



# Primer seminario en línea

**Christa G. von Hillebrandt-Andrade**  
NOAA NWS Programa Alerta de Tsunamis del Caribe- Gerente  
ICG CARIBE EWS Chair  
16 de enero de 2019

# CARIBE WAVE 2019

En el Caribe y Regiones Adyacentes, 31 países y 15 territorios participaron en este ejercicio con un total de casi 643,403 personas registradas.

- Esto representó una tasa de participación de un 97% de los países miembros (mas que el 93% del 2016 y cerca a los números reportados en el 2017).



# Objetivos Caribe Wave 19

## 1. Evaluar y ejercitar las comunicaciones entre el Proveedor Regional de Servicios de Tsunami y los Estados/Territorios Miembros.

- A. Validar la **emisión** de productos de tsunami desde el PTWC.
- B. Validar la **recepción** de los productos de tsunami en los puntos focales de alerta del CARIBE EWS (TWFP) y/o el Centro Nacional de Alerta de Tsunami (NTWC).

## 2. Evaluar los procedimientos y programas de tsunami dentro de los Estados/Territorios Miembros.

- A. Validar la preparación para responder a un tsunami.
- B. Validar la disponibilidad operacional de los TWFP (o como función) y/o la Oficina Nacional de gestión de desastres (NDMO).
- C. Mejorar la preparación operacional. Antes del ejercicio, asegurar que se hayan desarrollado las herramientas y los planes de respuesta adecuados, incluidos los materiales de educación pública.
- D. Validar que la difusión de advertencias e información/asesoramiento por parte de los TWFP y NTWC a las agencias pertinentes del país y al público sea precisa y oportuna.
- E. Evaluar el estado de la implementación del programa de reconocimiento CARIBE EWS TsunamiReady.

## 3. Evaluar los productos volcánicos.

- A. Evaluar los productos PTWC CARIBE WAVE EWS para eventos volcánicos.
- B. Evaluar la entrada de SRC (Seismic Research Centre).
- C. Evaluar planes de respuesta de Estados/Territorios para crisis volcánica.

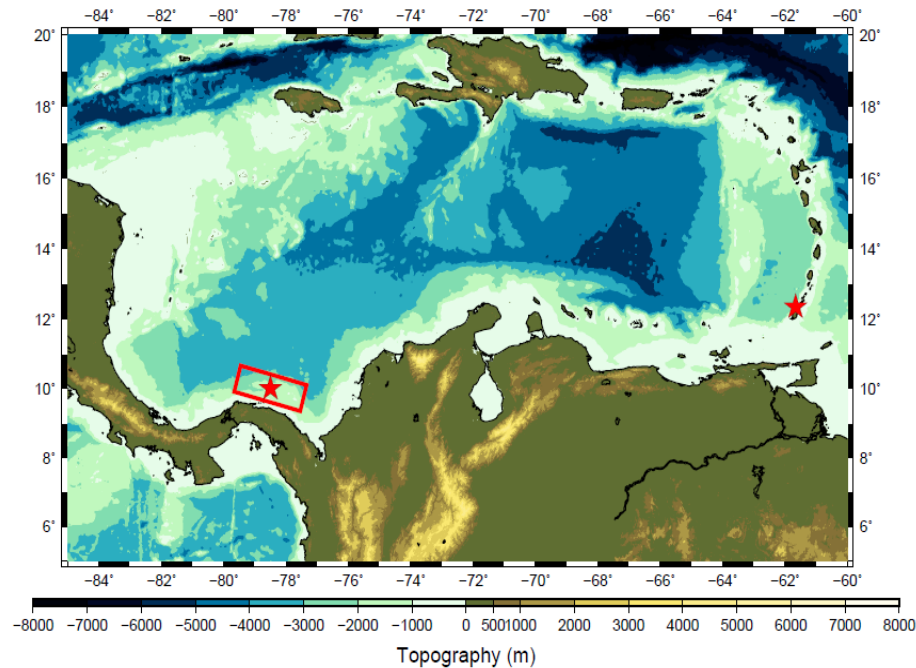


# Manual del Ejercicio

- Disponible en línea en inglés en el siguiente enlace, [www.caribewave.info](http://www.caribewave.info)
- El mismo incluye:
  - Descripción de los escenarios de tsunami y terremoto
  - Cronograma
  - El mensaje inicial “dummy” y los mensajes simulados de amenaza
  - Tiempos de viaje y la amplitud esperada de las olas
  - El enlace al cuestionario de evaluación

# CARIBE WAVE 19

## Mapa de los Escenarios

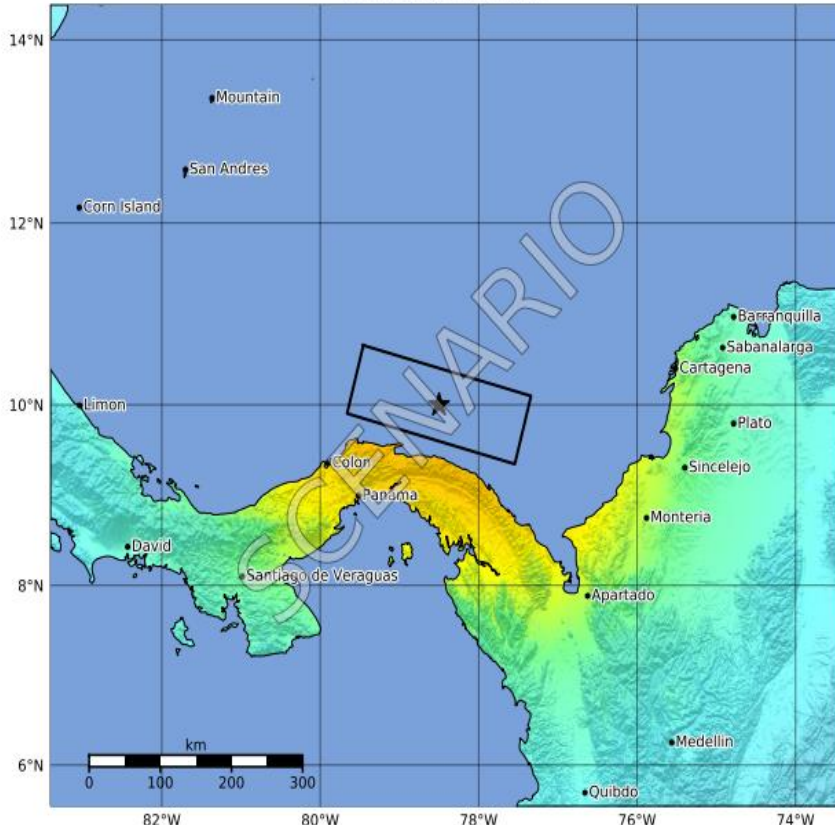


Escenario	Tiempo de Origen	Mw	Epicentro
Panamá	14:00:00 UTC 14 de marzo de 2019	8.5	10.00°, -78.50°
Kick 'em Jenny		6.0	12.34°, -61.65°



# Escenario del Impacto del Terremoto Panamá

Macroseismic Intensity Map  
 USGS ShakeMap: Caribe Wave 19 Panama Scenario  
 Mar 14, 2019 14:00:00 UTC M8.5 N10.00 W78.50 Depth: 25.1km  
 ID:caribewave\_19\_panama\_se



SHAKING	Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
DAMAGE	None	None	None	Very light	Light	Moderate	Moderate/heavy	Heavy	Very heavy
PGA(%g)	<0.05	0.3	2.76	6.2	11.5	21.5	40.1	74.7	>139
PGV(cm/s)	<0.02	0.13	1.41	4.65	9.64	20	41.4	85.8	>178
INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+



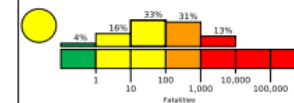
Earthquake Shaking **Red Alert**



## M 8.5, Caribe Wave 19 Panama Scenario

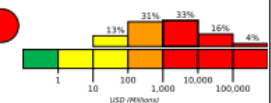
Origin Time: 2019-03-14 14:00:00 UTC (Thu 09:00:00 local)  
 Location: 10.0000° N 78.5000° W Depth: 25.1 km  
**FOR TSUNAMI INFORMATION, SEE: tsunami.gov**

### Estimated Fatalities



Red alert for economic losses. Extensive damage is probable and the disaster is likely widespread. Estimated economic losses are 0-8% GDP of Panama. Past events with this alert level have required a national or international level response.  
 Yellow alert for shaking-related fatalities. Some casualties are possible.

### Estimated Economic Losses

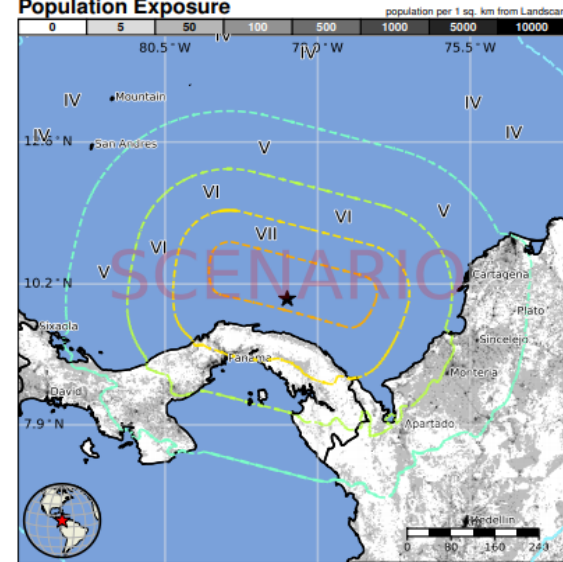


### Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	-*	400k*	9,562k*	7,700k	1,903k	1,303k	0	0	0	
ESTIMATED MODIFIED MERCALLI INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+	
PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme	
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

### Population Exposure



### Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are mud wall and informal (metal, timber, GI etc.) construction.

### Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2000-11-08	332	6.5	VII(3k)	0
1977-08-31	391	6.5	IX(4k)	3
1974-07-13	269	7.3	IX(2k)	11

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

### Selected City Exposure

MMI City	Population
VII Nargana	1k
VII El Porvenir	0
VII Playa Chiquita	<1k
VII Santa Isabel	<1k
VII Viento Frio	<1k
VII Palmira	<1k
VI Panama	408k
V Cartagena	952k
IV Barranquilla	1,380k
IV Santa Marta	432k
IV Medellin	2,000k

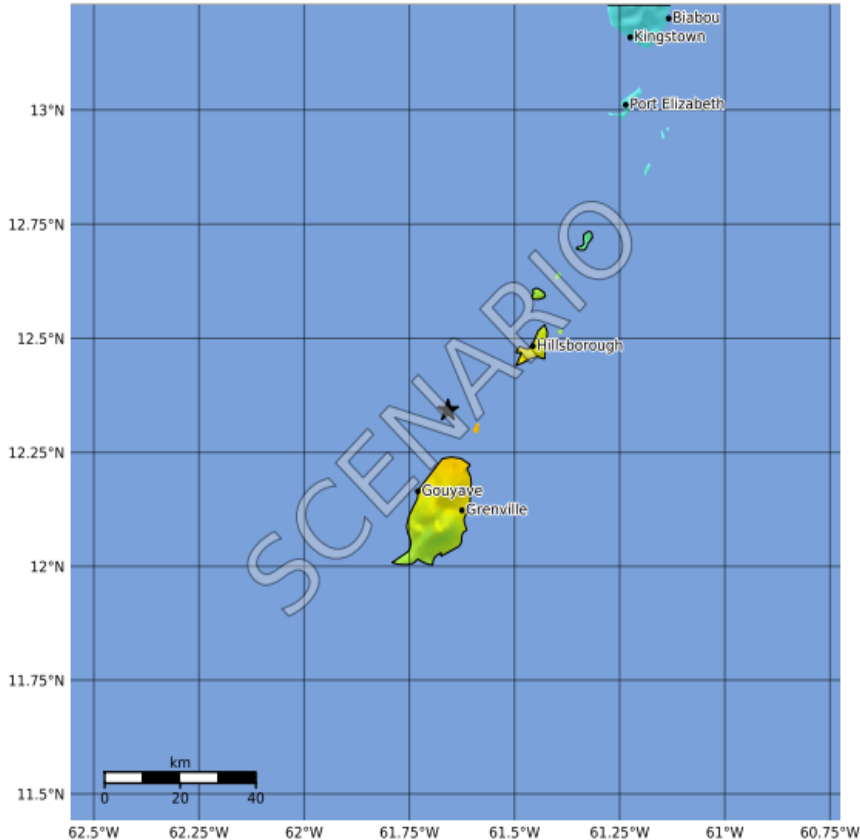
PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.  
<http://earthquake.usgs.gov/data/pager/>

bold cities appear on map. (k = x1000)

Event ID: uscaribewave\_19\_panama\_se

# Escenario del Impacto del Terremoto Kick 'em Jenny

Macroseismic Intensity Map  
USGS ShakeMap: Caribe Wave 19 Kick 'Em Jenny Scenario  
Mar 14, 2019 14:00:00 UTC M6.0 N12.34 W61.66 Depth: 12.0km  
ID:caribewave\_19\_KEJ\_se



	62.5°W	62.25°W	62°W	61.75°W	61.5°W	61.25°W	61°W	60.75°W	
SHAKING	Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
DAMAGE	None	None	None	Very light	Light	Moderate	Moderate/heavy	Heavy	Very heavy
PGA(%g)	<0.05	0.3	2.76	6.2	11.5	21.5	40.1	74.7	>139
PGV(cm/s)	<0.02	0.13	1.41	4.65	9.64	20	41.4	85.8	>178
INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+

▲ Seismic Instrument ○ Macroseismic Observation  
Scale based upon Worden et al. (2012)

Map Version 1: Processed 2018-10-17T17:17:14Z



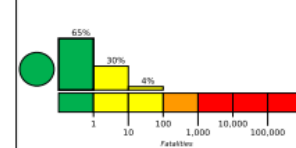
Earthquake Shaking **Yellow Alert**



**M 6.0, Caribe Wave 19 Kick 'Em Jenny Scenario**

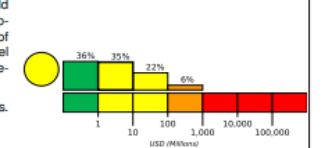
Origin Time: 2019-03-14 14:00:00 UTC (Thu 10:00:00 local)  
Location: 12.3420° N 61.6580° W Depth: 12.0 km

### Estimated Fatalities



Yellow alert for economic losses. Some damage is possible and the impact should be relatively localized. Estimated economic losses are less than 1% of GDP of Grenada. Past events with this alert level have required a local or regional level response.  
Green alert for shaking-related fatalities. There is a low likelihood of casualties.

### Estimated Economic Losses

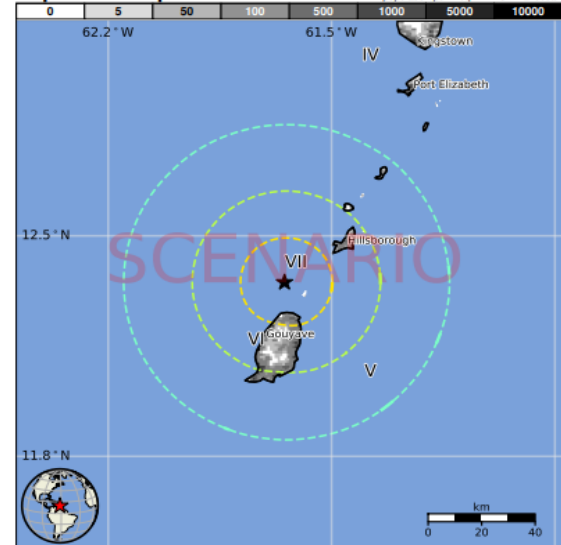


### Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	—*	—*	73k	13k	91k	11k	0	0	0	
ESTIMATED MODIFIED MERCALLI INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+	
PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme	
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

### Population Exposure



### Structures

Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though resistant structures exist. The predominant vulnerable building types are rubble/field stone masonry and unknown/miscellaneous types construction.

### Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2004-11-21	370	6.3	VII(3k)	1
1986-06-11	239	6.2	IX(6k)	2
1997-07-09	292	6.9	VIII(8k)	81

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

### Selected City Exposure

MMI	City	Population
VII	Sauteurs	1k
VI	Victoria	2k
VI	Gouyave	3k
VI	Grenville	2k
VI	Hillsborough	1k
VI	Saint George's	8k
VI	Saint David's	1k
IV	Port Elizabeth	1k
IV	Kingstown	25k
IV	Layou	0
IV	Kingstown Park	18k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.  
<http://earthquake.usgs.gov/data/pager/>

bold cities appear on map. (k=x1000)

Event ID: uscaribewave\_19\_KEJ\_se



# Productos PTWC

# Para el Caribe Wave 19 PTWC emitirá los siguientes productos:

- El mensaje inicial “dummy” para los dos escenarios se emitirá el 14 de marzo de 2019 a las 1400 UTC y difundido a través de todos sus canales de transmisión estándar.
- El PTWC emitirá un mensaje de inicio de ejercicio a través de su cuenta de twitter a las 1400 UTC.
- A partir de las 1405 UTC, se enviarán correos electrónicos de PTWC con todos los productos simulados (texto y gráficos) a CARIBE EWS, TWFP y NTWC para uno de los escenarios.
  - Para el **28 de febrero de 2019**, cada Estado Miembro debe seleccionar un escenario y debe informar su selección a PTWC ([charles.mccreery@noaa.gov](mailto:charles.mccreery@noaa.gov) y [cindi.preller@noaa.gov](mailto:cindi.preller@noaa.gov)) con una copia al Programa de Alerta de Tsunami del Caribe ([christa.vonh@noaa.gov](mailto:christa.vonh@noaa.gov)). Si el Estado miembro no informa al PTWC y al CTWP, los organizadores decidirán para qué escenario el PTWC enviará los productos.
  - Cada país y territorio escogerá un escenario y decidirá cómo difundir los mensajes dentro de su área de responsabilidad.
  - Para verificar la lista actual de UNESCO IOC CARIBE EWS TWFP y NTWC acceder:

[http://www.ioc-tsunami.org/index.php?option=com\\_content&view=article&id=6&Itemid=22&lang=en](http://www.ioc-tsunami.org/index.php?option=com_content&view=article&id=6&Itemid=22&lang=en)

**Username: tsunami pwd: bigwave**

# Escenarios CARIBE WAVE 19 por Estado Miembro/Teritorio

\*escenarios decididos por organizadores de Caribe Wave por manual de ejercicios

Panama	Kick 'em Jenny
Haití	United Kingdom British Virgin Islands
	United States of America Puerto Rico      US Virgin Islands
	Venezuela

## Appendix E. TWC Dummy (Start of Exercise) Messages

PTWC

Centro

WECA41 PHEB 141400

WMO ID

TSUCAX

AWIPS ID

TEST...INITIAL DUMMY START OF EXERCISE MESSAGE...TEST  
NWS PACIFIC TSUNAMI WARNING CENTER/NOAA/NWS  
ISSUED AT 1400Z 14 MAR 2019

...TEST...CARIBE WAVE 19 TSUNAMI EXERCISE DUMMY MESSAGE. REFER TO THE EXERCISE HANDBOOK. THIS IS AN EXERCISE ONLY...TEST...

THIS MESSAGE IS BEING USED TO START THE CARIBE WAVE 19 TSUNAMI EXERCISE AND TEST COMMUNICATIONS WITH UNESCO IOC CARIBE EWS NTWCS AND TWFPS. THIS WILL BE THE ONLY EXERCISE MESSAGE BROADCAST FROM THE PACIFIC TSUNAMI WARNING CENTER EXCLUDING SPECIAL EMAIL MESSAGES DISCUSSED IN THE HANDBOOK. THE HANDBOOK IS AVAILABLE AT THE WEB SITE CARIBEWAVE.INFO. THE EXERCISE PURPOSE IS TO EXERCISE AND EVALUATE THE CARIBE EWS TSUNAMI WARNING SYSTEM.

THIS IS ONLY AN EXERCISE.

\$\$

# Mensaje para el comienzo del Ejercicio CARIBE WAVE 19 que será enviado por la cuenta de Twitter de PTWC

Los usuarios con proveedores de teléfonos celular de EE.UU. pueden recibir los mensajes de Twitter como mensajes de texto, enviando:

**“Follow NWS\_PTWC” al 40404**

(esta cuenta es para todos los productos de PTWC)

y

**“Follow NWS\_CTWP” al 40404**

(esta cuenta es solo para los productos de PTWC para el Caribe y Regiones  
Adyacentes)

**“This is a test message for CARIBEWAVE 19 tsunami exercise  
#CaribeWave”**

(Será diseminado a las 14h00 UTC a las cuentas/suscriptores de NWS\_PTWC y  
NWS\_CTWP)

# Escenario de Panamá



# Cronograma del Mensaje por PTWC Panamá

Fecha	Hora (UTC)	PTWC	
		Tipos de Productos	Transmisión de Métodos
3/14/19	1400	---- Se produce el terremoto----	
3/14/19	1400	Dummy	NWWS, GTS, EMWIN, AISR, Fax, Email
3/14/19	1406	Mensaje de Amenaza de Tsunami #1	Email
3/14/19	1425	Mensaje de Amenaza de Tsunami #2 y Producto Gráfico Mejorado	Email
3/14/19	1440	Mensaje de Amenaza de Tsunami #3	Email
3/14/19	1500	Mensaje de Amenaza de Tsunami #4	Email
3/14/19	1600	Mensaje de Amenaza de Tsunami #5	Email
3/14/19	1700	Mensaje de Amenaza de Tsunami #6	Email
3/14/19	1800	Mensaje de Amenaza de Tsunami #7	Email
3/14/19	1900	Mensaje de Amenaza de Tsunami #8	Email
3/14/19	2000	Mensaje de Amenaza de Tsunami #9	Email
3/14/19	2100	Mensaje de Amenaza de Tsunami #10	Email
3/14/19	2200	Mensaje de Amenaza de Tsunami #11	Email
3/14/19	2300	Mensaje Final de Amenaza de Tsunami #12	Email

## PTWC Message #1

ZCZC

WECA41 PHEB 141406

TSUCAX

← WMO ID

← AWIPS ID

TEST...TSUNAMI MESSAGE NUMBER 1...TEST

NWS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI

1406 UTC THU MAR 14 2019

...THIS MESSAGE IS FOR TEST PURPOSES ONLY...

...TEST TSUNAMI THREAT MESSAGE TEST...

\*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\*

THIS IS A TEST MESSAGE. THIS MESSAGE IS ISSUED FOR INFORMATION ONLY IN SUPPORT OF THE UNESCO/IOC TSUNAMI AND OTHER COASTAL HAZARDS WARNING SYSTEM FOR THE CARIBBEAN AND ADJACENT REGIONS AND IS MEANT FOR NATIONAL AUTHORITIES IN EACH COUNTRY OF THAT SYSTEM.

THIS IS A TEST MESSAGE. NATIONAL AUTHORITIES WILL DETERMINE THE APPROPRIATE LEVEL OF ALERT FOR EACH COUNTRY AND MAY ISSUE ADDITIONAL OR MORE REFINED INFORMATION.

\*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\*

TEST... PRELIMINARY EARTHQUAKE PARAMETERS ...TEST

-----  
\* MAGNITUDE 8.3  
\* ORIGIN TIME 1400 UTC MAR 14 2019  
\* COORDINATES 10.0 NORTH 78.5 WEST  
\* DEPTH 25 KM / 16 MILES  
\* LOCATION NORTH OF PANAMA

TEST... EVALUATION ...TEST

-----  
\* THIS IS A TEST MESSAGE. AN EARTHQUAKE WITH A PRELIMINARY MAGNITUDE OF 8.3 OCCURRED NORTH OF PANAMA AT 1400 UTC ON THURSDAY MARCH 14 2019.

\* THIS IS A TEST MESSAGE. BASED ON THE PRELIMINARY EARTHQUAKE PARAMETERS... WIDESPREAD HAZARDOUS TSUNAMI WAVES ARE POSSIBLE.

TEST... TSUNAMI THREAT FORECAST ...TEST

-----  
\* THIS IS A TEST MESSAGE. HAZARDOUS TSUNAMI WAVES FROM THIS EARTHQUAKE ARE POSSIBLE WITHIN THE NEXT THREE HOURS ALONG SOME COASTS OF

PANAMA... COLOMBIA... SAN ANDRES PROVID... COSTA RICA...  
HAITI... ARUBA... NICARAGUA... CAYMAN ISLANDS...  
JAMAICA... CUBA... BONAIRE... DOMINICAN REP... CURACAO...  
BAHAMAS... PUERTO RICO... US VIRGIN IS... TURKS N  
CAICOS... VENEZUELA... SABA... SAINT KITTS...  
MONTERRAT... SINT EUSTATIUS... GUADELOUPE... DOMINICA...  
MEXICO... HONDURAS... BR VIRGIN IS... SAINT LUCIA... SINT  
MAARTEN... SAINT VINCENT AND MARTINIQUE

TEST... RECOMMENDED ACTIONS ...TEST

-----  
\* THIS IS A TEST MESSAGE. GOVERNMENT AGENCIES RESPONSIBLE FOR THREATENED COASTAL AREAS SHOULD TAKE ACTION TO INFORM AND INSTRUCT ANY COASTAL POPULATIONS AT RISK IN ACCORDANCE WITH THEIR OWN EVALUATION... PROCEDURES AND THE LEVEL OF THREAT.

\* THIS IS A TEST MESSAGE. PERSONS LOCATED IN THREATENED COASTAL AREAS SHOULD STAY ALERT FOR INFORMATION AND FOLLOW INSTRUCTIONS FROM NATIONAL AND LOCAL AUTHORITIES.

TEST... ESTIMATED TIMES OF ARRIVAL ...TEST

-----  
\* THIS IS A TEST MESSAGE. ESTIMATED TIMES OF ARRIVAL -ETA- OF THE INITIAL TSUNAMI WAVE FOR PLACES WITHIN THE REGION IDENTIFIED WITH A POTENTIAL TSUNAMI THREAT. ACTUAL ARRIVAL TIMES MAY DIFFER AND THE INITIAL WAVE MAY NOT BE THE LARGEST. A TSUNAMI IS A SERIES OF WAVES AND THE TIME BETWEEN WAVES CAN BE FIVE MINUTES TO ONE HOUR.

LOCATION	REGION	COORDINATES		ETA (UTC)	
ALIGANDI	PANAMA	9.2N	78.0W	1419	03/14
PUERTO CARRETO	PANAMA	8.8N	77.6W	1434	03/14
CARTAGENA	COLOMBIA	10.4N	75.6W	1440	03/14
PUERTO OBALDIA	PANAMA	8.7N	77.4W	1448	03/14
PROVIDENCIA	SAN ANDRES PROVI	12.6N	81.7W	1449	03/14
SAN ANDRES	SAN ANDRES PROVI	13.4N	81.4W	1452	03/14
COLON	PANAMA	9.4N	79.9W	1454	03/14
PUNTA CARIBANA	COLOMBIA	8.6N	76.9W	1456	03/14
PUERTO LIMON	COSTA RICA	10.0N	83.0W	1500	03/14
SANTA MARTA	COLOMBIA	11.2N	74.2W	1501	03/14
BOCAS DEL TORO	PANAMA	9.4N	82.2W	1512	03/14
BARRANQUILLA	COLOMBIA	11.1N	74.9W	1515	03/14
JACAMEL	HAITI	18.1N	72.5W	1536	03/14
ORANJESTAD	ARUBA	12.5N	70.0W	1548	03/14
RIOHACHA	COLOMBIA	11.6N	72.9W	1553	03/14
JEREMIE	HAITI	18.6N	74.1W	1554	03/14
PUNTA GORDA	NICARAGUA	11.4N	83.8W	1554	03/14
CAYMAN BRAC	CAYMAN ISLANDS	19.7N	79.9W	1556	03/14
KINGSTON	JAMAICA	17.9N	76.9W	1556	03/14
SANTIAGO D CUBA	CUBA	19.9N	75.8W	1557	03/14
ONIMA	BONAIRE	12.3N	68.3W	1558	03/14
GRAND CAYMAN	CAYMAN ISLANDS	19.3N	81.3W	1604	03/14
SANTO DOMINGO	DOMINICAN REP	18.5N	69.9W	1606	03/14
BARACOA	CUBA	20.4N	74.5W	1616	03/14
MONTEGO BAY	JAMAICA	18.5N	77.9W	1620	03/14
WILLEMSTAD	CURACAO	12.1N	68.9W	1622	03/14
GREAT INAGUA	BAHAMAS	20.9N	73.7W	1623	03/14
MAYAGUEZ	PUERTO RICO	18.2N	67.2W	1623	03/14
CIENFUEGOS	CUBA	22.0N	80.5W	1624	03/14
CAP HAITEN	HAITI	19.8N	72.2W	1628	03/14
CABO ENGANO	DOMINICAN REP	18.6N	68.3W	1629	03/14
CHRISTIANSTED	US VIRGIN IS	17.7N	64.7W	1630	03/14
WEST CAICOS	TURKS N CAICOS	21.7N	72.5W	1632	03/14
MAIQUETIA	VENEZUELA	10.6N	67.0W	1635	03/14
GIBARA	CUBA	21.1N	76.1W	1636	03/14
MAYAGUANA	BAHAMAS	22.3N	73.0W	1636	03/14
PUERTO PLATA	DOMINICAN REP	19.8N	70.7W	1639	03/14
SAN JUAN	PUERTO RICO	18.5N	66.1W	1643	03/14
GRAND TURK	TURKS N CAICOS	21.5N	71.1W	1647	03/14
SABA	SABA	17.6N	63.2W	1651	03/14
BASSETERRE	SAINT KITTS	17.3N	62.7W	1653	03/14
PLYMOUTH	MONTSERRAT	16.7N	62.2W	1654	03/14
LONG ISLAND	BAHAMAS	23.3N	75.1W	1656	03/14
SINT EUSTATIUS	SINT EUSTATIUS	17.5N	63.0W	1656	03/14
BASSE TERRE	GUADELOUPE	16.0N	61.7W	1656	03/14
SAN SALVADOR	BAHAMAS	24.1N	74.5W	1656	03/14
CHARLOTTE AMALI	US VIRGIN IS	18.3N	64.9W	1657	03/14
PORT AU PRINCE	HAITI	18.5N	72.4W	1657	03/14
ROSEAU	DOMINICA	15.3N	61.4W	1658	03/14
COZUMEL	MEXICO	20.5N	87.0W	1659	03/14
PUERTO CORTES	HONDURAS	15.9N	88.0W	1659	03/14
ROADTOWN	BR VIRGIN IS	18.4N	64.6W	1700	03/14
CASTRIES	SAINT LUCIA	14.0N	61.0W	1700	03/14
SIMPSON BAAI	SINT MAARTEN	18.0N	63.1W	1701	03/14
KINGSTOWN	SAINT VINCENT	13.1N	61.2W	1701	03/14
FORT DE FRANCE	MARTINIQUE	14.6N	61.1W	1705	03/14
ANEGADA	BR VIRGIN IS	18.8N	64.3W	1705	03/14

TEST... POTENTIAL IMPACTS ...TEST

\* THIS IS A TEST MESSAGE. A TSUNAMI IS A SERIES OF WAVES. THE TIME BETWEEN WAVE CRESTS CAN VARY FROM 5 MINUTES TO AN HOUR. THE HAZARD MAY PERSIST FOR MANY HOURS OR LONGER AFTER THE INITIAL WAVE.

