

















1st Webinar

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NOAA NWS Caribbean Tsunami Warning Program- Manager ICG CARIBE EWS Chair January 23, 2018

CARIBE WAVE 2017

- 32 nations and 15 territories of the Caribbean and Adjacent Regions participated in this exercise with a total of 679,985 people engaged.
 - This represented an increase of participation of 102% (up from 332,812 participants in 2016)



Objectives Caribe Wave 18

1. To exercise and evaluate operations of the CARIBE EWS Tsunami Warning System.

- A. Validate the issuance of tsunami products from the PTWC.
- B. Validate the receipt of tsunami products by CARIBE EWS Tsunami Warning Focal Points (TWFPs) and/or National Tsunami Warning Centers NTWCs).

2. To evaluate the use of PTWC CARIBE EWS products.

- A. Validate readiness to respond to a tsunami.
- B. Validate the operational readiness of the TWFPs/NTWCs and/or The National Disaster Management Office (NDMO).
- C. Improve operational readiness. Before the exercise, ensure appropriate tools and response plan(s) have been developed, including public education materials.
- D. Validate that the dissemination of warnings and information/advice by TWFPs, and NTWCs, to relevant in-country agencies and the public is accurate and timely.
- E. Evaluate the status of the implementation of the TsunamiReady recognition program.

Goals/ Metrics

Goal	2013 Result	2014 Metric	2014 Result	2015 Metric	2015 Result	2016 Metric	2016 Result	2017 Metric	2017 Results	2018 Metric
Participation of Member States of ICG CARIBE EWS with designated focal warning point	94%	95%	98% (including two MS/Territ ory unofficial)	95%	100%	100%	100%	100%	100%	100%
Compliance with the timeline	Close to 100%	100%	Almost 100%	100%	Almost 100%	100%	Almost 100%	100%	Almost 100%	100%
Community involvement (beyond TWFP)	75%	75%	75%	80%	66%	85%	73%	90%	82%	95%
Number of participants	44,000	+10%	191,000	+10%	191,420	+10%	332,814	+10%	679,985	+10%
TWFP receive the dummy message	98%	100%	94%	100%	90%	100%	84%	100%	95%	100%
Countries who participate submit exercise questionnaire	90%	100%	100%	100%	91%	100%	100%	100%	100%	100%

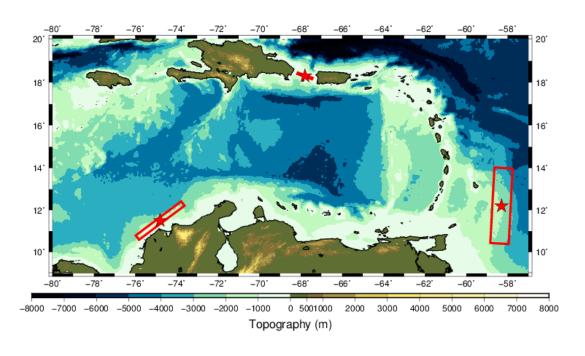
Exercise Handbook

 The exercise Handbook is available at www.caribewave.info

- The manual includes:
 - Tsunami and earthquake scenarios description
 - Timelines
 - PTWC dummy message and simulated exercise threat messages
 - Travel times and expected wave heights
 - The website link to post-exercise evaluation questionnaire

CARIBE WAVE 18

Earthquake and Tsunami Scenarios



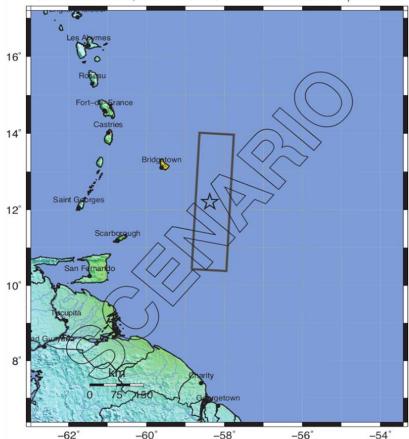
Scenario	Origin Time	Mw	Epicenter
Barbados		8.6	12.20°, -58.30°
Colombia	14:00:00 UTC	8.1	11.5°, -74.8°
Puerto Rico	March 15, 2018	7.6	18.3°, -67.8°

Earthquake Impact Scenario **Barbados**

-- Earthquake Planning Scenario --

ShakeMap for Barbados Scenario

Scenario Date: Mar 15, 2018 14:00:00 UTC M 8.6 N12.21 W58.38 Depth: 20.9km



PLANNING SCENARIO ONLY -- Map Version 1 Processed 2017-08-18 19:39:42 UTC

PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	none	none	none	Very light	Light	Moderate	Mod./Heavy	Heavy	Very Heavy
PEAK ACC.(%g)	<0.05	0.3	2.8	6.2	12	22	40	75	>139
PEAK VEL.(cm/s)	<0.02	0.1	1.4	4.7	9.6	20	41	86	>178
INSTRUMENTAL INTENSITY	1	11-111	IV	V	VI	VII	VIII	IX	X+

Scale based upon Worden et al. (2012)

≥USGS

Earthquake Yellow Shaking Alert



M 8.6, Barbados Scenario

Estimated Fatalities

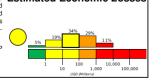
Origin Time: 2018-03-15 14:00:00 UTC (Thu 10:00:00 local) Location: 12.2051 °N 58.3792 °W Depth: 20.9 km

Yellow alert for shaking-related fatalities Estimated Economic Losses and economic losses. Some casualties and

damage are possible and the impact should be relatively localized. Past yellow alerts have required a local or regional level re-

Estimated economic losses are 0-4% GDP

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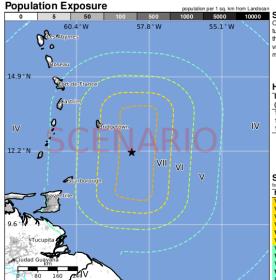


Estimated Population Exposed to Earthquake Shaking

10,000

ESTIMATED EXPOSURE	POPULATION (k=x1000)	_*	39k*	2,846k*	1,727k	150k	143k	0	0	0
ESTIMATED I MERCALLI IN PERCEIVED S		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
DAMAGE	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area



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 adobe block and informal (metal, timber, GI etc.) construction.

Historical Earthquakes

Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)		MMI(#)	Deaths
1990-07-12	351	5.8	V(439k)	-
1988-03-10	322	6.6	VII(20k)	_
1997-04-22	315	6.6	VII(9k)	0

Selected City Exposure

	from G	eoNames.org	
	MMI	City	Population
	VII	Crane	1k
	VII	Four Cross Roads	<1k
	VII	Oistins	2k
-	VI	Welchman Hall	<1k
	VI	Bridgetown	99k
	VI	Bathsheba	2k
	V	Chaguanas	67k
′	V	Fort-de-France	90k
	V	San Fernando	55k
	v	Laventille	157k
	IV	Georgetown	235k
Τ	bold cit	ies appear on map.	(k=x1000

PAGER content is automatically generated, and only considers losses due to structural damage http://earthquake.usgs.gov/data/pager/

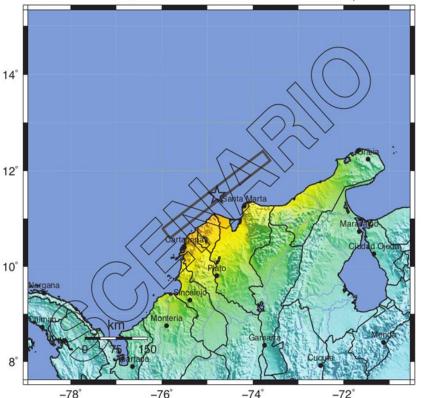
Event ID: uscaribewaye 2018 barbados se

Earthquake Impact Scenario Colombia

-- Earthquake Planning Scenario --

ShakeMap for Colombia Scenario

Scenario Date: Mar 15, 2018 14:00:00 UTC M 8.1 N11.48 W74.79 Depth: 17.6km



PLANNING SCENARIO ONLY -- Map Version 1 Processed 2017-08-18 19:36:13 UTC

PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	none	none	none	Very light	Light	Moderate	Mod./Heavy	Heavy	Very Heavy
PEAK ACC.(%g)	<0.05	0.3	2.8	6.2	12	22	40	75	>139
PEAK VEL.(cm/s)	<0.02	0.1	1.4	4.7	9.6	20	41	86	>178
INSTRUMENTAL	- 1	11-111	IV	V	VI	VII	VIII	IX	X+

Scale based upon Worden et al. (2012)



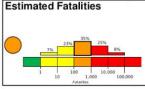




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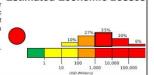
M 8.1, Colombia Scenario

Location: 11.4820 ° N 74.7871 ° W Depth: 17.6 km FOR TSUNAMI INFORMATION, SEE: tsunami.gov



Red alert for economic losses. Exten- Estimated Economic Losses sive damage is probable and the disaster is likely widespread. Estimated economic losses are 0-1% GDP of Colombia. Past events with this alert level have required a national or international level response.

Orange alert for shaking-related fatalities Significant casualties are likely.



Estimated Population Exposed to Earthquake Shaking

ESTIMATED EXPOSURE	POPULATION (k=x1000)	-*	1,579k*	8,563k*	3,515k	1,169k	4,338k	0	0	0
ESTIMATED MERCALLI	MODIFIED INTENSITY	- 1	11-111	IV	٧	VI	VII	VIII	IX	X+
PERCEIVE	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
DAMAGE	Vulnerable	None	None	None	Light	Moderate	Mod/Heavy	Heavy	V. Heavy	V. Heavy

Population Exposure

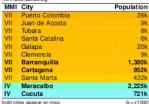


Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though resistant structures exist. The predominant vulnerable building types are mud wall with wood and ductile reinforced concrete frame construction.

Historical Earthquakes

Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)		MMI(#)	Deaths
1978-04-04	365	6.3	V(4k)	

Selected City Exposure



PAGER content is automatically generated, and only considers losses due to structural da http://earthquake.usgs.gov/data/pager/

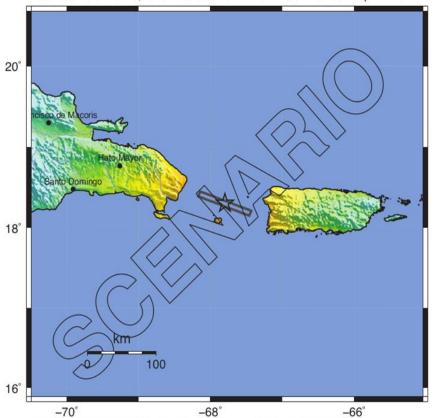
Event ID: uscaribewaye2018.colombia.se

Earthquake Impact Scenario **Puerto Rico**

-- Earthquake Planning Scenario --

ShakeMap for Puerto Rico Scenario

Scenario Date: Mar 15, 2018 14:00:00 UTC M 7.6 N18.31 W67.80 Depth: 12.0km



PLANNING SCENARIO ONLY -- Map Version 1 Processed 2017-08-18 19:24:24 UTC

PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	none	none	none	Very light	Light	Moderate	Mod./Heavy	Heavy	Very Heavy
PEAK ACC.(%g)	<0.05	0.3	2.8	6.2	12	22	40	75	>139
PEAK VEL.(cm/s)	<0.02	0.1	1.4	4.7	9.6	20	41	86	>178
INSTRUMENTAL INTENSITY	- 1	11-111	IV	V	VI	VII	VIII	IX	X+



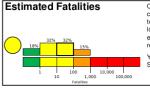




M 7.6, Puerto Rico Scenario

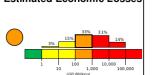
Origin Time: 2018-03-15 14:00:00 UTC (Thu 10:00:00 local) Location: 18:3063 ° N 67:7968 ° W Depth: 12:0 km

PAGER Version 1



Orange alert for economic losses. Signifi- Estimated Economic Losses cant damage is likely and the disaster is potentially widespread. Estimated economic losses are 0-2% GDP of Puerto Rico. Past events with this alert level have required a regional or national level response

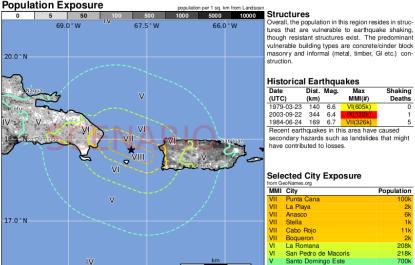
Yellow alert for shaking-related fatalities. Some casualties are possible.



Estimated Population Exposed to Earthquake Shaking

ESTIMATED EXPOSURE	POPULATION (k=x1000)	_*	_*	1,031k*	7,558k	1,838k	290k	0	0	0
ESTIMATEI MERCALLI	MODIFIED INTENSITY	1	11-111	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

*Fatimated exposure only includes population within the map area



from Ge	юName	is.org		
MMI	City			Ī

MMI	City	Population
VII	Punta Cana	100k
VII	La Playa	2k
VII	Anasco	6k
VII	Stella	1k
VII	Cabo Rojo	11k
VII	Boqueron	2k
VI	La Romana	208k
VI	San Pedro de Macoris	218k
V	Santo Domingo Este	700k
٧	Santo Domingo	2,202k
٧	San Juan	418k
bold cit	ies appear on map.	(k=x1000

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.

Event ID: uscaribewaye 2018 puerto rico se

Dist. Mag.

