

## Premier Webinaire

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ICG CARIBE EWS Chair  
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# CARIBE WAVE 2018

Dans les Caraïbes et régions adjacentes, 31 pays et 15 territoires ont participé à cet exercice avec un total de près de 643,403 personnes se sont enregistrés.

- Cela a représentait un taux de participation des États membres de 97% (contre 93% en 2016 et proche des chiffres rapportés pour 2017).



# Objectifs Caribe Wave 19

## 1. Exercer et évaluer les communications entre le fournisseur régional de services au tsunami et les États membres/territoires.

- A. Validez l'**émission** des produits tsunami du PTWC.
- B. Valider la **réception** et la diffusion des produits tsunami par les points focaux d'alerte aux tsunamis du CARIBE EWS (TWFP) et/ou du Centre National d'alerte aux Tsunamis (NTWC).

## 2. Évaluer les procédures et les programmes relatifs aux tsunamis dans les États membres/territoires.

- A. Valider l'état de préparation de la réponse à un tsunami.
- B. Valider la capacité opérationnelle des points focaux d'alerte aux tsunamis (TWFP, ou fonction similaire) et/ou le Bureau national de gestion des catastrophes (NDMO).
- C. Améliorer la préparation opérationnelle. Avant l'exercice, s'assurer que des outils et des plans d'intervention appropriés ont été élaborés, y compris du matériel d'éducation publique.
- D. Valider que la diffusion des alertes et des informations/conseils par les TWFP et les NTWC aux agences nationales pertinentes et au public est exacte et opportune.
- E. Évaluer l'état de la mise en œuvre du programme de reconnaissance Tsunami Ready pour le système Caribe EWS.

## 3. Évaluer les produits volcaniques.

- A. Évaluer les produits PTWC CARIBE WAVE EWS proposés pour les événements volcaniques.
- B. Évaluer les commentaires du Centre de Recherche Sismique (SRC).
- C. Évaluer les plans d'intervention des États membres et des territoires en cas de tsunami et de volcans.

# Objectifs

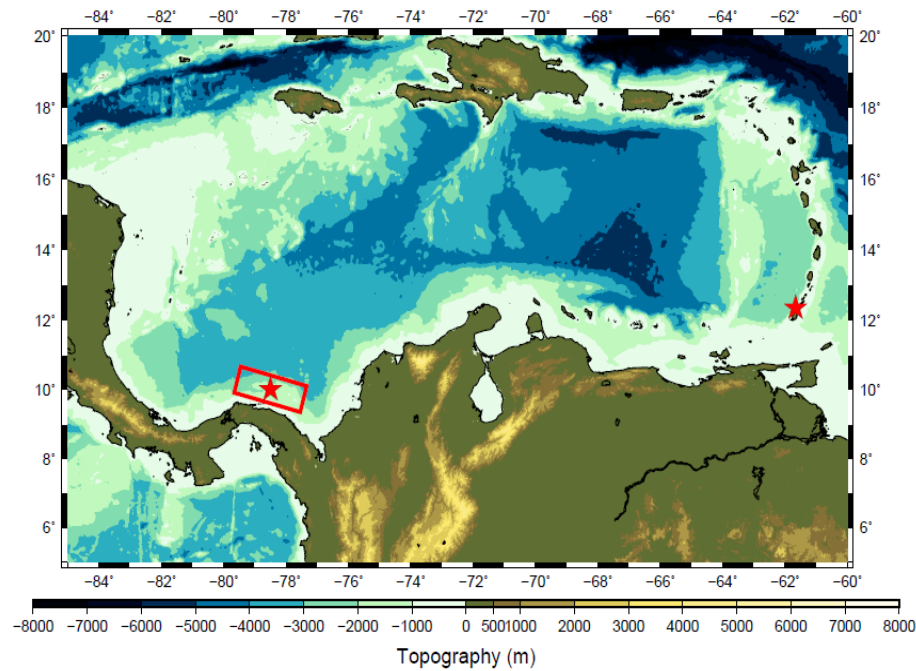
Objectifs	Résultat 2013	Résultat 2014	Résultat 2015	Résultat 2016	Résultat 2017	Métrique 2018	Résultat 2018	Métrique 2019
<b>TWP reçoit le message fictif</b>	98%	94%	90%	84%	95%	100%	100%	100%
<b>Participation des états membres du ICG CARIBE EWS avec des points focaux d'alerte aux tsunamis</b>	94%	98% (compris les deux MS/Territoires non officiels)	100%	100%	100%	100%	97%	100%
<b>Participation de la communauté (au-delà de TWFP)</b>	75%	75%	66%	73%	82%	95%	77%	95%
<b>Nombre du participants</b>	44,000	191,000	191,420	332,812	679,985	+10%	643,403	+10%
<b>Pays soumettant le questionnaire sur l'exercice</b>	90%	100%	91%	100%	100%	100%	91%	100%
<b>Les États et territoires membres sont satisfaits de l'exercice</b>								

# Manuel de l'Exercice

- Disponible en ligne en anglais sur le lien suivant,  
[www.caribewave.info](http://www.caribewave.info)
- Il comprend:
  - La description du tsunami et du séisme de chaque scénario
  - Le calendrier
  - Le message "dummy" initial et des messages de menaces simulées
  - Le temps estimé de trajet et l'amplitude attendue des vagues
  - Le lien vers le questionnaire d'évaluation