\* THIS IS A TEST MESSAGE. IMPACTS CAN VARY SIGNIFICANTLY FROM ONE SECTION OF COAST TO THE NEXT DUE TO LOCAL BATHYMETRY AND THE SHAPE AND ELEVATION OF THE SHORELINE.

\* THIS IS A TEST MESSAGE. IMPACTS CAN ALSO VARY DEPENDING UPON THE STATE OF THE TIDE AT THE TIME OF THE MAXIMUM TSUNAMI WAVES.

\* THIS IS A TEST MESSAGE. PERSONS CAUGHT IN THE WATER OF A TSUNAMI MAY DROWN... BE CRUSHED BY DEBRIS IN THE WATER... OR BE SWEEPED OUT TO SEA.

TEST... NEXT UPDATE AND ADDITIONAL INFORMATION ...TEST

\* THIS IS A TEST MESSAGE. THE NEXT MESSAGE WILL BE ISSUED IN ONE HOUR... OR SOONER IF THE SITUATION WARRANTS.

\* THIS IS A TEST MESSAGE. AUTHORITATIVE INFORMATION ABOUT THE EARTHQUAKE FROM THE U.S. GEOLOGICAL SURVEY CAN BE FOUND ON THE INTERNET AT EARTHQUAKE.USGS.GOV/EARTHQUAKES -ALL IN LOWERCASE LETTERS-.

\* THIS IS A TEST MESSAGE. FURTHER INFORMATION ABOUT THIS EVENT MAY BE FOUND AT WWW.TSUNAMI.GOV.

\* THIS IS A TEST MESSAGE. COASTAL REGIONS OF THE US GULF COAST... US EAST COAST... AND THE MARITIME PROVINCES OF CANADA SHOULD REFER TO U.S. NATIONAL TSUNAMI WARNING CENTER MESSAGES THAT CAN BE FOUND AT WWW.TSUNAMI.GOV.

THIS IS A TEST MESSAGE. DO NOT TAKE ACTION BASED ON THIS TEST MESSAGE.

\$\$

NNNN

## PTWC Message #2

ZCZC  
WECA41 PHEB 141425 **WMO ID**  
TSUCAX **AWIPS ID**

TEST...TSUNAMI MESSAGE NUMBER 2...TEST  
NWS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI  
1425 UTC THU MAR 14 2019

...THIS MESSAGE IS FOR TEST PURPOSES ONLY...  
...TEST TSUNAMI THREAT MESSAGE TEST...

\*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\*

THIS IS A TEST MESSAGE. THIS MESSAGE IS ISSUED FOR INFORMATION ONLY IN SUPPORT OF THE UNESCO/IOC TSUNAMI AND OTHER COASTAL HAZARDS WARNING SYSTEM FOR THE CARIBBEAN AND ADJACENT REGIONS AND IS MEANT FOR NATIONAL AUTHORITIES IN EACH COUNTRY OF THAT SYSTEM.

THIS IS A TEST MESSAGE. NATIONAL AUTHORITIES WILL DETERMINE THE APPROPRIATE LEVEL OF ALERT FOR EACH COUNTRY AND MAY ISSUE ADDITIONAL OR MORE REFINED INFORMATION.

\*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\*

TEST... PRELIMINARY EARTHQUAKE PARAMETERS ...TEST

-----  
\* MAGNITUDE 8.5  
\* ORIGIN TIME 1400 UTC MAR 14 2019  
\* COORDINATES 10.0 NORTH 78.5 WEST  
\* DEPTH 25 KM / 16 MILES  
\* LOCATION NORTH OF PANAMA

TEST... EVALUATION ...TEST

-----  
\* THIS IS A TEST MESSAGE. AN EARTHQUAKE WITH A PRELIMINARY MAGNITUDE OF 8.5 OCCURRED NORTH OF PANAMA AT 1400 UTC ON THURSDAY MARCH 14 2019.

\* THIS IS A TEST MESSAGE. BASED ON ALL AVAILABLE DATA... HAZARDOUS TSUNAMI WAVES ARE FORECAST FOR SOME COASTS.

TEST... TSUNAMI THREAT FORECAST...UPDATED ...TEST

-----  
\* THIS IS A TEST MESSAGE. TSUNAMI WAVES REACHING MORE THAN 3 METERS ABOVE THE TIDE LEVEL ARE POSSIBLE ALONG SOME COASTS OF COLOMBIA... CUBA... DOMINICAN REPUBLIC... HAITI... PANAMA... AND JAMAICA.

\* THIS IS A TEST MESSAGE. TSUNAMI WAVES REACHING 1 TO 3 METERS ABOVE THE TIDE LEVEL ARE POSSIBLE ALONG SOME COASTS OF

COSTA RICA... NICARAGUA... VENEZUELA... ARUBA... BAHAMAS... BONAIRE... CAYMAN ISLANDS... CURACAO... MARTINIQUE... PUERTO RICO AND VIRGIN ISLANDS... SAINT KITTS AND NEVIS... SAINT LUCIA... SAINT VINCENT AND THE GRENADINES... AND SAN ANDRES AND PROVIDENCIA.

\* THIS IS A TEST MESSAGE. TSUNAMI WAVES REACHING 0.3 TO 1 METERS ABOVE THE TIDE LEVEL ARE POSSIBLE FOR SOME COASTS OF

BELIZE... GUATEMALA... HONDURAS... MEXICO... ANGUILLA... ANTIGUA AND BARBUDA... BARBADOS... DOMINICA... GRENADA... GUADELOUPE... MONTSERRAT... SABA AND SAINT EUSTATIUS... SAINT BARTHELEMY... SINT MAARTEN... SAINT MARTIN... TRINIDAD AND TOBAGO... AND TURKS AND CAICOS ISLANDS.

\* THIS IS A TEST MESSAGE. ACTUAL AMPLITUDES AT THE COAST MAY VARY FROM FORECAST AMPLITUDES DUE TO UNCERTAINTIES IN THE FORECAST AND LOCAL FEATURES. IN PARTICULAR MAXIMUM TSUNAMI AMPLITUDES ON ATOLLS OR SMALL ISLANDS AND AT LOCATIONS WITH FRINGING OR BARRIER REEFS WILL LIKELY BE MUCH SMALLER THAN THE FORECAST INDICATES.

\* THIS IS A TEST MESSAGE. FOR ALL OTHER AREAS COVERED BY THIS MESSAGE... THERE IS NO TSUNAMI THREAT ALTHOUGH SMALL SEA LEVEL CHANGES MAY OCCUR.

## TEST... RECOMMENDED ACTIONS ...TEST

\* THIS IS A TEST MESSAGE. GOVERNMENT AGENCIES RESPONSIBLE FOR THREATENED COASTAL AREAS SHOULD TAKE ACTION TO INFORM AND INSTRUCT ANY COASTAL POPULATIONS AT RISK IN ACCORDANCE WITH THEIR OWN EVALUATION... PROCEDURES AND THE LEVEL OF THREAT.

\* THIS IS A TEST MESSAGE. PERSONS LOCATED IN THREATENED COASTAL AREAS SHOULD STAY ALERT FOR INFORMATION AND FOLLOW INSTRUCTIONS FROM NATIONAL AND LOCAL AUTHORITIES.

## TEST... ESTIMATED TIMES OF ARRIVAL ...TEST

\* THIS IS A TEST MESSAGE. ESTIMATED TIMES OF ARRIVAL -ETA- OF THE INITIAL TSUNAMI WAVE FOR PLACES WITHIN THREATENED REGIONS ARE GIVEN BELOW. ACTUAL ARRIVAL TIMES MAY DIFFER AND THE INITIAL WAVE MAY NOT BE THE LARGEST. A TSUNAMI IS A SERIES OF WAVES AND THE TIME BETWEEN WAVES CAN BE FIVE MINUTES TO ONE HOUR.

LOCATION	REGION	COORDINATES	ETA (UTC)
ALIGANDI	PANAMA	9.2N 78.0W	1419 03/14
PUERTO CARRETO	PANAMA	8.8N 77.6W	1434 03/14
CARTAGENA	COLOMBIA	10.4N 75.6W	1440 03/14
PUERTO OBALDIA	PANAMA	8.7N 77.4W	1448 03/14
PROVIDENCIA	SAN ANDRES PROVI	12.6N 81.7W	1449 03/14
SAN ANDRES	SAN ANDRES PROVI	13.4N 81.4W	1452 03/14
COLON	PANAMA	9.4N 79.9W	1454 03/14
PUNTA CARIBANA	COLOMBIA	8.6N 76.9W	1456 03/14
PUERTO LIMON	COSTA RICA	10.0N 83.0W	1500 03/14
SANTA MARTA	COLOMBIA	11.2N 74.2W	1501 03/14
BOCAS DEL TORO	PANAMA	9.4N 82.2W	1512 03/14
BARRANQUILLA	COLOMBIA	11.1N 74.9W	1515 03/14
JACAMEL	HAITI	18.1N 72.5W	1536 03/14
ORANJESTAD	ARUBA	12.5N 70.0W	1548 03/14
RIOHACHA	COLOMBIA	11.6N 72.9W	1553 03/14
JEREMIE	HAITI	18.6N 74.1W	1554 03/14
PUNTA GORDA	NICARAGUA	11.4N 83.8W	1554 03/14
CAYMAN BRAC	CAYMAN ISLANDS	19.7N 79.9W	1556 03/14
KINGSTON	JAMAICA	17.9N 76.9W	1556 03/14
SANTIAGO D CUBA	CUBA	19.9N 75.8W	1557 03/14
ONIMA	BONAIRE	12.3N 68.3W	1558 03/14
GRAND CAYMAN	CAYMAN ISLANDS	19.3N 81.3W	1604 03/14
SANTO DOMINGO	DOMINICAN REP	18.5N 69.9W	1606 03/14
BARACOA	CUBA	20.4N 74.5W	1616 03/14
MONTEGO BAY	JAMAICA	18.5N 77.9W	1620 03/14
WILLEMSTAD	CURACAO	12.1N 68.9W	1622 03/14
GREAT INAGUA	BAHAMAS	20.9N 73.7W	1623 03/14
MAYAGUEZ	PUERTO RICO	18.2N 67.2W	1623 03/14
CIENFUEGOS	CUBA	22.0N 80.5W	1624 03/14
CAP HAITEN	HAITI	19.8N 72.2W	1628 03/14
CABO ENGANO	DOMINICAN REP	18.6N 68.3W	1629 03/14
CHRISTIANSTED	US VIRGIN IS	17.7N 64.7W	1630 03/14
WEST CAICOS	TURKS N CAICOS	21.7N 72.5W	1632 03/14
MAIQUETIA	VENEZUELA	10.6N 67.0W	1635 03/14
GIBARA	CUBA	21.1N 76.1W	1636 03/14
MAYAGUANA	BAHAMAS	22.3N 73.0W	1636 03/14
PUERTO PLATA	DOMINICAN REP	19.8N 70.7W	1639 03/14
SAN JUAN	PUERTO RICO	18.5N 66.1W	1643 03/14
GRAND TURK	TURKS N CAICOS	21.5N 71.1W	1647 03/14
SABA	SABA	17.6N 63.2W	1651 03/14
BASSETERRE	SAINT KITTS	17.3N 62.7W	1653 03/14
PLYMOUTH	MONTSERRAT	16.7N 62.2W	1654 03/14
LONG ISLAND	BAHAMAS	23.3N 75.1W	1656 03/14
SINT EUSTATIUS	SINT EUSTATIUS	17.5N 63.0W	1656 03/14
BASSE TERRE	GUADELOUPE	16.0N 61.7W	1656 03/14
SAN SALVADOR	BAHAMAS	24.1N 74.5W	1656 03/14
CHARLOTTE AMALI	US VIRGIN IS	18.3N 64.9W	1657 03/14
PORT AU PRINCE	HAITI	18.5N 72.4W	1657 03/14
ROSEAU	DOMINICA	15.3N 61.4W	1658 03/14

COZUMEL	MEXICO	20.5N	87.0W	1659	03/14
PUERTO CORTES	HONDURAS	15.9N	88.0W	1659	03/14
ROADTOWN	BR VIRGIN IS	18.4N	64.6W	1700	03/14
CASTRIES	SAINT LUCIA	14.0N	61.0W	1700	03/14
SIMPSON BAAI	SINT MAARTEN	18.0N	63.1W	1701	03/14
KINGSTOWN	SAINT VINCENT	13.1N	61.2W	1701	03/14
FORT DE FRANCE	MARTINIQUE	14.6N	61.1W	1705	03/14
ANEGADA	BR VIRGIN IS	18.8N	64.3W	1705	03/14
EXUMA	BAHAMAS	23.6N	75.9W	1706	03/14
CUMANA	VENEZUELA	10.5N	64.2W	1707	03/14
THE VALLEY	ANGUILLA	18.3N	63.1W	1709	03/14
SAINT GEORGES	GRENADA	12.0N	61.8W	1711	03/14
CROOKED ISLAND	BAHAMAS	22.7N	74.1W	1711	03/14
CAT ISLAND	BAHAMAS	24.4N	75.5W	1715	03/14
BAIE LUCAS	SAINT MARTIN	18.1N	63.0W	1723	03/14
ELEUTHERA ISLAN	BAHAMAS	25.2N	76.1W	1723	03/14
LA HABANA	CUBA	23.2N	82.4W	1725	03/14
BAIE GRAND CASE	SAINT MARTIN	18.1N	63.1W	1726	03/14
BRIDGETOWN	BARBADOS	13.1N	59.6W	1727	03/14
SAINT BARTHELEM	SAINT BARTHELEMY	17.9N	62.8W	1728	03/14
ANDROS ISLAND	BAHAMAS	25.0N	77.9W	1732	03/14
SAINT JOHNS	ANTIGUA	17.1N	61.9W	1733	03/14
PALMETTO POINT	BARBUDA	17.6N	61.9W	1736	03/14
BAIE BLANCHE	SAINT MARTIN	18.1N	63.0W	1742	03/14
NASSAU	BAHAMAS	25.1N	77.4W	1744	03/14
TRUJILLO	HONDURAS	15.9N	86.0W	1745	03/14
PIRATES BAY	TRINIDAD TOBAGO	11.3N	60.6W	1753	03/14
FREEPORT	BAHAMAS	26.5N	78.8W	1756	03/14
ABACO ISLAND	BAHAMAS	26.6N	77.1W	1801	03/14
PUNTO FIJO	VENEZUELA	11.7N	70.2W	1808	03/14
BELIZE CITY	BELIZE	17.5N	88.2W	1809	03/14
BIMINI	BAHAMAS	25.8N	79.3W	1809	03/14
PORT OF SPAIN	TRINIDAD TOBAGO	10.6N	61.5W	1825	03/14
PUERTO BARRIOS	GUATEMALA	15.7N	88.6W	1852	03/14
SANTA CRZ D SUR	CUBA	20.7N	78.0W	1858	03/14
GOLFO VENEZUELA	VENEZUELA	11.4N	71.2W	1907	03/14
PUERTO CABEZAS	NICARAGUA	14.0N	83.4W	1942	03/14
NUEVA GERONA	CUBA	21.9N	82.8W	2015	03/14
PORLAMAR	VENEZUELA	10.9N	63.8W	2031	03/14

TEST... POTENTIAL IMPACTS ...TEST

-----

\* THIS IS A TEST MESSAGE. A TSUNAMI IS A SERIES OF WAVES. THE TIME BETWEEN WAVE CRESTS CAN VARY FROM 5 MINUTES TO AN HOUR. THE HAZARD MAY PERSIST FOR MANY HOURS OR LONGER AFTER THE INITIAL WAVE.

\* THIS IS A TEST MESSAGE. IMPACTS CAN VARY SIGNIFICANTLY FROM ONE SECTION OF COAST TO THE NEXT DUE TO LOCAL BATHYMETRY AND THE SHAPE AND ELEVATION OF THE SHORELINE.

\* THIS IS A TEST MESSAGE. IMPACTS CAN ALSO VARY DEPENDING UPON THE STATE OF THE TIDE AT THE TIME OF THE MAXIMUM TSUNAMI WAVES.

