

**NOAA/National Weather Service  
National Hurricane Center / Tropical Analysis and Forecast Branch  
Experimental East Pacific Offshore Waters Forecasts  
Product Description Document (PDD)**

**20 July 2016**

## **Part I. Mission Connection**

### **A. Overview**

The Tropical Analysis and Forecast Branch (TAFB) is providing on **an experimental basis** East Pacific Offshore Waters Forecasts for the proposed area of responsibility (**Figure 1**). The proposed TAFB offshore waters area of responsibility encompasses the waters within 60 nautical miles of shore of Mexico from the Mexico/United States border south to 29N, and within 250 nautical miles south of 29N including Mexico, Central America, Colombia, and within 750 NM of Ecuador. The east Pacific offshore waters forecasts will provide enhanced marine services for the customers in the region.

### **B. Product Description**

The experimental east Pacific offshore waters forecasts provide zone forecasts for 10-m winds, significant wave heights, primary swell direction, the dominant wave period, and significant weather for 17 zones in the proposed TAFB offshore waters area of responsibility (**Figure 1**). The list of offshore waters zones for within 60 NM of Mexico from the Mexico Border S to 29N and within 250 NM of Mexico S of 29N can be found in **Table 1**. The list of offshore waters zones for within 250 NM of Central America, Colombia and within 750 NM of Ecuador are listed in **Table 2**.

### **C. Audience**

The target audience for this product primarily includes mariners traversing the offshore forecast waters of Mexico, Central America, Colombia and within 750 NM of Ecuador. This includes United States interests such as pleasure craft traversing from the United States west coast south along the Baja California peninsula and up through the Gulf of California, as well as commercial vessels traveling to and from the Panama Canal. Other potential users of the product include emergency managers and other decision support agencies within the RA IV Regional Specialized Meteorological Center (RSMC) area of responsibility.

### **D. Presentation Format**

The experimental east Pacific offshore waters forecasts are text forecasts which will appear on the NHC experimental products page at <http://www.nhc.noaa.gov/experimental/> and on the TAFB marine products page at <http://www.nhc.noaa.gov/marine/?atlc>.

## **E. Feedback method – Feedback and Comments**

The Tropical Analysis and Forecast Branch is requesting your comments and feedback about these experimental Spanish-language offshore waters forecasts. Please feel free to use the links below for submitting comments.

Via Email: [nhcwebmaster@noaa.gov](mailto:nhcwebmaster@noaa.gov)

Via Short Web Survey: <http://www.nws.noaa.gov/survey/nws-survey.php?code=POWFCST>

Additionally comments may also be provided to:

National Hurricane Center/Tropical Analysis and Forecast Branch  
11691 SW 17<sup>th</sup> St  
Miami, FL 33165-2149  
(305) 229-4454 or (305) 229-4476  
[Hugh.Cobb@noaa.gov](mailto:Hugh.Cobb@noaa.gov)

Experimental Feedback Period: June 1, 2016 through June 1, 2017.

**Figure 1. Map of TAFB's Proposed Experimental East Pacific Offshore Waters area of responsibility.**

**Table 1. List of zones for the East Pacific Within 60 NM of Mexico from the Mexico Border S to 29N, and within 250 NM of Mexico S of 29N**

PMZ009	Mexico Border S to 29N to 60 NM offshore
PMZ011	Mexico S of 29N to Punta Eugenia to 250 NM offshore
PMZ013	Punta Eugenia to Cabo San Lazaro to 250 NM offshore
PMZ015	Cabo San Lazaro to Cabo San Lucas to 250 NM offshore
PMZ017	Northern Gulf of California
PMZ019	Central Gulf of California
PMZ021	Southern Gulf of California
PMZ023	Entrance to the Gulf of California including Cabo Corrientes
PMZ025	Mexico - States of Michoacan and Guerrero to 250 NM offshore
PMZ027	Mexico – States of Oaxaca and Chiapas including the Gulf of Tehuantepec

**Table 2. List of zones for the East Pacific Within 250 NM of Central America, Colombia and Within 750 NM of Ecuador**

PMZ111	Guatemala and El Salvador to 250 NM offshore
PMZ113	El Salvador to North Costa Rica including the Gulf of Fonseca and Papagayo
PMZ115	North Costa Rica to West Panama to 250 NM offshore
PMZ117	East Panama and Colombia including the Gulf of Panama
PMZ119	Ecuador including the Gulf of Guayaquil to 250 NM offshore
PMZ121	Ecuador Between 250 NM and 500 NM Offshore
PMZ123	Offshore Galapagos Islands

## **Part II. Technical Description**

### **A. Science Basis and Methodology**

The east Pacific offshore waters text forecasts are created through the use of text formatters which sample the gridded marine parameters (10-m winds, significant wave heights, primary wave direction, dominate wave period, and significant weather) for each zone and derive the appropriate wording to describe forecast marine conditions and forecasts for each zone.

### **B. Availability**

The experimental East Pacific Offshore Waters Forecasts will be available four times daily by 0300, 0600, 1100 and 1800 UTC on the National Hurricane Center web site at the following URLs. There may be times when the product is not updated or available due to workload issues.