Shaking

Deaths

http://earthquake.usgs.gov/data/pager/

PTWC PRODUCTS

For Caribe Wave 18 PTWC will issue the following products:

- The initial dummy message for the three scenarios will be issued on March 15, 2018 at 1400 UTC and disseminated over all its standard broadcast channels.
- PTWC will issue a start of exercise message through its Twitter account at 1400 UTC.
- As of 1405 UTC, PTWC emails will be sent with all the simulated enhanced products (text and graphical) to the designated CARIBE EWS TWFP and NTWC for one of the scenarios.
 - By March 2, 2018, each Member State needs to select one scenario and must inform its selection to PTWC (charles.mccreery@noaa.gov and cindi.preller@noaa.gov) with a copy to the Caribbean Tsunami Warning Program (christa.vonh@noaa.gov). If the Member State does not inform the PTWC and CTWP, the organizers will decide for which scenario the PTWC will send the products.
 - Each country and territory will choose one scenario and decide if and how to disseminate messages within its area of responsibility.
 - To verify the current list of officially designated UNESCO IOC CARIBE EWS TWFP and NTWC check out:

http://www.ioc-

tsunami.org/index.php?option=com_content&view=article&id=6&Itemid=22&lang=en

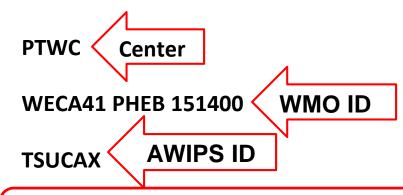
Username: tsunami pwd: bigwave

CARIBE WAVE 18 Scenarios by Member State/Territory

*scenarios decided by Caribe Wave organizers per Exercise Handbook

		per Exercise Harrasook				
Barbados	Colombia	Puerto Rico				
Bermuda	Costa Rica	Honduras				
		United Kingdom				
		British Virgin Islands				
		United States				
		Puerto Rico U.S. Virgin Islands				

Appendix E. TWC Dummy (Start of Exercise) Messages



TEST...TSUNAMI EXERCISE MESSAGE NUMBER 1...TEST NWS PACIFIC TSUNAMI WARNING CENTER/NOAA/NWS ISSUED AT 1400Z 15 MAR 2018

...CARIBEWAVE 18 TSUNAMI EXERCISE MESSAGE. REFER TO PTWC MESSAGE 1 IN THE EXERCISE HANDBOOK. THIS IS AN EXERCISE ONLY...

THIS MESSAGE IS BEING USED TO START THE CARIBEWAVE 18 CARIBBEAN TSUNAMI EXERCISE. 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 EMERGENCY MANAGEMENT A REALISTIC SCENARIO TO TEST TSUNAMI RESPONSE PLANS.

THIS IS ONLY AN EXERCISE.

Start of Exercise messages will also be sent out by PTWC twitter accounts

Users with US Cellphone providers can receive Tweets as text messages, sending as body message:

"Follow NWS_PTWC" to 40404 (this account is for all PTWC products)

"Follow NWS_CTWP" to 40404 (this account is only for PTWC products for the Caribbean and Adjacent Regions)

"This is a test message for the CARIBEWAVE18 tsunami exercise #CaribeWave" (will be issued at 14h00 UTC to NWS_PTWC and NWS_CTWP accounts/subcribers)."

Barbados Scenario

Message Chronology issued by the PTWC Barbados

_		PTWC						
Date	Time (UTC)	Type of Product	Transmission Method					
3/15/18	1400	Earthquake	O c c u r s					
3/15/18	1400	Dummy	NWWS, GTS, EMWIN, AISR, Fax, Email					
3/15/18	1405	Tsunami Threat Message #1	Email					
3/15/18	1425	Tsunami Threat Message # 2 and Graphic Enhanced Products	Email					
3/15/18	1500	Tsunami Threat Message #3	Email					
3/15/18	1600	Tsunami Threat Message #4	Email					
3/15/18	1700	Tsunami Threat Message #5	Email					
3/15/18	1800	Tsunami Threat Message #6	Email					
3/15/18	1900	Tsunami Threat Message #7	Email					
3/15/18	2000	Tsunami Threat Message #8	Email					
3/15/18	2100	Final Tsunami Threat Message #9	Email					

PTWC Message #1 WECA41 PHEB 151405 TSUCAX AWIPS ID

TSUNAMI MESSAGE NUMBER 1 NWS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI 1405 UTC TUE MAR 15 2018

..TSUNAMI THREAT MESSAGE..

**** 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 ****

TEST... PRELIMINARY EARTHQUAKE PARAMETERS ... TEST

- * MAGNITUDE 8.3
- * ORIGIN TIME 1400 UTC MAR 15 2018
- * COORDINATES 12.2 NORTH 58.3 WEST
- * DEPTH 15 KM / 9 MILES
- * LOCATION NORTH ATLANTIC OCEAN

EVALUATION

- * THIS IS A TEST MESSAGE. AN EARTHQUAKE WITH A PRELIMINARY MAGNITUDE OF 8.3 OCCURRED IN THE NORTH ATLANTIC OCEAN AT 1400 UTC ON THURSDAY MARCH 15 2018.
- * 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

BARBADOS... SAINT VINCENT... SAINT LUCIA... TRINIDAD
TOBAGO... MARTINIQUE... DOMINICA... GRENADA...
GUADELOUPE... MONTSERRAT... ANTIGUA... SAINT KITTS...
BARBUDA... SINT EUSTATIUS... SABA... ANGUILLA... US VIRGIN
IS... BR VIRGIN IS... PUERTO RICO... SINT MAARTEN...
BONAIRE... SAINT BARTHELEMY... SAINT MARTIN... DOMINICAN
REP... VENEZUELA... TURKS N CAICOS... ARUBA... HAITI...

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	COORD	INATES	ETA (UTC)		
BRIDGETOWN	BARBADOS	13.1N				
KINGSTOWN	SAINT VINCENT	13.1N	61.2W	1448	03/15	
CASTRIES	SAINT LUCIA	14.0N	61.0W	1452	03/15	
	TRINIDAD TOBAGO		60.6W		03/15	
FORT DE FRANCE	MARTINIQUE	14.6N	61.1W	1500	03/15	
ROSEAU	DOMINICA	15.3N	61.4W	1500	03/15	
SAINT GEORGES	GRENADA	12.0N	61.8W	1506	03/15	
BASSE TERRE	GUADELOUPE	16.0N	61.7W	1509	03/15	
	MONTSERRAT	16.7N	62.2W	1517	03/15	
SAINT JOHNS	ANTIGUA	17.1N	61.9W	1534	03/15	
	SAINT KITTS	17.3N	62.7W	1535	03/15	
PALMETTO POINT	BARBUDA	17.6N	61.9W	1536	03/15	
SINT EUSTATIUS	SINT EUSTATIUS	17.5N	63.0W	1537	03/15	
SABA	SABA	17.6N	63.2W	1538	03/15	
THE VALLEY	ANGUILLA	18.3N	63.1W	1543	03/15	
CHRISTIANSTED	US VIRGIN IS	17.7N	64.7W	1545	03/15	
ANEGADA	BR VIRGIN IS	18.8N	64.3W	1548	03/15	
SAN JUAN	PUERTO RICO	18.5N	66.1W	1549	03/15	
SIMPSON BAAI	SINT MAARTEN	18.0N	63.1W	1549	03/15	
	BR VIRGIN IS	18.4N	64.6W	1602	03/15	
MAYAGUEZ	PUERTO RICO	18.2N	67.2W	1602	03/15	
ONIMA	BONAIRE	12.3N	68.3W	1604	03/15	
SAINT BARTHELEM	SAINT BARTHELEMY	17.9N	62.8W	1607	03/15	
CHARLOTTE AMALI	US VIRGIN IS	18.3N	64.9W	1607	03/15	
PORT OF SPAIN	TRINIDAD TOBAGO	10.6N	61.5W	1609	03/15	
BAIE LUCAS	SAINT MARTIN	18.1N	63.0W	1609	03/15	
BAIE GRAND CASE	SAINT MARTIN	18.1N	63.1W	1613	03/15	
CABO ENGANO	DOMINICAN REP	18.6N	68.3W	1615	03/15	
PUERTO PLATA	DOMINICAN REP	19.8N	70.7W	1617	03/15	
MAIQUETIA	VENEZUELA	10.6N	67.0W	1621	03/15	
BAIE BLANCHE	SAINT MARTIN	18.1N	63.0W	1623	03/15	
GRAND TURK	TURKS N CAICOS	21.5N	71.1W	1625	03/15	
CUMANA	VENEZUELA	10.5N	64.2W	1627	03/15	
ORANJESTAD	ARUBA	12.5N	70.0W	1629	03/15	
SANTO DOMINGO	DOMINICAN REP	18.5N	69.9W	1631	03/15	
CAP HAITEN	HAITI	19.8N	72.2W	1634	03/15	
WILLEMSTAD	CURACAO	12.1N			03/15	
MAYAGUANA	BAHAMAS	22.3N	73.0W	1641	03/15	
WEST CAICOS	TURKS N CAICOS	21.7N			03/15	
JACAMEL	HAITI	18.1N	72.5W	1649	03/15	
BARACOA	CUBA	20.4N	74.5W	1653	03/15	
GREAT INAGUA	BAHAMAS	20.9N	73.7W	1655	03/15	

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 SWEPT 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 151425
TSUCAX
AWIPS ID
WMO ID

TEST...TSUNAMI MESSAGE NUMBER 2...TEST NWS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI 1425 UTC THU MAR 15 2018

..TEST TSUNAMI THREAT MESSAGE TEST.

**** 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 ****

TEST... PRELIMINARY EARTHQUAKE PARAMETERS ...TEST

- * MAGNITUDE 8.6
- * ORIGIN TIME 1400 UTC MAR 15 2018
- * COORDINATES 12.2 NORTH 58.3 WEST
- * DEPTH 15 KM / 9 MILES
- * LOCATION NORTH ATLANTIC OCEAN

EVALUATION

- * THIS IS A TEST MESSAGE. AN EARTHQUAKE WITH A REVISED MAGNITUDE OF 8.6 OCCURRED IN THE NORTH ATLANTIC OCEAN AT 1400 UTC ON THURSDAY MARCH 15 2018.
- * THIS IS A TEST MESSAGE. TSUNAMI WAVES HAVE BEEN OBSERVED.
- * 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

FRENCH GUYANE... GUYANA... SURINAME... BARBADOS...
DOMINICA... GRENADA... GUADELOUPE... MARTINIQUE... SAINT
LUCIA... SAINT VINCENT AND THE GRENADINES... AND TRINIDAD
AND TOBAGO.

- * THIS IS A TEST MESSAGE. TSUNAMI WAVES REACHING 1 TO 3 METERS ABOVE THE TIDE LEVEL ARE POSSIBLE ALONG SOME COASTS OF VENEZUELA... ANTIGUA AND BARBUDA... ARUBA... CURACAO... MONTSERRAT... PUERTO RICO AND VIRGIN ISLANDS... SABA AND SAINT EUSTATIUS... AND SAINT KITTS AND NEVIS.
- * THIS IS A TEST MESSAGE. TSUNAMI WAVES REACHING 0.3 TO 1
 METERS ABOVE THE TIDE LEVEL ARE POSSIBLE FOR SOME COASTS OF

BRAZIL... COLOMBIA... DOMINICAN REPUBLIC... HAITI...
ANGUILLA... BERMUDA... BONAIRE... JAMAICA... SAINT
BARTHELEMY... SINT MAARTEN... AND SAINT MARTIN.