# CARIBE WAVE 19

## Carte Scénarios

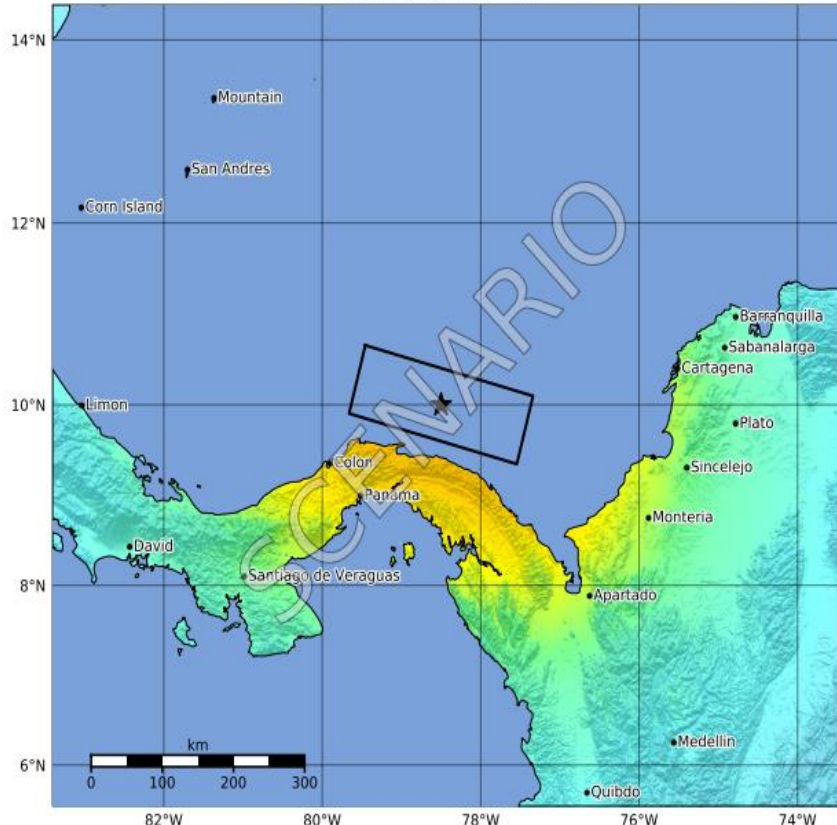


Scène	Temps d'origine	Mw	Épicentre
Panama	14:00:00 UTC 14 mars 2019	8.5	10.00°, -78.50°
Kick 'em Jenny		6.0	12.34°, -61.65°



# Scénario d'impact sismique Panama

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+



science for a changing world

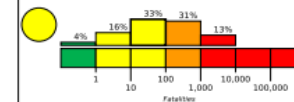
Earthquake Shaking **Red Alert**



## M 8.5, Caribe Wave 19 Panama Scenario

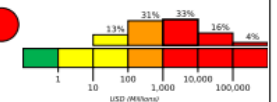
Origin Time: 2019-03-14 14:00:00 UTC (Thu 09:00:00 local)  
Location: 10.0000° N 78.5000° W Depth: 25.1 km  
FOR TSUNAMI INFORMATION, SEE: [tsunami.gov](http://tsunami.gov)

### 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

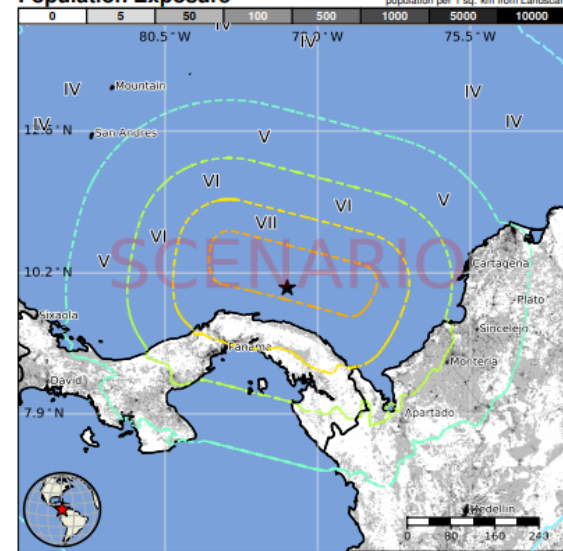


### Estimated Population Exposed to Earthquake Shaking

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(3k)	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	Palмира	<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.

Event ID: uscaribewave\_19\_panama\_se

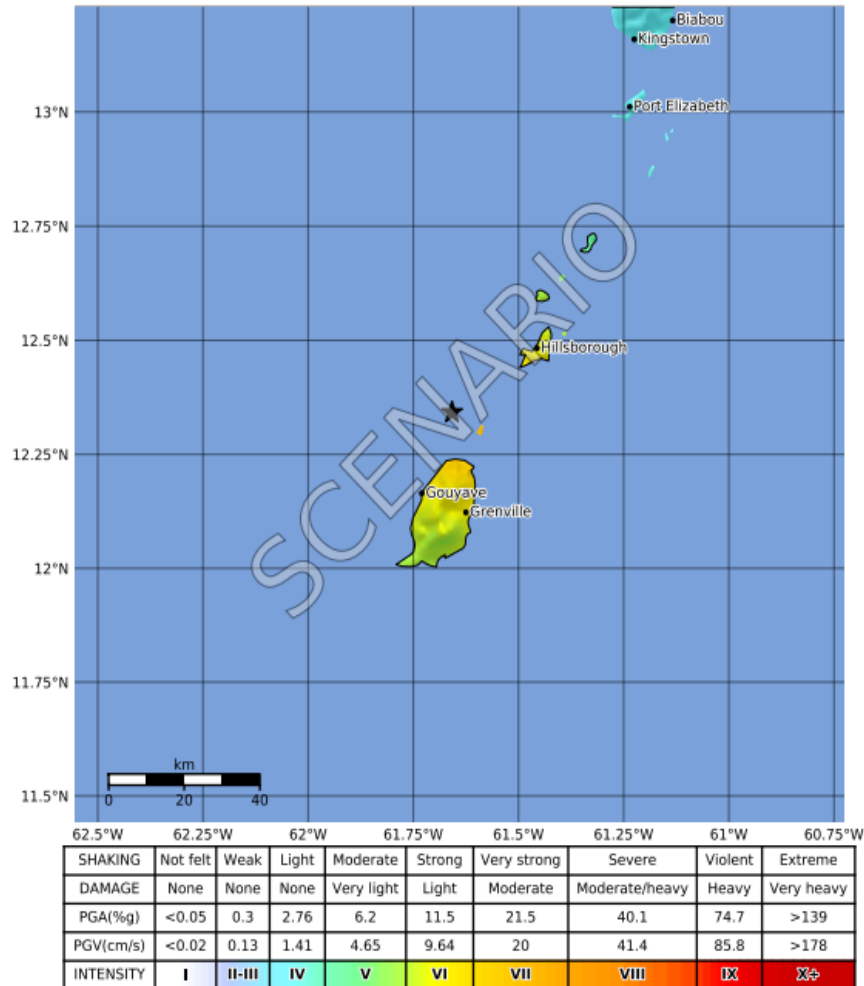
Δ Seismic Instrument ○ Macroseismic Observation  
Scale based upon Worden et al. (2012)

Map Version 1: Processed 2018-10-17T17:23:07Z

# Scénario d'impact sismique

## 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



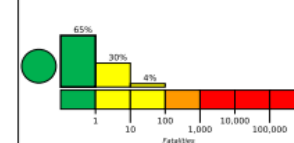
Earthquake Shaking **Yellow Alert**



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

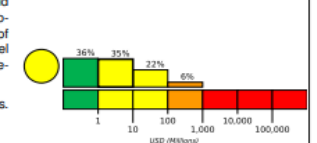
Origin Time: 2019-03-14 14:00:00 UTC (Thu 10:00:00 local)  
Location: 12.3420° N 61.6580° W Depth: 12.0 km

### 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
	Vulnerable Structures		None	None	None	Light	Moderate	Mod./Heavy	Heavy
			None	None	None	Light	Moderate	Mod./Heavy	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