\* THIS IS A TEST MESSAGE. PERSONS CAUGHT IN THE WATER OF A TSUNAMI MAY DROWN... BE CRUSHED BY DEBRIS IN THE WATER... OR BE SWEEPED OUT TO SEA.

TEST... NEXT UPDATE AND ADDITIONAL INFORMATION ...TEST

-----

\* THIS IS A TEST MESSAGE. THE NEXT MESSAGE WILL BE ISSUED IN ONE HOUR... OR SOONER IF THE SITUATION WARRANTS.

\* THIS IS A TEST MESSAGE. AUTHORITATIVE INFORMATION ABOUT THE EARTHQUAKE FROM THE U.S. GEOLOGICAL SURVEY CAN BE FOUND ON THE INTERNET AT [EARTHQUAKE.USGS.GOV/EARTHQUAKES](http://EARTHQUAKE.USGS.GOV/EARTHQUAKES) -ALL IN LOWERCASE LETTERS-.

\* THIS IS A TEST MESSAGE. FURTHER INFORMATION ABOUT THIS EVENT MAY BE FOUND AT [WWW.TSUNAMI.GOV](http://WWW.TSUNAMI.GOV).

\* THIS IS A TEST MESSAGE. COASTAL REGIONS OF THE US GULF COAST... US EAST COAST... AND THE MARITIME PROVINCES OF CANADA SHOULD REFER TO U.S. NATIONAL TSUNAMI WARNING CENTER MESSAGES THAT CAN BE FOUND AT [WWW.TSUNAMI.GOV](http://WWW.TSUNAMI.GOV).

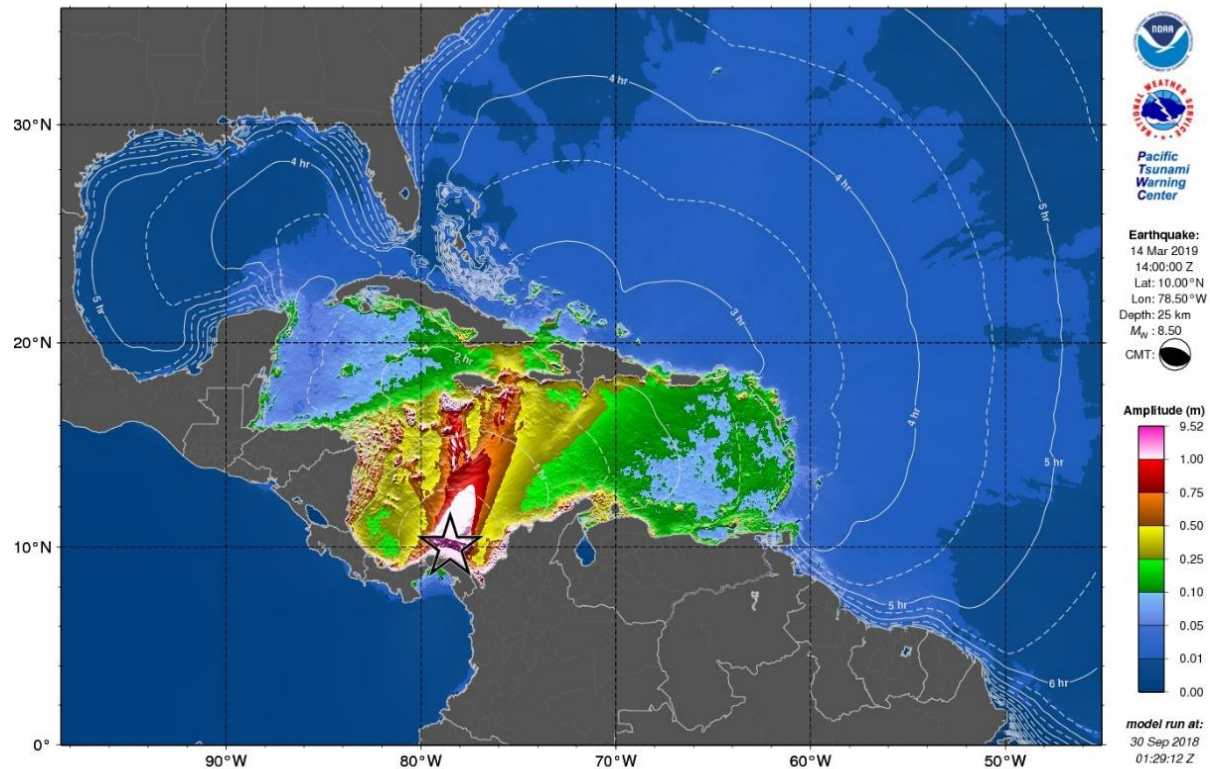
THIS IS A TEST MESSAGE. DO NOT TAKE ACTION BASED ON THIS TEST MESSAGE.

\$\$

NNNN



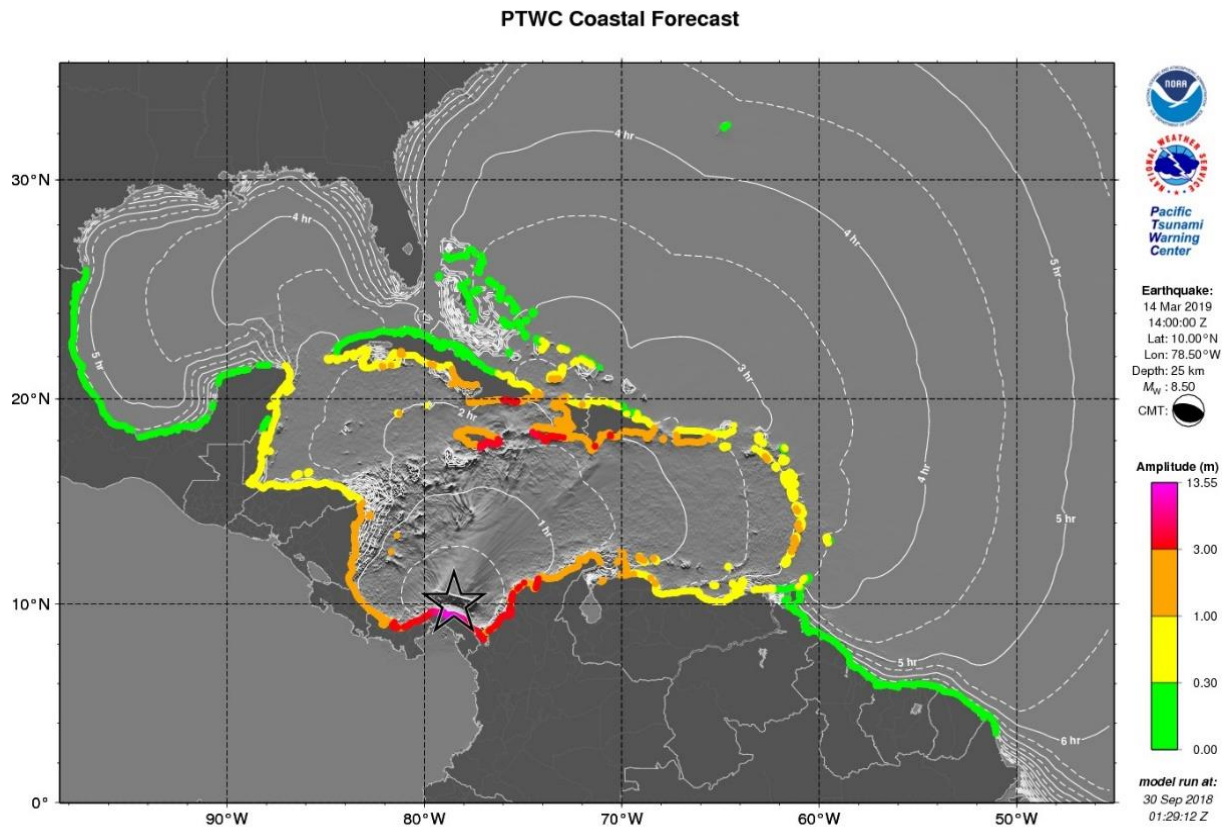
# Pronóstico de Amplitud de Olas de Tsunami Panamá



**Mapa RIFT con la amplitud máxima del tsunami basado en el escenario de Panamá.**

Durante un evento real este producto sólo se pondrá a disposición de los oficialmente designados Puntos Focales de Alerta de Tsunami y Contactos Nacionales de Tsunami.

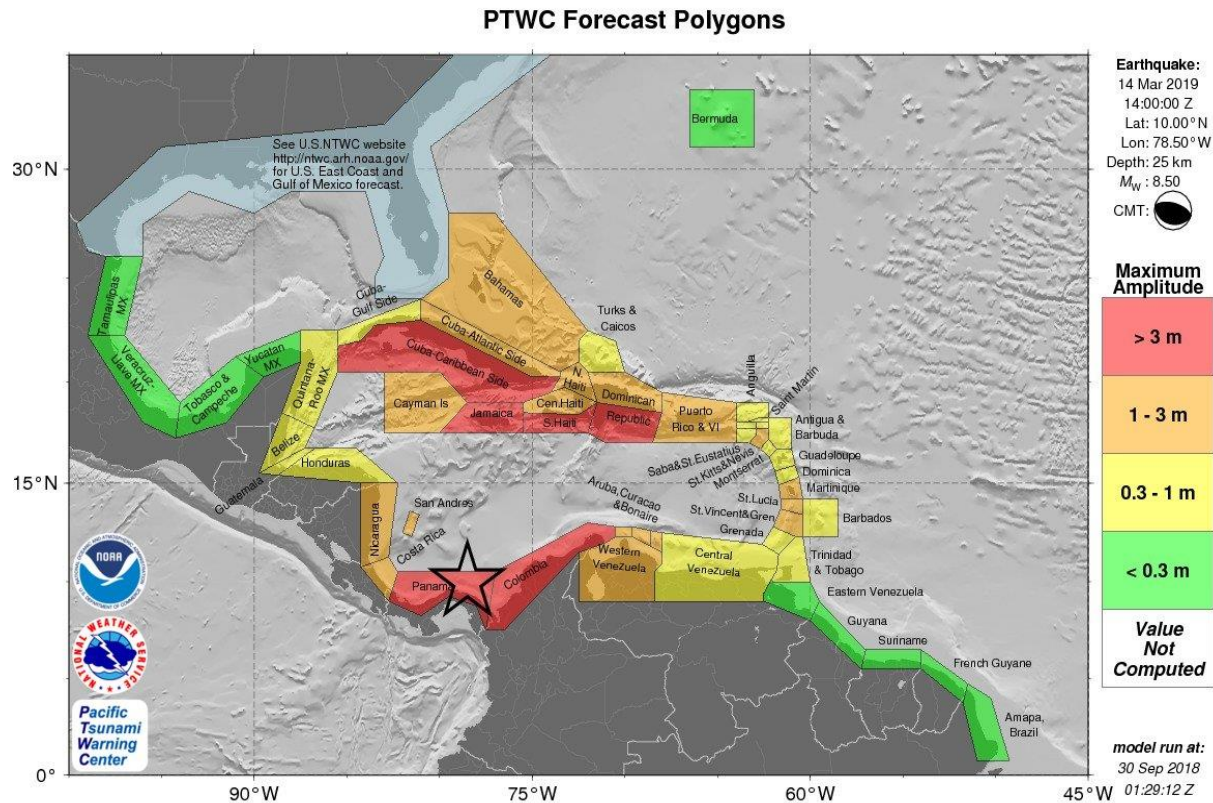
# Pronóstico de Amplitud de Olas de Tsunami Panamá



**Mapa RIFT con la amplitud máxima del tsunami en la costa del Sur del Caribe basado en el escenario de Panamá.**

Durante un evento real este producto sólo se pondrá a disposición de los oficialmente designados Puntos Focales de Alerta de Tsunami y Contactos Nacionales de Tsunami.

# Pronóstico de Amplitud de Olas de Tsunami Panamá

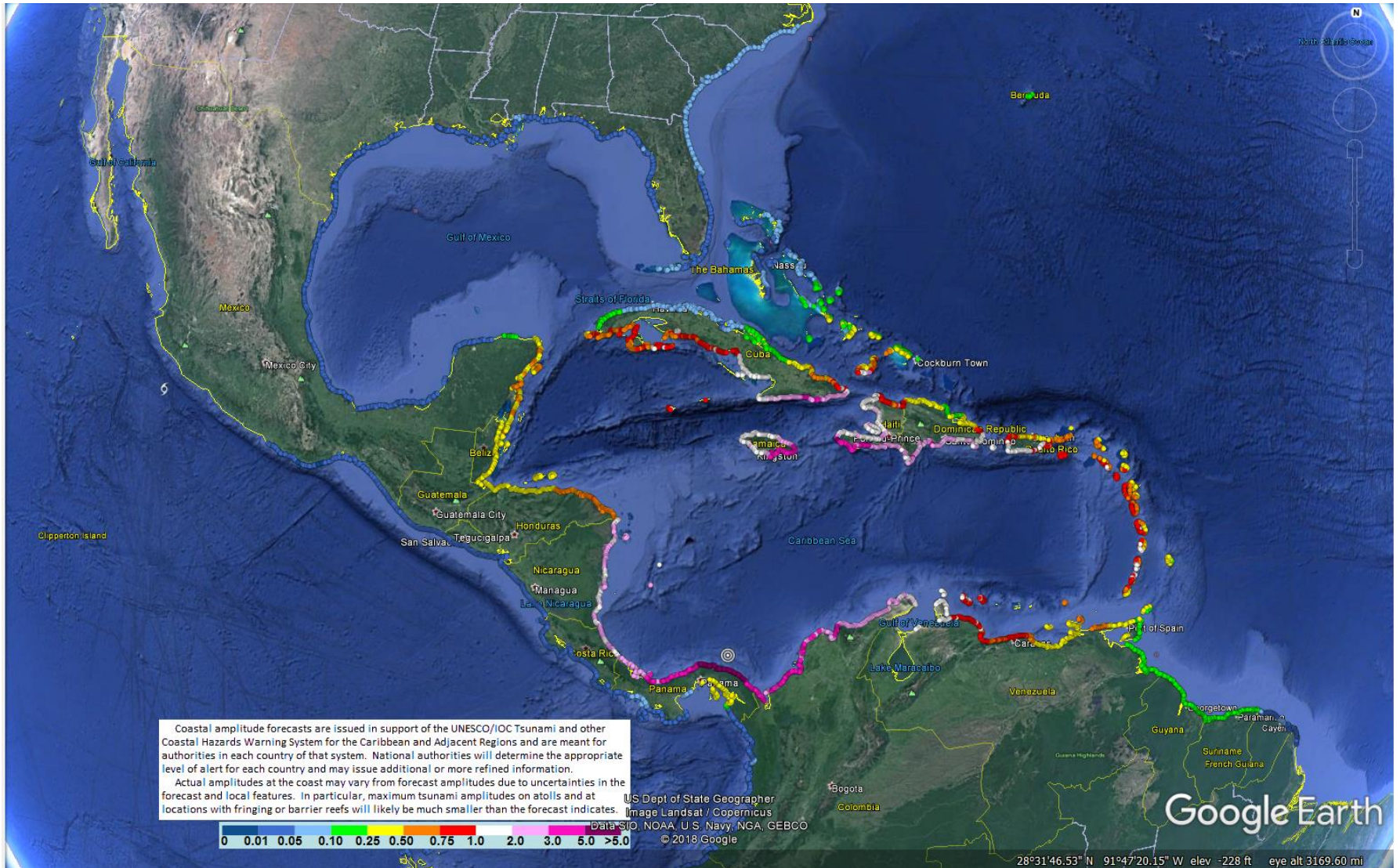


**Mapa RIFT de polígonos de pronóstico para la región para el escenario de Panamá.**

Durante un evento real este producto sólo se pondrá a disposición de los oficialmente designados Puntos Focales de Alerta de Tsunami y Contactos Nacionales de Tsunami.