- * 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	COORDINA	ATES	ETA (UTC)	
BRIDGETOWN	BARBADOS			1428 03/15	
KINGSTOWN	SAINT VINCENT	13.1N 6	1.2W	1448 03/15	
CASTRIES	SAINT LUCIA	14.0N 6	1.0W	1452 03/15	
PIRATES BAY	TRINIDAD TOBAGO	11.3N 60	0 6W	1459 03/15	
FORT DE FRANCE	MARTINIQUE	14.6N 6	1.1W	1500 03/15	
ROSEAU	DOMINICA	15.3N 6	1.4W	1500 03/15	
SAINT GEORGES	GRENADA	15.3N 6: 12.0N 6:	1.8W	1506 03/15	
	GUADELOUPE		1.7W	1509 03/15	
PLYMOUTH	MONTSERRAT	16.7N 6	2.2W	1517 03/15	
SAINT JOHNS	ANTIGUA		1.9W	1534 03/15	
BASSETERRE	SAINT KITTS	17.3N 62	2.7W	1535 03/15	
PALMETTO POINT	BARBUDA	17.6N 6	1.9W	1536 03/15	
SINT EUSTATIUS	SINT EUSTATIUS	17.5N 63	3.0W	1537 03/15	
SABA	SABA	17.5N 63	3.2W	1538 03/15	
THE VALLEY	ANGUILLA	18.3N 63	3.1W	1543 03/15	
CHRISTIANSTED	US VIRGIN IS	17.7N 6	4.7W	1545 03/15	
ANEGADA	BR VIRGIN IS	18.8N 6	4.3W	1548 03/15	
SAN JUAN	PUERTO RICO	18.5N 6	6.1W	1549 03/15	
SIMPSON BAAI	SINT MAARTEN	18.0N 63	3.1W	1549 03/15	
ROADTOWN	BR VIRGIN IS	18.4N 6	4.6W	1602 03/15	
MAYAGUEZ	PUERTO RICO	18.2N 6	7.2W	1602 03/15	
ONIMA	BONAIRE	12.3N 68	8.3W	1604 03/15	
SAINT BARTHELEM	SAINT BARTHELEMY	17.9N 6	2.8W	1607 03/15	
CHARLOTTE AMALI	US VIRGIN IS	18.3N 6	4.9W	1607 03/15	
PORT OF SPAIN	TRINIDAD TOBAGO	10.6N 6	1.5W	1609 03/15	
BAIE LUCAS	SAINT MARTIN	18.1N 6	3.0W	1609 03/15	
BAIE GRAND CASE	SAINT MARTIN	18.1N 63	3.1W	1613 03/15	
CABO ENGANO	DOMINICAN REP	18.6N 68	8.3W	1615 03/15	
PUERTO PLATA	DOMINICAN REP	19.8N 70	0.7W	1617 03/15	
MAIQUETIA	VENEZUELA			1621 03/15	
BAIE BLANCHE	SAINT MARTIN	18.1N 6	3.0W	1623 03/15	
CUMANA	VENEZUELA	10.5N 6	4.2W	1627 03/15	
ORANJESTAD	ARUBA		0.0W	1629 03/15	
SANTO DOMINGO	DOMINICAN REP	18.5N 69	9.9W 8.9W	1631 03/15	
WILLEMSTAD	CURACAO			1639 03/15	
JACAMEL	HAITI	18.1N 72	2.5W	1649 03/15	
JEREMIE	ITIAH	18.6N 7	4.1W	1705 03/15	
ESSO PIER	BERMUDA	32.4N 6	4.7W 4.2W	1706 03/15	
	COLOMBIA	11.2N 7	4.2W	1718 03/15	
CAYENNE	FRENCH GUYANE	4.9N 52	2.3W	1725 03/15	
CARTAGENA	COLOMBIA COLOMBIA	10.4N 7	5.6W 4.9W	1734 03/15	
BARRANQUILLA		11.1N 7	4.9W	1743 03/15	
RIOHACHA	COLOMBIA	11.6N 72 18.5N 7	2.9W	1747 03/15	
MONTEGO BAY	JAMAICA			1751 03/15	
PORT AU PRINCE	HAITI		2.4W	1758 03/15	
GEORGETOWN	GUYANA		8.2W	1800 03/15	
KINGSTON	JAMAICA		6.9W	1803 03/15	
PUNTA CARIBANA	COLOMBIA		6.9W	1818 03/15	
PARAMARIBO	SURINAME		5.2W	1820 03/15	
PUNTO FIJO	VENEZUELA		0.2W	1856 03/15	
PORLAMAR	VENEZUELA		3.8W	1920 03/15	
GOLFO VENEZUELA	VENEZUELA		1.2W 0.5W	1956 03/15	
ILHA DE MARACA	BRAZIL	2.2N 5	U.SW	2112 03/15	

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 SWEPT OUT TO SEA.

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

ONE HOUR... OR SOONER IF THE SITUATION WARRANTS.

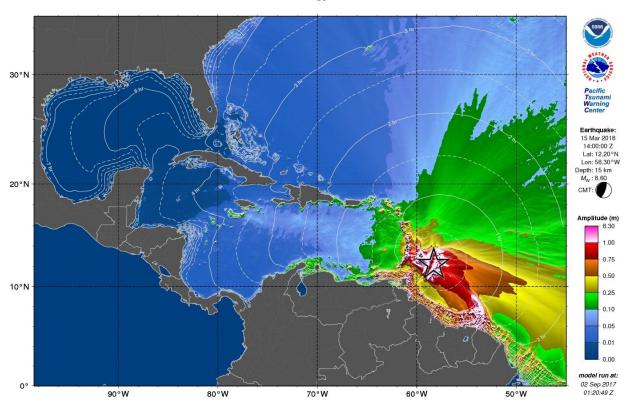
* THIS IS A TEST MESSAGE. THE NEXT MESSAGE WILL BE ISSUED IN

- * 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-.
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- * 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.

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Energy Forecast for Tsunami Wave Heights **Barbados**

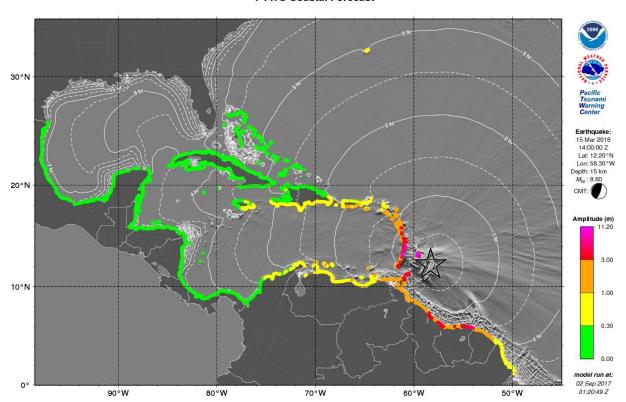




RIFT maximum amplitude map based on the scenario for Barbados.

Coastal Forecast for Tsunami Wave Heights **Barbados**

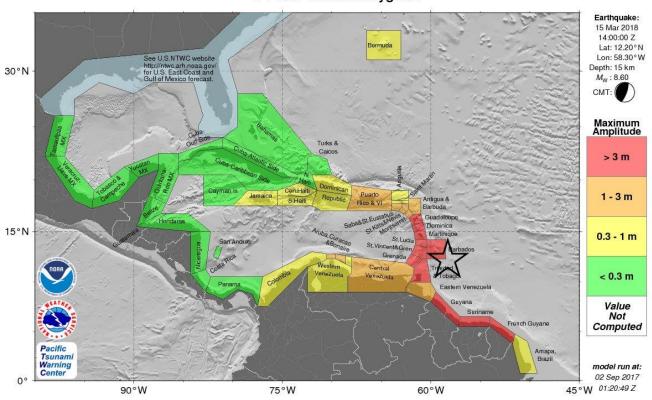




RIFT coastal tsunami amplitude map based on the scenario for Barbados.

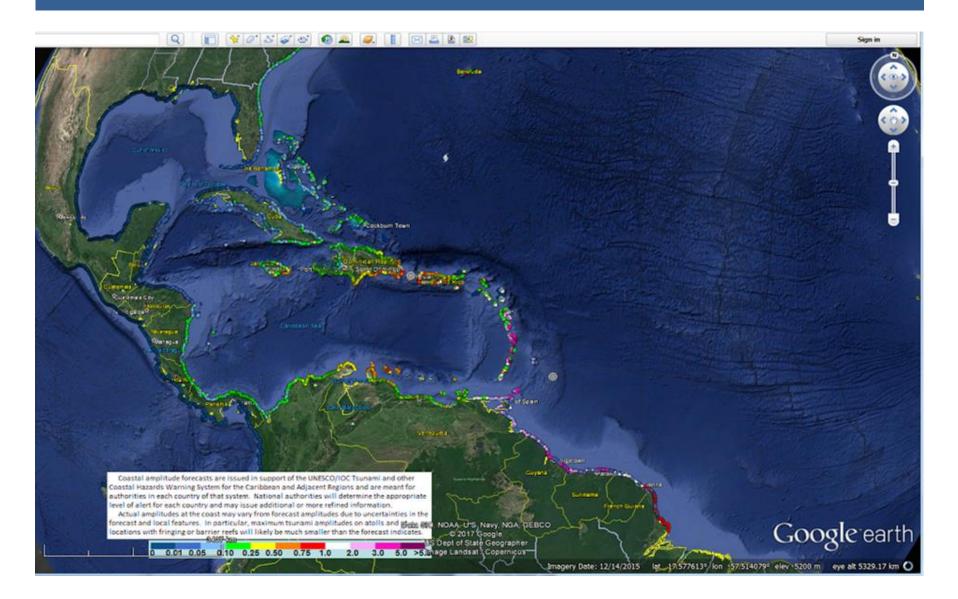
Polygons Forecast for Tsunami Wave Heights **Barbados**

PTWC Forecast Polygons



RIFT forecast polygons for the Caribbean region on the Barbados scenario.

KMZBarbados



Forecast Statistics for Regional Polygons* Barbados

			st (meters				cast (mete		Total
Region_Name	Maximum	Mean	Median	STD	Maximum	Mean	Median	STD	Points
Saint_Vincent_and_the_Grenadines	11	4.2	2.5	3	8.3	2.4	2.2	1.7	3
Barbados	11	8.2	8.2	1.5	5.8	3.4	3	1.2	2
Saint_Lucia	8.2	4.9	5.4	1.8	5.3	1.8	1.7	1	2
French_Guyane	6.5	1.3	1.3	0.6	4.1	0.97	0.65	0.84	8
Suriname	6.5	3.4	2.7	1.2	3.5	1.1	0.99	0.53	10
Grenada	5.3	2.3	1.8	1.1	4	1.5	1.3	1.1	2
Martinique	5.1	3.2	3.2	0.94	4	1.6	1.2	1	4
Trinidad_and_Tobago	4.8	2.8	2.2	0.94	5	1.4	1.3	0.62	7
Dominica	4.1	2.2	2	0.82	2.4	0.66	0.53	0.42	3
Guyana	3.9	2.8	2.8	0.48	1.7	0.94	0.91	0.25	10
Guadeloupe	3.4	1.9	1.6	0.77	3.1	0.78	0.82	0.42	7
Atlantic_Coast_of_Venezuela	2.5	2.2	2.1	0.16	1.7	0.85	0.81	0.3	8
Central_Coast_of_Venezuela	2.1	0.78	0.54	0.54	1.4	0.43	0.31	0.31	23
Saint_Kitts_and_Nevis	1.5	1.1	1.1	0.22	1	0.44	0.32	0.24	2
Antigua_and_Barbuda	1.5	1.3	1.3	0.14	1.2	0.73	0.72	0.28	2
Montserrat	1.3	1.1	1.2	0.09	0.66	0.37	0.3	0.14	1
Puerto_Rico_and_Virgin_Islands	1.2	0.62	0.62	0.28	1.1	0.29	0.24	0.18	19
Saba_and_Saint_Eustatius	1.2	0.88	0.87	0.16	0.37	0.24	0.21	0.06	
Aruba	1.1	0.89	1	0.17	0.71	0.39	0.31	0.19	
Curacao	1	0.65	0.56	0.2	0.49	0.2	0.2	0.08	2
Amapa_Brazil	0.97	0.91	0.95	0.07	1.1	0.32	0.26	0.21	12
Anguilla	0.94	0.85	0.86	0.08	0.92	0.6	0.6	0.17	
Sint Maarten	0.9	0.85	0.87	0.05	0.84	0.58	0.48	0.18	
Saint_Barthelemy	0.83	0.79	0.79	0.03	0.83	0.67	0.73	0.18	
Caribbean_Coast_of_Dominican_Rep	0.82	0.57	0.59	0.1	0.82	0.3	0.25	0.15	14
Jamaica	0.78	0.31	0.24	0.18	0.76	0.15	0.11	0.12	14
Saint Martin	0.75	0.75	0.75	0	0.58	0.55	0.54	0.02	
Atlantic_Coast_of_Dominican_Repub	0.74	0.18	0.15	0.12	0.92	0.1	0.06	0.13	12
Western Coast of Venezuela	0.74	0.57	0.59	0.09	0.72	0.36	0.37	0.14	10
Bermuda	0.73	0.65	0.64	0.06	0.57	0.31	0.28	0.12	
Caribbean Coast of Haiti	0.7	0.47	0.44	0.12	0.4	0.17	0.16	0.08	8
Bonaire	0.7	0.64	0.66	0.04	0.76	0.37	0.32	0.17	1
Caribbean Coast of Colombia	0.49	0.26	0.27	0.1	0.47	0.14	0.12	0.09	25
Gulf of Gonave Coast of Haiti	0.36	0.18	0.17	0.05	0.22	0.06	0.05	0.04	14
Caribbean Coast of Cuba	0.29	0.1	0.08	0.06	0.29	0.03	0.02	0.02	42
Caribbean Coast of Panama	0.24	0.15	0.15	0.04	0.16	0.07	0.07	0.03	17
Caribbean Coast of Costa Rica	0.24	0.16	0.16	0.03	0.12	0.07	0.07	0.02	4
Turks_and_Caicos_Islands	0.22	0.16	0.16	0.04	0.14	0.05	0.05	0.02	4
Atlantic Coast of Haiti	0.21	0.13	0.11	0.04	0.08	0.04	0.04	0.01	6
Bahamas	0.2	0.09	0.08	0.03	0.28	0.04	0.03	0.02	44
Caribbean_Coast_of_Nicaragua	0.15	0.12	0.12	0.02	0.07	0.03	0.03	0.02	13
San Andres and Providencia	0.14	0.14	0.14	0	0.04	0.04	0.04	0	
Atlantic Coast of Cuba	0.12	0.05	0.06	0.03	0.06	0.02	0.02	0.01	25
Cayman Islands	0.06	0.05	0.05	0.01	0.05	0.02	0.02	0.01	
Quintana Roo Mexico	0.05	0.03	0.03	0.01	0.04	0.01	0.01	0.01	16
Belize	0.04	0.03	0.03	0.01	0.02	0.01	0.01	0.01	9
Gulf of Mexico Coast of Cuba	0.04	0.01	0.01	0	0.01	0	0	0	12
Caribbean Coast of Honduras	0.04	0.03	0.03	0	0.03	0.01	0.01	0	18
Caribbean Coast of Guatemala	0.03	0.03	0.03	0	0.01	0.01	0.01	0	1
Yucatan Mexico	0.01	0.03	0.03	0	0.01	0.01	0.01	0	5

*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 small islands will likely be much smaller than the forecast indicates.