Δ Seismic Instrument ○ Macroscopic Observation  
Scale based upon Worden et al. (2012)

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



Produits PTWC

# Pour Caribe Wave 19, le PTWC émettra les produits suivants:

- Le message dummy initial pour les deux scénarios sera émis le 14 mars 2019 à 1400 UTC et diffusé sur tous ses canaux de diffusion standards.
- Le PTWC affichera un message de début d'exercice sur son compte Twitter à 1400 UTC.
- À partir 1405 UTC, les courriels PTWC contenant tous les produits améliorés simulés (texte et graphique) seront envoyés aux serveurs Web Caribe EWS, TWFP et NTWC désignées par l'un des scénarios.
  - D'ici le **28 Février 2019**, chaque État membre doit sélectionner un scénario et en informer le PTWC ([charles.mccreery@noaa.gov](mailto:charles.mccreery@noaa.gov) et [cindi.preller@noaa.gov](mailto:cindi.preller@noaa.gov)) avec copie au Programme d'alerte aux tsunamis des Caraïbes ([christa.vonh@noaa.gov](mailto:christa.vonh@noaa.gov)). Si l'État membre n'informe pas le PTWC et le CTWP, les organisateurs décideront pour quel scénario le PTWC enverra les produits.
  - Chaque pays et territoire choisira un scénario et décidera si et comment diffuser les messages dans sa zone de responsabilité.
  - Pour vérifier la liste actuelle des UNESCO CARIBE EWS TWFP et NTWC officiellement désignés par l'UNESCO, consultez:

[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**

# CARIBE WAVE 19 Scénarios par État member/territoire

\*scenarios choisis par les organisateurs de Caribe Wave par manuel d'exercices

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

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

PTWC

Centre

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 PROVIDE AND EVALUATE THE CARIBE EWS TSUNAMI WARNING SYSTEM.

THIS IS ONLY AN EXERCISE.

\$\$

# Le message du début de l'exercice CARIBE WAVE 19 sera envoyés sur le(s) compte(s) Twitter de PTWC

Les utilisateurs avec des fournisseurs de téléphones portables aux Etats-Unis  
peuvent recevoir des messages texte, si vous envoyez:

**“Follow NWS\_PTWC” au 40404**

(Tuit messages PTWC)

et

**“Follow NWS\_CTWP” au 40404**

(Seulement messages PTWC pour les Caraïbes et régions adjacentes)

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

(Il sera diffusé à 14h00 comptes UTC / abonnés NWS\_PTWC et  
NWS\_CTWP)

# Panama Scénario



# Chronologie des Messages par PTWC Panama

Date	Heure (UTC)	PTWC	
		Type of Produit	Méthode de transmission
3/14/19	1400	---- Le séisme se produit ----	
3/14/19	1400	Fictif	NWWS, GTS, EMWIN, AISR, Fax, Email
3/14/19	1406	Message de Menace Tsunami #1	Email
3/14/19	1425	Message de Menace Tsunami #2 et Produits Graphiques Améliorés	Email
3/14/19	1440	Message de Menace Tsunami #3	Email
3/14/19	1500	Message de Menace Tsunami #4	Email
3/14/19	1600	Message de Menace Tsunami #5	Email
3/14/19	1700	Message de Menace Tsunami #6	Email
3/14/19	1800	Message de Menace Tsunami #7	Email
3/14/19	1900	Message de Menace Tsunami #8	Email
3/14/19	2000	Message de Menace Tsunami #9	Email
3/14/19	2100	Message de Menace Tsunami #10	Email
3/14/19	2200	Message de Menace Tsunami #11	Email
3/14/19	2300	Message Final de Menace 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.

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NNNN

**PTWC Message #2**

ZCZC  
WECA41 PHEB 141425  
TSUCAX

← WMO ID  
← 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... MONTERRAT... 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

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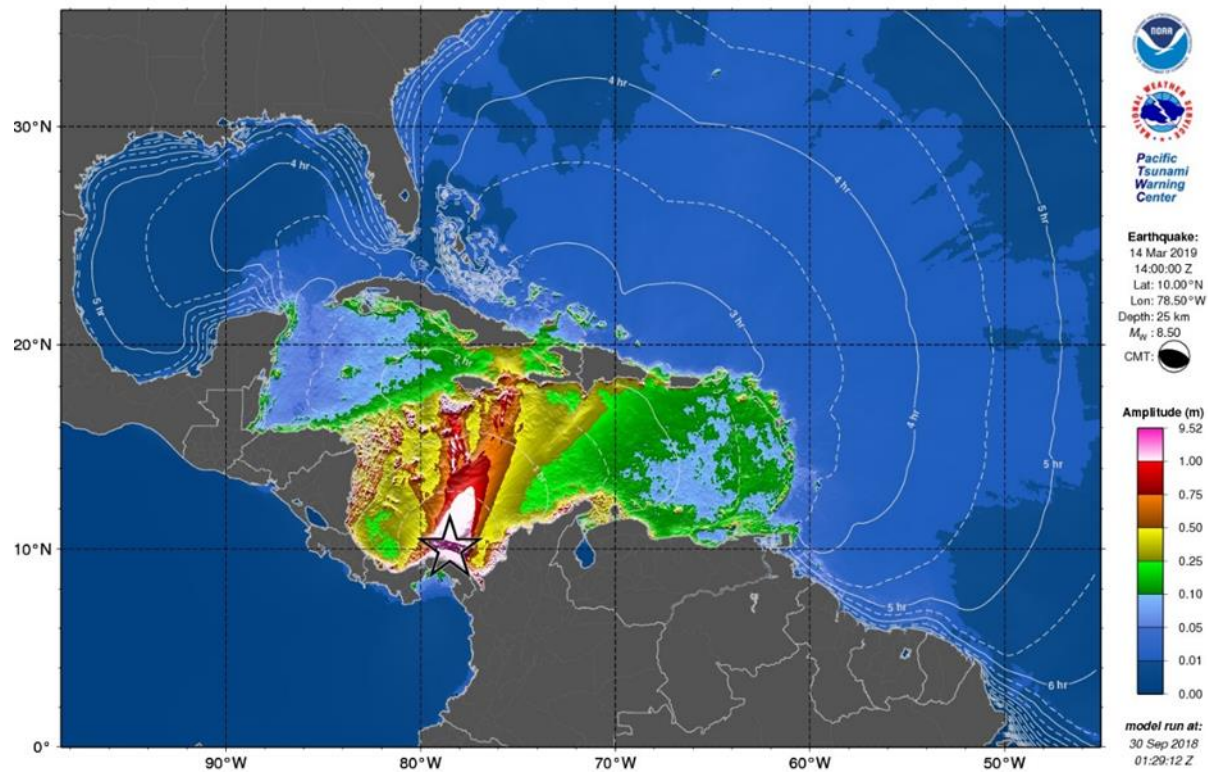
THIS IS A TEST MESSAGE. DO NOT TAKE ACTION BASED ON THIS TEST MESSAGE.

