



CARIBE WAVE 21

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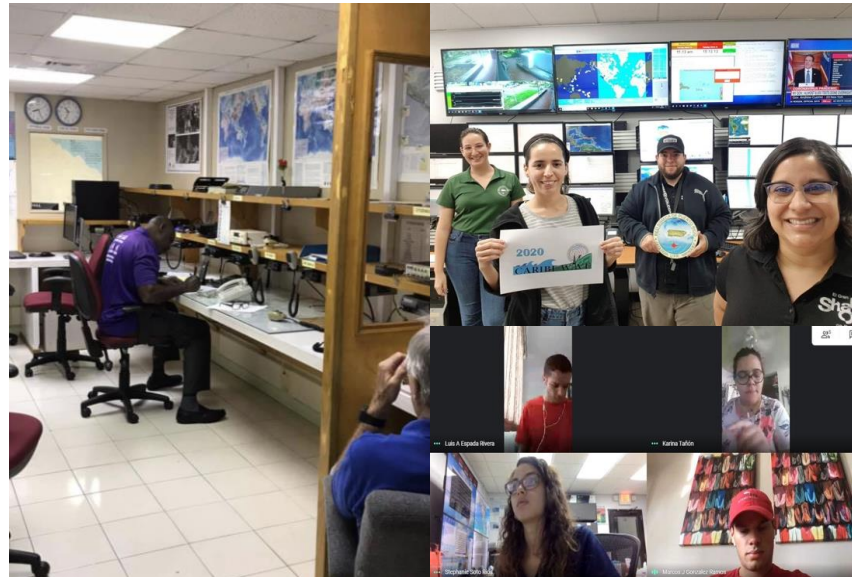
28 Janvier 2021

CARIBE WAVE 2020

Caribe Wave 20 s'est déroulé dans des circonstances de pandémie le 19 mars 2020. L'exercice s'est concentré uniquement sur la partie test de communication pour valider l'émission et la réception des messages diffusés par le PTWC.

Dans les Caraïbes et régions adjacentes, 44 États membres et territoires ont participé à cet exercice, avec un total de 4,622 personnes engagées.

- La participation des États membres représente un taux de 92% (contre 100% en 2019).



Objectifs Caribe Wave 21

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.

Métriques

Objectifs	2016 Résultat	2017 Résultat	2018 Résultat	2019 Résultat	2020 Métrique	2020 Résultat	2021 Métrique
TWP reçoit le message fictif	84%	95%	100%	89%	100%	97%	100%
Participation des états membres du ICG CARIBE EWS avec des points focaux d'alerte aux tsunamis	100%	100%	97%	100%	100%	92%	100%
Participation de la communauté (au-delà de TWFP)	73%	82%	77%	66%	95%	38%	95%
Nombre du participants	332,812	679,985	643,403	793,353	+10%	4,622	+10% (2019)
Pays soumettant le questionnaire sur l'exercice	100%	100%	91%	82%	100%	92%	100%
Les États et territoires membres sont satisfaits de l'exercice				82%	100%	76%	100%

Manuel de l'Exercice

- Disponible en ligne en anglais sur le lien suivant, 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 21

[Weather.gov](#) > [Caribbean Tsunami Warning Program](#) > CARIBE WAVE 21

Caribbean Tsunami Warning Program
National Program

[Sea Level Stations](#) [Seismic Stations](#) [CARIBE EWS](#) [Preparedness/Education](#) [CARIBE WAVE](#) [About CTWP](#)

The Tsunami Exercise CARIBE WAVE 21 will be on **March 11, 2021**

Select the scenario for your Member State [here!](#)

Register in TsunamiZone [here!](#)

Registration for Webinars: [English](#) | [Español](#) | [Français](#)

Exercise Documents

- Participant Handbook - [PDF](#)
- IOC Circular Letter - [PDF](#)

Supporting Documents

- Jamaica scenario - [KMZ](#)
- Northern Lesser Antilles scenario - [KMZ](#)
- PTWC Enhanced Products User's Guide - [PDF](#)
- Experts Meeting on Sources of Tsunamis in the Lesser Antilles - [PDF](#)
- Multi-Annual Community Tsunami Exercise Programme - [PDF](#)

Webinars

- Webinar 1
 - English (January 28, 2021) - [video](#) | [PDF](#)
 - Español (27 de enero de 2021) - [video](#) | [PDF](#)
 - Français (28 janvier 2021)
- Webinar 2
 - English (February 23, 2021)
 - Español (24 de febrero de 2021)
 - Français (25 février 2021)

Additional Resources

- [US Tsunami Warning System](#)
- [UNESCO IOC](#)
- [Puerto Rico Seismic Network](#)
- [NOAA Tsunami Program](#)
- [TsunamiZone](#)

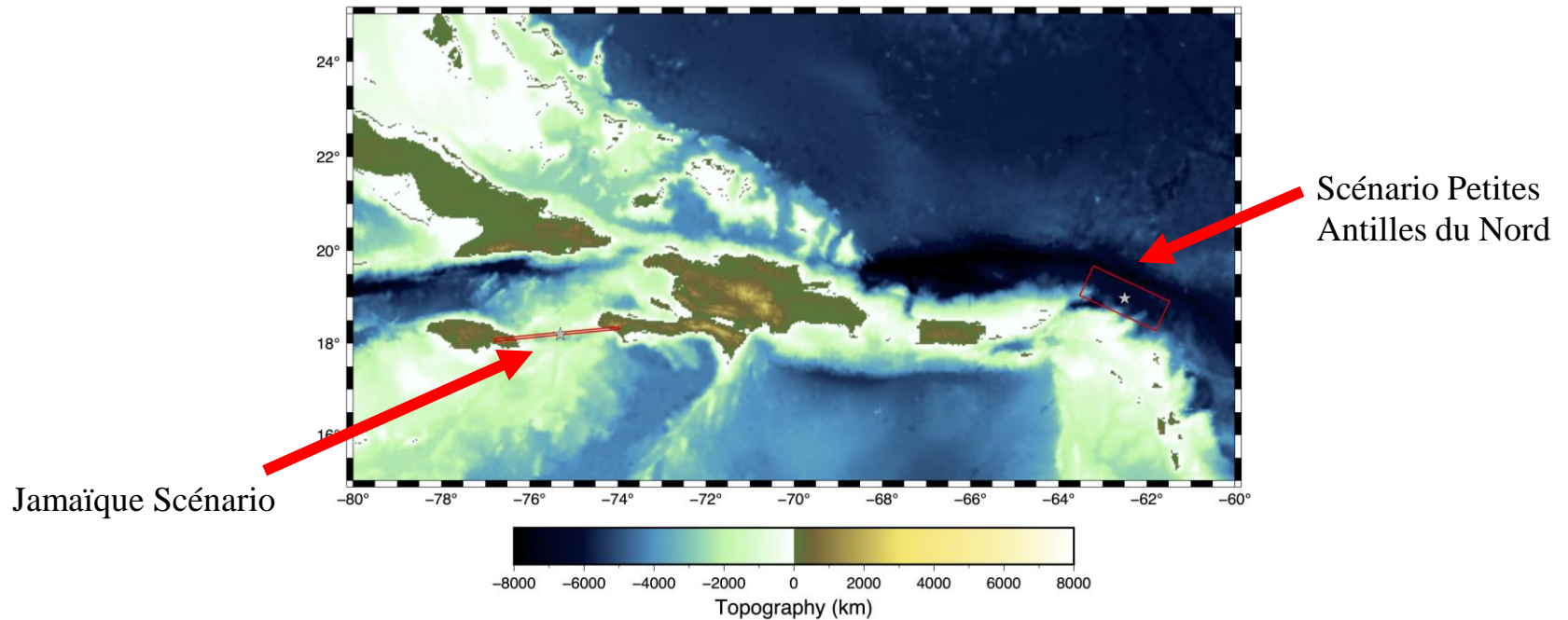
CARIBE WAVE 21 Scenarios by Member State/Territory