PTWC Message #9

ZCZC
WECA41 PHEB 152100
TSUCAX

AWIPS ID

TEST...TSUNAMI MESSAGE NUMBER 9...TEST
NWS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI
2100 UTC THU MAR 15 2018

...TEST FINAL TSUNAMI THREAT MESSAGE TEST..

**** 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 ****

TEST... PRELIMINARY EARTHQUAKE PARAMETERS ... TEST

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- * MAGNITUDE 8.6
- * ORIGIN TIME 1400 UTC MAR 15 2018
- * COORDINATES 12.2 NORTH 58.3 WEST
- * DEPTH 15 KM / 9 MILES
- * LOCATION NORTH ATLANTIC OCEAN

EVALUATION

* THIS IS A TEST MESSAGE. AN EARTHQUAKE WITH A MAGNITUDE OF 8.6 OCCURRED IN THE NORTH ATLANTIC OCEAN AT 1400 UTC ON THURSDAY MARCH 15 2018.

* 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

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.

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.

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NNNN

Colombia Scenario

Message Chronology issued by the PTWC Colombia

Date	Time (UTC)	PTWC					
		Type of Product	Transmission Method				
3/15/18	1400	Earthquake	O c c u r s				
3/15/18	1400	Dummy	NWWS, GTS, EMWIN, AISR, Fax, Email				
3/15/18	1405	Tsunami Threat Message #1	Email				
3/15/18	1425	Tsunami Threat Message # 2 and Graphic Enhanced Products	Email				
3/15/18	1500	Tsunami Threat Message #3	Email				
3/15/18	1600	Tsunami Threat Message #4	Email				
3/15/18	1700	Tsunami Threat Message #5	Email				
3/15/18	1800	Tsunami Threat Message #6	Email				
3/15/18	1900	Tsunami Threat Message #7	Email				
3/15/18	2000	Tsunami Threat Message #8	Email				
3/15/18	2100	Final Tsunami Threat Message #9	Email				

PTWC Message #1
ZCZC
WECA41 PHEB 151405 WMO ID
TSUCAX AWIPS ID
TESTTSUNAMI MESSAGE NUMBER 1TEST
NWS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI
1405 UTC THU MAR 15 2018
TEST TSUNAMI THREAT MESSAGE TEST
**** 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 ****
TEST PRELIMINARY EARTHQUAKE PARAMETERS TEST
* MAGNITUDE 8.1
* ORIGIN TIME 1400 UTC MAR 15 2018
* COORDINATES 11.5 NORTH 74.8 WEST
* DEPTH 15 KM / 9 MILES
* LOCATION NEAR THE NORTH COAST OF COLOMBIA

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EVALUATION
 * THIS IS A TEST MESSAGE. AN EARTHQUAKE WITH A PRELIMINARY
 MAGNITUDE OF 8.1 OCCURRED NEAR THE NORTH COAST OF COLOMBIA
 AT 1400 UTC ON THURSDAY MARCH 15 2018.
 * 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
  COLOMBIA... PANAMA... HAITI... ARUBA... SAN ANDRES
  PROVID... BONAIRE... DOMINICAN REP... CUBA... COSTA
  RICA... JAMAICA... CURACAO... PUERTO RICO... US VIRGIN
  IS... CAYMAN ISLANDS... BAHAMAS... VENEZUELA... TURKS N
  CAICOS... SABA... SAINT KITTS... MONTSERRAT... SINT
  EUSTATIUS... GUADELOUPE... DOMINICA... BR VIRGIN IS...
  SAINT LUCIA... SINT MAARTEN... SAINT VINCENT...
  MARTINIQUE... NICARAGUA... ANGUILLA... GRENADA... SAINT
  MARTIN... BARBADOS... SAINT BARTHELEMY... ANTIGUA...
  MEXICO... HONDURAS AND BARBUDA
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.
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SANTA MARTA COLOMBIA 11.2N 74.2W 1415 03/15 CARTAGENA COLOMBIA 11.1N 74.9W 1434 03/15 ALIGANDI PANNAM 9.2N 78.0W 1453 03/15 PUERTO CARRETO JACAMEL ARTHI 18.1N 72.5W 1507 03/15 CARTAGENA ALIGANDI PUERTO CARRETO JACAMEL HATTI 18.1N 72.5W 1507 03/15 PUERTO CARRETO JACAMEL ARUBA 12.5N 70.0W 1459 03/15 PUERTO OBALDIA PANNAM 8.7N 77.4W 1510 03/15 PUERTO CARTEAN PUERTO CARTEAN PUERTO CARTEAN PUERTO CARTEAN COLOMBIA 11.6N 72.9W 1513 03/15 PUERTA CARTEAN COLOMBIA 11.6N 72.9W 1513 03/15 PUERTA CARTEAN COLOMBIA 11.6N 72.9W 1513 03/15 PROVIDENCIA SAN ANDRES PROVI 13.4N 81.4W 1515 03/15 PROVIDENCIA SAN ANDRES PROVI 13.4N 81.4W 1515 03/15 PROVIDENCIA SAN ANDRES PROVI 13.4N 81.4W 1515 03/15 PROVIDENCIA SAN ANDRES PROVI 13.6N 81.4W 1515 03/15 PROVIDENCIA SAN ANDRES PROVID 13.6N 81.4W 1515 03/15 PROVIDENCIA SAN TARRETOR PROVID 13.6N 81.4W 1515 03/15 PROVI	LOCATION	REGION	COORDINATES	
CARTAGENA COLOMBIA 10.4N 75.6W 1429 03/15 ALIGANDI PANAMA 9.2N 78.0W 1453 03/15 PUERTO CARRETO PANAMA 8.8N 77.6W 1453 03/15 PUERTO CARRETO PANAMA 8.8N 77.6W 1459 03/15 PUERTO CARDETO PANAMA 8.8N 77.6W 1459 03/15 PUERTO CARDETO PANAMA 8.8N 77.6W 1459 03/15 PUERTO CARDETO PANAMA 8.8N 77.6W 1510 03/15 PUERTO CABLDIA PANAMA 8.7N 77.4W 1515 03/15 PUERTO CABLDIA PANAMA 8.7N 77.4W 1515 03/15 PUERTO CALDIA PANAMA 9.4N 1515 03/15 PUERTO CALDIA PANAMA 9.4N 1515 03/15 PUERTO CALDIA PANAMA 9.4N 79.5W 1529 03/15 PUERTO CALDIA PANAMA 9.4N 79.5W 1529 03/15 PUERTO CALDIA PANAMA 9.4N 79.5W 1530 03/15 PUERTO CALDIA PANAMA 9.4N 79.5W 1530 03/15 PUERTO CALDIA PANAMA 9.4N 79.5W 1540 03/15 PUERTO CALDIA PANAMA 9.4N 82.2W 1550 03/15 PUERTO CALDIA PANAMA 9.4N 82.2W				
Description		COLOMBIA	10.4N 75.6W	1429 03/15
DURITO CARRETO PANAMA S. 8N 77.6	BARRANQUILLA	COLOMBIA		1434 03/15
DACAMEL HAITI				
DRAMJESTAD ARUBA 12.5 N 70.0 W 1510 03/15 PUERTO DEBLDIA COLOMBIA 11.6 N 72.9 W 1513 03/15 PUENTO CARIBANA SAN ANDRES PROVI 13.4 N 81.4 W 1515 03/15 PORTO DEDETICA SAN ANDRES PROVI 13.4 N 81.4 W 1515 03/15 PORTO DEMINGO SAN ANDRES PROVI 13.4 N 81.4 W 1515 03/15 PUENTO DEMINGO SAN ANDRES PROVI 13.4 N 81.4 W 1515 03/15 PUENTO DEMINGO SAN ANDRES PROVI 13.4 N 81.4 W 1515 03/15 PUENTO DEMINGO SAN ANDRES PROVI 13.4 N 81.4 W 1515 03/15 PUENTO LIMON SAN ANDRES PROVI 13.4 N 81.4 W 1515 03/15 PUENTO LIMON SAN ANDRES PROVI 13.4 N 81.4 W 1515 03/15 PUENTO LIMON COLON PANAMA 9.4 N 79.9 W 1529 03/15 PUENTO LIMON PANAMA 9.4 N 79.9 W 1537 03/15 PUENTO LIMON PANAMA 9.4 N 79.9 W 1537 03/15 PUENTO LIMON PANAMA 9.4 N 79.9 W 1537 03/15 PUENTO RICO PANAMA 9.4 N 79.9 W				
PUENTO OBALDIA PANAMA S.TM 77.4W 1510 03/15 1514 03/15				
NOTICACIA COLOMBIA 11.6M 72.9W 1513 03/15				
Denote				
SAN ANDRES SAN ANDRES PROVI 13.4 M 51.5 03/15				
DATA BONAIRE 12.3N 68.3W 1520 03/15				
SANTO DOMINGO DOMINICAN REP 18.5N 69.9W 1529 03/15 1529 03/15	PROVIDENCIA	SAN ANDRES PROVI	12.6N 81.7W	1516 03/15
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SANTIAGO D CUBA 19.9N 75.8W 1534 03/15				
DUERTO LIMON COSTA RICA 10.0N 83.0W 1536 03/15 KINSSTON JAMAICA 17.9N 76.9W 1537 03/15 WILLEMSTAD CURACAO 12.1N 68.9W 1544 03/15 WILLEMSTAD CURACAO 12.1N 68.9W 1544 03/15 WILLEMSTAD CURACAO 12.1N 68.9W 1544 03/15 WILLEMSTAD CURACAO 12.1N 67.2W 1550 03/15 EARACOA CUBA 20.4N 74.5W 1550 03/15 EARACOA CUBA 20.4N 74.5W 1550 03/15 CASO ENGANO CUBA 20.4N 74.5W 1550 03/15 CASO ENGANO COMMINICAN REP 18.6N 68.3W 1552 03/15 CASMAN BRAC CAYMAN ISLANDS 19.7N 79.9W 1552 03/15 CASMAN BRAC CAYMAN ISLANDS 19.7N 79.9W 1552 03/15 CASMAND CAYMAN CAYMAN ISLANDS 19.7N 79.9W 1555 03/15 CASMAND CAYMAN CAYMAN SILANDS 19.3N 81.3W 1601 03/15 CASMAND CAYMAN CAYMAN SILANDS 19.3N 81.3W 1601 03/15 CASMAND CAYMAN CAYMAN CAYMAN SILANDS 19.3N 81.3W 1601 03/15 CASMAND CAYMAN C				
COLON				
KINISTON JAMAICA 17.9N 76.9W 1544 03/15 MAYAGUEZ PUERTO RICO 18.2N 67.2W 1546 03/15 BOCAS DEL TORO PANAMA 9.4N 82.2W 1550 03/15 BARACOA CUBA 20.4N 74.5W 1550 03/15 CHRISTIANSTED US VIRGIN IS 17.7N 64.7W 1552 03/15 CABO ENGANO DOMINICAN REP 18.6N 66.3W 1552 03/15 CAYMAN BRAC CAYMAN ISLANDS 19.7N 79.9W 1552 03/15 GREAT INAGUA BAHAMAS 20.9N 73.7W 1556 03/15 GRAND CAYMAN CAYMAN ISLANDS 19.3N 81.3W 1601 03/15 GRAND CAYMAN CAYMAN ISLANDS 19.3N 81.3W 1601 03/15 GRAN JUAN PUERTO RICO 18.5N 77.9W 1605 03/15 WEST CALCOS TURKS N CALCOS 21.7N 72.5W 1606 03/15 GIBARA				
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SAN JUAN				
WEST CAICOS	MONTEGO BAY	JAMAICA	18.5N 77.9W	1605 03/15
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PALMETTO POINT BARBUDA 17.6N 61.9W 1658 03/15				

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 SWEPT 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

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PTWC Message #2

ZCZC
WECA41 PHEB 151425
TSUCAX AWIPS ID

TEST...TSUNAMI MESSAGE NUMBER 2...TEST NWS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI 1425 UTC THU MAR 15 2018

TEST TSUNAMI THREAT MESSAGE TEST

**** 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 ****

TEST...PRELIMINARY EARTHQUAKE PARAMETERS...TES

- * MAGNITUDE 8.1
- * ORIGIN TIME 1400 UTC MAR 15 2018
- * COORDINATES 11.5 NORTH 74.8 WEST
- * DEPTH 15 KM / 9 MILES
- * LOCATION NEAR THE NORTH COAST OF COLOMBIA

TEST... EVALUATION ...TEST

* THIS IS A TEST MESSAGE. AN EARTHQUAKE WITH A PRELIMINARY MAGNITUDE OF 8.1 OCCURRED NEAR THE NORTH COAST OF COLOMBIA AT 1400 UTC ON THURSDAY MARCH 15 2018.

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

DOMINICAN REPUBLIC... HAITI... NICARAGUA... PANAMA...
JAMAICA... 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

COSTA RICA... CUBA... VENEZUELA... ANTIGUA AND BARBUDA...
ARUBA... BAHAMAS... BONAIRE... CAYMAN ISLANDS...
CURACAO... DOMINICA... GRENADA... GUADELOUPE...
MARTINIQUE... MONTSERRAT... PUERTO RICO AND VIRGIN
ISLANDS... SABA AND SAINT EUSTATIUS... SAINT KITTS AND
NEVIS... SAINT LUCIA... AND SAINT VINCENT AND THE
GRENADINES.