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NNNN



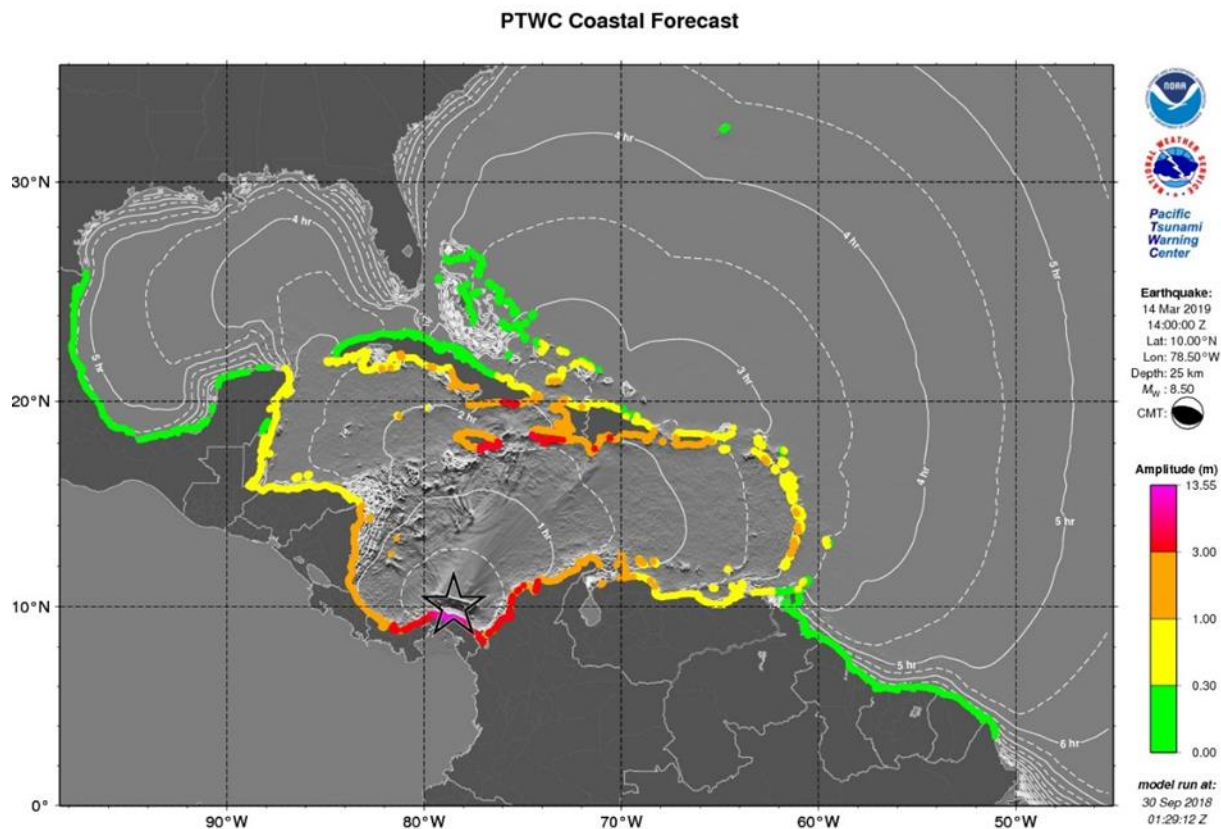
# Prévision des hauteurs de vagues Panama



**Carte RIFT avec l'amplitude maximale du tsunami basé sur le scénario du Panama.**

Lors d'un événement réel ce produits sont disponible uniquement aux points focaux d'alerte aux tsunamis, et Contacts Nationaux Tsunami officiellement désignés.

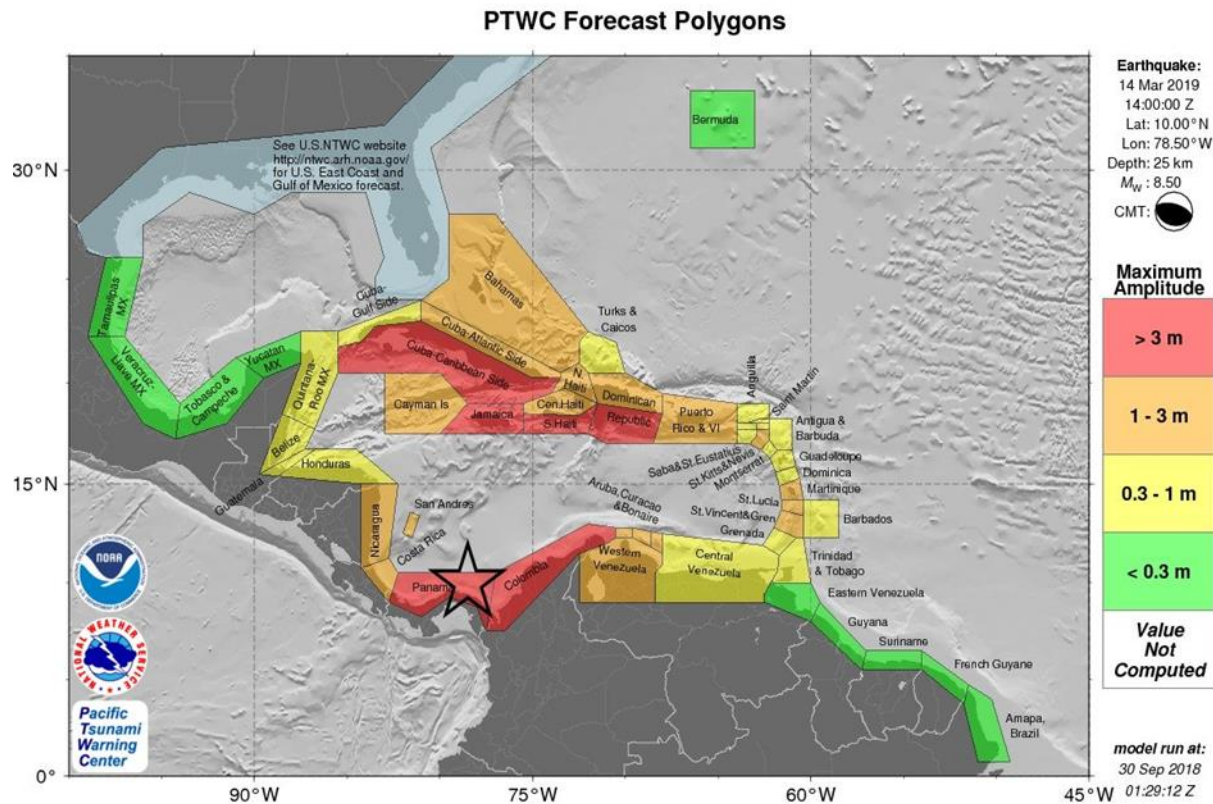
# Prévision des hauteurs de vagues Panama