*scenarios decided by Caribe Wave organizers per Exercise Handbook

Jamaica	Northern Lesser Antilles
Cayman Islands	Aruba
Colombia	Brazil
Costa Rica	British Virgin Islands*
Guyana	Guyana
Jamaica	Puerto Rico*
Mexico	US Virgin Islands*
Nicaragua	Trinidad and Tobago
Panama	

CARIBE WAVE 21

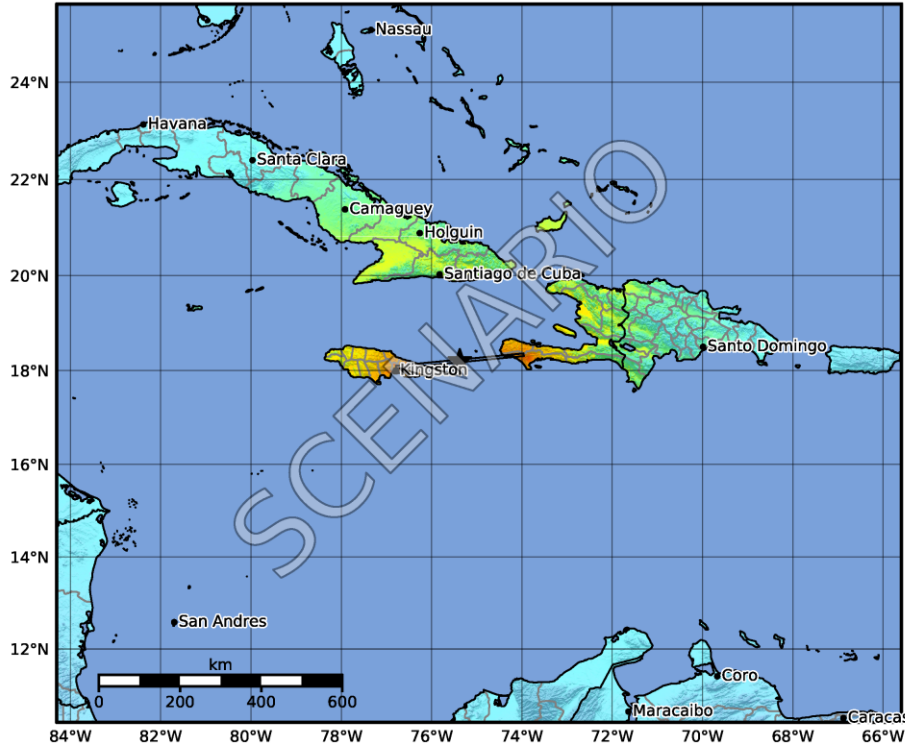
Carte Scénarios



Scène	Temps d'origine	Mw	Épicentre
Jamaïque	14:00:00 UTC 11 mars 2021	8.0	18.2°N, 75.3°W
Petites Antilles du Nord		8.5	18.9°N, 62.4°W

Scénario d'impact sismique Jamaica

Macroseismic Intensity Map
USGS ShakeMap: Jamaica
Jan 31, 2019 00:00:00 UTC M8.0 N18.20 W75.38 Depth: 25.0km
ID:Jamaica_CaribeWave_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+

Scale based on Worden et al. (2012)

Version 1: Processed 2019-10-21T20:57:40Z

△ Seismic Instrument ○ Reported Intensity

★ Epicenter □ Rupture



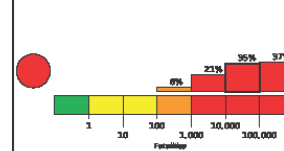
Earthquake Shaking ● Red Alert



M 8.0, Scenario Jamaica

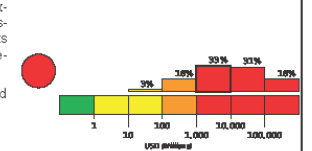
Origin Time: 2019-01-31 00:00:00 UTC (Wed 19:00:00 local)
Location: 18.2030° N 75.3760° W Depth: 25.0 km
FOR TSUNAMI INFORMATION, SEE: [tsunami.gov](#)

Estimated Fatalities



Red alert for shaking-related fatalities and economic losses. High casualties and extensive damage are probable and the disaster is likely widespread. Past red alerts have required a national or international response. Estimated economic losses may exceed the GDP of Jamaica.