<http://www.nhc.noaa.gov/experimental/>  
<http://www.nhc.noaa.gov/marine/?atlc>

### C. Additional Information

**A sample of the Experimental East Pacific Offshore Waters Forecasts text product composed for the East Pacific within 250 NM of Mexico at 0423 UTC 21 April 2016.**

EXPERIMENTAL...OFFSHORE WATERS FORECAST  
NWS NATIONAL HURRICANE CENTER MIAMI FL  
923 PM PDT THU APR 21 2016

...THIS MESSAGE IS FOR EXPERIMENTAL PURPOSES ONLY...  
...UPDATES MAY NOT ALWAYS BE AVAILABLE...

OFFSHORE WATERS FORECAST FOR THE E PACIFIC WITHIN 250 NM OF  
MEXICO

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.

PMZ001-221630-  
SYNOPSIS FOR THE E PACIFIC WITHIN 250 NM OF MEXICO  
923 PM PDT THU APR 21 2016

.SYNOPSIS...HIGH PRES RIDGING W OF THE AREA WILL SUPPORT MAINLY  
MODERATE TO FRESH NORTHERLY FLOW OFFSHORE OF THE NORTHERN BAJA  
CALIFORNIA PENINSULA. MAINLY LIGHT TO MODERATE NORTHERLY FLOW  
WILL PREVAIL ELSEWHERE.

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PMZ009-221630-  
MEXICO BORDER S TO 29N WITHIN 60 NM OF SHORE-  
923 PM PDT THU APR 21 2016

.TONIGHT...NW TO N WINDS 10 TO 15 KT. SEAS 4 TO 6 FT. PERIOD  
19 SECONDS.

.FRI...NW WINDS 15 TO 20 KT. SEAS 5 TO 7 FT. PERIOD 18 SECONDS.

.FRI NIGHT...NW TO N WINDS 20 TO 25 KT. SEAS 6 TO 8 FT. PERIOD  
17 SECONDS.

.SAT...NW WINDS 20 TO 25 KT. SEAS 6 TO 9 FT. PERIOD 16 SECONDS.

.SAT NIGHT...NW WINDS 15 TO 20 KT. SEAS 8 TO 11 FT IN NW SWELL.  
PERIOD 17 SECONDS.

.SUN...NW WINDS 10 TO 15 KT. SEAS 8 TO 11 FT IN NW SWELL. PERIOD  
16 SECONDS.

.SUN NIGHT...NW WINDS 15 TO 20 KT. SEAS 9 TO 11 FT IN NW SWELL.  
PERIOD 16 SECONDS.

.MON...NW WINDS 15 TO 20 KT. SEAS 9 TO 13 FT IN NW SWELL. PERIOD 15 SECONDS.

.MON NIGHT...NW WINDS 20 TO 25 KT. SEAS 10 TO 13 FT IN NW TO N SWELL. PERIOD 15 SECONDS.

.TUE...NW WINDS 15 TO 20 KT. SEAS 8 TO 12 FT IN NW TO N SWELL. PERIOD 14 SECONDS.

.TUE NIGHT...NW WINDS 15 TO 20 KT. SEAS 7 TO 10 FT IN NW SWELL. PERIOD 14 SECONDS.

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PMZ011-221630-  
MEXICO S OF 29N TO PUNTA EUGENIA-  
923 PM PDT THU APR 21 2016

.TONIGHT...NW TO N WINDS 10 TO 15 KT. SEAS 4 TO 6 FT. PERIOD 19 SECONDS.

.FRI...NW TO N WINDS 10 TO 15 KT. SEAS 5 TO 7 FT. PERIOD 19 SECONDS.

.FRI NIGHT...NW TO N WINDS 15 TO 20 KT. SEAS 5 TO 7 FT. PERIOD 17 SECONDS.

.SAT...NW TO N WINDS 15 TO 20 KT. SEAS 6 TO 8 FT. PERIOD 17 SECONDS.

.SAT NIGHT...NW TO N WINDS 15 TO 20 KT. SEAS 8 TO 11 FT IN NW SWELL. PERIOD 17 SECONDS.

.SUN...NW WINDS 15 TO 20 KT. SEAS 8 TO 11 FT IN NW SWELL. PERIOD 16 SECONDS.

.SUN NIGHT...NW TO N WINDS 15 TO 20 KT. SEAS 9 TO 11 FT IN NW SWELL. PERIOD 16 SECONDS.

.MON...NW TO N WINDS 15 TO 20 KT. SEAS 9 TO 11 FT IN NW SWELL. PERIOD 15 SECONDS.

.MON NIGHT...NW TO N WINDS 15 TO 20 KT. SEAS 9 TO 11 FT IN NW SWELL. PERIOD 14 SECONDS.

.TUE...NW TO N WINDS 15 TO 20 KT. SEAS 9 TO 10 FT IN NW SWELL. PERIOD 14 SECONDS.

.TUE NIGHT...NW TO N WINDS 15 TO 20 KT. SEAS 8 TO 10 FT IN NW SWELL. PERIOD 14 SECONDS.

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PMZ013-221630-  
PUNTA EUGENIA TO CABO SAN LAZARO TO 250 NM OFFSHORE-  
923 PM PDT THU APR 21 2016

.TONIGHT...W TO NW WINDS 10 TO 15 KT. SEAS 4 TO 6 FT. PERIOD 15 SECONDS.