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# Prévision des hauteurs de vagues Panama



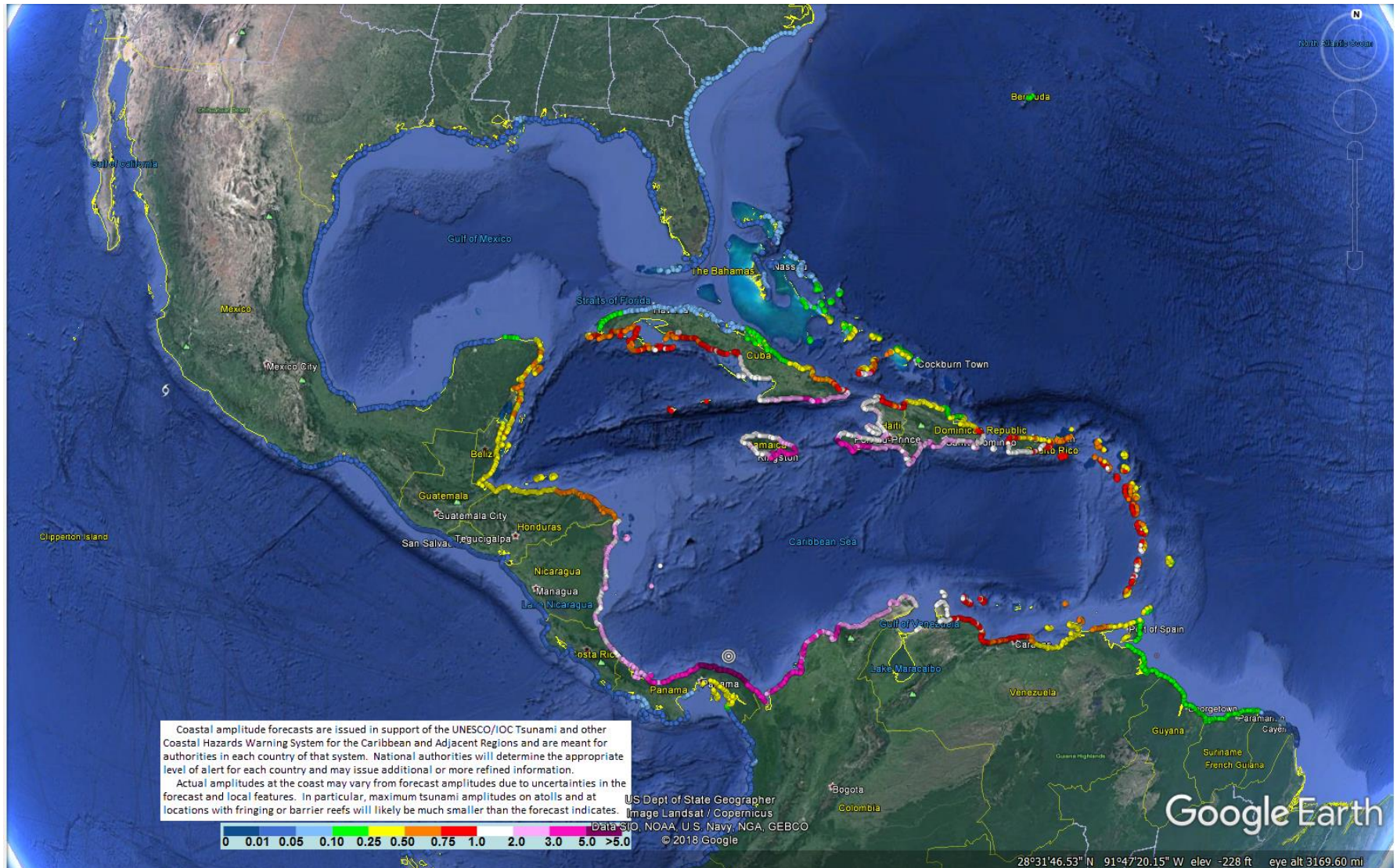
**Carte RIFT prévisions de polygone de la région pour le scénario du Panama.**

Lors d'un événement réel ce produits sont disponible uniquement aux points focaux d'alerte aux tsunamis, et Contacts Nationaux Tsunami officiellement désignés.



# KMZ

## Panama



# Statistiques prévisionnelles des polygones régionaux\*

## Panama

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_Barthelémy	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

\* Les amplitudes réelles à la côte peuvent varier en fonction des amplitudes prévues en raison des incertitudes dans les prévisions et les caractéristiques locales. En particulier, les amplitudes maximales des tsunamis dans les petites îles sont susceptibles d'être beaucoup plus petites que prévu.

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

TEST... RECOMMENDED ACTIONS ...TEST  
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\* 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  
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- \* 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 MARTINIQUE	14.7N	60.9W	1728	0.41M/ 1.3FT	18	
SAINT 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	15.8N	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	15.8N	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

## Kick 'em Jenny Scénario

# Chronologie des Messages par PTWC

## Kick 'em Jenny

Date	Heur (UTC)	PTWC	
		Type de Produit	Méthode de transmission
3/14/19	1400	- - - - Le séisme se produit- - - -	
3/14/19	1400	Fictif	NWWS, GTS, EMWIN, AISR, Fax, Email
3/14/19	1405	Déclaration d'information Tsunami #1	Email
3/14/19	1430	Message de Menace Tsunami #2	Email
3/14/19	1500	Message de Menace Tsunami #3	Email
3/14/19	1530	Message de Menace Tsunami #4	Email
3/14/19	1600	Message de Menace Tsunami #5	Email
3/14/19	1630	Message Final de Menace Tsunami #6	Email

**PTWC Message #1**

ZCZC  
WECA43 PHEB 141405  
TIBCAX

← **WMO ID**

← **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 \*\*\*\*

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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

WMO ID

AWIPS ID

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...

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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 (UTC)	MAXIMUM TSUNAMI HEIGHT	WAVE PERIOD (MIN)
	LAT	LOH			
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](http://UWISEISMIC.COM).



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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-.

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FURTHER INFORMATION ABOUT THIS EVENT MAY BE FOUND AT  
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\* 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.

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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
DESIKRADE 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.