# KMZ Panamá



# Estadísticas de pronóstico para polígonos regionales\*

## Panamá

Region Name	Coastal Forecast (meters)				Offshore Forecast (meters)				Total Points
	Maximum	Mean	Median	STD	Maximum	Mean	Median	STD	
Caribbean Coast of Panama	14.	5.10	3.50	3.30	9.5	2.70	2.10	1.70	179
Caribbean Coast of Haiti	5.6	3.10	3.00	0.78	2.3	0.98	0.89	0.38	89
Jamaica	5.3	2.50	2.00	1.10	3.6	0.99	0.88	0.51	146
Caribbean Coast of Colombia	4.0	2.70	2.70	0.57	3.4	1.60	1.60	0.57	255
Caribbean Coast of Cuba	3.9	1.30	0.97	0.80	2.3	0.37	0.29	0.26	422
Caribbean Coast of Dominican Republic	3.3	2.20	2.20	0.43	3.3	1.10	0.93	0.60	148
Caribbean Coast of Costa Rica	2.7	2.20	2.20	0.24	2.0	1.20	1.20	0.32	48
Gulf of Gonave Coast of Haiti	2.6	1.70	1.70	0.31	2.0	0.63	0.52	0.33	140
Caribbean Coast of Nicaragua	2.4	2.00	2.10	0.20	1.7	0.84	0.81	0.22	139
Bahamas	2.3	0.20	0.08	0.34	1.3	0.10	0.03	0.17	443
San Andres and Providencia	2.1	2.00	2.00	0.05	0.84	0.82	0.82	0.02	4
Atlantic Coast of Haiti	1.9	1.00	0.94	0.31	1.2	0.38	0.35	0.17	66
Puerto Rico and Virgin Islands	1.8	0.85	0.81	0.34	1.4	0.43	0.32	0.30	190
Western Coast of Venezuela	1.8	1.10	1.00	0.29	1.0	0.58	0.58	0.19	100
Curacao	1.6	1.10	0.94	0.25	0.56	0.34	0.33	0.07	27
Aruba	1.6	1.30	1.30	0.17	0.68	0.47	0.43	0.14	8
Saint Lucia	1.4	0.77	0.84	0.32	0.38	0.25	0.26	0.08	26
Saint Vincent and the Grenadines	1.3	0.95	1.00	0.18	0.54	0.30	0.31	0.08	33
Cayman Islands	1.2	0.87	0.89	0.12	0.50	0.37	0.33	0.09	9
Bonaire	1.2	0.92	0.90	0.11	0.73	0.41	0.38	0.12	15
Atlantic Coast of Cuba	1.1	0.25	0.20	0.24	0.48	0.09	0.05	0.10	259
Atlantic Coast of Dominican Republic	1.1	0.38	0.34	0.18	1.9	0.23	0.16	0.26	129
Saint Kitts and Nevis	1.1	0.81	0.73	0.18	0.52	0.29	0.24	0.12	29
Martinique	1.1	0.72	0.76	0.23	0.50	0.27	0.26	0.09	41
Saba and Saint Eustatius	0.98	0.70	0.64	0.12	0.26	0.18	0.16	0.04	8
Central Coast of Venezuela	0.96	0.54	0.49	0.18	0.86	0.22	0.19	0.12	238
Grenada	0.94	0.63	0.73	0.25	0.76	0.27	0.23	0.16	29
Guadeloupe	0.92	0.61	0.60	0.17	0.55	0.24	0.20	0.10	73
Montserrat	0.92	0.79	0.77	0.08	0.35	0.25	0.23	0.06	11
Dominica	0.89	0.71	0.74	0.13	0.72	0.21	0.19	0.11	31
Antigua and Barbuda	0.79	0.45	0.32	0.19	0.62	0.29	0.25	0.16	28
Caribbean Coast of Honduras	0.75	0.51	0.45	0.13	1.7	0.31	0.27	0.21	185
Sint Maarten	0.73	0.70	0.69	0.03	0.49	0.33	0.32	0.12	6
Anguilla	0.71	0.57	0.64	0.15	0.73	0.44	0.39	0.14	8
Saint Martin	0.66	0.66	0.66	0.00	0.52	0.46	0.45	0.05	3
Gulf of Mexico Coast of Cuba	0.63	0.12	0.09	0.08	0.10	0.03	0.03	0.02	121
Quintana Roo Mexico	0.62	0.40	0.47	0.19	1.1	0.17	0.17	0.13	165
Belize	0.57	0.39	0.37	0.05	0.43	0.15	0.14	0.06	90
Turks and Caicos Islands	0.56	0.30	0.27	0.12	0.37	0.14	0.14	0.07	46
Saint Barthelemy	0.56	0.43	0.45	0.13	0.37	0.27	0.26	0.06	4
Barbados	0.53	0.35	0.34	0.08	0.17	0.12	0.13	0.03	21
Caribbean Coast of Guatemala	0.42	0.41	0.41	0.00	0.34	0.15	0.14	0.06	13
Trinidad and Tobago	0.31	0.23	0.25	0.06	0.33	0.15	0.15	0.07	77
Atlantic Coast of Venezuela	0.24	0.20	0.21	0.03	0.11	0.06	0.06	0.02	82
Guyana	0.22	0.16	0.16	0.02	0.13	0.05	0.04	0.02	101
Yucatan Mexico	0.21	0.06	0.03	0.07	0.08	0.02	0.01	0.02	59
Bermuda	0.20	0.18	0.18	0.01	0.18	0.09	0.08	0.04	8
Suriname	0.18	0.15	0.15	0.02	0.05	0.03	0.03	0.01	108
French Guyane	0.11	0.05	0.05	0.01	0.05	0.02	0.02	0.01	84
Veracruz Mexico	0.04	0.03	0.03	0.00	0.01	0.01	0.01	0.00	152
Amapa Brazil	0.04	0.04	0.04	0.00	0.02	0.01	0.01	0.00	37
Tabasco and Campeche Mexico	0.03	0.03	0.03	0.00	0.01	0.01	0.01	0.00	115
Tamaulipas Mexico	0.03	0.03	0.03	0.00	0.01	0.01	0.01	0.00	126

\* Las amplitudes reales en la costa pueden variar de las amplitudes de pronóstico debido a las incertidumbres en el pronóstico y las características locales. En particular, las amplitudes máximas de los tsunamis en las islas pequeñas probablemente serán mucho menores de lo previsto.

**PTWC Message #12**

ZCZC  
WECA41 PHEB 142300  
TSUCAX

← WMO ID  
← AWIPS ID

TEST...TSUNAMI MESSAGE NUMBER 12...TEST  
NWS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI  
2300 UTC THU MAR 14 2019

...THIS MESSAGE IS FOR TEST PURPOSES ONLY...  
...TEST FINAL TSUNAMI THREAT MESSAGE TEST...

\*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\*

THIS IS A TEST MESSAGE. THIS MESSAGE IS ISSUED FOR INFORMATION ONLY IN SUPPORT OF THE UNESCO/IOC TSUNAMI AND OTHER COASTAL HAZARDS WARNING SYSTEM FOR THE CARIBBEAN AND ADJACENT REGIONS AND IS MEANT FOR NATIONAL AUTHORITIES IN EACH COUNTRY OF THAT SYSTEM.

THIS IS A TEST MESSAGE. NATIONAL AUTHORITIES WILL DETERMINE THE APPROPRIATE LEVEL OF ALERT FOR EACH COUNTRY AND MAY ISSUE ADDITIONAL OR MORE REFINED INFORMATION.

\*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\*

TEST... PRELIMINARY EARTHQUAKE PARAMETERS ...TEST  
-----  
\* MAGNITUDE 8.5  
\* ORIGIN TIME 1400 UTC MAR 14 2019  
\* COORDINATES 10.0 NORTH 78.5 WEST  
\* DEPTH 25 KM / 16 MILES  
\* LOCATION NORTH OF PANAMA

TEST... EVALUATION ...TEST  
-----

\* THIS IS A TEST MESSAGE. AN EARTHQUAKE WITH A PRELIMINARY MAGNITUDE OF 8.5 OCCURRED NORTH OF PANAMA AT 1400 UTC ON THURSDAY MARCH 14 2019.

\* THIS IS A TEST MESSAGE. BASED ON ALL AVAILABLE DATA... THE TSUNAMI THREAT FROM THIS EARTHQUAKE HAS PASSED AND THERE IS NO FURTHER THREAT.

TEST... TSUNAMI THREAT FORECAST...UPDATED ...TEST  
-----

\* THIS IS A TEST MESSAGE. THE TSUNAMI THREAT HAS NOW LARGELY PASSED.

TEST... RECOMMENDED ACTIONS ...TEST  
-----

\* THIS IS A TEST MESSAGE. GOVERNMENT AGENCIES RESPONSIBLE FOR ANY IMPACTED COASTAL AREAS SHOULD MONITOR CONDITIONS AT THE COAST TO DETERMINE IF AND WHEN IT IS SAFE TO RESUME NORMAL ACTIVITIES.

\* THIS IS A TEST MESSAGE. PERSONS LOCATED NEAR IMPACTED COASTAL AREAS SHOULD STAY ALERT FOR INFORMATION AND FOLLOW INSTRUCTIONS FROM LOCAL AUTHORITIES.

\* THIS IS A TEST MESSAGE. REMAIN OBSERVANT AND EXERCISE NORMAL CAUTION NEAR THE SEA.

TEST... POTENTIAL IMPACTS ...TEST  
-----

\* THIS IS A TEST MESSAGE. MINOR SEA LEVEL FLUCTUATIONS UP TO 30 CM ABOVE AND BELOW THE NORMAL TIDE MAY OCCUR IN COASTAL AREAS NEAR THE EARTHQUAKE OVER THE NEXT FEW HOURS.... AND CONTINUING FOR UP TO SEVERAL HOURS.



GAUGE LOCATION	GAUGE COORDINATES		TIME OF MEASURE (UTC)	MAXIMUM TSUNAMI HEIGHT	WAVE PERIOD (MIN)	
	LAT	LOX				
DAUPHIN ISLAND AL	30.3N	88.1W	2017	0.03M/	0.1FT	16
BERMUDA UK	32.4N	64.7W	1830	0.18M/	0.6FT	26
TELA HN	15.8N	87.5W	1812	0.35M/	1.1FT	20
CHARLOTTEVILLE TT	11.3N	60.5W	1807	0.29M/	1.0FT	16
ISLA MUJERES MX	21.3N	86.7W	1742	0.53M/	1.7FT	20
BRIDGEPORT BB	13.1N	59.6W	1741	0.45M/	1.5FT	20
GANTERS BAY ST LUCI	14.0N	61.0W	1733	0.98M/	3.2FT	18
PARHAM AT	17.1N	61.8W	1737	0.37M/	1.2FT	18
BLOWING POINT AI	18.2N	63.1W	1729	0.71M/	2.3FT	24
LE ROBERT MARTINIQU	14.7N	60.9W	1728	0.41M/	1.3FT	18
SAINTE MARTIN FR	18.1N	63.1W	1727	0.66M/	2.2FT	28
DESIRADE GUADELOUPE	16.3N	61.1W	1727	0.31M/	1.0FT	18
PRICKLEY BAY GD	12.0N	61.8W	1726	0.91M/	3.0FT	20
CEIBA CABOTAGE HN	15.9N	86.8W	1725	0.42M/	1.4FT	22
POINT A PITRE GP	16.2N	61.5W	1721	0.50M/	1.7FT	26
LAMESHURBAYSTJOHNVI	18.3N	64.7W	1718	0.75M/	2.5FT	22
CALLIAQUA VC	13.1N	61.2W	1712	1.27M/	4.2FT	24
FORT DE FRANCE MQ	14.6N	61.1W	1713	1.13M/	3.7FT	28
MARIGOT DM	15.5N	61.3W	1718	0.51M/	1.7FT	18
CARRIE BOW CAY BZ	16.8N	88.1W	1708	0.36M/	1.2FT	14
PUERTO CORTES HN	15.6N	88.0W	1705	0.39M/	1.3FT	18
ROSEAU DM	15.3N	61.4W	1705	0.76M/	2.5FT	24
LE PRECHEUR MARTINI	14.8N	61.2W	1709	0.77M/	2.5FT	26
PORTSMOUTH DM	15.6N	61.5W	1710	0.81M/	2.6FT	22
DESHAIES GUADELOUPE	16.3N	61.8W	1708	0.92M/	3.0FT	22
SIAN KAN MX	19.3N	87.4W	1707	0.52M/	1.7FT	26
PUERTO MORELOS MX	20.9N	86.9W	1702	0.40M/	1.3FT	16
PUERTO MORELOS MX	20.9N	86.9W	1704	0.40M/	1.3FT	22
BASSETERRE KN	17.3N	62.7W	1702	0.71M/	2.3FT	26
UTILA ISLAND HN	16.1N	86.9W	1658	0.46M/	1.5FT	22
GRAND TURK ISLAND T	21.4N	71.1W	1652	0.20M/	0.7FT	18
SAN JUAN PR	18.5N	66.1W	1655	0.53M/	1.7FT	28
PUERTO PLATA DO	19.8N	70.7W	1653	0.32M/	1.0FT	24
ARECIBO PR	18.5N	66.7W	1645	0.47M/	1.6FT	14
ROATAN ISLAND HN	16.3N	86.5W	1648	0.41M/	1.3FT	26
ESPERANZA VIEQUES P	18.1N	65.5W	1643	1.01M/	3.3FT	28
LIMETREE VI	17.7N	64.8W	1638	0.79M/	2.6FT	28
AGUADILLA PR	18.5N	67.2W	1636	0.89M/	2.9FT	22
ST CROIX VI	17.7N	64.7W	1638	0.83M/	2.7FT	16
PORT SAN ANDRES DO	18.4N	69.6W	1638	2.65M/	8.7FT	28
CAP HAITIEN HT	19.8N	72.2W	1642	0.56M/	1.8FT	22
CAJA DE MUERTOS PR	17.9N	66.5W	1642	1.06M/	3.5FT	28
YABUCOA PR	18.1N	65.8W	1634	1.07M/	3.5FT	16
MAGUEYES ISLAND PR	18.0N	67.0W	1635	1.18M/	3.9FT	18
MAYAGUEZ PR	18.2N	67.2W	1631	1.21M/	4.0FT	20
PUNTA CANA DO	18.5N	68.4W	1623	1.44M/	4.7FT	24
MONA ISLAND PR	18.1N	67.9W	1621	1.21M/	4.0FT	26

GEORGE TOWN CY	19.3N	81.4W	1610	0.73M/	2.4FT	18
BARAHONA DO	18.2N	71.1W	1609	2.53M/	8.3FT	26
PORT ROYAL JM	17.9N	76.8W	1602	4.51M/	14.8FT	26
BULLEN BAY CURACAO	12.2N	69.0W	1610	1.41M/	4.6FT	26
DART 42407	15.3N	68.2W	1602	0.12M/	0.4FT	20
PUERTO ESTRELLA CO	12.4N	71.3W	1602	1.99M/	6.5FT	22
JACMEL HT	18.2N	72.5W	1550	2.58M/	8.5FT	22
SANTA MARTA CO	11.2N	74.2W	1510	3.15M/	10.3FT	16
LIMON CR	10.0N	83.0W	1510	2.49M/	8.2FT	24
SAN ANDRES CO	12.6N	81.7W	1503	2.50M/	8.2FT	14
COVENAS CO	9.4N	76.2W	1503	3.54M/	11.6FT	20
SAPZURRO CO	8.7N	77.4W	1453	3.64M/	11.9FT	24
ISLA NAVAL CO	10.2N	75.8W	1451	2.98M/	9.8FT	22
EL PORVENIR PA	9.6N	78.9W	1427	11.04M/	36.2FT	16

TEST... NEXT UPDATE AND ADDITIONAL INFORMATION ...TEST

\* THIS IS A TEST MESSAGE. THIS WILL BE THE FINAL STATEMENT

ISSUED FOR THIS EVENT UNLESS NEW INFORMATION IS RECEIVED OR THE SITUATION CHANGES.