Estimated Economic Losses



Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	-*	11,836k*	17,632k	15,621k	6,214k	1,455k	1,934k	126k	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
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

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

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1988-05-09	118	4.5	VI(10k)	0
1976-02-19	244	5.9	VII(5k)	1
1994-03-02	331	5.4	VII(47k)	4

Selected City Exposure

MMI	City	Population
IX	Half Way Tree	138k
VIII	Kingston	990k
VIII	New Kingston	584k
VIII	Mona Heights	3k
VIII	Constant Spring	13k
VIII	Chantel	2k
V	Santo Domingo	2,202k
IV	Barranquilla	1,380k
III	Havana	2,164k
III	Maracaibo	2,225k
III	Caracas	3,000k

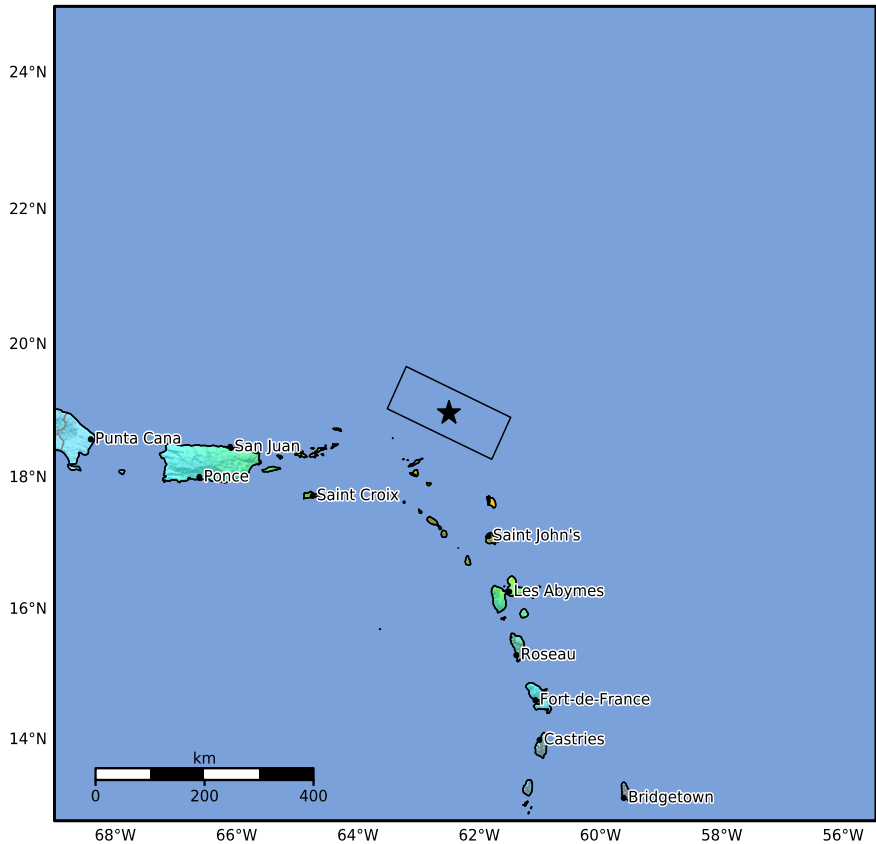
bold cities appear on map. (k=x1000)

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

Event ID: us.Jamaica.CaribeWave.se

Scénario d'impact sismique Petites Antilles du Nord

Macroseismic Intensity Map USGS
ShakeMap: Jamaica
Apr 01, 2021 00:00:00 UTC M8.5 N18.98 W62.50 Depth: 25.0km
ID:CaribeWave2021_se



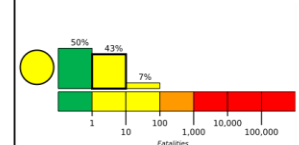
Earthquake Shaking **Yellow Alert**



M 8.5, Scenario Jamaica
Origin Time: 2021-04-01 00:00:00 UTC (Wed 20:00:00 local)
Location: 18.9767° N 62.4988° W Depth: 25.0 km
FOR TSUNAMI INFORMATION, SEE: tsunami.gov

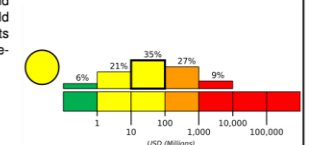
**PAGER
Version 1**

Estimated Fatalities



Yellow alert for shaking-related fatalities 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 response.

Estimated Economic Losses

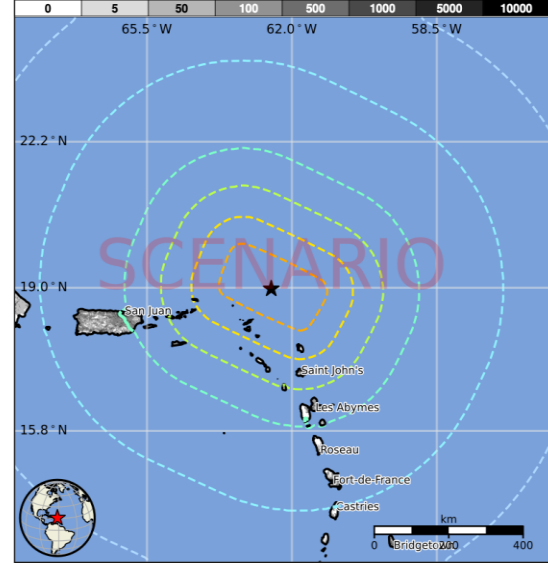


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	—*	1,038k*	2,525k	1,769k	248k	105k	0	0	0	
ESTIMATED MODIFIED MERCALLI INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+	
PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme	
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



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

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1985-03-16	221	6.4	VII(6k)	0
1974-10-08	189	7.5	IX(45k)	0
2004-11-21	377	6.3	VII(3k)	1

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

Selected City Exposure

MMI	City	Population
VII	North Side	<1k
VII	Stoney Ground	<1k
VII	The Valley	2k
VII	Island Harbour	<1k
VII	East End Village	<1k
VII	North Hill Village	<1k
V	Carolina	170k
V	San Juan	418k
IV	Bayamon	203k
IV	Ponce	153k
III	La Romana	208k

bold cities 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.
<http://earthquake.usgs.gov/data/pager/>

Event ID: usCaribeWave2021_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)	<0.0464	0.297	2.76	6.2	11.5	21.5	40.1	74.7	>139
PGV(cm/s)	<0.0215	0.135	1.41	4.65	9.64	20	41.4	85.8	>178
INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+

Scale based on Worden et al. (2012) Version 1: Processed 2020-08-13T20:11:29Z
 Δ Seismic Instrument ○ Reported Intensity ★ Epicenter □ Rupture

PRODUITS PTWC

Pour Caribe Wave 21, le PTWC émettra les produits suivants:

- Le message dummy initial pour les deux scénarios sera émis le **11 mars 2021 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 **1407 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 26 Février 2021, chaque État membre doit sélectionner un scénario et remplir le questionnaire suivant (<https://forms.gle/NptfCm4xRMw4Bgrw6>) pour sélectionner le scénario que leur pays utilisera pour l'exercice. 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

Nom d'utilisateur: tsunami Mot de passe: bigwave

CARIBE WAVE 21 Scénarios par État membre/territoire

Jamaica	Northern Lesser Antilles
Cayman Islands	Antigua and Barbuda
Colombia	Aruba
Costa Rica	Brazil
Guyana	British Virgin Islands*
Jamaica	Guyana
Mexico	Puerto Rico*
Nicaragua	US Virgin Islands*
Panama	Trinidad and Tobago

* PTWC a préparé les produits nationaux correspondants pour Porto Rico et les Iles Vierges

Dummy (début d'exercice) Message

Le message du début de l'exercice Caribe Wave 21 sera envoyés sur le(s) compte(s) Twitter de PTWC.