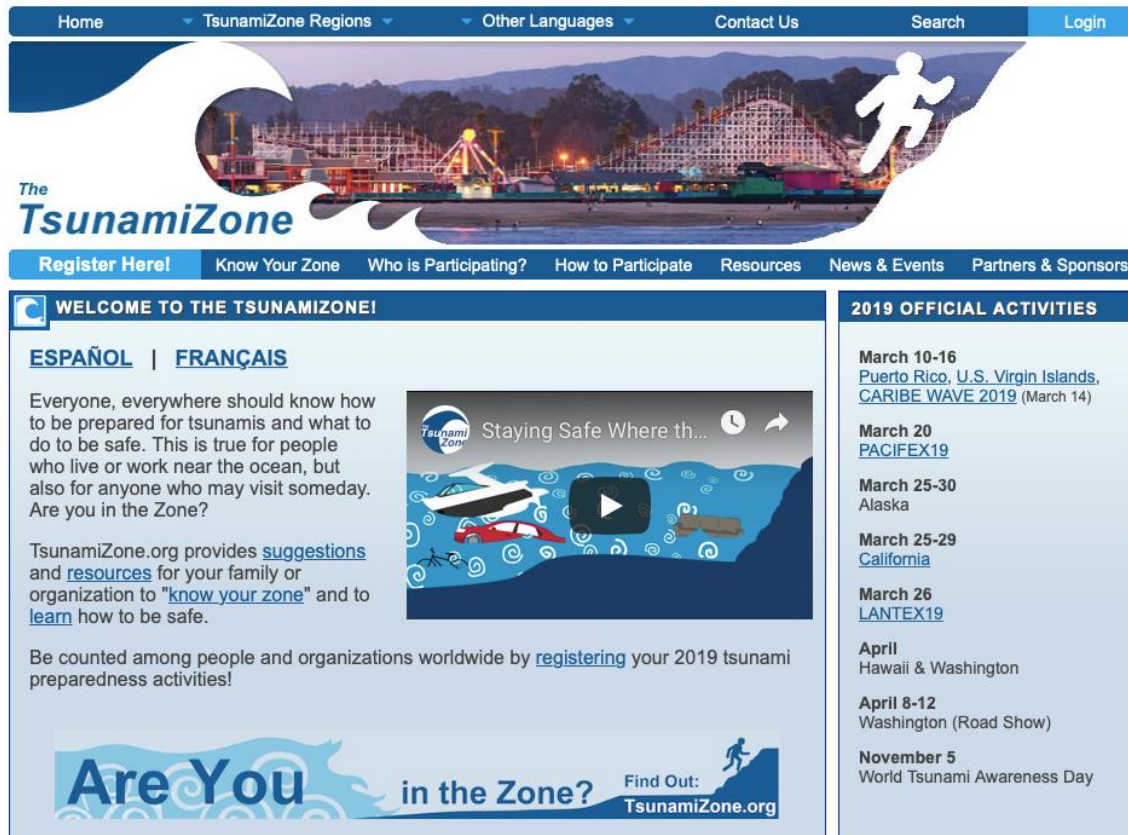
COASTAL REGIONS OF THE US GULF COAST... US EAST COAST... AND THE MARITIME PROVINCES OF CANADA SHOULD REFER TO U.S. NATIONAL TSUNAMI WARNING CENTER MESSAGES THAT CAN BE FOUND AT WWW.TSUNAMI.GOV.

\$\$

# Participation des Etats Membres

## Inscription Tsunami Zone

Chaque État membre doit définir son propre groupe de travail et déterminer les tests qui seront réalisés et l'ampleur de la participation nationale.



The screenshot shows the homepage of the TsunamiZone.org website. The header includes navigation links: Home, TsunamiZone Regions, Other Languages, Contact Us, Search, and Login. Below the header is a large banner image of a beach at night with a roller coaster and a white silhouette of a person running. The main content area is divided into two columns. The left column features a 'WELCOME TO THE TSUNAMIZONE!' section with links for 'ESPAÑOL' and 'FRANÇAIS', a paragraph about preparedness, and a video player titled 'Staying Safe Where th...'. The right column lists '2019 OFFICIAL ACTIVITIES' with dates and locations: March 10-16 (Puerto Rico, U.S. Virgin Islands, CARIBE WAVE 2019), March 20 (PACIFEX19), March 25-30 (Alaska), March 25-29 (California), March 26 (LANTEX19), April (Hawaii & Washington), April 8-12 (Washington (Road Show)), and November 5 (World Tsunami Awareness Day). At the bottom, there is a large blue banner that says 'Are You in the Zone?' with a link to 'Find Out: TsunamiZone.org'.

Home TsunamiZone Regions Other Languages Contact Us Search Login

The TsunamiZone

Register Here! Know Your Zone Who is Participating? How to Participate Resources News & Events Partners & Sponsors

**WELCOME TO THE TSUNAMIZONE!**

[ESPAÑOL](#) | [FRANÇAIS](#)

Everyone, everywhere should know how to be prepared for tsunamis and what to do to be safe. This is true for people who live or work near the ocean, but also for anyone who may visit someday. Are you in the Zone?

TsunamiZone.org provides [suggestions](#) and [resources](#) for your family or organization to "[know your zone](#)" and to [learn](#) how to be safe.

Be counted among people and organizations worldwide by [registering](#) your 2019 tsunami preparedness activities!

**2019 OFFICIAL ACTIVITIES**

March 10-16  
[Puerto Rico, U.S. Virgin Islands, CARIBE WAVE 2019](#) (March 14)

March 20  
[PACIFEX19](#)

March 25-30  
Alaska

March 25-29  
[California](#)

March 26  
[LANTEX19](#)

April  
Hawaii & Washington


April 8-12  
Washington (Road Show)

November 5  
World Tsunami Awareness Day

**Are You in the Zone?** Find Out: [TsunamiZone.org](#)


TWFP et NTWC n'ont pas besoin de s'inscrire sur la zone Tsunami pour recevoir les bulletins simulés du PTWC, mais sont encouragés à le faire pour faire partie du compte statistique des partcipice.

[Home](#) [TsunamiZone Regions](#) [Other Languages](#) [Contact Us](#) [Search](#) [Login](#)



# The TsunamiZone

[Register Here!](#) [Know Your Zone](#) [Who is Participating?](#) [How to Participate](#) [Resources](#) [News & Events](#) [Partners & Sponsors](#)




## WELCOME TO THE TSUNAMIZONE!

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Everyone, everywhere should know how to be prepared for tsunamis and what to do to be safe. This is true for people who live or work near the ocean, but also for anyone who may visit someday. Are you in the Zone?

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Staying Safe Where th...



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### 2019 OFFICIAL ACTIVITIES

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Alaska

**March 25-29**  
[California](#)

**March 26**  
[LANTEX19](#)

**April**  
Hawaii & Washington

**April 8-12**  
Washington (Road Show)

**November 5**  
World Tsunami Awareness Day

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

Les pays peuvent visualiser les participants enregistrés en cliquant sur « Who is Participating »





## PARTICIPATION TOTALS

Click on a category name to see a list of who is participating. Click on a region name to see details of participation totals by area.