.FRI...W WINDS 5 TO 10 KT WITHIN 60 NM OF SHORE...AND NW 10 TO 15 KT ELSEWHERE. SEAS 4 TO 6 FT. PERIOD 19 SECONDS.  
.FRI NIGHT...NW TO N WINDS 10 TO 15 KT. SEAS 5 TO 7 FT. PERIOD 18 SECONDS.  
.SAT...NW TO N WINDS 15 TO 20 KT. SEAS 5 TO 7 FT. PERIOD 18 SECONDS.  
.SAT NIGHT...NW TO N WINDS 15 TO 20 KT. SEAS 6 TO 8 FT. PERIOD 17 SECONDS.  
.SUN...NW TO N WINDS 10 TO 15 KT. SEAS 7 TO 10 FT IN NW SWELL. PERIOD 17 SECONDS.  
.SUN NIGHT...NW WINDS 10 TO 15 KT. SEAS 7 TO 10 FT IN NW SWELL. PERIOD 16 SECONDS.  
.MON...NW TO N WINDS 15 TO 20 KT. SEAS 7 TO 10 FT IN W TO NW SWELL. PERIOD 15 SECONDS.  
.MON NIGHT...NW TO N WINDS 15 TO 20 KT. SEAS 8 TO 10 FT IN NW SWELL. PERIOD 15 SECONDS.  
.TUE...NW TO N WINDS 15 TO 20 KT. SEAS 8 TO 9 FT IN NW SWELL. PERIOD 14 SECONDS.  
.TUE NIGHT...NW TO N WINDS 15 TO 20 KT. SEAS 8 TO 9 FT IN NW SWELL. PERIOD 15 SECONDS.

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PMZ015-221630-

CABO SAN LAZARO TO CABO SAN LUCAS TO 250 NM OFFSHORE-  
923 PM PDT THU APR 21 2016

.TONIGHT...NW TO N WINDS 10 TO 15 KT. SEAS 5 TO 6 FT. PERIOD 14 SECONDS.  
.FRI...NW TO N WINDS 5 TO 10 KT. SEAS 5 TO 6 FT IN W TO NW SWELL. PERIOD 14 SECONDS.  
.FRI NIGHT...NW TO N WINDS 10 TO 15 KT. SEAS 5 TO 6 FT. PERIOD 18 SECONDS.  
.SAT...NW TO N WINDS 10 TO 15 KT. SEAS 6 TO 7 FT IN W TO NW SWELL. PERIOD 17 SECONDS.  
.SAT NIGHT...NW TO N WINDS 10 TO 15 KT. SEAS 6 TO 7 FT IN W TO NW SWELL. PERIOD 17 SECONDS.  
.SUN...NW TO N WINDS 10 KT. SEAS 6 TO 7 FT IN W TO NW SWELL. PERIOD 16 SECONDS.  
.SUN NIGHT...NW TO N WINDS 10 KT. SEAS 6 TO 8 FT IN W TO NW SWELL. PERIOD 16 SECONDS.  
.MON...NW TO N WINDS 10 KT. SEAS 7 TO 8 FT IN W TO NW SWELL. PERIOD 15 SECONDS.  
.MON NIGHT...NW TO N WINDS 10 TO 15 KT. SEAS 7 TO 8 FT IN W TO NW SWELL. PERIOD 14 SECONDS.  
.TUE...NW TO N WINDS 10 TO 15 KT. SEAS 7 TO 9 FT IN W TO NW

SWELL. PERIOD 14 SECONDS.

.TUE NIGHT...NW TO N WINDS 10 TO 15 KT. SEAS 7 TO 8 FT IN W TO  
NW SWELL. PERIOD 17 SECONDS.

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PMZ017-221630-  
NORTHERN GULF OF CALIFORNIA-  
923 PM PDT THU APR 21 2016

.TONIGHT...S TO SW WINDS 10 TO 15 KT. SEAS 2 FT OR LESS. PERIOD  
3 SECONDS.

.FRI...SE TO S WINDS 10 TO 15 KT. SEAS 2 FT OR LESS. PERIOD  
4 SECONDS.

.FRI NIGHT...S WINDS 10 TO 15 KT. SEAS 2 FT OR LESS. PERIOD  
4 SECONDS.

.SAT...SE TO S WINDS 5 TO 10 KT. SEAS 2 FT OR LESS. PERIOD  
4 SECONDS.

.SAT NIGHT...S TO SW WINDS 5 TO 10 KT. SEAS 2 FT OR LESS. PERIOD  
4 SECONDS.

.SUN...SE TO S WINDS 5 TO 10 KT. SEAS 2 FT OR LESS. PERIOD  
3 SECONDS.

.SUN NIGHT...S TO SW WINDS 15 TO 20 KT. SEAS 2 FT OR LESS.  
PERIOD 5 SECONDS.

.MON...SW TO W WINDS 10 TO 15 KT. SEAS 2 FT OR LESS. PERIOD  
5 SECONDS.

.MON NIGHT...S TO SW WINDS 5 TO 10 KT...SHIFTING TO W TO NW  
10 TO 15 KT LATE. SEAS 2 FT OR LESS...BUILDING TO 3 TO  
4 FT LATE. PERIOD 5 SECONDS.

.TUE...NW TO N WINDS 10 TO 15 KT. SEAS 3 TO 4 FT. PERIOD  
5 SECONDS.

.TUE NIGHT...NW TO N WINDS 5 TO 10 KT...SHIFTING TO W LATE. SEAS  
2 FT OR LESS. PERIOD 5 SECONDS.

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PMZ019-221630-  
CENTRAL GULF OF CALIFORNIA-  
923 PM PDT THU APR 21 2016

.TONIGHT...SW TO W WINDS 10 TO 15 KT. SEAS 2 FT OR LESS. PERIOD  
16 SECONDS.