“This is a test message for CARIBEWAVE 21 tsunami exercise #CaribeWave”
. (Il sera diffusé à 14h00 comptes UTC)

Appendix E. TWC Dummy (Start of Exercise) Messages

PTWC ← Centre

WECA41 PHEB 191400 ← WMO ID

TSUCAX ← AWIPS ID

TEST...INITIAL DUMMY START OF EXERCISE MESSAGE...TEST
NWS PACIFIC TSUNAMI WARNING CENTER/NOAA/NWS
ISSUED AT 1400Z 11 MAR 2021

...TEST...CARIBE WAVE 21 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 21 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.

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Jamaïque Scénario

Chronologie des Messages par PTWC Jamaïque

Date	Heure (UTC)	PTWC	
		Type of Produit	Méthode de transmission
3/11/21	1400	- - - - Le séisme se produit - - - -	
3/11/21	1400	Fictif	NWWS, GTS, EMWIN, AISR, Fax, Email
3/11/21	1407	Message de Menace Tsunami #1	Email
3/11/21	1415	Message de Menace Tsunami #2	Email
3/11/21	1425	Message de Menace Tsunami #3 et Produits Graphiques Améliorés	Email
3/11/21	1500	Message de Menace Tsunami #4	Email
3/11/21	1600	Message de Menace Tsunami #5	Email
3/11/21	1700	Message de Menace Tsunami #6	Email
3/11/21	1800	Message de Menace Tsunami #7	Email
3/11/21	1900	Message de Menace Tsunami #8	Email
3/11/21	2000	Message de Menace Tsunami #9	Email
3/11/21	2100	Message de Menace Tsunami #10	Email
3/11/21	2200	Message de Menace Tsunami #11	Email
3/11/21	2300	Message Final de Menace Tsunami #12	Email

PTWC Message #1

ZCZC
WECA41 PHEB 111407 **WMO ID**
TSUCAX **AWIPS ID**

TEST...TSUNAMI MESSAGE NUMBER 1...TEST
NWS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI
1407 UTC THU MAR 11 2021

...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 7.9
* ORIGIN TIME 1400 UTC MAR 11 2021
* COORDINATES 18.2 NORTH 75.4 WEST
* DEPTH 25 KM / 16 MILES
* LOCATION JAMAICA REGION

TEST... EVALUATION ...TEST

* THIS IS A TEST MESSAGE. AN EARTHQUAKE WITH A PRELIMINARY MAGNITUDE OF 7.9 OCCURRED IN THE JAMAICA REGION AT 1400 UTC ON THURSDAY MARCH 11 2021.

* 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

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

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)
SANTIAGO D CUBA	CUBA	19.9N 75.8W	1422 03/11
JEREMIE	HAITI	18.6N 74.1W	1424 03/11
JACAMEL	HAITI	18.1N 72.5W	1433 03/11
BARACOA	CUBA	20.4N 74.5W	1442 03/11
CAYMAN BRAC	CAYMAN ISLANDS	19.7N 79.9W	1446 03/11

GREAT INAGUA	BAHAMAS	20.9N	73.7W	1448	03/11
KINGSTON	JAMAICA	17.9N	76.9W	1451	03/11
CAP HAITEN	HAITI	19.8N	72.2W	1454	03/11
MONTEGO BAY	JAMAICA	18.5N	77.9W	1454	03/11
WEST CAICOS	TURKS N CAICOS	21.7N	72.5W	1458	03/11
GIBARA	CUBA	21.1N	76.1W	1502	03/11
MAYAGUANA	BAHAMAS	22.3N	73.0W	1502	03/11
GRAND CAYMAN	CAYMAN ISLANDS	19.3N	81.3W	1502	03/11
PUERTO PLATA	DOMINICAN REP	19.8N	70.7W	1505	03/11
SANTO DOMINGO	DOMINICAN REP	18.5N	69.9W	1510	03/11
CIENFUEGOS	CUBA	22.0N	80.5W	1511	03/11
GRAND TURK	TURKS N CAICOS	21.5N	71.1W	1513	03/11
LONG ISLAND	BAHAMAS	23.3N	75.1W	1522	03/11
SAN SALVADOR	BAHAMAS	24.1N	74.5W	1522	03/11
SANTA MARTA	COLOMBIA	11.2N	74.2W	1526	03/11
PORT AU PRINCE	HAITI	18.5N	72.4W	1527	03/11
ORANJESTAD	ARUBA	12.5N	70.0W	1529	03/11
EXUMA	BAHAMAS	23.6N	75.9W	1532	03/11
MAYAGUEZ	PUERTO RICO	18.2N	67.2W	1532	03/11
ONIMA	BONAIRE	12.3N	68.3W	1535	03/11
CARTAGENA	COLOMBIA	10.4N	75.6W	1535	03/11
CROOKED ISLAND	BAHAMAS	22.7N	74.1W	1537	03/11
CABO ENGANO	DOMINICAN REP	18.6N	68.3W	1538	03/11
CAT ISLAND	BAHAMAS	24.4N	75.5W	1541	03/11
CHRISTIANSTED	US VIRGIN IS	17.7N	64.7W	1541	03/11
SAN ANDRES	SAN ANDRES PROVI	13.4N	81.4W	1544	03/11
SAN JUAN	PUERTO RICO	18.5N	66.1W	1544	03/11
PROVIDENCIA	SAN ANDRES PROVI	12.6N	81.7W	1547	03/11
BARRANQUILLA	COLOMBIA	11.1N	74.9W	1548	03/11
ELEUTHERA ISLAN	BAHAMAS	25.2N	76.1W	1549	03/11
ALIGANDI	PANAMA	9.2N	78.0W	1550	03/11
ANDROS ISLAND	BAHAMAS	25.0N	77.9W	1558	03/11
PUERTO CARRETO	PANAMA	8.8N	77.6W	1558	03/11
COZUMEL	MEXICO	20.5N	87.0W	1600	03/11
RIOHACHA	COLOMBIA	11.6N	72.9W	1602	03/11
WILLEMSTAD	CURACAO	12.1N	68.9W	1602	03/11
SABA	SABA	17.6N	63.2W	1603	03/11
PUERTO CORTES	HONDURAS	15.9N	88.0W	1603	03/11
BASSETERRE	SAINT KITTS	17.3N	62.7W	1608	03/11
ANEGADA	BR VIRGIN IS	18.8N	64.3W	1609	03/11
NASSAU	BAHAMAS	25.1N	77.4W	1610	03/11
PUERTO OBALDIA	PANAMA	8.7N	77.4W	1610	03/11
SINT EUSTATIUS	SINT EUSTATIUS	17.5N	63.0W	1611	03/11
MAIQUETIA	VENEZUELA	10.6N	67.0W	1611	03/11
PLYMOUTH	MONTSERRAT	16.7N	62.2W	1612	03/11
SIMPSON BAAI	SINT MAARTEN	18.0N	63.1W	1612	03/11
PUNTA CARIBANA	COLOMBIA	8.6N	76.9W	1615	03/11
PUERTO LIMON	COSTA RICA	10.0N	83.0W	1616	03/11