- * 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.

*THIS IS A TEST MESSAGE, GOVERNMENT AGENCIES RESPONSIBLE FOR THREATENED COASTAL AREAS SHOULD TAKE ACTION TO INFORM AND INSTRUCT ANY COASTAL POPULATIONS AT BISK 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 ALERIT FOR INFORMATION AND FOLLOW INSTRUCTIONS FROM NATIONAL AND LOCAL AUTHORITIES. *THIS IS A TEST MESSAGE, EFRONS LOCATED IN THREATENED COASTAL AREAS SHOULD STAY ALERIT FOR INFORMATION AND FOLLOW INSTRUCTIONS FROM NATIONAL AND LOCAL AUTHORITIES. *THIS IS A TEST MESSAGE, ESTIMATED TIMES OF ARRIVALTEST **THIS IS A TEST MESSAGE, ESTIMATED TIMES OF ARRIVALTEST **THIS IS A TEST MESSAGE, ESTIMATED TIMES OF ARRIVALTEST **THIS IS A TEST MESSAGE, ESTIMATED TIMES OF ARRIVALTEST **THIS IS A TEST MESSAGE, ESTIMATED TIMES OF ARRIVALTEST **THIS IS A TEST MESSAGE, ESTIMATED TIMES OF ARRIVALTEST **THIS IS A TEST MESSAGE, ESTIMATED TIMES OF ARRIVALTEST **THIS IS A TEST MESSAGE, ESTIMATED TIMES OF ARRIVALTEST **THIS IS A TEST MESSAGE, ESTIMATED TIMES OF ARRIVALTEST **THIS IS A TEST MESSAGE, ESTIMATED TIMES OF ARRIVALTEST **THIS IS A TEST MESSAGE, ESTIMATED TIMES OF ARRIVALTEST **THIS IS A TEST MESSAGE, ESTIMATED TIMES OF ARRIVALTEST **THIS IS A TEST MESSAGE, ESTIMATED TIMES OF ARRIVALTEST **THIS IS A TEST MESSAGE, ESTIMATED TIMES OF ARRIVALTEST **THIS IS A TEST MESSAGE, ESTIMATED TIMES OF ARRIVALTEST **THIS IS A TEST MESSAGE, ESTIMATED TIMES OF ARRIVALTEST **THIS IS A TEST MESSAGE, ESTIMATED TIMES OF ARRIVALTEST **THIS IS A TEST MESSAGE, ESTIMATED TIME TIME TIME TIME TIME TIME TIME TIME	TEST RECOMMENDED A										
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SAN JUAN PUERTO RICO 18.5N 66.1W 1605 03/15	SAN JUAN	PUERTO RICO			1605 03/15						
MAYAGUANA BAHAMAS 22.3N 73.0W 1610 03/15	MAYAGUANA										

TEST... POTENTIAL IMPACTS ... TEST

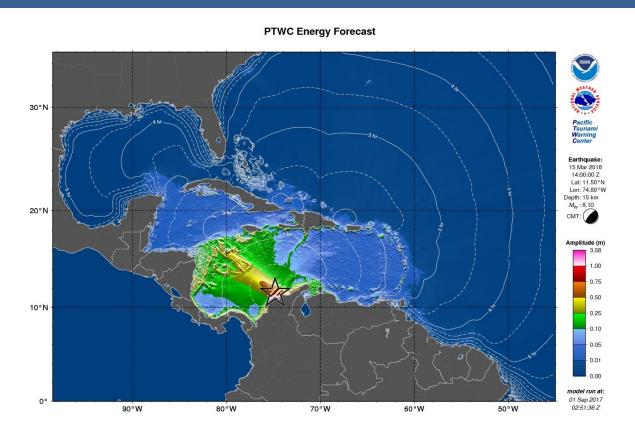
- * THIS IS A TEST MESSAGE. A TSUNAMI IS A SERIES OF WAVES. THE TIME BETWEEN WAVE CRESTS CAN VARY FROM 5 MINUTES TO AN HOUR. THE HAZARD MAY PERSIST FOR MANY HOURS OR LONGER AFTER THE INITIAL WAVE.
- * THIS IS A TEST MESSAGE. IMPACTS CAN VARY SIGNIFICANTLY FROM ONE SECTION OF COAST TO THE NEXT DUE TO 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 SWEPT 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.

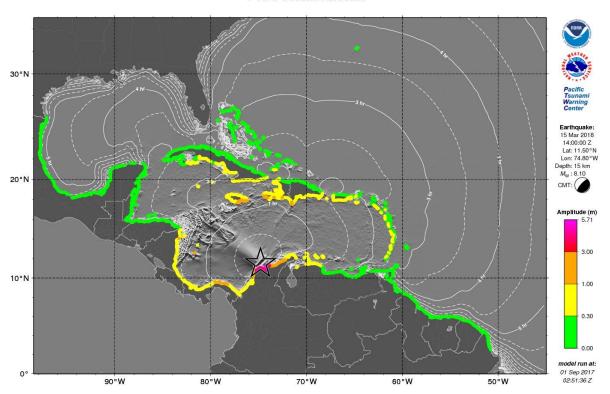
Energy Forecast for Tsunami Wave Heights Colombia



RIFT maximum amplitude map for the scenario for Colombia.

Coastal Forecast for Tsunami Wave Heights Colombia

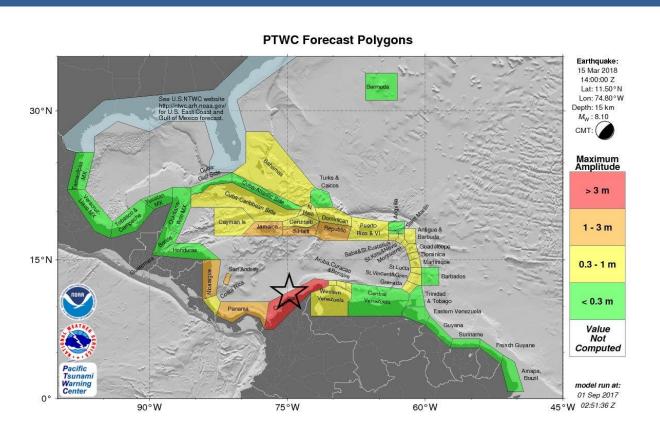




RIFT coastal tsunami amplitude map for the scenario for Colombia.

During a real event this product will only be made available to officially designated Tsunami Warning Focal Points and National Tsunami.

Polygons Forecast for Tsunami Wave Heights Colombia

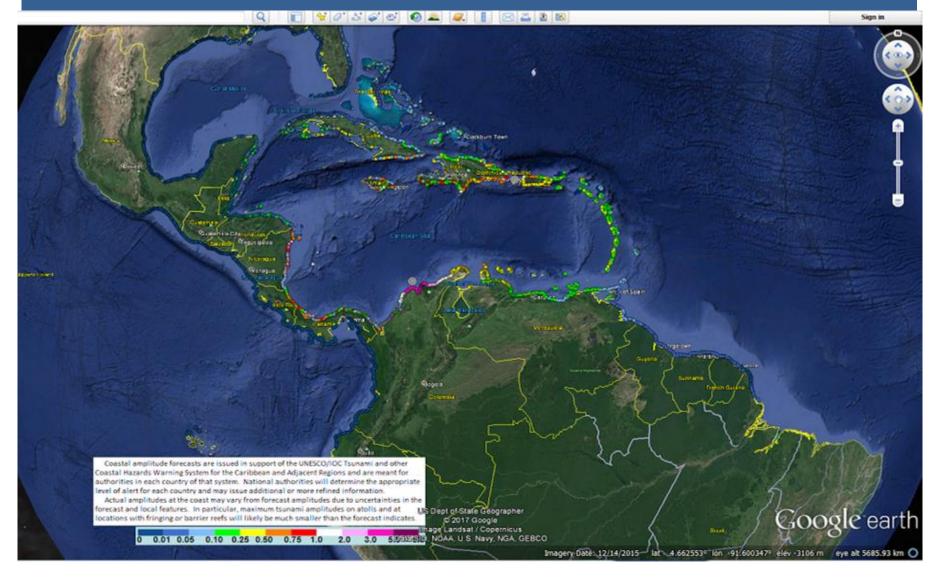


RIFT forecast polygons for the Caribbean region on the Colombia scenario.

During a real event this product will only be made available to officially designated Tsunami Warning Focal Points and National Tsunami Warning Centers.

