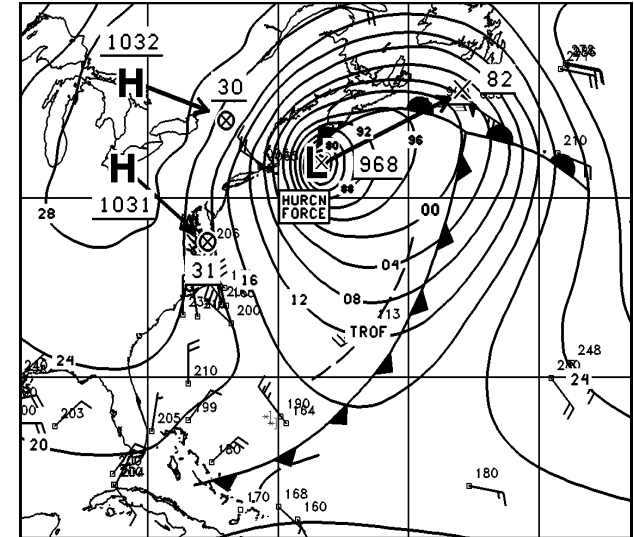
@nwsopc



Ocean Prediction Center



AN INTRODUCTION TO OPC PRODUCTS



February 09, 2013, a hurricane force low pressure churns across the offshore waters

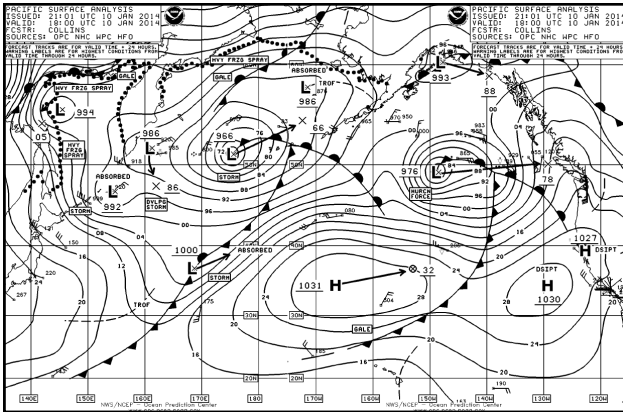
www.opc.ncep.noaa.gov

www.weather.gov

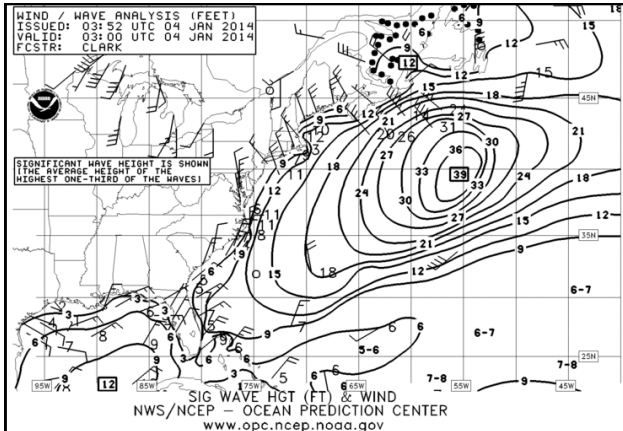
Products and Services

Atlantic and Pacific Graphical Products

- Surface analysis and forecasts to 120 hours
- Significant wave height analysis every 3 hours and forecasts to 96 hours
- Upper air (500mb) analysis and forecasts to 96 hours
- Wave period forecasts to 96 hours



Full Basin North Pacific Surface Analysis



West Atlantic Significant Wave Height Analysis



OPC's offshore zones are shown in yellow, high seas zones in green.

Text Products

OFFSHORE ZONES

- Extend to 250 nautical miles from coast
- NAVTEX forecasts issued for coastal and offshore waters extend 200 nm from the coast
- Issued 4 times daily, forecasts to 5 days
- Includes warnings, winds, waves, visibility, and precipitation

379
FZFL KMCB 151415
OFFZFL

OFFSHORE WATERS FORECAST
NWS OCEAN PREDICTION CENTER WASHINGTON DC
915 AM EST WED JAN 15 2014

OFFSHORE WATERS FORECAST FOR THE NEW ENGLAND CONTINENTAL SHELF AND SLOPE WATERS FROM 25 NM OFFSHORE TO THE HAGUE LINE...EXCEPT TO 1000 FM S OF NEW ENGLAND.

SEAS GIVEN AS SIGNIFICANT WAVE HEIGHT...WHICH IS THE AVERAGE HEIGHT OF THE HIGHEST 1/3 OF THE WAVES. INDIVIDUAL WAVES MAY BE MORE THAN TWICE THE SIGNIFICANT WAVE HEIGHT.