.FRI...W WINDS 5 TO 10 KT. SEAS 2 FT OR LESS. PERIOD 15 SECONDS.

.FRI NIGHT...SE TO S WINDS 5 TO 10 KT...SHIFTING TO SW TO W  
LATE. SEAS 2 FT OR LESS. PERIOD 14 SECONDS.

.SAT...W WINDS 5 TO 10 KT...SHIFTING TO S LATE IN THE AFTERNOON.

SEAS 2 FT OR LESS. PERIOD 14 SECONDS.  
.SAT NIGHT...S TO SW WINDS 5 TO 10 KT. SEAS 2 FT OR LESS. PERIOD  
15 SECONDS.  
.SUN...S TO SW WINDS 5 TO 10 KT. SEAS 2 FT OR LESS. PERIOD  
14 SECONDS.  
.SUN NIGHT...S WINDS 5 TO 10 KT. SEAS 2 FT OR LESS. PERIOD  
11 SECONDS.  
.MON...SW WINDS 5 TO 10 KT. SEAS 2 FT OR LESS. PERIOD  
11 SECONDS.  
.MON NIGHT...SE TO S WINDS LESS THAN 5 KT...SHIFTING TO SW  
LATE. SEAS 2 FT OR LESS. PERIOD 11 SECONDS.  
.TUE...NW WINDS 5 TO 10 KT. SEAS 2 FT OR LESS. PERIOD  
11 SECONDS.  
.TUE NIGHT...NW WINDS 5 TO 10 KT. SEAS 2 FT OR LESS. PERIOD  
11 SECONDS.

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PMZ021-221630-  
SOUTHERN GULF OF CALIFORNIA-  
923 PM PDT THU APR 21 2016

.TONIGHT...W WINDS 10 TO 15 KT. SEAS 2 FT OR LESS...BUILDING TO  
3 FT EARLY. PERIOD 16 SECONDS.  
.FRI...W TO NW WINDS 5 TO 10 KT. SEAS 2 FT OR LESS. PERIOD  
15 SECONDS.  
.FRI NIGHT...W TO NW WINDS 5 TO 10 KT. SEAS 2 FT OR LESS. PERIOD  
14 SECONDS.  
.SAT...W TO NW WINDS 5 TO 10 KT. SEAS 2 FT OR LESS. PERIOD  
16 SECONDS.  
.SAT NIGHT...SW TO W WINDS 5 TO 10 KT. SEAS 2 FT OR LESS. PERIOD  
17 SECONDS.  
.SUN...SW WINDS 5 TO 10 KT. SEAS 2 FT OR LESS. PERIOD  
17 SECONDS.  
.SUN NIGHT...S TO SW WINDS 5 TO 10 KT. SEAS 2 FT OR LESS...  
BUILDING TO 3 FT LATE. PERIOD 16 SECONDS.  
.MON...SW WINDS 5 TO 10 KT. SEAS 3 FT IN THE MORNING...SUBSIDING  
TO 2 FT OR LESS. PERIOD 15 SECONDS.  
.MON NIGHT...S WINDS 5 TO 10 KT. SEAS 2 FT OR LESS. PERIOD  
16 SECONDS.  
.TUE...W TO NW WINDS 5 TO 10 KT. SEAS 2 FT OR LESS. PERIOD  
19 SECONDS.  
.TUE NIGHT...NW WINDS 5 TO 10 KT. SEAS 2 FT OR LESS. PERIOD  
18 SECONDS.

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PMZ023-221630-  
ENTRANCE TO THE GULF OF CALIFORNIA INCLUDING CABO CORRIENTES-  
923 PM PDT THU APR 21 2016

.TONIGHT...NW WINDS 10 TO 15 KT. SEAS 4 TO 6 FT. PERIOD  
15 SECONDS.  
.FRI...NW TO N WINDS 10 TO 15 KT. SEAS 4 TO 6 FT. PERIOD  
15 SECONDS.  
.FRI NIGHT...NW TO N WINDS 10 TO 15 KT. SEAS 4 TO 6 FT. PERIOD  
15 SECONDS.  
.SAT...NW WINDS 10 TO 15 KT. SEAS 4 TO 6 FT. PERIOD 17 SECONDS.  
.SAT NIGHT...NW TO N WINDS 10 TO 15 KT. SEAS 4 TO 6 FT. PERIOD  
17 SECONDS.  
.SUN...NW WINDS 10 TO 15 KT. SEAS 4 TO 6 FT. PERIOD 17 SECONDS.  
.SUN NIGHT...NW WINDS 10 TO 15 KT. SEAS 4 TO 6 FT. PERIOD  
16 SECONDS.  
.MON...NW WINDS 10 TO 15 KT. SEAS 5 TO 7 FT. PERIOD 15 SECONDS.  
.MON NIGHT...NW WINDS 10 TO 15 KT. SEAS 5 TO 7 FT. PERIOD  
15 SECONDS.  
.TUE...NW WINDS 10 TO 15 KT. SEAS 5 TO 7 FT. PERIOD 15 SECONDS.  
.TUE NIGHT...NW WINDS 10 TO 15 KT. SEAS 5 TO 7 FT. PERIOD  
18 SECONDS.