These totals are current as of 01/30/2019 11:25 AM PST.

Category	Participants	Participation totals for each area	Total
<b>Total:</b>	<b>1,199</b>	<b>California</b>	<b>424</b>
<a href="#">Individuals/Families</a>	106	<a href="#">North Coast</a>	26
<a href="#">Childcare and Pre-Schools</a>	21	<a href="#">Shasta Cascade</a>	0
<a href="#">K-12 Schools and Districts</a>	26	<a href="#">Bay Area</a>	33
<a href="#">Colleges and Universities</a>	18	<a href="#">Delta Sierra</a>	2
<a href="#">Local Government</a>	261	<a href="#">Inyo-Mono</a>	0
<a href="#">State Government</a>	305	<a href="#">Central Valley South</a>	21
<a href="#">Federal Government (Including Military)</a>	50	<a href="#">Central Coast</a>	1
<a href="#">Tribes</a>	0	<a href="#">Southern California Coast</a>	109
<a href="#">Businesses</a>	0	<a href="#">Inland Southern California</a>	5
<a href="#">Hotels and Other Lodgings</a>	0	<a href="#">San Diego</a>	0
<a href="#">Healthcare</a>	240	<a href="#">Other Areas</a>	227
<a href="#">Senior Facilities/Communities</a>	0	<b>Caribbean</b>	<b>715</b>
<a href="#">Disability/AFN Organizations</a>	50	<a href="#">Anguilla</a>	0
<a href="#">Non-Profit Organizations</a>	6	<a href="#">Antigua and Barbuda</a>	0
<a href="#">Neighborhood Groups</a>	0	<a href="#">Aruba</a>	0
<a href="#">Preparedness Organizations</a>	0	<a href="#">Bahamas</a>	0
<a href="#">Faith-based Organizations</a>	0	<a href="#">Barbados</a>	10
<a href="#">Museums, Libraries, Parks, etc.</a>	0	<a href="#">Belize</a>	0
<a href="#">Volunteer/Service Clubs</a>	0	<a href="#">Bermuda</a>	0
<a href="#">Youth Organizations</a>	0	<a href="#">Bonaire</a>	0
<a href="#">Animal Shelter/Service Providers</a>	0	<a href="#">Brazil</a>	0
<a href="#">Agriculture/Livestock</a>	0	<a href="#">British Virgin Islands</a>	14
<a href="#">Volunteer Radio Groups</a>	86	<a href="#">Cayman Islands</a>	50
<a href="#">Science/Engineering Organizations</a>	0	<a href="#">Colombia</a>	0
<a href="#">Media Organizations</a>	0	<a href="#">Costa Rica</a>	0
<a href="#">Other</a>	30	<a href="#">Cuba</a>	0
		<a href="#">Curacao</a>	0
		<a href="#">Dominica</a>	0
		<a href="#">Dominican Republic</a>	0
		<a href="#">France</a>	0
		<a href="#">Grenada</a>	32
		<a href="#">Guadeloupe</a>	0
		<a href="#">Guatemala</a>	0
		<a href="#">Guyana</a>	0
		<a href="#">Guyane</a>	0
		<a href="#">Haiti</a>	0
		<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
		<a href="#">Netherlands</a>	0
		<a href="#">Nicaragua</a>	0
		<a href="#">Panama</a>	0



## WHO IS PARTICIPATING? (CARIBBEAN)

Click on a category name to see a list of who is participating. Click on a region name to see details of participation totals by area.

These totals are current as of 01/30/2019 11:25 AM PST.

Category	Participants	Participation totals for each area	Total
<b>Total:</b>	<b>715</b>		
<a href="#">Individuals/Families</a>	44	<a href="#">Anguilla</a>	0
<a href="#">Childcare and Pre-Schools</a>	21	<a href="#">Antigua and Barbuda</a>	0
<a href="#">K-12 Schools and Districts</a>	0	<a href="#">Aruba</a>	0
<a href="#">Colleges and Universities</a>	0	<a href="#">Bahamas</a>	0
<a href="#">Local Government</a>	49	<a href="#">Barbados</a>	10
<a href="#">State Government</a>	305	<a href="#">Belize</a>	0
<a href="#">Federal Government (Including Military)</a>	50	<a href="#">Bermuda</a>	0
<a href="#">Tribes</a>	0	<a href="#">Bonaire</a>	0
<a href="#">Businesses</a>	0	<a href="#">Brazil</a>	0
<a href="#">Hotels and Other Lodgings</a>	0	<a href="#">British Virgin Islands</a>	14
<a href="#">Healthcare</a>	150	<a href="#">Cayman Islands</a>	50
<a href="#">Senior Facilities/Communities</a>	0	<a href="#">Colombia</a>	0
<a href="#">Disability/AFN Organizations</a>	0	<a href="#">Costa Rica</a>	0
<a href="#">Non-Profit Organizations</a>	0	<a href="#">Cuba</a>	0
<a href="#">Neighborhood Groups</a>	0	<a href="#">Curacao</a>	0
<a href="#">Preparedness Organizations</a>	0	<a href="#">Dominica</a>	0
<a href="#">Faith-based Organizations</a>	0	<a href="#">Dominican Republic</a>	0
<a href="#">Museums, Libraries, Parks, etc.</a>	0	<a href="#">France</a>	0
<a href="#">Volunteer/Service Clubs</a>	0	<a href="#">Grenada</a>	32
<a href="#">Youth Organizations</a>	0	<a href="#">Guadeloupe</a>	0
<a href="#">Animal Shelter/Service Providers</a>	0	<a href="#">Guatemala</a>	0
<a href="#">Agriculture/Livestock</a>	0	<a href="#">Guyana</a>	0
<a href="#">Volunteer Radio Groups</a>	86	<a href="#">Guyane</a>	0
<a href="#">Science/Engineering Organizations</a>	0	<a href="#">Haiti</a>	0
<a href="#">Media Organizations</a>	0	<a href="#">Honduras</a>	0
<a href="#">Other</a>	10	<a href="#">Jamaica</a>	0
		<a href="#">Martinique</a>	0
		<a href="#">Mexico</a>	0
		<a href="#">Montserrat</a>	0
		<a href="#">Netherlands</a>	0



## WHO IS PARTICIPATING? (GRENADA)

Click on a category name to see a list of who is participating. Click on a region name to see details of participation totals by area.

Participation totals for each county are [listed below](#).

These totals are current as of 01/30/2019 11:25 AM PST.