\* THIS IS A TEST MESSAGE. AUTHORITATIVE INFORMATION ABOUT THE EARTHQUAKE FROM THE U.S. GEOLOGICAL SURVEY CAN BE FOUND ON THE INTERNET AT EARTHQUAKE.USGS.GOV/EARTHQUAKES -ALL IN LOWERCASE LETTERS-

\* THIS IS A TEST MESSAGE. FURTHER INFORMATION ABOUT THIS EVENT MAY BE FOUND AT WWW.TSUNAMI.GOV.

\* THIS IS A TEST MESSAGE. COASTAL REGIONS OF THE US GULF COAST... US EAST COAST... AND THE MARITIME PROVINCES OF CANADA SHOULD REFER TO U.S. NATIONAL TSUNAMI WARNING CENTER MESSAGES THAT CAN BE FOUND AT WWW.TSUNAMI.GOV.

THIS IS A TEST MESSAGE. DO NOT TAKE ACTION BASED ON THIS TEST MESSAGE.

\$\$

NNNN

# Escenario de Kick 'em Jenny

# Cronograma del Mensaje por PTWC

## Kick 'em Jenny

Fecha	Hora (UTC)	PTWC	
		Tipos de Productos	Transmisión de Métodos
3/14/19	1400	----- Se produce el terremoto-----	
3/14/19	1400	Dummy	NWWS, GTS, EMWIN, AISR, Fax, Email
3/14/19	1405	Declaración de Información de Tsunami #1	Email
3/14/19	1430	Mensaje de Amenaza de Tsunami #2	Email
3/14/19	1500	Mensaje de Amenaza da Tsunami #3	Email
3/14/19	1530	Mensaje de Amenaza de Tsunami #4	Email
3/14/19	1600	Mensaje de Amenaza de Tsunami #5	Email
3/14/19	1630	Mensaje Final de Amenaza de Tsunami #6	Email

**PTWC Message #1**

ZCZC  
WECA43 PHEB 141405 ← **WMO ID**  
TIBCAX ← **AWIPS ID**

TEST...TSUNAMI INFORMATION STATEMENT NUMBER 1...TEST  
NWS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI  
1405 UTC THU MAR 14 2019

...THIS MESSAGE IS FOR TEST PURPOSES ONLY...  
...TEST TSUNAMI INFORMATION STATEMENT TEST...

\*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\*

THIS STATEMENT IS ISSUED FOR INFORMATION ONLY IN SUPPORT OF THE  
UNESCO/IOC TSUNAMI AND OTHER COASTAL HAZARDS WARNING SYSTEM FOR  
THE CARIBBEAN AND ADJACENT REGIONS AND IS MEANT FOR NATIONAL  
AUTHORITIES IN EACH COUNTRY OF THAT SYSTEM.

NATIONAL AUTHORITIES WILL DETERMINE THE APPROPRIATE LEVEL OF  
ALERT FOR EACH COUNTRY AND MAY ISSUE ADDITIONAL OR MORE REFINED  
INFORMATION.

\*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\*

TEST...PRELIMINARY EARTHQUAKE PARAMETERS...TEST

\* MAGNITUDE 6.0  
\* ORIGIN TIME 1400 UTC MAR 14 2019  
\* COORDINATES 12.3 NORTH 61.6 WEST  
\* DEPTH 10 KM / 6 MILES  
\* LOCATION WINDWARD ISLANDS

TEST...EVALUATION...TEST

\* THIS IS A TEST MESSAGE.  
AN EARTHQUAKE WITH A PRELIMINARY MAGNITUDE OF 6.0 OCCURRED IN  
THE LEEWARD ISLANDS AT 1400 UTC ON THURSDAY MARCH 14 2019.

\* THIS IS A TEST MESSAGE.  
THE PRELIMINARY LOCATION OF THIS EARTHQUAKE IS NEAR  
KICK-EM-JENNY VOLCANO. THE SEISMIC RESEARCH CENTER OF THE  
UNIVERSITY OF THE WEST INDIES HAS RECENTLY BEEN REPORTING THAT  
THIS VOLCANO IS EXHIBITING ELEVATED SIGNS OF UNREST.

\* THIS IS A TEST MESSAGE.  
BASED ON ALL AVAILABLE DATA... THERE IS NO SIGNIFICANT  
TSUNAMI THREAT FROM THE EARTHQUAKE. HOWEVER... THERE IS A  
SMALL POSSIBILITY OF TSUNAMI WAVES ALONG CARIBBEAN COASTS  
LOCATED NEAREST THE EPICENTER... PARTICULARLY IF THE  
EARTHQUAKE IS ASSOCIATED WITH AN ERUPTION OF THE VOLCANO.

TEST...RECOMMENDED ACTIONS...TEST

\* THIS IS A TEST MESSAGE.  
NO ACTION IS REQUIRED.

TEST...NEXT UPDATE AND ADDITIONAL INFORMATION...TEST

\* THIS IS A TEST MESSAGE.  
THIS WILL BE THE ONLY STATEMENT ISSUED FOR THIS EVENT UNLESS  
ADDITIONAL DATA ARE RECEIVED OR THE SITUATION CHANGES.

\* THIS IS A TEST MESSAGE.  
AUTHORITATIVE INFORMATION ABOUT THE EARTHQUAKE FROM THE U.S.  
GEOLOGICAL SURVEY CAN BE FOUND ON THE INTERNET AT  
EARTHQUAKE.USGS.GOV/EARTHQUAKES -ALL IN LOWERCASE LETTERS-.

\* THIS IS A TEST MESSAGE.  
FURTHER INFORMATION ABOUT THIS EVENT MAY BE FOUND AT  
WWW.TSUNAMI.GOV.

\* THIS IS A TEST MESSAGE.  
COASTAL REGIONS OF PUERTO RICO... THE U.S. VIRGIN ISLANDS...  
AND THE BRITISH VIRGIN ISLANDS SHOULD REFER TO PACIFIC  
TSUNAMI WARNING CENTER MESSAGES SPECIFICALLY FOR THOSE  
PLACES THAT CAN BE FOUND AT WWW.TSUNAMI.GOV.

\* THIS IS A TEST MESSAGE.  
COASTAL REGIONS OF THE US GULF COAST... US EAST COAST... AND  
THE MARITIME PROVINCES OF CANADA SHOULD REFER TO U.S.  
NATIONAL TSUNAMI WARNING CENTER MESSAGES THAT CAN BE FOUND  
AT WWW.TSUNAMI.GOV.

\$\$

**PTWC Message #2**

ZCZC  
WECA41 PHEB 141430  
TSUCAX



TEST...TSUNAMI MESSAGE NUMBER 2...TEST  
NWS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI  
1430 UTC THU MAR 14 2019

...THIS MESSAGE IS FOR TEST PURPOSES ONLY...

...TEST TEST TSUNAMI THREAT MESSAGE TEST TEST...

\*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\*

THIS STATEMENT IS ISSUED FOR INFORMATION ONLY IN SUPPORT OF THE UNESCO/IOC TSUNAMI AND OTHER COASTAL HAZARDS WARNING SYSTEM FOR THE CARIBBEAN AND ADJACENT REGIONS AND IS MEANT FOR NATIONAL AUTHORITIES IN EACH COUNTRY OF THAT SYSTEM.

NATIONAL AUTHORITIES WILL DETERMINE THE APPROPRIATE LEVEL OF ALERT FOR EACH COUNTRY AND MAY ISSUE ADDITIONAL OR MORE REFINED INFORMATION.

\*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\*

TEST...PRELIMINARY EARTHQUAKE PARAMETERS...TEST

- \* MAGNITUDE 6.0
- \* ORIGIN TIME 1400 UTC MAR 14 2019
- \* COORDINATES 12.3 NORTH 61.6 WEST
- \* DEPTH 10 KM / 6 MILES
- \* LOCATION WINDWARD ISLANDS

TEST...EVALUATION...TEST

\* THIS IS A TEST MESSAGE.  
AN EARTHQUAKE WITH A PRELIMINARY MAGNITUDE OF 6.0 OCCURRED IN THE LEEWARD ISLANDS AT 1400 UTC ON THURSDAY MARCH 14 2019.

\* THIS IS A TEST MESSAGE.  
TSUNAMI WAVES HAVE BEEN OBSERVED.

\* THIS IS A TEST MESSAGE.  
ASSOCIATED WITH THIS EARTHQUAKE... THE UWI SEISMIC RESEARCH CENTRE REPORTS A SIGNIFICANT ERUPTION OF KICK-EM-JENNY VOLCANO THAT BEGAN AROUND 1400 UTC ON MAR 14 2019 AND IS CONTINUING.

\* THIS IS A TEST MESSAGE.  
THIS ERUPTION MAY PRODUCE HAZARDOUS TSUNAMI WAVES ALONG SOME COASTAL AREAS LOCATED NEAR KICK-EM-JENNY VOLCANO. IT IS NOT POSSIBLE HOWEVER... TO FORECAST THE AFFECTED COASTS NOR THE TSUNAMI AMPLITUDES.

\* THIS IS A TEST MESSAGE.  
THE TSUNAMI THREAT WILL CONTINUE UNTIL THE VOLCANIC ACTIVITY HAS ENDED OR IS SUFFICIENTLY DIMINISHED... AND SEA LEVEL READINGS ARE BELOW THREAT LEVELS.

TEST...RECOMMENDED ACTIONS...TEST

\* THIS IS A TEST MESSAGE.  
GOVERNMENT AGENCIES RESPONSIBLE FOR THREATENED COASTAL AREAS SHOULD TAKE ACTION TO INFORM AND INSTRUCT ANY COASTAL POPULATIONS AT RISK IN ACCORDANCE WITH THEIR OWN EVALUATION... PROCEDURES AND THE LEVEL OF THREAT.

TEST...ESTIMATED TIMES OF ARRIVAL...TEST

\* THIS IS A TEST MESSAGE.  
ESTIMATED TIMES OF ARRIVAL -ETA- OF THE INITIAL TSUNAMI WAVE FOR PLACES WITHIN THREE HOURS TSUNAMI TRAVEL TIME. ACTUAL ARRIVAL TIMES MAY DIFFER AND THE INITIAL WAVE MAY NOT BE THE LARGEST. A TSUNAMI IS A SERIES OF WAVES AND THE TIME BETWEEN WAVES CAN BE FIVE MINUTES TO ONE HOUR.

LOCATION	REGION	COORDINATES		ETA (UTC)
KINGSTOWN	SAINT VINCENT	13.1N	61.2W	1413 03/14
SAINT GEORGES	GRENADA	12.0N	61.8W	1414 03/14
CASTRIES	SAINT LUCIA	14.0N	61.0W	1422 03/14
FORT DE FRANCE	MARTINIQUE	14.6N	61.1W	1427 03/14
ROSEAU	DOMINICA	15.3N	61.4W	1436 03/14
PIRATES BAY	TRINIDAD TOBAGO	11.3N	60.6W	1439 03/14
BRIDGETOWN	BARBADOS	13.1N	59.6W	1444 03/14
BASSE TERRE	GUADELOUPE	16.0N	61.7W	1445 03/14
PLYMOUTH	MONTSERRAT	16.7N	62.2W	1503 03/14
BASSETERRE	SAINT KITTS	17.3N	62.7W	1513 03/14
ONIMA	BONAIRE	12.3N	68.3W	1514 03/14
CHRISTIANSTED	US VIRGIN IS	17.7N	64.7W	1516 03/14
SINT EUSTATIUS	SINT EUSTATIUS	17.5N	63.0W	1517 03/14
SABA	SABA	17.6N	63.2W	1518 03/14
WILLEMSTAD	CURACAO	12.1N	68.9W	1521 03/14
CUMANA	VENEZUELA	10.5N	64.2W	1527 03/14
MAIQUETIA	VENEZUELA	10.6N	67.0W	1530 03/14
PALMETTO POINT	BARBUDA	17.6N	61.9W	1537 03/14
MAYAGUEZ	PUERTO RICO	18.2N	67.2W	1537 03/14
SIMPSON BAAI	SINT MAARTEN	18.0N	63.1W	1537 03/14
ORANJESTAD	ARUBA	12.5N	70.0W	1538 03/14
SAINT JOHNS	ANTIGUA	17.1N	61.9W	1539 03/14
SANTO DOMINGO	DOMINICAN REP	18.5N	69.9W	1547 03/14
CABO ENGANO	DOMINICAN REP	18.6N	68.3W	1550 03/14
PORT OF SPAIN	TRINIDAD TOBAGO	10.6N	61.5W	1552 03/14
ANEGADA	BR VIRGIN IS	18.8N	64.3W	1552 03/14
THE VALLEY	ANGUILLA	18.3N	63.1W	1555 03/14
SAINT BARTHELEM	SAINT BARTHELEMY	17.9N	62.8W	1555 03/14
SAN JUAN	PUERTO RICO	18.5N	66.1W	1556 03/14
BAIE LUCAS	SAINT MARTIN	18.1N	63.0W	1557 03/14
BAIE GRAND CASE	SAINT MARTIN	18.1N	63.1W	1600 03/14
JACAMEL	HAITI	18.1N	72.5W	1605 03/14
CHARLOTTE AMALI	US VIRGIN IS	18.3N	64.9W	1612 03/14
BAIE BLANCHE	SAINT MARTIN	18.1N	63.0W	1615 03/14
ROADTOWN	BR VIRGIN IS	18.4N	64.6W	1617 03/14
PUERTO PLATA	DOMINICAN REP	19.8N	70.7W	1618 03/14
RIOHACHA	COLOMBIA	11.6N	72.9W	1621 03/14
BARRANQUILLA	COLOMBIA	11.1N	74.9W	1627 03/14
GRAND TURK	TURKS N CAICOS	21.5N	71.1W	1632 03/14
CAP HAITEN	HAITI	19.8N	72.2W	1634 03/14
WEST CAICOS	TURKS N CAICOS	21.7N	72.5W	1643 03/14
MAYAGUANA	BAHAMAS	22.3N	73.0W	1644 03/14
CARTAGENA	COLOMBIA	10.4N	75.6W	1644 03/14
SANTIAGO D CUBA	CUBA	19.9N	75.8W	1646 03/14
GREAT INAGUA	BAHAMAS	20.9N	73.7W	1647 03/14
KINGSTON	JAMAICA	17.9N	76.9W	1650 03/14
BARACOA	CUBA	20.4N	74.5W	1652 03/14
CROOKED ISLAND	BAHAMAS	22.7N	74.1W	1652 03/14
SAN SALVADOR	BAHAMAS	24.1N	74.5W	1657 03/14
LONG ISLAND	BAHAMAS	23.3N	75.1W	1700 03/14
ALIGANDI	PANAMA	9.2N	78.0W	1701 03/14
MONTEGO BAY	JAMAICA	18.5N	77.9W	1702 03/14

TEST...POTENTIAL IMPACTS...TEST

\* THIS IS A TEST MESSAGE.

A TSUNAMI IS A SERIES OF WAVES. THE TIME BETWEEN WAVE CRESTS CAN VARY FROM 5 MINUTES TO AN HOUR. THE HAZARD MAY PERSIST FOR MANY HOURS OR LONGER AFTER THE INITIAL WAVE.

\* THIS IS A TEST MESSAGE.

IMPACTS CAN VARY SIGNIFICANTLY FROM ONE SECTION OF COAST TO THE NEXT DUE TO LOCAL BATHYMETRY AND THE SHAPE AND ELEVATION OF THE SHORELINE.

\* THIS IS A TEST MESSAGE.

IMPACTS CAN ALSO VARY DEPENDING UPON THE STATE OF THE TIDE AT THE TIME OF THE MAXIMUM TSUNAMI WAVES.

\* THIS IS A TEST MESSAGE.