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PMZ025-221630-  
MEXICO - STATES OF MICHOACAN AND GUERRERO TO 250 NM OFFSHORE-  
923 PM PDT THU APR 21 2016

.TONIGHT...NW WINDS 5 TO 10 KT. SEAS 4 TO 5 FT IN W SWELL.  
PERIOD 14 SECONDS.  
.FRI...NW WINDS 5 TO 10 KT. SEAS 4 TO 6 FT IN W SWELL. PERIOD  
15 SECONDS.  
.FRI NIGHT...NW WINDS 5 TO 10 KT. SEAS 4 TO 6 FT IN W SWELL.  
PERIOD 14 SECONDS.  
.SAT...NW WINDS 5 TO 10 KT. SEAS 5 TO 6 FT IN SW TO W SWELL.  
PERIOD 17 SECONDS.  
.SAT NIGHT...NW WINDS 5 TO 10 KT. SEAS 5 TO 6 FT IN SW TO W  
SWELL. PERIOD 17 SECONDS.  
.SUN...NW WINDS 5 TO 10 KT. SEAS 5 TO 6 FT IN W SWELL. PERIOD  
17 SECONDS.  
.SUN NIGHT...NW WINDS 5 TO 10 KT. SEAS 5 TO 6 FT IN SW TO W  
SWELL. PERIOD 16 SECONDS.  
.MON...NW WINDS 5 TO 10 KT. SEAS 5 TO 6 FT IN W SWELL. PERIOD  
15 SECONDS.

.MON NIGHT...W TO NW WINDS 10 TO 15 KT. SEAS 5 TO 7 FT. PERIOD  
15 SECONDS.

.TUE...NW WINDS 10 TO 15 KT. SEAS 5 TO 7 FT. PERIOD 18 SECONDS.

.TUE NIGHT...NW WINDS 10 TO 15 KT. SEAS 5 TO 7 FT. PERIOD  
18 SECONDS.

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PMZ027-221630-

MEXICO -

STATES OF OAXACA AND CHIAPAS INCLUDING THE GULF OF TEHUANTEPEC-  
923 PM PDT THU APR 21 2016

.TONIGHT...NW WINDS 5 TO 10 KT. SEAS 4 TO 5 FT IN SW TO W SWELL.  
PERIOD 16 SECONDS.

.FRI...NW TO N WINDS 5 TO 10 KT. SEAS 4 TO 6 FT IN SW SWELL.  
PERIOD 15 SECONDS.

.FRI NIGHT...OFFSHORE GULF OF TEHUANTEPEC...SW TO W WINDS 5 TO  
10 KT...BECOMING NW TO N 20 TO 25 KT LATE. ELSEWHERE...  
NW TO N WINDS 5 TO 10 KT. SEAS 4 TO 6 FT IN SW SWELL. PERIOD  
14 SECONDS.

.SAT...OFFSHORE GULF OF TEHUANTEPEC...N TO NE WINDS 20 TO  
25 KT...BECOMING N 5 TO 10 KT LATE IN THE AFTERNOON. ELSEWHERE...  
NW TO N WINDS 5 TO 10 KT. SEAS 5 TO 6 FT IN SW TO W SWELL.  
PERIOD 15 SECONDS.

.SAT NIGHT...NW WINDS 5 TO 10 KT. SEAS 5 TO 6 FT IN SW SWELL.  
PERIOD 17 SECONDS.

.SUN...NW TO N WINDS 5 TO 10 KT. SEAS 5 TO 6 FT IN SW SWELL.  
PERIOD 17 SECONDS.

.SUN NIGHT...W TO NW WINDS 5 TO 10 KT. SEAS 5 TO 6 FT IN SW  
SWELL. PERIOD 16 SECONDS.

.MON...NW WINDS 5 TO 10 KT. SEAS 4 TO 6 FT IN SW SWELL. PERIOD  
15 SECONDS.

.MON NIGHT...W TO NW WINDS 5 TO 10 KT. SEAS 4 TO 5 FT IN SW  
SWELL. PERIOD 15 SECONDS.

.TUE...W TO NW WINDS 5 TO 10 KT. SEAS 4 TO 6 FT IN SW SWELL.  
PERIOD 17 SECONDS.

.TUE NIGHT...W TO NW WINDS 5 TO 10 KT. SEAS 5 TO 6 FT IN SW  
SWELL. PERIOD 18 SECONDS.

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FORECASTER LEWITSKY

**A sample of the Experimental East Pacific Offshore Waters Forecasts text product composed for the East Pacific within 250 NM of Central America, Colombia and within 750 NM of Ecuador at 0424 UTC 21 April 2016.**

EXPERIMENTAL...OFFSHORE WATERS FORECAST  
NWS NATIONAL HURRICANE CENTER MIAMI FL  
924 PM PDT THU APR 21 2016

...THIS MESSAGE IS FOR EXPERIMENTAL PURPOSES ONLY...  
...UPDATES MAY NOT ALWAYS BE AVAILABLE...

OFFSHORE WATERS FORECAST FOR THE E PACIFIC WITHIN 250 NM OF  
CENTRAL AMERICA...COLOMBIA...AND ECUADOR

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.

PMZ101-221630-  
SYNOPSIS FOR THE E PACIFIC WITHIN 250 NM OF CENTRAL AMERICA...  
COLOMBIA...AND WITHIN 750 NM OF ECUADOR  
924 PM PDT THU APR 21 2016

.SYNOPSIS...WINDS WILL PULSE TO FRESH IN THE GULF OF PAPAGAYO TONIGHT  
INTO EARLY FRI WITH NOCTURNAL DRAINAGE FLOW. OTHERWISE A WEAK PRES  
PATTERN WILL SUPPORT MAINLY LIGHT ONSHORE WINDS THROUGH EARLY  
NEXT WEEK.