BASSE TERRE	GUADELOUPE	16.0N	61.7W	1617	03/11
THE VALLEY	ANGUILLA	18.3N	63.1W	1620	03/11
CHARLOTTE AMALI	US VIRGIN IS	18.3N	64.9W	1621	03/11
ROSEAU	DOMINICA	15.3N	61.4W	1621	03/11
FREEPORT	BAHAMAS	26.5N	78.8W	1622	03/11
COLON	PANAMA	9.4N	79.9W	1622	03/11
LA HABANA	CUBA	23.2N	82.4W	1624	03/11
ABACO ISLAND	BAHAMAS	26.6N	77.1W	1627	03/11
CASTRIES	SAINT LUCIA	14.0N	61.0W	1627	03/11
FORT DE FRANCE	MARTINIQUE	14.6N	61.1W	1630	03/11
BOCAS DEL TORO	PANAMA	9.4N	82.2W	1633	03/11
KINGSTOWN	SAINT VINCENT	13.1N	61.2W	1633	03/11
BAIE LUCAS	SAINT MARTIN	18.1N	63.0W	1634	03/11
BIMINI	BAHAMAS	25.8N	79.3W	1635	03/11
BAIE GRAND CASE	SAINT MARTIN	18.1N	63.1W	1638	03/11
SAINT BARTHELEM	SAINT BARTHELEMY	17.9N	62.8W	1639	03/11
CUMANA	VENEZUELA	10.5N	64.2W	1643	03/11
PALMETTO POINT	BARBUDA	17.6N	61.9W	1644	03/11
SAINT GEORGES	GRENADA	12.0N	61.8W	1645	03/11
SAINT JOHNS	ANTIGUA	17.1N	61.9W	1650	03/11
TRUJILLO	HONDURAS	15.9N	86.0W	1650	03/11
ESSO PIER	BERMUDA	32.4N	64.7W	1650	03/11
BAIE BLANCHE	SAINT MARTIN	18.1N	63.0W	1653	03/11
BRIDGETOWN	BARBADOS	13.1N	59.6W	1656	03/11
PUNTA GORDA	NICARAGUA	11.4N	83.8W	1706	03/11

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 #3

ZCZC

WECA41 PHEB 111425

WMO ID

TSUCAX

AWIPS ID

TEST...TSUNAMI MESSAGE NUMBER 3...TEST

NWS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI

1425 UTC THU MAR 11 2021

...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 ****

FORECAST TSUNAMI AMPLITUDES ARE PROVIDED IN THIS MESSAGE.

TEST... PRELIMINARY EARTHQUAKE PARAMETERS ...TEST

* MAGNITUDE 8.0
* ORIGIN TIME 1400 UTC MAR 11 2021
* COORDINATES 18.2 NORTH 75.4 WEST
* DEPTH 25 KM / 16 MILES
* LOCATION JAMAICA REGION

TEST... EVALUATION ...TEST

* THIS IS A TEST MESSAGE. AN EARTHQUAKE WITH A PRELIMINARY MAGNITUDE OF 8.0 OCCURRED IN THE JAMAICA REGION AT 1400 UTC ON THURSDAY MARCH 11 2021.

* 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 CUBA... HAITI... AND JAMAICA.

 - * THIS IS A TEST MESSAGE. TSUNAMI WAVES REACHING 1 TO 3 METERS ABOVE THE TIDE LEVEL ARE POSSIBLE ALONG SOME COASTS OF COLOMBIA ...COSTA RICA... PANAMA... AND BAHAMAS.

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

DOMINICAN REPUBLIC... MEXICO... NICARAGUA... VENEZUELA... ARUBA... BONAIRE... CAYMAN ISLANDS... CURACAO... DOMINICA... MARTINIQUE... PUERTO RICO AND VIRGIN ISLANDS... SAINT KITTS AND NEVIS... SAINT LUCIA... SAINT VINCENT AND THE GRENADINES... SAN ANDRES AND PROVIDENCIA... 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)
SANTIAGO D CUBA	CUBA	19.9N	75.8W	1422 03/11
JEREMIE	HAITI	18.6N	74.1W	1424 03/11
JACAMEL	HAITI	18.1N	72.5W	1433 03/11
BARACOA	CUBA	20.4N	74.5W	1442 03/11
CAYMAN BRAC	CAYMAN ISLANDS	19.7N	79.9W	1446 03/11
GREAT INAGUA	BAHAMAS	20.9N	73.7W	1448 03/11
KINGSTON	JAMAICA	17.9N	76.9W	1451 03/11
CAP HAITEN	HAITI	19.8N	72.2W	1454 03/11
MONTEGO BAY	JAMAICA	18.5N	77.9W	1454 03/11
WEST CAICOS	TURKS N CAICOS	21.7N	72.5W	1458 03/11
GIBARA	CUBA	21.1N	76.1W	1502 03/11
MAYAGUANA	BAHAMAS	22.3N	73.0W	1502 03/11
GRAND CAYMAN	CAYMAN ISLANDS	19.3N	81.3W	1502 03/11
PUERTO PLATA	DOMINICAN REP	19.8N	70.7W	1505 03/11
SANTO DOMINGO	DOMINICAN REP	18.5N	69.9W	1510 03/11
CIENFUEGOS	CUBA	22.0N	80.5W	1511 03/11
GRAND TURK	TURKS N CAICOS	21.5N	71.1W	1513 03/11
LONG ISLAND	BAHAMAS	23.3N	75.1W	1522 03/11
SAN SALVADOR	BAHAMAS	24.1N	74.5W	1522 03/11
SANTA MARTA	COLOMBIA	11.2N	74.2W	1526 03/11
PORT AU PRINCE	HAITI	18.5N	72.4W	1527 03/11
ORANJESTAD	ARUBA	12.5N	70.0W	1529 03/11
EXUMA	BAHAMAS	23.6N	75.9W	1532 03/11
MAYAGUEZ	PUERTO RICO	18.2N	67.2W	1532 03/11
ONIMA	BONAIRE	12.3N	68.3W	1535 03/11
CARTAGENA	COLOMBIA	10.4N	75.6W	1535 03/11
CROOKED ISLAND	BAHAMAS	22.7N	74.1W	1537 03/11
CABO ENGANO	DOMINICAN REP	18.6N	68.3W	1538 03/11
CAT ISLAND	BAHAMAS	24.4N	75.5W	1541 03/11
CHRISTIANSTED	US VIRGIN IS	17.7N	64.7W	1541 03/11
SAN ANDRES	SAN ANDRES PROVI	13.4N	81.4W	1544 03/11
SAN JUAN	PUERTO RICO	18.5N	66.1W	1544 03/11
PROVIDENCIA	SAN ANDRES PROVI	12.6N	81.7W	1547 03/11
BARRANQUILLA	COLOMBIA	11.1N	74.9W	1548 03/11
ELEUTHERA ISLAN	BAHAMAS	25.2N	76.1W	1549 03/11