AN2005-140215-
915 AM EST WED JAN 15 2014

...SUSPENS FOR NEW ENGLAND WATERS...A WEAK HIGH PRESS RIDGE WILL CROSS THE WATERS TODAY. WEAK LOW PRES WILL MOVE NE OVER GEORGES BANK LATE TONIGHT INTO EARLY THU. A SECOND LOW WILL PASS JUST SE OF THE WATERS THU NIGHT AND FRI. A THIRD AREA OF LOW PRES IS EXPECTED TO MOVE E OVER THE REGION SAT. A COLD FRONT WILL MOVE E ACROSS THE WATERS SUN.

##

AN2005-140215-
STATE OF MAINE TO THE HAGUE LINE-
915 AM EST WED JAN 15 2014

...GALE FORCE WINDS POSSIBLE SUN...

...THIS AFTERNOON...W TO SW WINDS 5 KT...BECOMING S S TO 15 KT. SEAS 4 TO 8 FT.

...TONIGHT...SW WINDS LESS THAN 10 KT. SEAS 4 TO 7 FT.

...THU...N TO NE WINDS 5 TO 15 KT. SEAS 3 TO 5 FT.

...FRI...N TO NW WINDS 5 TO 10 KT...BECOMING W TO SW AFTER MIDNIGHT. SEAS 4 TO 6 FT.

HIGH SEAS (METAREAS XII & IV)

- Atlantic: north of 31N, west of 35W
- Pacific: north of 30N, east of 160E
- Issued 4 times daily, forecasts to 48 hours
- Includes warnings, winds, waves, visibility

707
FZFL KMCB 151620
HSREP1

HIGH SEAS FORECAST
NWS OCEAN PREDICTION CENTER WASHINGTON DC
1600 UTC THE OCT 15 2015

SUPERSEDED BY NEXT ISSUANCE IN 6 HOURS

SEAS GIVEN AS SIGNIFICANT WAVE HEIGHT...WHICH IS THE AVERAGE HEIGHT OF THE HIGHEST 1/3 OF THE WAVES. INDIVIDUAL WAVES MAY BE MORE THAN TWICE THE SIGNIFICANT WAVE HEIGHT.

SECURITE

PACIFIC N OF 30N AND S OF 67N E OF A LINE FROM BERING STRAIT TO 50N 160E

SYNOPSIS VALID 1200 UTC OCT 15.
24 HOUR FORECAST VALID 1200 UTC OCT 16.
48 HOUR FORECAST VALID 1200 UTC OCT 17.

...WARNINGS...

...STORM WARNING...
...FROM 30N TO 34N BETWEEN 160E AND 174E E TO HE WINDS TO 25 KT. SEAS 9 TO 12 FT.

...24 HOUR FORECAST U OF A LINE FROM 30N164E TO 47N170E WINDS 25 TO 25 KT. SEAS 9 TO 14 FT.

...30 HOUR FORECAST POST-TROPICAL WITH W U OF AREA NEAR 47N152W 963 MB. WITHIN 420 NM E QUADRANT WINDS 35 TO 50 KT. SEAS 12 TO 20 FT.

...48 HOUR FORECAST POST-TROPICAL WITH W SW165E 965 MB. OVER FORECAST WATERS WITHIN 420 S SEMICIRCLE AND 360 NM W QUADRANT WINDS 45 TO 60 KT. SEAS 24 TO 42 FT. ELSEWHERE FROM 37N TO 47N BETWEEN 160E AND 174W WINDS 30 TO 45 KT. SEAS 11 TO 24 FT.

...GALE WARNING...
...LOW 57N170W 962 MB MOVING N 15 KT. OVER FORECAST WATERS N OF 40N BETWEEN 172W AND 172E WINDS 35 TO 45 KT. SEAS 16 TO 24 FT.

Warning Definitions

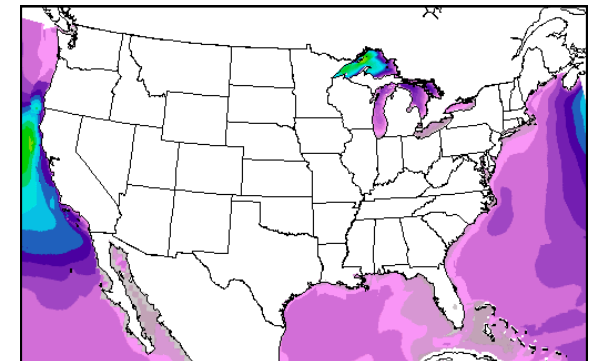
- SUSTAINED SURFACE WIND SPEEDS
- GALE: 34-47 knots
- STORM: 48-63 knots
- HURRICANE FORCE: ≥ 64 knots
- HEAVY FREEZING SPRAY: Accumulation of vessel icing in excess of 2 cm / hour
- ASHFALL ADVISORY: Expected accumulation or thickness of ashfall ≥ 0.8 mm

Gridded Products

OPC's gridded marine forecasts are now available in the National Digital Forecast Database (NDFD). The gridded marine parameters include:

- Surface wind speed and direction
- Surface wind gusts
- Significant wave height
- Marine hazards

www.opc.ncep.noaa.gov/graphical.html



Gridded wind forecast available for OPC's offshore zones.