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.INTERTROPICAL CONVERGENCE ZONE/MONSOON TROUGH...

TROUGH FROM 09N85W TO 07N100W. ITCZ FROM 07N100W TO 10N113W TO  
02N140W. SCATTERED MODERATE ISOLATED STRONG WITHIN 120 NM OF  
LINE FROM 04N85W TO 07N92W...WITHIN 180 NM OF LINE FROM  
06N103W TO 12N117W...AND WITHIN 90 NM OF LINE FROM 08N118W  
TO 03N138W.

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PMZ111-221630-  
GUATEMALA AND EL SALVADOR TO 250 NM OFFSHORE-  
924 PM PDT THU APR 21 2016

.TONIGHT...NW TO N WINDS LESS THAN 5 KT. SEAS 4 TO 5 FT IN SW  
SWELL. PERIOD 15 SECONDS.

.FRI...NE WINDS 5 TO 10 KT. SEAS 4 TO 5 FT IN S TO SW SWELL.  
PERIOD 15 SECONDS.  
.FRI NIGHT...N WINDS 5 TO 10 KT...SHIFTING TO NW IN THE LATE  
EVENING AND OVERNIGHT. SEAS 4 TO 5 FT IN S TO SW SWELL. PERIOD  
14 SECONDS.  
.SAT...NW TO N WINDS 5 TO 10 KT. SEAS 4 TO 5 FT IN SW SWELL.  
PERIOD 14 SECONDS.  
.SAT NIGHT...W TO NW WINDS 5 TO 10 KT. SEAS 4 TO 5 FT IN SW  
SWELL. PERIOD 17 SECONDS.  
.SUN...NW TO N WINDS LESS THAN 5 KT. SEAS 4 TO 5 FT IN SW SWELL.  
PERIOD 17 SECONDS.  
.SUN NIGHT...NW WINDS LESS THAN 5 KT. SEAS 4 TO 5 FT IN SW  
SWELL. PERIOD 16 SECONDS.  
.MON...NW TO N WINDS LESS THAN 5 KT. SEAS 4 TO 5 FT IN SW SWELL.  
PERIOD 16 SECONDS.  
.MON NIGHT...W TO NW WINDS LESS THAN 5 KT. SEAS 4 TO 5 FT IN SW  
SWELL. PERIOD 15 SECONDS.  
.TUE...NW WINDS 5 TO 10 KT. SEAS 4 TO 5 FT IN SW SWELL. PERIOD  
17 SECONDS.  
.TUE NIGHT...W TO NW WINDS 5 TO 10 KT. SEAS 4 TO 5 FT IN SW  
SWELL. PERIOD 18 SECONDS.

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PMZ113-221630-  
EL SALVADOR TO NORTH COSTA RICA INCLUDING THE GULFS OF FONSECA  
AND PAPAGAYO-  
924 PM PDT THU APR 21 2016

.TONIGHT...NE TO E WINDS 15 TO 20 KT OFFSHORE GULF OF PAPAGAYO...  
AND NE 5 TO 10 KT ELSEWHERE. SEAS 4 TO 5 FT IN S TO SW SWELL.  
PERIOD 16 SECONDS.  
.FRI...OFFSHORE GULF OF PAPAGAYO...NE TO E WINDS 15 TO 20 KT...  
BECOMING E 5 TO 10 KT LATE IN THE AFTERNOON. ELSEWHERE...NE  
WINDS 10 TO 15 KT. SEAS 4 TO 5 FT IN S TO SW SWELL. PERIOD  
15 SECONDS.  
.FRI NIGHT...OFFSHORE GULF OF PAPAGAYO...SW WINDS 5 TO 10 KT...  
SHIFTING TO N 10 TO 15 KT EARLY IN THE MORNING. ELSEWHERE...SW  
WINDS 5 TO 10 KT...SHIFTING TO NW EARLY IN THE MORNING. SEAS  
4 TO 5 FT IN SW SWELL. PERIOD 15 SECONDS.  
.SAT...NE TO E WINDS 10 TO 15 KT OFFSHORE GULF OF PAPAGAYO...AND  
N TO NE 5 TO 10 KT ELSEWHERE. SEAS 4 TO 5 FT IN SW SWELL. PERIOD  
14 SECONDS.  
.SAT NIGHT...SW TO W WINDS 5 TO 10 KT. SEAS 4 TO 5 FT IN SW  
SWELL. PERIOD 17 SECONDS.  
.SUN...NE WINDS 10 TO 15 KT OFFSHORE GULF OF PAPAGAYO...AND N

LESS THAN 5 KT ELSEWHERE. SEAS 4 TO 5 FT IN SW SWELL. PERIOD 17 SECONDS.

.SUN NIGHT...W WINDS LESS THAN 5 KT. SEAS 4 TO 5 FT IN SW SWELL. PERIOD 16 SECONDS.

.MON...NE WINDS 10 TO 15 KT OFFSHORE GULF OF PAPAGAYO...AND N LESS THAN 5 KT ELSEWHERE. SEAS 4 TO 5 FT IN SW SWELL. PERIOD 16 SECONDS.