PERSONS CAUGHT IN THE WATER OF A TSUNAMI MAY DROWN... BE CRUSHED BY DEBRIS IN THE WATER... OR BE SWEEPED OUT TO SEA.

TEST...TSUNAMI OBSERVATIONS...TEST

\* THIS IS A TEST MESSAGE.

THE FOLLOWING ARE TSUNAMI WAVE OBSERVATIONS FROM COASTAL AND/OR DEEP-OCEAN SEA LEVEL GAUGES AT THE INDICATED LOCATIONS. THE MAXIMUM TSUNAMI HEIGHT IS MEASURED WITH RESPECT TO THE NORMAL TIDE LEVEL.

GAUGE LOCATION	GAUGE COORDINATES		TIME OF MEASURE	MAXIMUM TSUNAMI HEIGHT	WAVE PERIOD
	LAT	LONG	(UTC)	(M)	(MIN)
CALLIAQUA VC	13.1N	61.2W	1424	0.86M/ 2.8FT	16

TEST...NEXT UPDATE AND ADDITIONAL INFORMATION...TEST

\* THIS IS A TEST MESSAGE.

THE NEXT MESSAGE WILL BE ISSUED IN ONE HOUR... OR SOONER IF THE SITUATION WARRANTS.

\* THIS IS A TEST MESSAGE.

AUTHORITATIVE INFORMATION ABOUT THE ACTIVITY AT KICK-EM-JENNY VOLCANO CAN BE FOUND ON THE INTERNET AT UWISEISMIC.COM.

\* THIS IS A TEST MESSAGE.  
AUTHORITATIVE INFORMATION ABOUT THE EARTHQUAKE FROM THE U.S.  
GEOLOGICAL SURVEY CAN BE FOUND ON THE INTERNET AT  
EARTHQUAKE.USGS.GOV/EARTHQUAKES -ALL IN LOWERCASE LETTERS-.

\* THIS IS A TEST MESSAGE.  
FURTHER INFORMATION ABOUT THIS EVENT MAY BE FOUND AT  
WWW.TSUNAMI.GOV.

\* THIS IS A TEST MESSAGE.  
COASTAL REGIONS OF PUERTO RICO... THE U.S. VIRGIN ISLANDS...  
AND THE BRITISH VIRGIN ISLANDS SHOULD REFER TO PACIFIC  
TSUNAMI WARNING CENTER MESSAGES SPECIFICALLY FOR THOSE  
PLACES THAT CAN BE FOUND AT WWW.TSUNAMI.GOV.

\* THIS IS A TEST MESSAGE.  
COASTAL REGIONS OF THE US GULF COAST... US EAST COAST... AND  
THE MARITIME PROVINCES OF CANADA SHOULD REFER TO U.S.  
NATIONAL TSUNAMI WARNING CENTER MESSAGES THAT CAN BE FOUND  
AT WWW.TSUNAMI.GOV.

\$\$

**PTWC Message #6**

ZCZC  
WECA41 PHEB 141630  
TSUCAX

← WMO ID

← AWIPS ID

TEST...TSUNAMI MESSAGE NUMBER 6...TEST  
NWS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI  
1630 UTC THU MAR 14 2019

...THIS MESSAGE IS FOR TEST PURPOSES ONLY...  
...TEST FINAL TSUNAMI THREAT MESSAGE TEST...

\*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\*

THIS STATEMENT IS ISSUED FOR INFORMATION ONLY IN SUPPORT OF THE UNESCO/IOC TSUNAMI AND OTHER COASTAL HAZARDS WARNING SYSTEM FOR THE CARIBBEAN AND ADJACENT REGIONS AND IS MEANT FOR NATIONAL AUTHORITIES IN EACH COUNTRY OF THAT SYSTEM.

NATIONAL AUTHORITIES WILL DETERMINE THE APPROPRIATE LEVEL OF ALERT FOR EACH COUNTRY AND MAY ISSUE ADDITIONAL OR MORE REFINED INFORMATION.

\*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\*

TEST...PRELIMINARY EARTHQUAKE PARAMETERS...TEST

\* MAGNITUDE 6.0  
\* ORIGIN TIME 1400 UTC MAR 14 2019  
\* COORDINATES 12.3 NORTH 61.6 WEST  
\* DEPTH 10 KM / 6 MILES  
\* LOCATION WINDWARD ISLANDS

TEST...EVALUATION...TEST

\* THIS IS A TEST MESSAGE.  
AN EARTHQUAKE WITH A PRELIMINARY MAGNITUDE OF 6.0 OCCURRED IN  
THE LEEWARD ISLANDS AT 1400 UTC ON THURSDAY MAR 14 2019.

\* THIS IS A TEST MESSAGE.  
BASED ON ALL AVAILABLE DATA... THE TSUNAMI THREAT FROM THIS EARTHQUAKE AND THE ACTIVITY OF THE KICK EM JENNY VOLCANO HAS PASSED AND THERE IS NO FURTHER THREAT.

TEST...RECOMMENDED ACTIONS...TEST

\* THIS IS A TEST MESSAGE.  
GOVERNMENT AGENCIES RESPONSIBLE FOR ANY IMPACTED COASTAL AREAS SHOULD MONITOR CONDITIONS AT THE COAST TO DETERMINE IF AND WHEN IT IS SAFE TO RESUME NORMAL ACTIVITIES.

\* THIS IS A TEST MESSAGE.  
PERSONS LOCATED NEAR IMPACTED COASTAL AREAS SHOULD STAY ALERT  
FOR INFORMATION AND FOLLOW INSTRUCTIONS FROM LOCAL AUTHORITIES.

\* THIS IS A TEST MESSAGE.  
REMAIN OBSERVANT AND EXERCISE NORMAL CAUTION NEAR THE SEA.

TEST...POTENTIAL IMPACTS...TEST

\* THIS IS A TEST MESSAGE.  
MINOR SEA LEVEL FLUCTUATIONS OF UP TO 0.3 METERS ABOVE AND BELOW THE NORMAL TIDE MAY CONTINUE OVER THE NEXT FEW HOURS.

TEST...TSUNAMI OBSERVATIONS...TEST

\* THIS IS A TEST MESSAGE.  
THE FOLLOWING ARE TSUNAMI WAVE OBSERVATIONS FROM COASTAL AND/OR DEEP-OCEAN SEA LEVEL GAUGES AT THE INDICATED LOCATIONS. THE MAXIMUM TSUNAMI HEIGHT IS MEASURED WITH RESPECT TO THE NORMAL TIDE LEVEL.



GAUGE LOCATION	GAUGE COORDINATES		TIME OF MEASURE (UTC)	MAXIMUM TSUNAMI HEIGHT	WAVE PERIOD (MIN)
	LAT	LON			
PUERTO PLATA DO	19.8N	70.7W	1624	0.03M/ 0.1FT	18
PORT SAN ANDRES DO	18.4N	69.6W	1622	0.25M/ 0.8FT	28
ARECIBO PR	18.5N	66.7W	1610	0.08M/ 0.3FT	24
LAMESHURBAYSTJOHNVI	18.3N	64.7W	1602	0.28M/ 0.9FT	14
BARBUDA AG	17.6N	61.8W	1601	0.04M/ 0.1FT	26
AGUADILLA PR	18.5N	67.2W	1557	0.15M/ 0.5FT	28
PUNTA CANA DO	18.5N	68.4W	1551	0.28M/ 0.9FT	28
ORANGESTAD AW	12.5N	70.0W	1542	0.12M/ 0.4FT	22
MONA ISLAND PR	18.1N	67.9W	1540	0.44M/ 1.4FT	16
ESPERANZA VIEQUES P	18.1N	65.5W	1535	0.75M/ 2.5FT	28
BULLEN BAY <u>CURACAO</u>	12.2N	69.0W	1540	0.20M/ 0.7FT	22
YABUCOA PR	18.1N	65.8W	1536	0.58M/ 1.9FT	28
PARHAM AT	17.1N	61.8W	1528	0.13M/ 0.4FT	16
LIMETREE VI	17.7N	64.8W	1524	0.58M/ 1.9FT	18
DART 42407	15.3N	68.2W	1521	0.03M/ 0.1FT	20
ST CROIX VI	17.7N	64.7W	1519	0.36M/ 1.2FT	24
BASSETERRE KN	17.3N	62.7W	1518	0.39M/ 1.3FT	26
CHARLOTTEVILLE TT	11.3N	60.5W	1513	0.25M/ 0.8FT	18
SCARBOROUGH TT	11.2N	60.7W	1512	0.10M/ 0.3FT	26
DESIRADE GUADELOUPE	16.3N	61.1W	1503	0.26M/ 0.9FT	26
POINT A PITRE GP	16.2N	61.5W	1511	0.22M/ 0.7FT	26
<u>GANTERS BAY ST LUCI</u>	14.0N	61.0W	1459	0.47M/ 1.5FT	20
MARIGOT DM	15.5N	61.3W	1457	0.16M/ 0.5FT	22
BRIDGEPORT BB	13.1N	59.6W	1455	0.18M/ 0.6FT	22
PORT ST CHARLES BB	13.3N	59.6W	1452	0.21M/ 0.7FT	16
PORTSMOUTH DM	15.6N	61.5W	1451	0.45M/ 1.5FT	24
ROSEAU DM	15.3N	61.4W	1451	0.48M/ 1.6FT	14
FORT DE FRANCE MQ	14.6N	61.1W	1448	0.31M/ 1.0FT	20
LE PRECHEUR MARTINI	14.8N	61.2W	1436	0.70M/ 2.3FT	24
<u>PRICKLEY BAY GD</u>	12.0N	61.8W	1435	1.38M/ 4.5FT	22
CALLIAQUA VC	13.1N	61.2W	1424	0.86M/ 2.8FT	16

TEST...NEXT UPDATE AND ADDITIONAL INFORMATION...TEST

\* THIS IS A TEST MESSAGE.

THE NEXT MESSAGE WILL BE ISSUED IN ONE HOUR... OR SOONER IF THE SITUATION WARRANTS.

\* THIS IS A TEST MESSAGE.

AUTHORITATIVE INFORMATION ABOUT THE ACTIVITY AT KICK-EM-JENNY VOLCANO CAN BE FOUND ON THE INTERNET AT UWISEISMIC.COM.

\* THIS IS A TEST MESSAGE.

AUTHORITATIVE INFORMATION ABOUT THE EARTHQUAKE FROM THE U.S. GEOLOGICAL SURVEY CAN BE FOUND ON THE INTERNET AT EARTHQUAKE.USGS.GOV/EARTHQUAKES -ALL IN LOWERCASE LETTERS-.

\* THIS IS A TEST MESSAGE.

FURTHER INFORMATION ABOUT THIS EVENT MAY BE FOUND AT WWW.TSUNAMI.GOV.

\* THIS IS A TEST MESSAGE.

COASTAL REGIONS OF PUERTO RICO... THE U.S. VIRGIN ISLANDS... AND THE BRITISH VIRGIN ISLANDS SHOULD REFER TO PACIFIC TSUNAMI WARNING CENTER MESSAGES SPECIFICALLY FOR THOSE PLACES THAT CAN BE FOUND AT WWW.TSUNAMI.GOV.

\* THIS IS A TEST MESSAGE.

COASTAL REGIONS OF THE US GULF COAST... US EAST COAST... AND THE MARITIME PROVINCES OF CANADA SHOULD REFER TO U.S. NATIONAL TSUNAMI WARNING CENTER MESSAGES THAT CAN BE FOUND AT WWW.TSUNAMI.GOV.

\$\$

# Participación de los Estados Miembros

## Registro de Tsunami Zone

Cada país debe establecer su propio grupo de trabajo para decidir el enfoque de la participación y pruebas de comunicación.

The screenshot shows the website's navigation bar with links for Inicio, Regiones del TsunamiZone, Otros Idiomas, Contáctenos, Búsqueda, and Iniciar sesión. Below the navigation is a banner image of a rocky coastline with a person running. The main content area is titled '¡BIENVENIDO AL TSUNAMIZONE!' and includes language options for ENGLISH and FRANÇAIS. A video player is embedded with the text '¡Manténgase a salvo, ...'. To the right, there is a section for 'OFICIALES EVENTOS 2018' listing dates and locations for various regions.

Inicio Regiones del TsunamiZone Otros Idiomas Contáctenos Búsqueda Iniciar sesión

**The TsunamiZone**

¡Inscríbese aquí! ¿Quién participará? Caribe Wave

¡BIENVENIDO AL TSUNAMIZONE!

ENGLISH | FRANÇAIS

Todo el mundo debería saber cómo prepararse para un tsunami y qué hacer para estar seguro. Conocer esto es muy importante, especialmente para los que viven o trabajan cerca del océano, y también para cualquier persona que visite la costa. ¿Está usted en la zona de peligro?

¡Inscríbese y sea parte del grupo de personas y organizaciones en todas partes del mundo que hacen actividades de preparación para los tsunamis!

¡Manténgase a salvo, ...

OFICIALES EVENTOS 2018

Oficiales TsunamiZone Regiones están vinculados a más información, incluyendo eventos regionales:

- 11-17 de marzo  
[Puerto Rico](#),  
[Islas Vírgenes de EE.UU.](#),  
[CARIBE WAVE](#) (15 de marzo)
- Marzo  
Alaska & [California](#)
- Abril  
Hawai, Guam, & Washington
- 24-30 de septiembre  
Samoa Americana
- Octubre  
Oregón & Washington
- 5 de Noviembre  
World Tsunami Awareness Day

TWFP y NTWC no necesitan estar registrados en Tsunami Zone para recibir los boletines simulados del PTWC, pero se les anima a hacerlo para ser parte del recuento estadístico de quién participa.

# The TsunamiZone

[¡Inscribase aqui!](#)[¿Quién participará?](#)

Caribe Wave

**¡BIENVENIDO AL TSUNAMIZONE!**[ENGLISH](#) | [FRANÇAIS](#)

Todo el mundo debería saber cómo prepararse para un tsunami y qué hacer para estar seguro. Conocer esto es muy importante, especialmente para los que viven o trabajan cerca del océano, y también para cualquier persona que visite la costa. ¿Está usted en la zona de peligro?

[¡Inscribase](#) y sea parte del grupo de personas y organizaciones en todas partes del mundo que hacen actividades de preparación para los tsunamis!

**OFICIALES EVENTOS 2018**

Oficiales TsunamiZone Regiones están vinculados a más información, incluyendo eventos regionales:

**11-17 de marzo**  
[Puerto Rico,](#)  
[Islas Vírgenes de EE.UU.,](#)  
[CARIBE WAVE](#) (15 de marzo)

**Marzo**  
Alaska & [California](#)

**Abril**  
Hawai, Guam, & Washington

**24-30 de septiembre**  
Samoa Americana

**Octubre**  
Oregón & Washington

**5 de Noviembre**  
World Tsunami Awareness Day

<https://www.tsunamizone.org/>

Los países pueden llevar un registro de los participantes haciendo clic en «¿Quién participará?»

**TOTALES DE PARTICIPACIÓN**

Este gráfico muestra los totales de participación por categoría para el TsunamiZone de 2019. Haga clic en una categoría para ver los participantes que optaron incluirse.

Estos totales son actuales a partir de 02.02.2016 6:45 PM PST.