KMZ

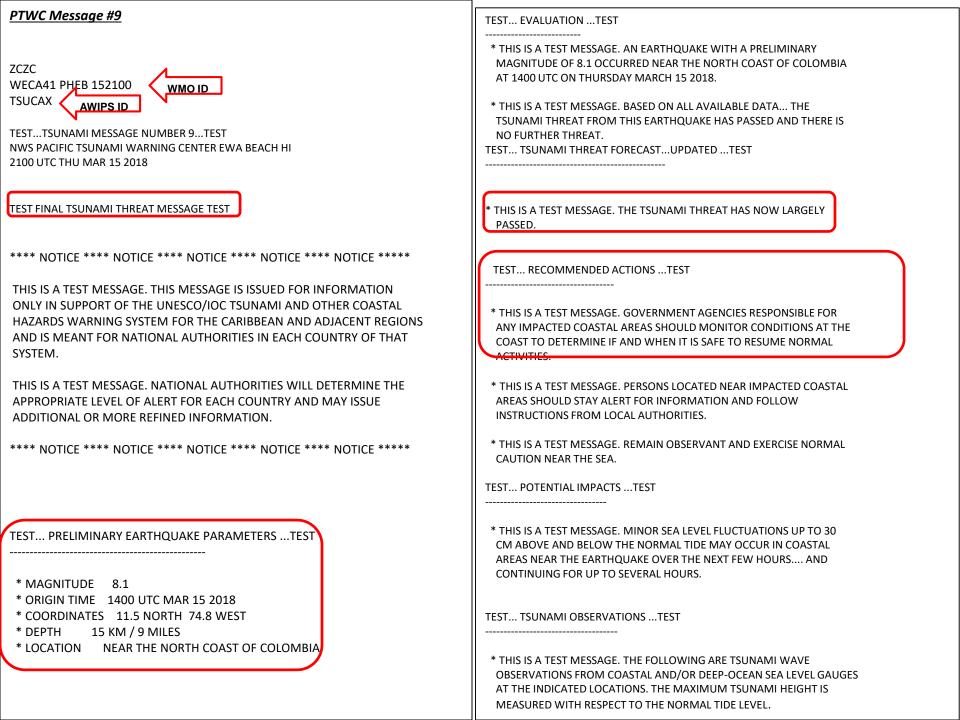
Colombia



Forecast Statistics for Regional Polygons* Colombia

	Coa	stal Forec	ast (meter:	5)	Off	shore Fore	cast (mete	ers)	Total
Region_Name	Maximum	Mean	Median	STD	Maximum	Mean	Median	STD	Points
Caribbean_Coast_of_Colombia	5.7	1.8	1	1.4	3.6	0.89	0.61	0.67	255
Caribbean_Coast_of_Haiti	1.4	0.85	0.83	0.15	0.69	0.34	0.32	0.12	89
Caribbean_Coast_of_Dominican_Republic	1.3	0.65	0.62	0.18	0.88	0.3	0.28	0.13	148
Jamaica	1.3	0.72	0.65	0.23	0.78	0.3	0.28	0.14	146
Caribbean_Coast_of_Panama	1.2	0.82	0.8	0.15	0.99	0.47	0.47	0.18	179
Caribbean_Coast_of_Nicaragua	1	0.73	0.73	0.11	0.56	0.28	0.28	0.11	139
San_Andres_and_Providencia	1	0.95	0.95	0.09	0.34	0.32	0.32	0.02	4
Caribbean_Coast_of_Costa_Rica	0.85	0.71	0.72	0.08	0.71	0.45	0.47	0.1	48
Caribbean_Coast_of_Cuba	0.77	0.37	0.35	0.13	0.4	0.1	0.1	0.06	423
Western_Coast_of_Venezuela	0.73	0.37	0.35	0.12	0.3	0.14	0.14	0.05	100
Gulf_of_Gonave_Coast_of_Haiti	0.69	0.45	0.44	0.09	0.47	0.16	0.14	0.08	140
Puerto_Rico_and_Virgin_Islands	0.59	0.28	0.31	0.13	0.34	0.12	0.11	0.06	190
Aruba	0.55	0.47	0.46	0.07	0.36	0.21	0.17	0.07	8
Saint_Vincent_and_the_Grenadines	0.51	0.31	0.32	0.06	0.2	0.11	0.11	0.03	33
Curacao	0.49	0.37	0.37	0.06	0.3	0.14	0.13	0.04	27
Bonaire	0.49	0.37	0.38	0.05	0.3	0.18	0.17	0.05	15
Martinique	0.47	0.27	0.25	0.09	0.17	0.1	0.09	0.03	41
Saint_Lucia	0.47	0.28	0.3	0.1	0.2	0.11	0.1	0.04	26
Saint_Kitts_and_Nevis	0.45	0.3	0.31	0.09	0.24	0.12	0.11	0.05	29
Cayman_Islands	0.42	0.34	0.34	0.03	0.21	0.15	0.14	0.03	9
Bahamas	0.41	0.05	0.02	0.07	0.29	0.02	0.01	0.04	443
Atlantic_Coast_of_Haiti	0.41	0.26	0.26	0.07	0.21	0.09	0.08	0.03	66
Montserrat	0.41	0.28	0.26	0.06	0.16	0.1	0.08	0.04	11
Guadeloupe	0.39	0.21	0.2	0.08	0.16	0.09	0.08	0.03	73
Dominica	0.39	0.25	0.26	0.07	0.17	0.08	0.07	0.03	31
Saba and Saint Eustatius	0.36	0.24	0.22	0.05	0.19	0.08	0.06	0.05	8
Atlantic_Coast_of_Dominican_Republic	0.34	0.11	0.09	0.06	0.36	0.06	0.04	0.06	129
Grenada	0.32	0.21	0.23	0.08	0.19	0.08	0.07	0.04	29
Antigua_and_Barbuda	0.3	0.15	0.09	0.08	0.13	0.08	0.08	0.03	28
Central Coast of Venezuela	0.29	0.17	0.15	0.06	0.22	0.07	0.06	0.03	238
Anguilla	0.29	0.22	0.23	0.06	0.17	0.12	0.12	0.03	8
Caribbean_Coast_of_Honduras	0.26	0.16	0.16	0.05	0.3	0.08	0.07	0.05	185
Atlantic_Coast_of_Cuba	0.25	0.06	0.05	0.06	0.15	0.02	0.01	0.02	259
Belize	0.24	0.15	0.15	0.03	0.16	0.04	0.03	0.03	90
Sint Maarten	0.23	0.22	0.22	0.01	0.13	0.11	0.11	0.02	6
Gulf of Mexico Coast of Cuba	0.22	0.04	0.03	0.04	0.05	0.01	0.01	0.01	122
Saint_Barthelemy	0.22	0.15	0.14	0.05	0.12	0.1	0.11	0.01	4
Quintana Roo Mexico	0.22	0.14	0.17	0.07	0.22	0.06	0.07	0.04	166
Saint Martin	0.22	0.22	0.22	0	0.13	0.12	0.12	0.01	3
Turks and Caicos Islands	0.13	0.06	0.06	0.02	0.06	0.03	0.03	0.01	46
Barbados	0.13	0.1	0.1	0.02	0.09	0.04	0.04	0.02	21
Caribbean_Coast_of_Guatemala	0.12	0.11	0.12	0.01	0.12	0.04	0.04	0.03	13
Trinidad and Tobago	0.11	0.07	0.08	0.03	0.07	0.03	0.03	0.01	77
Yucatan Mexico	0.07	0.02	0	0.03	0.02	0	0	0	59
Atlantic_Coast_of_Venezuela	0.06	0.05	0.04	0.01	0.02	0.01	0.01	0	82
Bermuda	0.06	0.05	0.05	0	0.05	0.03	0.03	0.01	8
Guyana	0.05	0.04	0.04	0.01	0.02	0.01	0.01	0	101
Suriname	0.03	0.03	0.03	0	0.02	0.01	0.01	0	109
French Guyane	0.03	0.01	0.01	0	0.01	0		_	84
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*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 small islands will likely be much smaller than the forecast indicates.



							TEST NEXT UPDATE AND ADDITIONAL INFORMATIONTEST
	COORDI		MEASURE	TSUNAMI		RIOD	
GAUGE LOCATION	LAT	LON	(UTC)	HEIGHT	(M	IIN)	
PUERTO MORELOS MX	21.4N	86.8W	1726	0.18M/ 0	 - 6 Р.Т	18	* THIS IS A TEST MESSAGE. THIS WILL BE THE FINAL STATEMENT
ISLA MUJERES		86.7W	1727	0.17M/ 0		28	
CEIBA CABOTAGE HN	15.8N		1722	0.09M/ 0		20	ISSUED FOR THIS EVENT UNLESS NEW INFORMATION IS RECEIVED OR
CARRIE BOW CAY BH	16.8N		1710	0.15M/ 0		22	THE SITUATION CHANGES.
PUERTO CORTES HN	15.8N	88.0W	1706	0.13M/ 0		26	
PUERTO MORELOS MX		86.9W	1700	0.21M/ 0		22	* THIS IS A TEST A 4500A OF A LITHODITATIVE IN 50 DA A TION A DOLLT THE
BRIDGEPORT BB		59.6W	1656	0.12M/ 0		24	* THIS IS A TEST MESSAGE. AUTHORITATIVE INFORMATION ABOUT THE
GANTERS BAY ST LUCI		61.0W	1654	0.34M/ 1		28	EARTHQUAKE FROM THE U.S. GEOLOGICAL SURVEY CAN BE FOUND ON
UTILA ISLAND HN	16.1N	86.9W	1654	0.14M/ 0	.4FT	14	THE INTERNET AT EARTHQUAKE.USGS.GOV/EARTHQUAKES -ALL IN
LE ROBERT MARTINIQU	14.7N	60.9W	1649	0.13M/ 0	.4FT	18	
SAINT MARTIN FR	18.1N	63.1W	1646	0.22M/ 0	.7FT	24	LOWERCASE LETTERS
DESIRADE GUADELOUPE	16.3N	61.1W	1649	0.13M/ 0	.4FT	26	
PRICKLEY BAY GD	12.0N	61.8W	1645	0.21M/ 0	.7FT	22	* THIS IS A TEST MESSAGE. FURTHER INFORMATION ABOUT THIS EVENT
POINT A PITRE GP	16.2N	61.5W	1643	0.13M/ 0	.4FT	22	MAY BE FOUND AT WWW.TSUNAMI.GOV.
ROATAN ISLAND HN	16.3N	86.5W	1643	0.11M/0	.4FT	26	IVIAT DE FOUND AT WWW.TSONAIVII.GOV.
LAMESHURBAYSTJOHNVI	18.3N	64.7W	1639	0.25M/0	.8FT	16	
CALLIAQUA VC	13.1N	61.2W	1636	0.34M/1	.1FT	22	* THIS IS A TEST MESSAGE. COASTAL REGIONS OF THE US GULF
FORT DE FRANCE MQ	14.6N	61.1W	1636	0.47M/1	.5FT	26	COAST US EAST COAST AND THE MARITIME PROVINCES OF
ROSEAU DM	15.3N	61.4W	1630	0.36M/1	.2FT	22	
LE PRECHEUR MARTINI	14.8N	61.2W	1627	0.31M/1	.OFT	18	CANADA SHOULD REFER TO U.S. NATIONAL TSUNAMI WARNING
DESHAIES GUADELOUPE	16.3N	61.8W	1631	0.32M/1		28	CENTER
BASSETERRE KN	17.3N		1629	0.22M/0	.7FT	24	MESSAGES THAT CAN BE FOUND AT WWW.TSUNAMI.GOV.
SAN JUAN PR	18.5N		1618	0.13M/0		26	141233/1023 111/11 G/114 BE 1 G G145 / 11 44444.13G14/11411.1GG 4.
CAP HAITIEN HT	19.8N		1611	0.13M/0		28	
ARECIBO PR	18.5N	66.7W	1609	0.13M/0		28	
GEORGE TOWN CY	19.3N		1603	0.25M/0		22	THIS IS A TEST MESSAGE. DO NOT TAKE ACTION BASED ON THIS TEST
ESPERANZA VIEQUES P			1603	0.39M/ 1		16	MESSAGE.
AGUADILLA PR	18.5N	67.2W	1601	0.29M/ 1		28	IVILOSAGE.
PORT SAN ANDRES DO	18.4N		1607	0.61M/ 2		22	
LIMETREE VI	17.7N		1606	0.36M/ 1		28	\$\$
ST CROIX VI	17.7N	64.7W	1600	0.24M/ 0		16	
CAJA DE MUERTOS PR	17.9N	66.5W	1600	0.47M/ 1		18	
MAGUEYES ISLAND PR	18.0N		1555	0.48M/ 1		20 24	
YABUCOA PR MAYAGUEZ PR	18.1N 18.2N	65.8W	1553 1558	0.38M/ 1 0.31M/ 1		26	
	17.9N		1549	1.04M/ 3		18	NNNN
PORT ROYAL JM PUNTA CANA DO	18.5N	68.4W	1551	0.40M/ 1		26	
LIMON CR	10.0N		1542	0.75M/2		26	
MONA ISLAND PR	18.1N		1545	0.75M/ 2		26	
BARAHONA DO	18.2N		1536	0.82M/ 2		20	
BULLEN BAY CURACAO	12.2N		1531	0.82M/ 2			
SAN ANDRES CO	12.6N		1529	0.92M/ 3			
DART 42407	15.3N		1521	0.05M/0			
SAPZURRO CO		77.4W	1521	0.67M/ 2			
PUERTO ESTRELLA CO	12.4N		1523	0.73M/ 2			
JACMEL HT	18.2N		1524	1.11M/ 3			
EL PORVENIR PA		78.9W	1513	1.00M/ 3			
COVENAS CO		76.2W	1510	0.82M/ 2			
SANTA MARTA CO	11.2N		1420	5.40M/17			

Puerto Rico Scenario

Message Chronology issued by the PTWC Puerto Rico

Date	Time (UTC)	PTWC				
		Type of Product	Transmission Method			
3/15/18	1400	Earthquake Occurs				
3/15/18	1400	Dummy	NWWS, GTS, EMWIN, AISR, Fax, Email			
3/15/18	1405	Tsunami Threat Message #1	Email			
3/15/18	1425	Tsunami Threat Message # 2 and Graphic Enhanced Products	Email			
3/15/18	1500	Tsunami Threat Message #3	Email			
3/15/18	1600	Tsunami Threat Message #4	Email			
3/15/18	1700	Tsunami Threat Message #5	Email			
3/15/18	1800	Tsunami Threat Message #6	Email			
3/15/18	1900	Tsunami Threat Message #7	Email			
3/15/18	2000	Tsunami Threat Message #8	Email			
3/15/18	2100	Final Tsunami Threat Message #9	Email			

PTWC Message #1

ZCZC
WECA41 PHEB 151405
TSUCAX
AWIPS ID

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

NWS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI

1405 UTC THU MAR 15 2018

...TEST TSUNAMI THREAT MESSAGE TEST...

**** 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 ****

TEST... PRELIMINARY EARTHQUAKE PARAMETERS ... TEST

- * MAGNITUDE 7.6
- * ORIGIN TIME 1400 UTC MAR 15 2018
- * COORDINATES 18.3 NORTH 67.8 WEST
- * DEPTH 10 KM / 6 MILES
- * LOCATION MONA PASSAGE

TEST... EVALUATION ...TEST

- * THIS IS A TEST MESSAGE. AN EARTHQUAKE WITH A PRELIMINARY MAGNITUDE OF 7.6 OCCURRED IN THE MONA PASSAGE AT 1400 UTC ON THURSDAY MARCH 15 2018.
- * THIS IS A TEST MESSAGE. BASED ON THE PRELIMINARY EARTHQUAKE PARAMETERS... HAZARDOUS TSUNAMI WAVES ARE POSSIBLE FOR COASTS LOCATED WITHIN 1000 KM OF THE EARTHQUAKE EPICENTER.

TEST... TSUNAMI THREAT FORECAST ... TEST

ALONG THE COASTS OF

* THIS IS A TEST MESSAGE. HAZARDOUS TSUNAMI WAVES FROM THIS EARTHQUAKE ARE POSSIBLE WITHIN 1000 KM OF THE EPICENTER

PUERTO RICO... DOMINICAN REP... US VIRGIN IS... BR VIRGIN IS... TURKS N CAICOS... HAITI... SABA... BONAIRE... SINT MAARTEN... SAINT KITTS... BAHAMAS... ANGUILLA... SINT EUSTATIUS... ARUBA... MONTSERRAT... CUBA... GUADELOUPE... DOMINICA... SAINT LUCIA... BARBUDA... SAINT MARTIN... MARTINIQUE... VENEZUELA... ANTIGUA... SAINT BARTHELEMY... CURACAO... SAINT VINCENT... GRENADA... JAMAICA AND COLOMBIA