ELEUTHERA ISLAN	BAHAMAS	25.2N	76.1W	1549 03/11
ALIGANDI	PANAMA	9.2N	78.0W	1550 03/11
ANDROS ISLAND	BAHAMAS	25.0N	77.9W	1558 03/11
PUERTO CARRETO	PANAMA	8.8N	77.6W	1558 03/11
COZUMEL	MEXICO	20.5N	87.0W	1600 03/11
RIOHACHA	COLOMBIA	11.6N	72.9W	1602 03/11
WILLEMSTAD	CURACAO	12.1N	68.9W	1602 03/11
BASSETERRE	SAINT KITTS	17.3N	62.7W	1608 03/11
ANEGADA	BR VIRGIN IS	18.8N	64.3W	1609 03/11
NASSAU	BAHAMAS	25.1N	77.4W	1610 03/11
PUERTO OBALDIA	PANAMA	8.7N	77.4W	1610 03/11
PUNTA CARIBANA	COLOMBIA	8.6N	76.9W	1615 03/11
PUERTO LIMON	COSTA RICA	10.0N	83.0W	1616 03/11
CHARLOTTE AMALI	US VIRGIN IS	18.3N	64.9W	1621 03/11
ROSEAU	DOMINICA	15.3N	61.4W	1621 03/11
FREEPORT	BAHAMAS	26.5N	78.8W	1622 03/11
COLON	PANAMA	9.4N	79.9W	1622 03/11
LA HABANA	CUBA	23.2N	82.4W	1624 03/11
ABACO ISLAND	BAHAMAS	26.6N	77.1W	1627 03/11
CASTRIES	SAINT LUCIA	14.0N	61.0W	1627 03/11
FORT DE FRANCE	MARTINIQUE	14.6N	61.1W	1630 03/11
BOCAS DEL TORO	PANAMA	9.4N	82.2W	1633 03/11
KINGSTOWN	SAINT VINCENT	13.1N	61.2W	1633 03/11
BIMINI	BAHAMAS	25.8N	79.3W	1635 03/11
PUNTA GORDA	NICARAGUA	11.4N	83.8W	1706 03/11
ROADTOWN	BR VIRGIN IS	18.4N	64.6W	1707 03/11
SANTA CRZ D SUR	CUBA	20.7N	78.0W	1735 03/11
PUNTO FIJO	VENEZUELA	11.7N	70.2W	1751 03/11
GOLFO VENEZUELA	VENEZUELA	11.4N	71.2W	1850 03/11
NUEVA GERONA	CUBA	21.9N	82.8W	1910 03/11
PUERTO CABEZAS	NICARAGUA	14.0N	83.4W	2032 03/11

TEST... POTENTIAL IMPACTS ...TEST

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

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

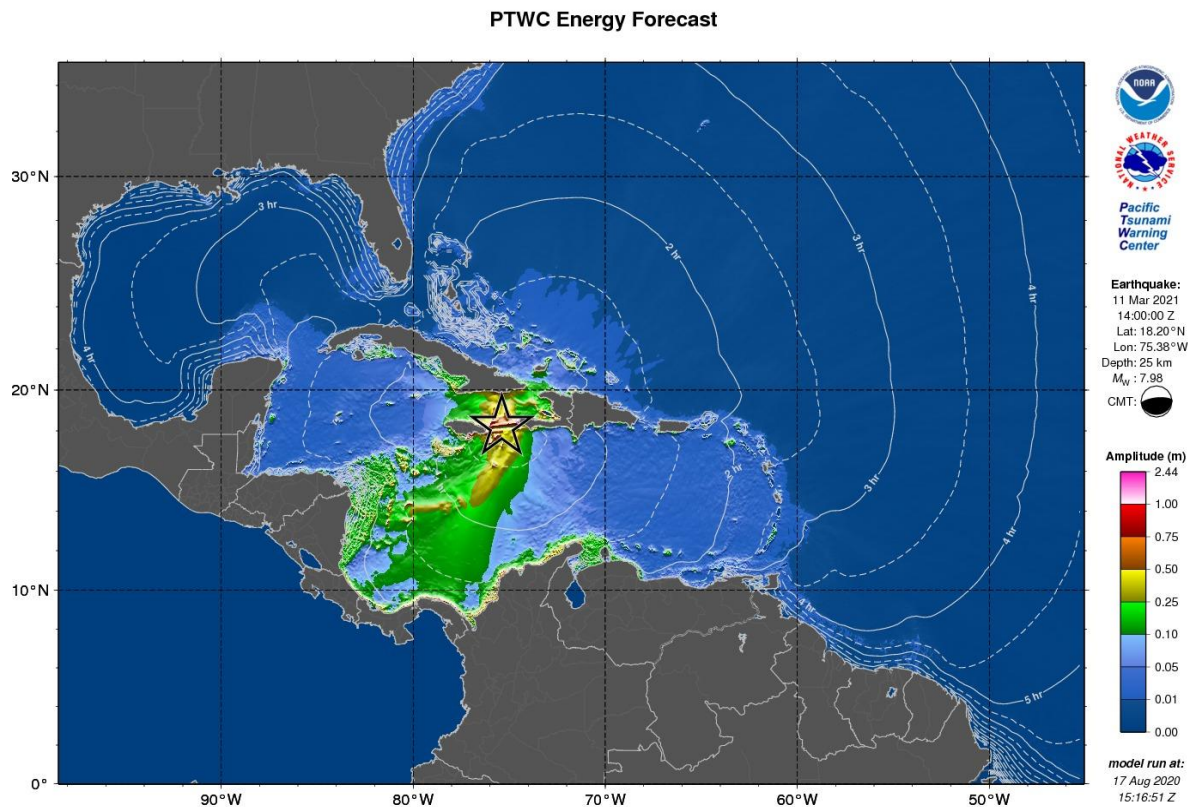
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THE INTERNET AT EARTHQUAKE.USGS.GOV/EARTHQUAKES -ALL IN
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MESSAGE.

