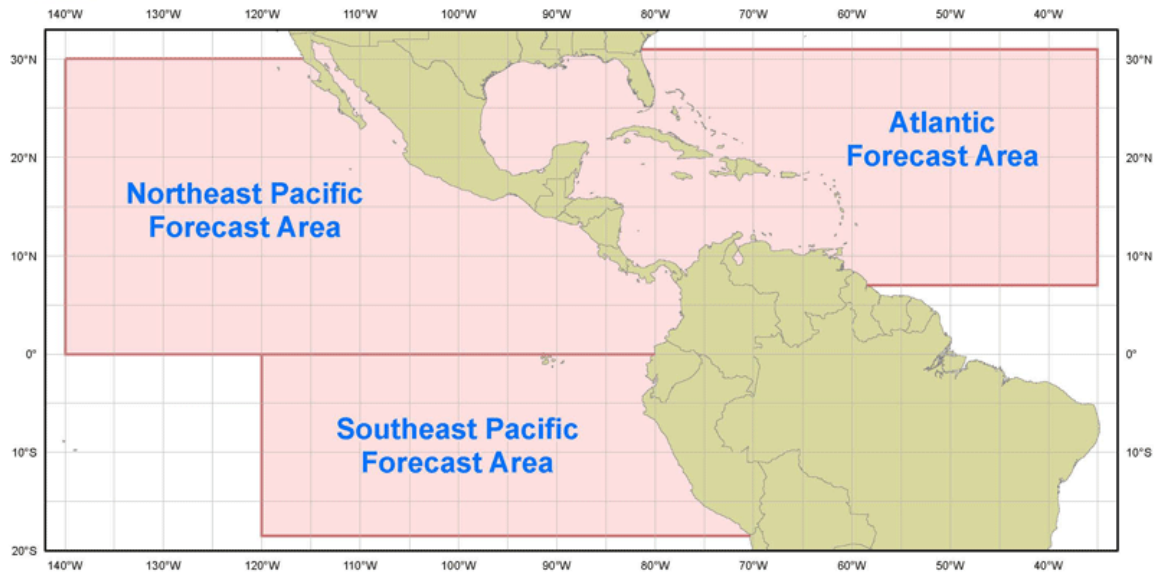




# HIGH SEAS FORECAST



- **Purpose**

The world's oceans and seas are divided up into 16 separate regions known as "METAREAS" with different nations having responsibility for providing high seas marine forecasts for those waters. These high seas forecasts are used mainly by large transoceanic vessels but can also be used by smaller vessels or those on shorter voyages. The U.S. National Weather Service (through the National Hurricane Center, the Ocean Prediction Center, and the Honolulu Weather Forecast Office) has the responsibility to provide high seas marine forecasts for METAREAS IV, XII, and XVI, which cover most of the North Atlantic Ocean, North Pacific Ocean, and Southeast Pacific Ocean.

- **Content**

The National Hurricane Center issues three High Seas Forecasts for parts of METAREAS IV and XII and all of METAREA XVI. Each product is updated every 6 hours and includes a description of winds and waves for the current time (a nowcast) and a 24- and 48- hour forecast of the winds and waves, using a 20 knot threshold for the wind and an 8 feet threshold for the seas. Positions and intensities are also given for tropical cyclones out to the 120-hour forecast. Intermediate forecast times are given for rapidly changing weather events. The High Seas

products also include updated descriptions of convection, particularly along the ITCZ. The products include marine warnings for gale, storm, hurricane force winds, and tropical cyclone-related conditions and can also include information on reduced visibility and other marine hazards.

- **Coverage**

The National Hurricane Center has 3 separate High Seas Forecasts:

1. [Atlantic Ocean](#) (from 7°N to 31°N west of 35°W, including the Caribbean Sea and the Gulf of Mexico)
2. [Northeast Pacific Ocean](#) (from the equator to 30°N east of 140°W)
3. [Southeast Pacific Ocean](#) (from the equator to 18.5°S east of 120°W)

- **Issuance / Transmission**

High seas products are transmitted under World Meteorological Organization (WMO) and NOAA Weather Wire Service (NWWS) headers as shown in the following table (alternate headers are for high seas products issued by the Ocean Prediction Center, which append the forecasts of the National Hurricane Center):

	Primary Headers		Alternate Headers	
	WMO	NWWS	WMO	NWWS
<b>Atlantic</b>	FZNT02 KNHC	MIAHSFAT2	FZNT01 KWBC	NFDHSFAT1
<b>Northeast Pacific</b>	FZPN03 KNHC	MIAHSFEP2	FZPN01 KWBC	NFDHSFEP1
<b>Southeast Pacific</b>	FZPN04 KNHC	MIAHSFEP3		

High seas products are issued on a regular six hourly schedule as shown below:

	Issuance time in UTC			
	0430	1030	1630	2230
MIAHSFAT2	0430	1030	1630	2230
MIAHSFEP2	0430	1030	1630	2230
MIAHSFEP3	0515	1115	1715	2315