.MON NIGHT...NW WINDS LESS THAN 5 KT. SEAS 4 TO 5 FT IN SW SWELL. PERIOD 15 SECONDS.

.TUE...NW TO N WINDS 5 KT. SEAS 4 TO 5 FT IN SW SWELL. PERIOD 16 SECONDS.

.TUE NIGHT...W TO NW WINDS 5 TO 10 KT. SEAS 4 TO 5 FT IN SW SWELL. PERIOD 17 SECONDS.

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PMZ115-221630-

NORTH COSTA RICA TO WEST PANAMA TO 250 NM OFFSHORE-  
924 PM PDT THU APR 21 2016

.TONIGHT...SW WINDS 5 TO 10 KT. SEAS 5 TO 6 FT IN S SWELL. PERIOD 15 SECONDS.

.FRI...SW WINDS 5 TO 10 KT. SEAS 5 TO 6 FT IN S SWELL. PERIOD 15 SECONDS. SCATTERED SHOWERS AND ISOLATED TSTMS.

.FRI NIGHT...SW TO W WINDS 10 TO 15 KT. SEAS 5 TO 6 FT. PERIOD 15 SECONDS. SCATTERED SHOWERS AND ISOLATED TSTMS.

.SAT...S TO SW WINDS LESS THAN 5 KT NEAR THE AZUERO PENINSULA... AND SW TO W 10 TO 15 KT ELSEWHERE. SEAS 5 TO 6 FT. PERIOD 14 SECONDS. SCATTERED SHOWERS AND ISOLATED TSTMS.

.SAT NIGHT...SW WINDS 5 TO 10 KT. SEAS 5 TO 6 FT IN S TO SW SWELL. PERIOD 17 SECONDS.

.SUN...SW TO W WINDS 5 TO 10 KT. SEAS 4 TO 5 FT IN SW SWELL. PERIOD 17 SECONDS.

.SUN NIGHT...SW TO W WINDS 5 TO 10 KT. SEAS 4 TO 5 FT IN SW SWELL. PERIOD 16 SECONDS.

.MON...SW TO W WINDS 5 TO 10 KT. SEAS 4 TO 5 FT IN SW SWELL. PERIOD 16 SECONDS.

.MON NIGHT...SW TO W WINDS 5 TO 10 KT. SEAS 4 TO 5 FT IN SW SWELL. PERIOD 15 SECONDS.

.TUE...SW TO W WINDS 5 TO 10 KT. SEAS 4 TO 5 FT IN SW SWELL. PERIOD 17 SECONDS.

.TUE NIGHT...SW WINDS 5 TO 10 KT. SEAS 4 TO 5 FT IN SW SWELL. PERIOD 17 SECONDS.

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PMZ117-221630-  
EAST PANAMA AND COLOMBIA INCLUDING GULF OF PANAMA-  
924 PM PDT THU APR 21 2016

.TONIGHT...SW WINDS 5 TO 10 KT. SEAS 3 TO 5 FT. PERIOD  
15 SECONDS.  
.FRI...SW TO W WINDS 5 TO 10 KT. SEAS 4 TO 6 FT IN SW SWELL.  
PERIOD 15 SECONDS. SCATTERED SHOWERS AND ISOLATED TSTMS.  
.FRI NIGHT...SW WINDS 10 TO 15 KT. SEAS 3 TO 5 FT. PERIOD  
17 SECONDS. SCATTERED SHOWERS AND ISOLATED TSTMS.  
.SAT...S TO SW WINDS 10 TO 15 KT. SEAS 3 TO 5 FT. PERIOD  
18 SECONDS. SCATTERED SHOWERS AND ISOLATED TSTMS.  
.SAT NIGHT...S TO SW WINDS 5 TO 10 KT. SEAS 3 TO 5 FT. PERIOD  
18 SECONDS.  
.SUN...S TO SW WINDS 5 TO 10 KT. SEAS 3 TO 5 FT. PERIOD  
17 SECONDS.  
.SUN NIGHT...S TO SW WINDS 5 TO 10 KT. SEAS 3 TO 5 FT. PERIOD  
17 SECONDS.  
.MON...S TO SW WINDS 5 TO 10 KT. SEAS 3 TO 5 FT. PERIOD  
16 SECONDS.  
.MON NIGHT...S TO SW WINDS 5 TO 10 KT. SEAS 3 TO 5 FT. PERIOD  
17 SECONDS.  
.TUE...S TO SW WINDS 5 TO 10 KT. SEAS 3 TO 5 FT. PERIOD  
18 SECONDS.  
.TUE NIGHT...SW WINDS 5 TO 10 KT. SEAS 3 TO 5 FT. PERIOD  
18 SECONDS.

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PMZ119-221630-  
ECUADOR INCLUDING GULF OF GUAYAQUIL TO 250 NM OFFSHORE-  
924 PM PDT THU APR 21 2016

.TONIGHT...S TO SW WINDS 5 TO 10 KT. SEAS 5 TO 7 FT IN S TO SW  
SWELL. PERIOD 15 SECONDS.  
.FRI...S TO SW WINDS 5 TO 10 KT. SEAS 5 TO 7 FT IN W SWELL.  
PERIOD 17 SECONDS.  
.FRI NIGHT...S WINDS 5 TO 10 KT. SEAS 4 TO 6 FT IN W TO NW  
SWELL. PERIOD 18 SECONDS.  
.SAT...S TO SW WINDS 5 TO 10 KT. SEAS 4 TO 6 FT IN W SWELL.  
PERIOD 17 SECONDS.  
.SAT NIGHT...S TO SW WINDS 5 TO 10 KT. SEAS 4 TO 6 FT IN W  
SWELL. PERIOD 17 SECONDS.  
.SUN...S TO SW WINDS 5 TO 10 KT. SEAS 4 TO 6 FT IN SW TO W  
SWELL. PERIOD 16 SECONDS.  
.SUN NIGHT...S TO SW WINDS 5 TO 10 KT. SEAS 4 TO 5 FT IN SW TO W

SWELL. PERIOD 15 SECONDS.