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	COORD	INATES	ETA (UTC)	TEST POTENTIAL IMPACTSTEST
MAYAGUEZ	PUERTO RICO	18.2N	67.2W	1414 03/15	* THIS IS A TEST MESSAGE. A TSUNAMI IS A SERIES OF WAVES. THE
CABO ENGANO	DOMINICAN REP	18.6N	68.3W	1426 03/15	TIME BETWEEN WAVE CRESTS CAN VARY FROM 5 MINUTES TO AN HOUR.
SAN JUAN	PUERTO RICO	18.5N	66.1W	1428 03/15	
SANTO DOMINGO	DOMINICAN REP	18.5N	69.9W	1437 03/15	THE HAZARD MAY PERSIST FOR MANY HOURS OR LONGER AFTER THE
PUERTO PLATA	DOMINICAN REP	19.8N	70.7W	1442 03/15	INITIAL WAVE.
CHRISTIANSTED	US VIRGIN IS	17.7N		1442 03/15	
ANEGADA	BR VIRGIN IS	18.8N		1453 03/15	* THIS IS A TEST MESSAGE. IMPACTS CAN VARY SIGNIFICANTLY FROM
GRAND TURK	TURKS N CAICOS		71.1W	1454 03/15	ONE SECTION OF COAST TO THE NEXT DUE TO LOCAL BATHYMETRY AND
JACAMEL	HAITI		72.5W	1458 03/15	THE SHAPE AND ELEVATION OF THE SHORELINE.
CAP HAITEN	HAITI	19.8N		1459 03/15	THE SHAFE AND ELEVATION OF THE SHOKELINE.
SABA	SABA	17.6N		1503 03/15	
ONIMA	BONAIRE	12.3N		1504 03/15	* THIS IS A TEST MESSAGE. IMPACTS CAN ALSO VARY DEPENDING UPON
SIMPSON BAAI	SINT MAARTEN	18.0N		1508 03/15	THE STATE OF THE TIDE AT THE TIME OF THE MAXIMUM TSUNAMI
	TURKS N CAICOS		72.5W	1509 03/15	WAVES.
BASSETERRE	SAINT KITTS	17.3N		1509 03/15	
MAYAGUANA	BAHAMAS	22.3N		1509 03/15	* THIS IS A TEST MESSAGE. PERSONS CAUGHT IN THE WATER OF A
THE VALLEY	ANGUILLA	18.3N 17.5N		1510 03/15	
SINT EUSTATIUS ORANJESTAD	SINT EUSTATIUS ARUBA		70.0W	1510 03/15	TSUNAMI MAY DROWN BE CRUSHED BY DEBRIS IN THE WATER OR
	MONTSERRAT	16.7N		1512 03/15 1512 03/15	BE SWEPT OUT TO SEA.
BARACOA	CUBA		74.5W	1518 03/15	
BASSE TERRE	GUADELOUPE	16.0N		1519 03/15	TEST NEXT UPDATE AND ADDITIONAL INFORMATION TEST
GREAT INAGUA	BAHAMAS	20.9N		1519 03/15	
CHARLOTTE AMALI		18.3N		1522 03/15	* THE IC A TECT MECCACE THE NEVT MECCACE MILL DE ICCHED IN
ROSEAU	DOMINICA	15.3N		1522 03/15	* THIS IS A TEST MESSAGE. THE NEXT MESSAGE WILL BE ISSUED IN
SAN SALVADOR	BAHAMAS	24.1N		1525 03/15	ONE HOUR OR SOONER IF THE SITUATION WARRANTS.
CASTRIES	SAINT LUCIA	14.0N		1530 03/15	
JEREMIE	HAITI	18.6N		1530 03/15	* THIS IS A TEST MESSAGE. AUTHORITATIVE INFORMATION ABOUT THE
	BARBUDA	17.6N		1530 03/15	EARTHQUAKE FROM THE U.S. GEOLOGICAL SURVEY CAN BE FOUND ON
BAIE LUCAS	SAINT MARTIN	18.1N	63.0W	1531 03/15	THE INTERNET AT EARTHQUAKE.USGS.GOV/EARTHQUAKES -ALL IN
FORT DE FRANCE	MARTINIQUE	14.6N	61.1W	1532 03/15	·
BAIE GRAND CASE	SAINT MARTIN	18.1N	63.1W	1532 03/15	LOWERCASE LETTERS
SANTIAGO D CUBA	CUBA	19.9N	75.8W	1533 03/15	
LONG ISLAND	BAHAMAS	23.3N	75.1W	1534 03/15	* THIS IS A TEST MESSAGE. FURTHER INFORMATION ABOUT THIS EVENT
MAIQUETIA	VENEZUELA	10.6N	67.0W	1535 03/15	MAY BE FOUND AT WWW.TSUNAMI.GOV.
GIBARA	CUBA	21.1N	76.1W	1536 03/15	
SAINT JOHNS	ANTIGUA	17.1N	61.9W	1536 03/15	* THIS IS A TEST MESSAGE, COASTAL REGIONS OF THE US GULF
SAINT BARTHELEM	SAINT BARTHELEMY	17.9N	62.8W	1536 03/15	
WILLEMSTAD	CURACAO	12.1N	68.9W	1537 03/15	COAST US EAST COAST AND THE MARITIME PROVINCES OF
KINGSTOWN	SAINT VINCENT	13.1N	61.2W	1538 03/15	CANADA SHOULD REFER TO U.S. NATIONAL TSUNAMI WARNING CENTER
CROOKED ISLAND	BAHAMAS	22.7N		1544 03/15	MESSAGES THAT CAN BE FOUND AT WWW.TSUNAMI.GOV.
BAIE BLANCHE	SAINT MARTIN	18.1N		1547 03/15	
SAINT GEORGES	GRENADA	12.0N		1556 03/15	THIS IS A TEST MESSAGE. DO NOT TAKE ACTION BASED ON THIS TEST
CUMANA	VENEZUELA	10.5N		1559 03/15	MESSAGE.
ROADTOWN	BR VIRGIN IS	18.4N	64.6W	1608 03/15	IVILOUAGE.
KINGSTON	JAMAICA	17.9N		1614 03/15	
RIOHACHA	COLOMBIA	11.6N		1617 03/15	\$\$
PORT AU PRINCE	HAITI		72.4W	1623 03/15	
PUNTO FIJO	VENEZUELA	11.7N		1737 03/15	NNNN
	VENEZUELA	11.4N		1836 03/15	
PORLAMAR	VENEZUELA	10.9N	03.8W	1919 03/15	

PTWC Message #2

ZCZC
WECA41 PHEB 151425
TSUCAX AWIPS ID

WMO ID

TEST...TSUNAMI MESSAGE NUMBER 2...TEST
NWS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI
1425 UTC THU MAR 15 2018

...TEST TSUNAMI THREAT MESSAGE TEST...

**** 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 ****

TEST... PRELIMINARY EARTHQUAKE PARAMETERS ... TEST

* MAGNITUDE 7.6

- * ORIGIN TIME 1400 UTC MAR 15 2018
- * COORDINATES 18.3 NORTH 67.8 WEST
- * DEPTH 10 KM / 6 MILES
- * LOCATION MONA PASSAGE

TEST... EVALUATION ... TEST

- * THIS IS A TEST MESSAGE. AN EARTHQUAKE WITH A PRELIMINARY MAGNITUDE OF 7.6 OCCURRED IN THE MONA PASSAGE AT 1400 UTC ON THURSDAY MARCH 15 2018.
- * THIS IS A TEST MESSAGE. TSUNAMI WAVES HAVE BEEN OBSERVED.
- * THIS IS A TEST MESSAGE. BASED ON ALL AVAILABLE DATA...
 HAZARDOUS TSUNAMI WAVES ARE FORECAST FOR SOME COASTS.

TEST... TSUNAMI THREAT FORECAST ... TEST

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

PUERTO RICO AND VIRGIN ISLANDS.

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

DOMINICAN REPUBLIC.

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

COLOMBIA... VENEZUELA... ANGUILLA... ARUBA... BONAIRE... CURACAO... GRENADA... AND SAINT VINCENT AND THE GRENADINES.

- * 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	170
MAYAGUEZ	PUERTO RICO		
CABO ENGANO	DOMINICAN REP	18.6N 68.3W	1426 03/15
SAN JUAN	PUERTO RICO	18.5N 66.1W	1428 03/15
SANTO DOMINGO	DOMINICAN REP	18.5N 69.9W	1437 03/15
PUERTO PLATA	DOMINICAN REP	19.8N 70.7W	1442 03/15
CHRISTIANSTED	US VIRGIN IS	17.7N 64.7W	1442 03/15
ANEGADA	BR VIRGIN IS	18.8N 64.3W	1453 03/15
ONIMA	BONAIRE	12.3N 68.3W	1504 03/15
THE VALLEY	ANGUILLA	18.3N 63.1W	1510 03/15
ORANJESTAD	ARUBA	12.5N 70.0W	1512 03/15
CHARLOTTE AMALI	US VIRGIN IS	18.3N 64.9W	1522 03/15
WILLEMSTAD	CURACAO	12.1N 68.9W	1537 03/15
KINGSTOWN	SAINT VINCENT	13.1N 61.2W	1538 03/15
SANTA MARTA	COLOMBIA	11.2N 74.2W	1548 03/15
SAINT GEORGES	GRENADA	12.0N 61.8W	1556 03/15
CARTAGENA	COLOMBIA	10.4N 75.6W	1604 03/15
ROADTOWN	BR VIRGIN IS	18.4N 64.6W	1608 03/15
BARRANQUILLA	COLOMBIA	11.1N 74.9W	1612 03/15
RIOHACHA	COLOMBIA	11.6N 72.9W	1617 03/15
PUNTA CARIBANA	COLOMBIA	8.6N 76.9W	1647 03/15
PUNTO FIJO	VENEZUELA	11.7N 70.2W	1737 03/15
GOLFO VENEZUELA	VENEZUELA	11.4N 71.2W	1836 03/15

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 SWEPT OUT TO SEA.

TEST... TSUNAMI OBSERVATIONS ... TEST

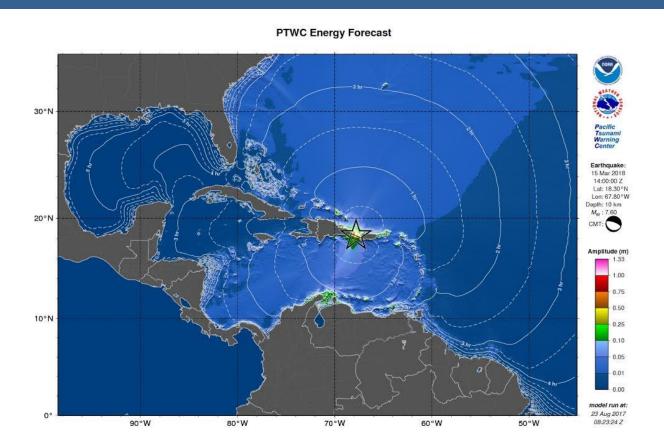
* THIS IS A TEST MESSAGE. THE FOLLOWING ARE TSUNAMI WAVE OBSERVATIONS FROM COASTAL AND/OR DEEP-OCEAN SEA LEVEL GAUGES AT THE INDICATED LOCATIONS. THE MAXIMUM TSUNAMI HEIGHT IS MEASURED WITH RESPECT TO THE NORMAL TIDE LEVEL.

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.

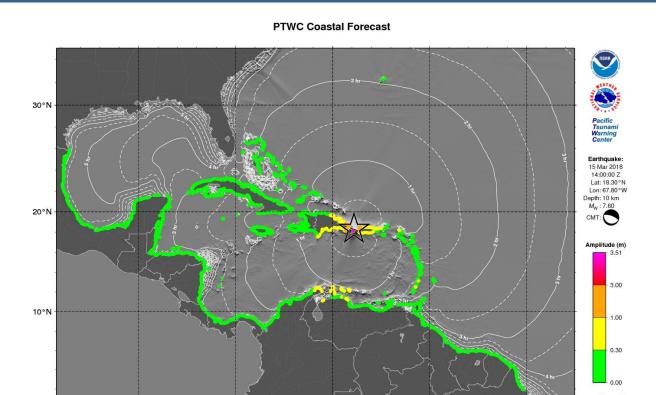
Energy Forecast for Tsunami Wave Heights Puerto Rico



RIFT maximum amplitude map for the scenario for Puerto Rico.

During a real event this product will only be made available to officially designated Tsunami Warning Focal Points and National Tsunami Warning Centers.

Coastal Forecast for Tsunami Wave Heights Puerto Rico



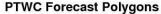
RIFT coastal tsunami amplitude map for the scenario for Puerto Rico.

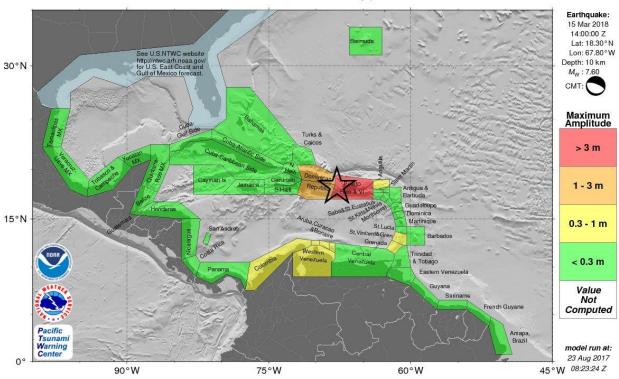
08:23:24 Z

90°W

During a real event this product will only be made available to officially designated Tsunami Warning Focal Points and National Tsunami.

Polygons Forecast for Tsunami Wave Heights Puerto Rico

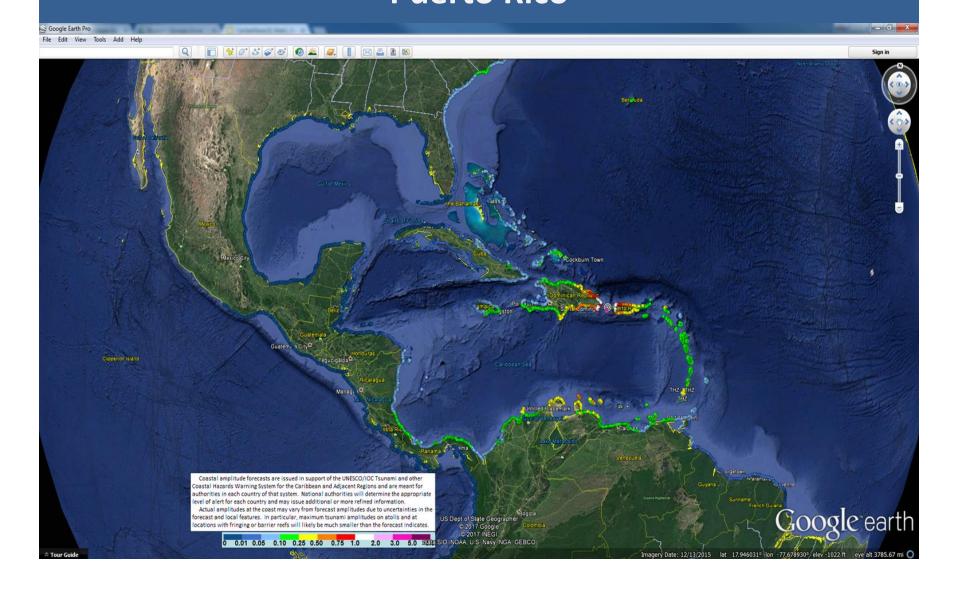




RIFT forecast polygons for the Caribbean region on the Puerto Rico scenario.