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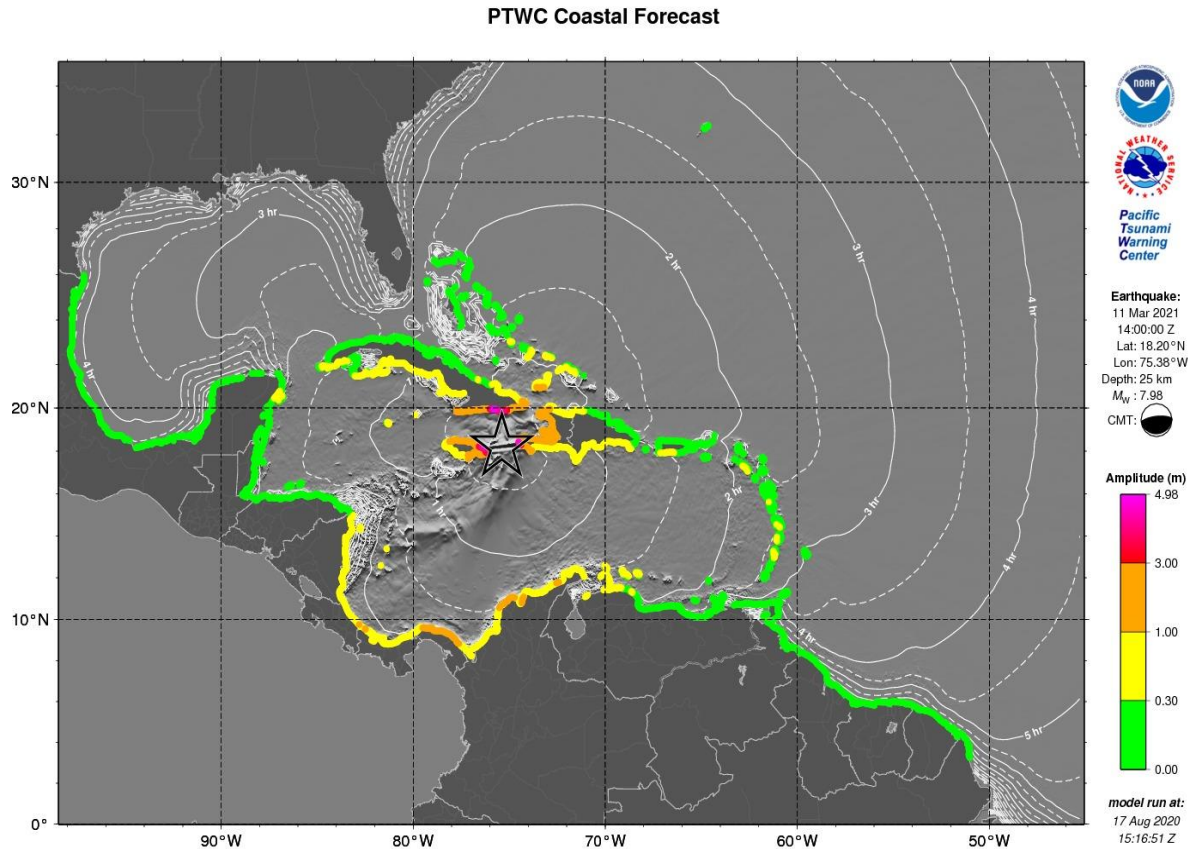
Prévision des hauteurs de vagues Jamaïque



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

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

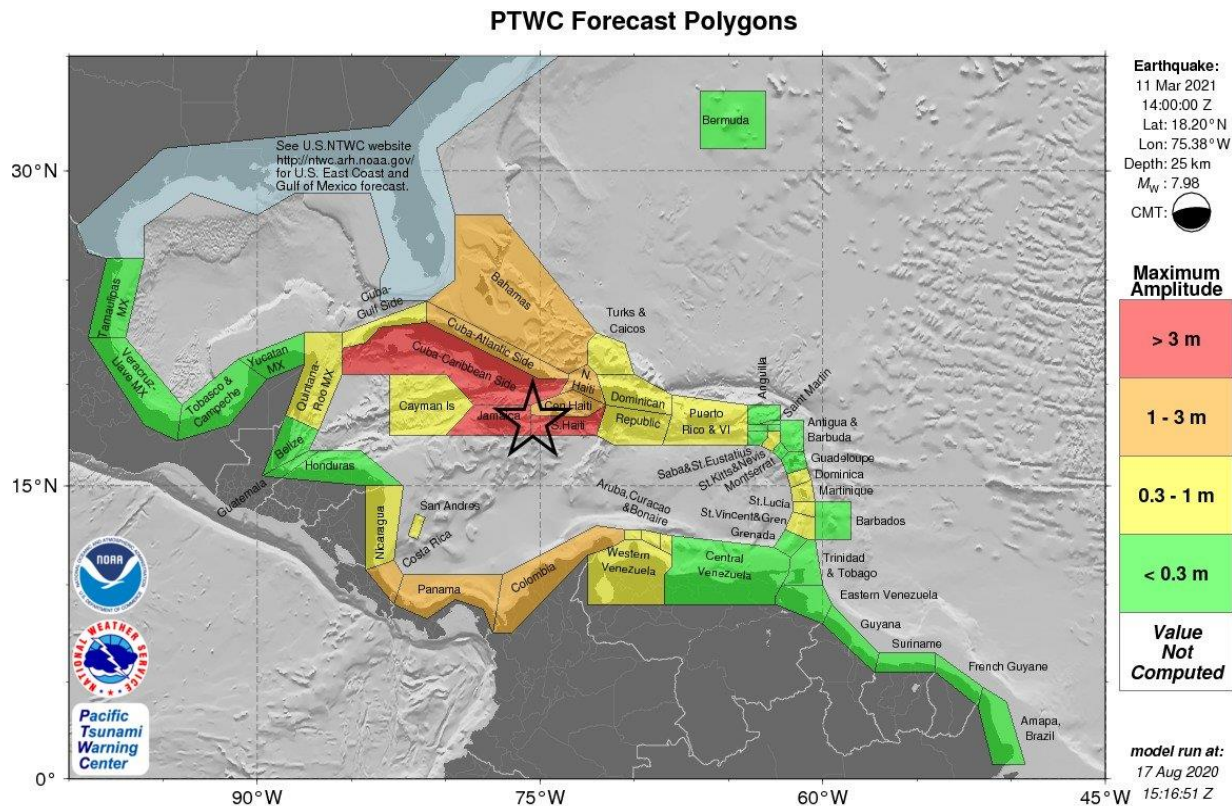
Prévision des hauteurs de vagues Jamaïque