.MON...S TO SW WINDS 5 TO 10 KT. SEAS 4 TO 6 FT IN SW TO W  
SWELL. PERIOD 14 SECONDS.

.MON NIGHT...SW TO W WINDS 5 TO 10 KT GULF OF GUAYAQUIL...AND S  
TO SW 5 TO 10 KT ELSEWHERE. SEAS 4 TO 6 FT IN SW TO W SWELL.  
PERIOD 14 SECONDS.

.TUE...W WINDS 5 TO 10 KT GULF OF GUAYAQUIL...AND S 10 KT  
ELSEWHERE. SEAS 4 TO 6 FT IN SW SWELL. PERIOD 14 SECONDS.

.TUE NIGHT...S TO SW WINDS 5 TO 10 KT. SEAS 4 TO 6 FT IN SW  
SWELL. PERIOD 17 SECONDS.

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PMZ121-221630-  
ECUADOR BETWEEN 250 AND 500 NM OFFSHORE-  
924 PM PDT THU APR 21 2016

.TONIGHT...SE TO S WINDS 5 TO 10 KT. SEAS 6 TO 7 FT IN S TO SW  
SWELL. PERIOD 13 SECONDS.

.FRI...SE TO S WINDS 5 TO 10 KT. SEAS 6 TO 7 FT IN SW SWELL.  
PERIOD 14 SECONDS.

.FRI NIGHT...SE TO S WINDS 5 TO 10 KT. SEAS 6 FT IN W TO NW  
SWELL. PERIOD 17 SECONDS.

.SAT...SE TO S WINDS 5 TO 10 KT. SEAS 5 TO 6 FT IN W SWELL.  
PERIOD 16 SECONDS.

.SAT NIGHT...SE TO S WINDS 5 TO 10 KT. SEAS 5 TO 6 FT IN SW TO W  
SWELL. PERIOD 16 SECONDS.

.SUN...SE TO S WINDS 5 TO 10 KT. SEAS 5 TO 6 FT IN SW TO W  
SWELL. PERIOD 16 SECONDS.

.SUN NIGHT...SE WINDS 5 TO 10 KT. SEAS 5 FT IN SW SWELL. PERIOD  
15 SECONDS.

.MON...SE TO S WINDS 5 TO 10 KT. SEAS 5 FT IN SW TO W SWELL.  
PERIOD 14 SECONDS.

.MON NIGHT...SE TO S WINDS 5 TO 10 KT. SEAS 5 TO 6 FT IN SW  
SWELL. PERIOD 14 SECONDS.

.TUE...SE TO S WINDS 5 TO 10 KT. SEAS 5 TO 6 FT IN SW TO W  
SWELL. PERIOD 17 SECONDS.

.TUE NIGHT...SE TO S WINDS 5 TO 10 KT. SEAS 5 TO 6 FT IN SW TO W  
SWELL. PERIOD 17 SECONDS.

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PMZ123-221630-  
OFFSHORE GALAPAGOS ISLANDS-  
924 PM PDT THU APR 21 2016

.TONIGHT...SE WINDS LESS THAN 5 KT. SEAS 5 TO 7 FT IN W TO NW SWELL. PERIOD 17 SECONDS.

.FRI...SE WINDS 5 TO 10 KT. SEAS 5 TO 7 FT IN W TO NW SWELL. PERIOD 17 SECONDS.

.FRI NIGHT...SE WINDS 5 TO 10 KT. SEAS 5 TO 7 FT IN W TO NW SWELL. PERIOD 17 SECONDS.

.SAT...SE WINDS 5 TO 10 KT. SEAS 5 TO 7 FT IN W SWELL. PERIOD 16 SECONDS.

.SAT NIGHT...E TO SE WINDS 5 TO 10 KT. SEAS 4 TO 6 FT IN W SWELL. PERIOD 16 SECONDS.

.SUN...E TO SE WINDS 5 TO 10 KT. SEAS 4 TO 6 FT IN W SWELL. PERIOD 15 SECONDS.

.SUN NIGHT...E TO SE WINDS 5 TO 10 KT. SEAS 4 TO 6 FT IN W SWELL. PERIOD 14 SECONDS.

.MON...E TO SE WINDS 5 TO 10 KT. SEAS 4 TO 6 FT IN SW TO W SWELL. PERIOD 14 SECONDS.

.MON NIGHT...SE WINDS 5 TO 10 KT. SEAS 4 TO 6 FT IN W SWELL. PERIOD 17 SECONDS.

.TUE...SE WINDS 5 TO 10 KT. SEAS 4 TO 6 FT IN SW TO W SWELL. PERIOD 17 SECONDS.

.TUE NIGHT...SE WINDS 5 TO 10 KT. SEAS 4 TO 6 FT IN W SWELL. PERIOD 17 SECONDS.

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FORECASTER LEWITSKY