Categoría	Participantes	Participantes por área	Total
<b>Total:</b>	<b>1.199</b>		
<a href="#">Individuos/Familias</a>	106	<a href="#">California</a>	<b>424</b>
<a href="#">Cuido de niños y Pre-escolares</a>	21	<a href="#">North Coast</a>	26
<a href="#">Escuelas K-12</a>	26	<a href="#">Shasta Cascade</a>	0
<a href="#">Organizaciones para la Juventud</a>	0	<a href="#">Bay Area</a>	33
<a href="#">Universidades/colegios comunitarios</a>	18	<a href="#">Delta Sierra</a>	2
<a href="#">Tribus</a>	0	<a href="#">Inyo-Mono</a>	0
<a href="#">Gobierno Federal (Incluidos Los Militares)</a>	50	<a href="#">Central Valley South</a>	21
<a href="#">Gobierno Estatal</a>	305	<a href="#">Central Coast</a>	1
<a href="#">Gobierno Municipal</a>	261	<a href="#">Southern California Coast</a>	109
<a href="#">Grupos Comunitarios/Urbanizaciones</a>	0	<a href="#">Inland Southern California</a>	5
<a href="#">Negocios</a>	0	<a href="#">San Diego</a>	0
<a href="#">Centros de Salud/Hospitales</a>	240	<a href="#">Otros Areas</a>	227
<a href="#">Centros Geriátricos/Comunidad de Personas de Edad Avanzada</a>	0	<a href="#">Caribe</a>	<b>715</b>
<a href="#">Agencias de atención a incapacitados</a>	50	<a href="#">Anguilla</a>	0
<a href="#">Organizaciones sin Fines de Lucro</a>	6	<a href="#">Antigua y Barbuda</a>	0
<a href="#">Organizaciones de Preparación y Respuesta</a>	0	<a href="#">Aruba</a>	0
<a href="#">Iglesias/instituciones denominacionales</a>	0	<a href="#">Bahamas</a>	0
<a href="#">Museos, Bibliotecas, Parques, etc.</a>	0	<a href="#">Barbados</a>	10
<a href="#">Clubes de voluntarios/servicio</a>	0	<a href="#">Belice</a>	0
<a href="#">Albergues para animales/veterinarios</a>	0	<a href="#">Bermuda</a>	0
<a href="#">Agricultura/Ganadería</a>	0	<a href="#">Bonaire</a>	0
<a href="#">Voluntarios de Grupos Radiales</a>	86	<a href="#">Brasil</a>	0
<a href="#">Organizaciones de Ciencia e Ingeniería</a>	0	<a href="#">Islas Vírgenes Británicas</a>	14
<a href="#">Radio/televisión/prensa/internet</a>	0	<a href="#">Islas Caimán</a>	50
<a href="#">Otro</a>	30	<a href="#">Colombia</a>	0
		<a href="#">Costa Rica</a>	0
		<a href="#">Cuba</a>	0
		<a href="#">Curacao</a>	0
		<a href="#">Dominica</a>	0
		<a href="#">República Dominicana</a>	0
		<a href="#">Francia</a>	0
		<a href="#">Granada</a>	32
		<a href="#">Guadalupe</a>	0
		<a href="#">Guatemala</a>	0
		<a href="#">Guyana</a>	0
		<a href="#">Guyane</a>	0
		<a href="#">Haití</a>	0
		<a href="#">Honduras</a>	0
		<a href="#">Jamaica</a>	0
		<a href="#">Martinica</a>	0
		<a href="#">México</a>	0
		<a href="#">Montserrat</a>	0
		<a href="#">Países Bajos</a>	0
		<a href="#">Nicaragua</a>	0

**TOTALES DE PARTICIPACIÓN**

Este gráfico muestra los totales de participación por categoría para el TsunamiZone de 2019. Haga clic en una categoría para ver los participantes que optaron incluirse.

Estos totales son actuales a partir de 02.02.2016 6:45 PM PST.

Categoría	Participantes	Participantes por área	Total
<b>Total:</b>	<b>715</b>		
<a href="#">Individuos/Familias</a>	44	<a href="#">Anguilla</a>	0
<a href="#">Cuido de niños y Pre-escolares</a>	21	<a href="#">Antigua and Barbuda</a>	0
<a href="#">Escuelas K-12</a>	0	<a href="#">Aruba</a>	0
<a href="#">Organizaciones para la Juventud</a>	0	<a href="#">Bahamas</a>	0
<a href="#">Universidades/colegios comunitarios</a>	0	<a href="#">Barbados</a>	10
<a href="#">Tribus</a>	0	<a href="#">Belize</a>	0
<a href="#">Gobierno Federal (Incluidos Los Militares)</a>	50	<a href="#">Bermuda</a>	0
<a href="#">Gobierno Estatal</a>	305	<a href="#">Bonaire</a>	0
<a href="#">Gobierno Municipal</a>	49	<a href="#">Brazil</a>	0
<a href="#">Grupos Comunitarios/Urbanizaciones</a>	0	<a href="#">British Virgin Islands</a>	14
<a href="#">Negocios</a>	0	<a href="#">Cayman Islands</a>	50
<a href="#">Centros de Salud/Hospitales</a>	150	<a href="#">Colombia</a>	0
<a href="#">Centros Geriátricos/Comunidad de Personas de Edad Avanzada</a>	0	<a href="#">Costa Rica</a>	0
<a href="#">Agencias de atención a incapacitados</a>	0	<a href="#">Cuba</a>	0
<a href="#">Organizaciones sin Fines de Lucro</a>	0	<a href="#">Curacao</a>	0
<a href="#">Organizaciones de Preparación y Respuesta</a>	0	<a href="#">Dominica</a>	0
<a href="#">Iglesias/instituciones denominacionales</a>	0	<a href="#">Dominican Republic</a>	0
<a href="#">Museos, Bibliotecas, Parques, etc.</a>	0	<a href="#">France</a>	0
<a href="#">Clubes de voluntarios/servicio</a>	0	<a href="#">Grenada</a>	32
<a href="#">Albergues para animales/veterinarios</a>	0	<a href="#">Guadeloupe</a>	0
<a href="#">Agricultura/Ganadería</a>	0	<a href="#">Guatemala</a>	0
<a href="#">Voluntarios de Grupos Radiales</a>	86	<a href="#">Guyana</a>	0
<a href="#">Organizaciones de Ciencia e Ingeniería</a>	0	<a href="#">Guyane</a>	0
<a href="#">Radio/televisión/prensa/internet</a>	0	<a href="#">Haiti</a>	0
<a href="#">Otro</a>	10	<a href="#">Honduras</a>	0
		<a href="#">Jamaica</a>	0
		<a href="#">Martinique</a>	0
		<a href="#">Mexico</a>	0
		<a href="#">Montserrat</a>	0





## TOTALES DE PARTICIPACIÓN

Este gráfico muestra los totales de participación por categoría para el TsunamiZone de 2019. Haga clic en una categoría para ver los participantes que optaron incluirse.

El total de participantes por condado está disponible [más adelante](#).

Estos totales son actuales a partir de 02.02.2016 6:45 PM PST.

Categoría	Participantes
<b>Total:</b>	<b>32</b>
<a href="#">Individuos/Familias</a>	32
<a href="#">Cuido de niños y Pre-escolares</a>	0
<a href="#">Escuelas K-12</a>	0
<a href="#">Organizaciones para la Juventud</a>	0
<a href="#">Universidades/colegios comunitarios</a>	0
<a href="#">Tribus</a>	0
<a href="#">Gobierno Federal (Incluidos Los Militares)</a>	0
<a href="#">Gobierno Estatal</a>	0
<a href="#">Gobierno Municipal</a>	0
<a href="#">Grupos Comunitarios/Urbanizaciones</a>	0
<a href="#">Negocios</a>	0
<a href="#">Centros de Salud/Hospitales</a>	0
<a href="#">Centros Geriátricos/Comunidad de Personas de Edad Avanzada</a>	0
<a href="#">Agencias de atención a incapacitados</a>	0
<a href="#">Organizaciones sin Fines de Lucro</a>	0
<a href="#">Organizaciones de Preparación y Respuesta</a>	0
<a href="#">Iglesias/instituciones denominacionales</a>	0
<a href="#">Museos, Bibliotecas, Parques, etc.</a>	0
<a href="#">Clubes de voluntarios/servicio</a>	0
<a href="#">Albergues para animales/veterinarios</a>	0
<a href="#">Agricultura/Ganadería</a>	0
<a href="#">Voluntarios de Grupos Radiales</a>	0
<a href="#">Organizaciones de Ciencia e Ingeniería</a>	0
<a href="#">Radio/televisión/prensa/internet</a>	0
<a href="#">Otro</a>	0



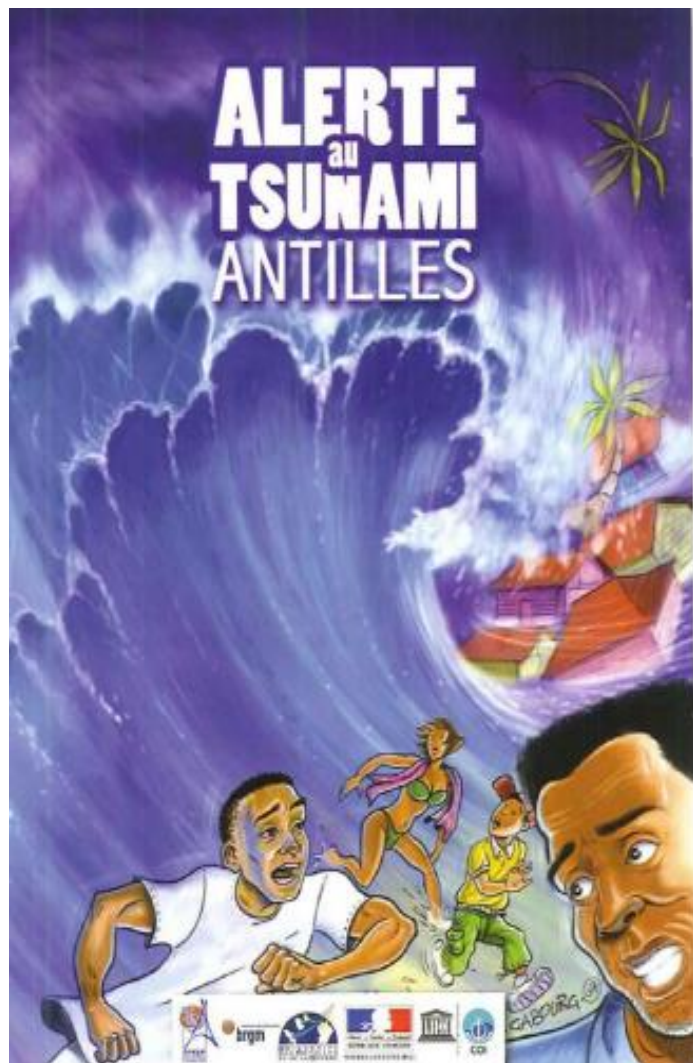
# Recursos

- Manuales IOC “[How to plan, conduct and evaluate tsunami exercises](#)” y “[Module on Tsunami Exercise](#)” que será un recurso útil. (Inglés y Español).
- Manuales CARIBE WAVE 2011, 2013, 2014, 2015, 2016, 2017, 2018 y 2019.
- Informe Final CARIBE WAVE 2013, 2014, 2015, 2016, 2017 y 2018.
- Plan de Comunicaciones de PTWC para el Caribe.
- Disponible en [www.caribewave.info](http://www.caribewave.info)
- Preguntas sobre el ejercicio pueden ser dirigidas a los miembros del Equipo de Trabajo WAVE 19 de CARIBE.

# Detalles Adicionales

- Materiales adicionales serán colocados en las páginas de CTWP ([www.caribewave.info](http://www.caribewave.info)).
- Enviar enlaces de paginas nacionales a [christa.vonh@noaa.gov](mailto:christa.vonh@noaa.gov) para incluir en la página del CTWP.
- Esta presentación está disponible en la pagina del CTWP (<https://www.weather.gov/ctwp/caribewave19>).

# Guía Metodológicas: Como preparar, conducir y evaluar un ejercicio de respuesta a la comunidad basado en un tsunami



- Esta guía es recomendada para que los Estados Miembros consideren los ejercicios de Caribe Wave.
- Proporciona líderes comunitarios para realizar y evaluar un ejercicio de evacuación causado por un tsunami con metodología y herramientas.
- Es particularmente relevante para cuerpos que estarían directamente expuestos a los efectos de un tsunami como el gobierno local, escuelas, asociaciones y empresas.
- Esta guía tiene como objetivo fomentar una cultura compartida de ejercicios para desarrollar entre las autoridades municipales encargadas de garantizar la seguridad de las personas que viven en su área y los líderes de la comunidad-partes interesadas en la vida social y económica de la zona.
- Guía disponible en inglés y francés [http://www.ioc-tsunami.org/index.php?option=com\\_oe&task=viewDocumentRecord&docID=19139](http://www.ioc-tsunami.org/index.php?option=com_oe&task=viewDocumentRecord&docID=19139)

# Equipo CARIBE WAVE 19

Persona	Telefono #	Correo electrónico
Elizabeth Vanacore, PRSN CARIBE WAVE Chair	1-787-833-8433	elizabeth.vanacore@upr.edu
Silvia Chacón-Barrantes, CARIBE EWS Chair; SINAMOT Costa Rica	506-830-96690	silviach@una.ac.cr
Nestor Luque Chair WG 1 Monitoring and Detection Systems	507-523-5560	barcelona010104@yahoo.com
Nicolas Arcos Chair WG 2 Hazard Assessment	1-303-497-3158	nicolas.arcos@noaa.gov
Emilio Talavera Chair WG 3 Tsunami Related Services	505-224-92761 ext 102	emilio.talavera@gf.ineter.gob.ni
Christa von Hillebrandt-Andrade Chair WG 4 Preparedness, Readiness and Resilience Manager NOAA/CTWP	1-787-249-8307	christa.vonh@noaa.gov
Richard Robertson, SRC Joan L. Latchman, SRC Frederic Dondin, SRC Valerie Clouard, IPGP Scientific Experts – Kick-‘em-Jenny Scenario		richard.robertson@sta.uwi.edu j_latchman@uwiseismic.com fredericdondin@gmail.com clouard@ipgp.fr
Eduardo Camacho, U of Panama Mary Rengifo, Dirección General Marítima Diana Patricia Mendoza, OSSO Alberto López, UPRM Scientific Expert – Panama Scenario		ecamacho507@hotmail.com mrengifo@dimar.mil.co alberto.lopez3@upr.edu
Ronald Jackson Director CDEMA	246-425-0386	ronald.Jackson@cdema.org
Executive Secretary CEPREDENAC	502-2390-0200	iajche@cepredenac.org memendez@cepredenac.org
Major Roselly Pepin Deputy Chief EMIZ Antilles	596-59-05-81	roselly.pepin@martinique.pref.gouv.fr
Bernardo Aliaga Technical Secretary UNESCO	33-1-45683980	b.aliaga@unesco.org
Charles McCreery Director PTWC	1-808-689-8207	charles.mccreery@noaa.gov
David Wald, USGS Scientific Expert – Earthquake Impact Products	1-303-273-8441	wald@usgs.gov
Alison Brome Director CTIC	246-243-7626	a.brome@unesco.org

# Cronología

<b>ACCIÓN</b>	<b>FECHA LÍMITE</b>
<b>Carta Circular Emitida por el IOC a los MS</b>	✓ Aug 2018
<b>Borrados del Manual Circulado entre ICG CARIBE EWS TNC/TWFP y TT CARIBE WAVE 19</b>	✓ Aug 2018
<b>Fecha límite para comentarios</b>	✓ Sep 2018
<b>Manual de Ejercicios Disponible en Línea</b>	✓ Nov 2018
<b>1<sup>er</sup> Seminario en línea de CW</b>	15 - Enero - 2019 - Inglés 16 - Enero - 2019 - Español 17 - Enero - 2019 - Francés
<b>2<sup>do</sup> Seminario en línea de CW</b>	12 - Febrero - 2019 - Inglés 13 - Febrero - 2019 - Español 14 - Febrero - 2019 - Francés
<b>Los Países Indican el Escenario Seleccionado</b>	28 de febrero de 2019
<b>Ejercicio</b>	14 de marzo de 2019
<b>Plazo para Evaluación del Ejercicio</b>	29 de marzo de 2019
<b>Reporte Final del Manual CARIBE WAVE 19 5 de abril de 2019</b>	

# Preguntas, Comentarios

¡Gracias por su participación!

[christa.vonh@noaa.gov](mailto:christa.vonh@noaa.gov)