Category	Participants
<b>Total:</b>	<b>32</b>
<a href="#">Individuals/Families</a>	32
<a href="#">Childcare and Pre-Schools</a>	0
<a href="#">K-12 Schools and Districts</a>	0
<a href="#">Colleges and Universities</a>	0
<a href="#">Local Government</a>	0
<a href="#">State Government</a>	0
<a href="#">Federal Government (Including Military)</a>	0
<a href="#">Tribes</a>	0
<a href="#">Businesses</a>	0
<a href="#">Hotels and Other Lodgings</a>	0
<a href="#">Healthcare</a>	0
<a href="#">Senior Facilities/Communities</a>	0
<a href="#">Disability/AFN Organizations</a>	0
<a href="#">Non-Profit Organizations</a>	0
<a href="#">Neighborhood Groups</a>	0
<a href="#">Preparedness Organizations</a>	0
<a href="#">Faith-based Organizations</a>	0
<a href="#">Museums, Libraries, Parks, etc.</a>	0
<a href="#">Volunteer/Service Clubs</a>	0
<a href="#">Youth Organizations</a>	0
<a href="#">Animal Shelter/Service Providers</a>	0
<a href="#">Agriculture/Livestock</a>	0
<a href="#">Volunteer Radio Groups</a>	0
<a href="#">Science/Engineering Organizations</a>	0
<a href="#">Media Organizations</a>	0
<a href="#">Other</a>	0



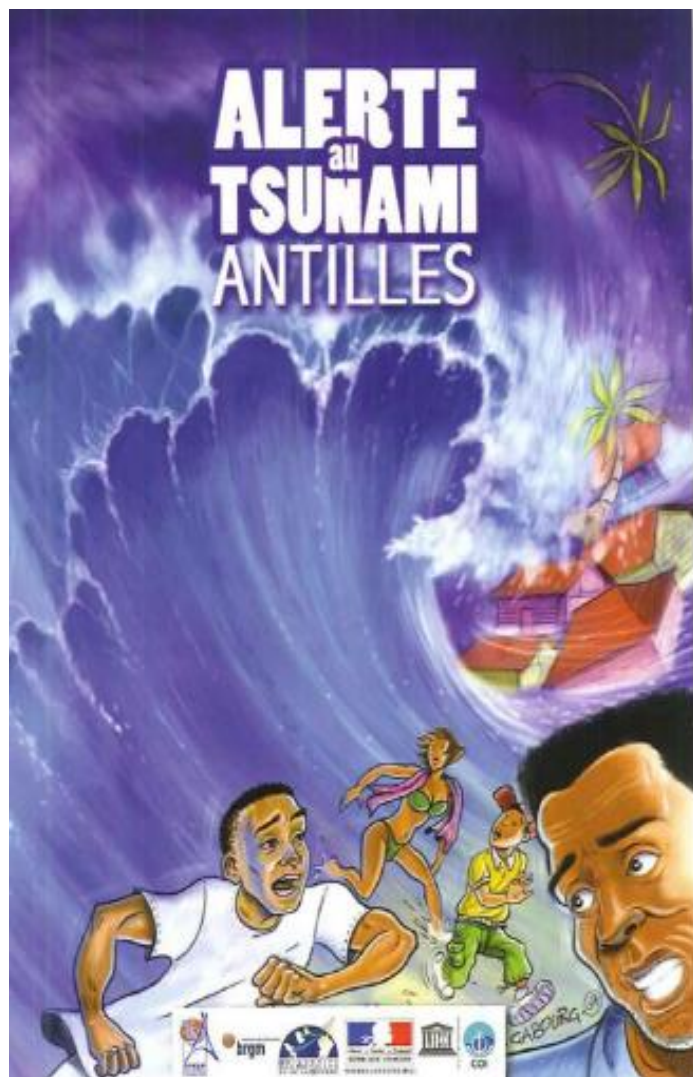
# Ressources

- Manuels du IOC “[Comment planifier, mener et évaluer les exercices de tsunami](#)” et “[Module sur l'exercice de Tsunami](#)” qui seront également des ressources utiles. (Anglais, Espagnol).
- Manuel CARIBE WAVE 2011, 2013, 2014, 2015, 2016, 2017, 2018 et 2019.
- Rapport final CARIBE WAVE 2013, 2014, 2015, 2016, 2017 et 2018.
- Plan de Communication de PTWC pour les Caraïbes.
- Disponible sur [www.caribewave.info](http://www.caribewave.info)
- Questions sur l'exercice pourraient être adressées aux membres du Groupe de travail CARIBE WAVE 19.

## Autres informations

- Des outils additionnels seront placés sur les pages de CTWP ([www.caribewave.info](http://www.caribewave.info)).
- Envoyer à [christa.vonh@noaa.gov](mailto:christa.vonh@noaa.gov) les liens vers les sites internet de chaque pays afin d'être inclus sur les pages du CTWP.
- Cette présentation est disponible sur le site Web du CTWP (<https://www.weather.gov/ctwp/caribewave19>).

# Guide méthodologique: Comment préparer, mener et évaluer un exercice de réaction aux tsunamis basé sur la communauté



- Ce guide recommandé aux États membres pour examiner les exercices Caribe Wave.
- Fournit aux chefs de communauté la conduite et l'évaluation d'un exercice d'évacuation suite à un tsunami avec une méthodologie et des outils.
- Cela est particulièrement pertinent pour les organismes directement exposés aux effets d'un tsunami, tels que les administrations locales, les écoles, les associations et les entreprises.
- Ce guide a pour objectif d'encourager le développement d'une culture commune des exercices entre les autorités municipales chargées de garantir la sécurité des habitants de leur région et les dirigeants de la communauté, acteurs de la vie sociale et économique de la région.
- Guide disponible en anglais et en français  
[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)

# CARIBE WAVE 19 Équipe de Travail

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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

# Chronologie

ACTION	DUE DATE
Lettre circulaire envoyée par le CIO aux États membres	✓ Aug 2018
Brouillon du manuel distribué entre le ICG CARIBE EWS TNC/TWFP et le TT CARIBE WAVE 19	✓ Aug 2018
Date limite pour les commentaires	✓ Sep 2018
Manuel d'exercice disponible en ligne	✓ Nov 2018
1er Webinaire CW	15 - Janvier - 2019 - Anglais 16 - Janvier - 2019 - Espagnol 17 - Janvier - 2019 - Français
2e Webinaire CW	12 - Février - 2019 - Anglais 13 - Février - 2019 - Espagnol 14 - Février - 2019 - Français
Les pays indiquent le scénario sélectionné	28 Février 2019
Exercice	14 Mars 2019
Évaluation de l'exercice dû	29 Mars 2019
Projet de Rapport Final CARIBE WAVE Caribe 19 5 Avril 2019	

## Questions, Commentaires

Merci de votre participation

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