During a real event this product will only be made available to officially designated Tsunami Warning Focal Points and National Tsunami Warning Centers.

KMZ Puerto Rico



Forecast Statistics for Regional Polygons* Puerto Rico

	Coasta	Foreca	st (meters	:)	Offshore	Foreca	st (meter	s)	Total
Region Name	Maximum				Maximum			STD	Points
Puerto Rico and Virgin Islands	3.5	0.59	0.42	0.56	1.3	0.3	0.23	0.24	190
Atlantic_Coast_of_Dominican_Republic	1.5	0.48	0.4	0.34	1.3	0.27	0.2	0.24	129
Caribbean_Coast_of_Dominican_Republic	1.3	0.49	0.41	0.27	1	0.24	0.19	0.18	148
Curacao	0.62	0.39	0.36	0.13	0.36	0.14	0.13	0.06	27
Aruba	0.61	0.53	0.54	0.06	0.38	0.24	0.22	0.09	8
Caribbean_Coast_of_Colombia	0.49	0.16	0.14	0.09	0.3	0.09	0.08	0.06	255
Western_Coast_of_Venezuela	0.45	0.28	0.26	0.06	0.39	0.19	0.19	0.07	100
Bonaire	0.43	0.36	0.35	0.06	0.52	0.23	0.18	0.12	15
Grenada	0.33	0.2	0.22	0.09	0.22	0.1	0.07	0.05	29
Saint_Vincent_and_the_Grenadines	0.32	0.22	0.22	0.05	0.19	0.09	0.08	0.04	33
Anguilla	0.31	0.28	0.29	0.03	0.31	0.18	0.17	0.06	8
Turks_and_Caicos_Islands	0.27	0.16	0.15	0.06	0.15	0.07	0.07	0.03	46
Central_Coast_of_Venezuela	0.26	0.15	0.14	0.05	0.2	0.08	0.08	0.04	238
Saint Kitts and Nevis	0.26	0.2	0.19	0.04	0.18	0.08	0.07	0.04	29
Saba_and_Saint_Eustatius	0.22	0.18	0.16	0.03	0.07	0.05	0.05	0.01	8
Saint_Lucia	0.22	0.16	0.17	0.04	0.11	0.06	0.06	0.02	26
Antigua_and_Barbuda	0.21	0.12	0.1	0.05	0.17	0.08	0.09	0.04	28
Caribbean_Coast_of_Haiti	0.21	0.14	0.14	0.03	0.11	0.05	0.05	0.02	89
Montserrat	0.21	0.17	0.16	0.03	0.1	0.06	0.05	0.02	11
Bermuda	0.21	0.2	0.2	0.01	0.23	0.13	0.12	0.06	8
Guadeloupe	0.2	0.15	0.15	0.03	0.12	0.06	0.05	0.02	73
Sint_Maarten	0.19	0.18	0.18	0.01	0.13	0.1	0.09	0.02	6
Saint_Martin	0.19	0.19	0.19	0	0.15	0.12	0.13	0.02	3
Saint_Barthelemy	0.18	0.14	0.14	0.02	0.11	0.1	0.1	0.01	4
Martinique	0.18	0.14	0.15	0.03	0.16	0.07	0.06	0.03	41
Atlantic_Coast_of_Haiti	0.17	0.11	0.11	0.04	0.1	0.04	0.04	0.02	66
Caribbean_Coast_of_Costa_Rica	0.17	0.12	0.11	0.02	0.13	0.08	0.07	0.02	48
Dominica	0.17	0.14	0.14	0.02	0.14	0.04	0.04	0.02	31
Jamaica	0.16	0.08	0.06	0.04	0.19	0.04	0.03	0.02	146
Caribbean_Coast_of_Panama	0.16	0.1	0.1	0.03	0.12	0.06	0.06	0.03	179
Atlantic_Coast_of_Cuba	0.12	0.04	0.05	0.03	0.05	0.01	0.01	0.01	259
Bahamas	0.11	0.05	0.05	0.02	0.13	0.03	0.02	0.02	443
Barbados	0.11	0.08	0.08	0.02	0.06	0.03	0.03	0.01	21
Caribbean_Coast_of_Nicaragua	0.1	0.07	0.07	0.01	0.06	0.02	0.02	0.01	139
Trinidad_and_Tobago	0.09	0.07	0.07	0.02	0.09	0.04	0.04	0.01	77
Caribbean_Coast_of_Cuba	0.09	0.03	0.03	0.02	0.06	0.01	0.01	0.01	423
Gulf_of_Gonave_Coast_of_Haiti	0.07	0.05	0.05	0.01	0.06	0.02	0.01	0.01	140
Atlantic_Coast_of_Venezuela	0.06	0.05	0.05	0	0.05	0.01	0.01	0.01	82
San_Andres_and_Providencia	0.05	0.05	0.05	0	0.02	0.02	0.02	0	4
Guyana	0.04	0.03	0.03	0.01	0.03	0.01	0.01	0.01	101
Suriname	0.03	0.02	0.02	0	0.03	0.01	0.01	0	109
French_Guyane	0.03	0.01	0.01	0	0.03	0.01	0	0	84
Cayman_Islands	0.03	0.02	0.03	0	0.02	0.01	0.01	0	9
Quintana_Roo_Mexico	0.02	0.01	0.01	0	0.02	0	0	0	166
Gulf_of_Mexico_Coast_of_Cuba	0.02	0	0	0	0.01	0	0	0	122
Caribbean_Coast_of_Honduras	0.01	0.01	0.01	0	0.01	0	0	0	185
Belize	0.01	0.01	0.01	0	0.01	0	0	0	90
Amapa_Brazil	0.01	0.01	0.01	0	0.01	0	0	0	83

*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 small islands will likely be much smaller than the forecast indicates.

PTWC Message #9	TEST EVALUATIONTEST
ZCZC WECA41 PLEB 152100 TSUCAX AWIPS ID TESTTSUNAMI MESSAGE NUMBER 9TEST NWS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI 2100 UTC THU MAR 15 2018 TEST FINAL TSUNAMI THREAT MESSAGE TEST **** NOTICE **** NOTICE **** NOTICE **** NOTICE ****	* THIS IS A TEST MESSAGE. AN EARTHQUAKE WITH A PRELIMINARY MAGNITUDE OF 7.6 OCCURRED IN THE MONA PASSAGE AT 1400 UTC ON THURSDAY MARCH 15 2018. * 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 FORECASTUPDATEDTEST * THIS IS A TEST MESSAGE. THE TSUNAMI THREAT HAS NOW LARGELY PASSED.
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 ******	TEST RECOMMENDED ACTIONSTEST * 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
TEST PRELIMINARY EARTHQUAKE PARAMETERS TEST	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 IMPACTSTEST

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

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NNNN

Member State Participation – The *Tsunami*Zone Registration

Tsunami Zone Registration is used to track the number of people and organizations participating in the exercise.

Follow @thetsunamizone 794 followers



TWFP and NTWC should register on Tsunami Zone to be part of the statistical count. Independent of registering, they will receive the simulated bulletins from PTWC.

Each member state needs to decide how to promote and handle registration.



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 <u>registering</u> your 2018 tsunami preparedness activities!

2018 OFFICIAL ACTIVITIES

March 11-17

Puerto Rico, U.S. Virgin Islands, CARIBE WAVE 2018 (March 15)

March

Alaska & California

April

Guam, Hawaii & Washington

September 24-30 American Samoa

October

Oregon & Washington

November 5

World Tsunami Awareness Day

Over 820,000 participants registered



https://www.tsunamizone.org/

Countries can keep track of registration by clicking on « Who is Participating »



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 01/23/2018 11:25 AM PST.

Category Participants		Participation totals for each area	Total
Total:	634	California	10
Individuals/Families	47	North Coast	0
Childcare and Pre-Schools	0	Shasta Cascade	0
K-12 Schools and Districts	0	Bay Area	8
Colleges and Universities	0	Delta Sierra	0
Local Government	100	<u>Inyo-Mono</u>	0
State Government	0	Central Valley South	0
Federal Government (Including Military)	10	Central Coast	1
Tribes	0	Southern California Coast	1
Businesses	0	Inland Southern California	0
Hotels and Other Lodgings	0	San Diego	0
<u>Healthcare</u>	360	Other Areas	0
Senior Facilities/Communities	0	Caribbean	614
Disability/AFN Organizations	0		
Non-Profit Organizations	100	Anguilla	0
Neighborhood Groups	0	Antigua and Barbuda	0
Preparedness Organizations	17	<u>Aruba</u>	_
Faith-based Organizations	0	<u>Bahamas</u>	0
Museums, Libraries, Parks, etc.	0	<u>Barbados</u>	0
Volunteer/Service Clubs	0	Belize	0
Youth Organizations	0	Bermuda Barasias	0
Animal Shelter/Service Providers	0	Bonaire	0
Agriculture/Livestock	0	<u>Brazil</u>	0
Volunteer Radio Groups	0	British Virgin Islands	0
Science/Engineering Organizations	0	Cayman Islands	0
Media Organizations	0	<u>Colombia</u>	0
Other	0	Costa Rica	0
		<u>Cuba</u>	0
		<u>Curacao</u>	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 01/23/2018 11:25 AM PST.

Category	Participants	Participation totals for each area
Total:	614	<u>Anguilla</u>
		Anguilla Antigua and Barbuda Aruba Bahamas Barbados Belize Bermuda Bonaire Brazil British Virgin Islands Cayman Islands Colombia Costa Rica Cuba Curacao Dominican Republic France Grenada Guadeloupe Guatemala
Animal Shelter/Service Providers Agriculture/Livestock Volunteer Radio Groups	0 0	<u>Guyana</u> <u>Guyane</u> <u>Haiti</u> <u>Honduras</u>
Science/Engineering Organizations Media Organizations Other	0	Jamaica <u>Martinique</u> <u>Mexico</u>

NON-PROFIT ORGANIZATIONS REGISTERED IN 2018

tilt public 144 rue de tocqueville 75017 paris Tilt public, saint martin, Saint Martin

HEALTHCARE FACILITIES REGISTERED IN 2018

Centre Hospitalier Universitaire de Pointe a Pitre
Centre Hospitalier Louis Constant FLEMING SAINT MARTIN
French West Indies, MAR/GOT, Saint Martin

Guyana	U	
Guyane	0	
<u>Haiti</u>	0	
Honduras	0	
<u>Jamaica</u>	0	
Martinique	0	
Mexico	0	
Montserrat	0	
Netherlands	0	
Nicaragua	0	
<u>Panama</u>	2	
Puerto Rico	0	
Saba	0	
Saint Barthelemy	0	
Saint Kitts and Nevis	0	
Saint Lucia	0	
Saint Martin	110	
Saint Vincent and the Grenadines	0	
Sint Eustatius	0	
Sint Maarten	0	
Suriname	0	
Trinidad and Tobago	0	
Turks and Caicos Islands	0	
U.S. Virgin Islands	3	
Venezuela	121	

Total

0

Resources

- IOC Manuals "<u>How to plan, conduct and evaluate</u> <u>tsunami exercises</u>" and "<u>Module on Tsunami Exercise</u>" which will also be useful resources.
- CARIBE WAVE 2011, 2013, 2014, 2015, 2016 and 2017 Handbooks
- CARIBE WAVE 2013, 2014, 2015, 2016 and 2017 Final and Media Report.
- PTWC Communications Plan for the Caribbean
- Available at <u>www.caribewave.info</u>
- Questions on the exercise can be addressed to the members of the CARIBE WAVE 18 Task Team

Additional Info

- Additional materials will be added to CTWP (<u>www.caribewave.info</u>) and PRSN websites.
- Send links of other national pages to <u>christa.vonh@noaa.gov</u> to include on CTWP and PRSN websites
- This presentation is available on CTWP website

CARIBE WAVE 18 Task Team

Person	Telephone #	Email
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Timeline

ACTION	DUE DATE			
Draft Circulated among ICG CARIBE EWS TNC/TWFP	√Aug 2017			
Deadline for Comments	✓ Sep 2017			
Final Exercise Handbook Available Online	√Oct 2017			
Circular Letter Issued by IOC to MS	√Nov 2017			
1 st Webinar CW	23 - Jan- 2018 -English 24 - Jan- 2018 -Spanish 25 - Jan- 2018 –French			
2 nd Webinar CW	27- Feb- 2018 -English 28- Feb- 2018 -Spanish 1- Mar- 2018 –French			
Deadline for Countries Indicate Selected Scenario	March 2, 2018			
Exercise	15-Mar-2018			
Exercise Evaluation Due	4-Apr-2018			
Draft Final CARIBE WAVE Caribe 18 Report				

Questions, Comments

Thank you for participating

christa.vonh@noaa.gov