Carte RIFT avec l'amplitude maximale du tsunami basé sur le scénario de Jamaïque.

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

Prévision des hauteurs de vagues Jamaïque

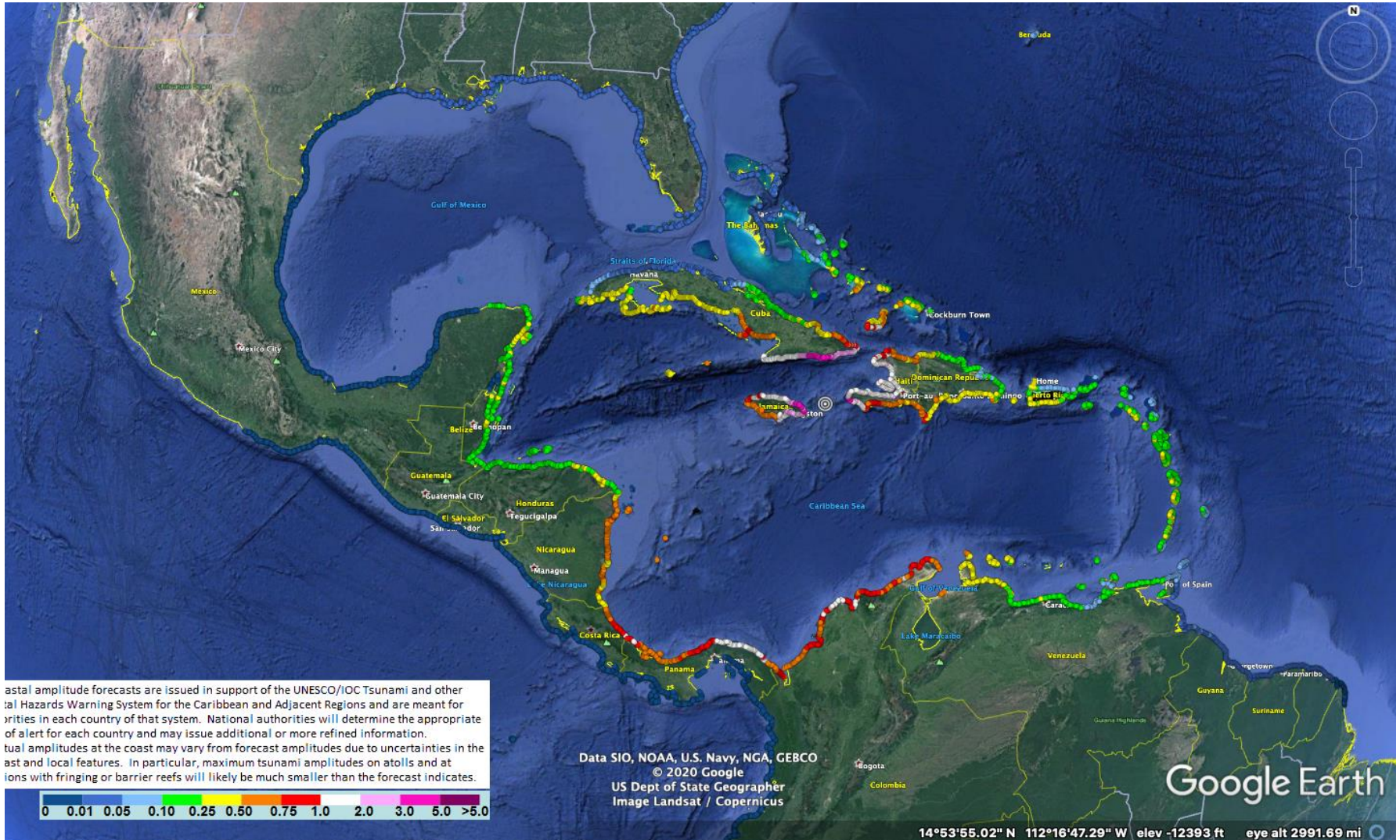


Carte RIFT prévisions de polygone de la région pour le scénario du Jamaïque.

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

KMZ

Jamaïque



Statistiques prévisionnelles des polygones régionaux*

Jamaïque

Region_Name	Coastal Forecast (meters)				Offshore Forecast (meters)				Total Points
	Maximum	Mean	Median	STD	Maximum	Mean	Median	STD	
Caribbean_Coast_of_Cuba	5.0	0.94	0.42	1.00	2.3	0.29	0.17	0.29	423
Caribbean_Coast_of_Haiti	4.8	1.10	0.71	0.91	2.0	0.43	0.33	0.37	89
Jamaica	4.5	1.50	1.30	0.91	2.4	0.65	0.53	0.39	146
Gulf_of_Gonave_Coast_of_Haiti	2.3	1.60	1.60	0.26	1.9	0.68	0.61	0.36	140
Atlantic_Coast_of_Haiti	1.8	0.82	0.71	0.29	0.86	0.33	0.30	0.13	66
Caribbean_Coast_of_Panama	1.4	0.87	0.81	0.27	1.1	0.50	0.49	0.19	179
Bahamas	1.3	0.18	0.06	0.25	1.0	0.10	0.03	0.16	443
Caribbean_Coast_of_Colombia	1.3	0.81	0.81	0.15	1.1	0.49	0.48	0.17	255
Atlantic_Coast_of_Cuba	1.1	0.23	0.16	0.24	0.57	0.10	0.06	0.12	259
Caribbean_Coast_of_Costa_Rica	1.0	0.76	0.80	0.15	0.79	0.45	0.44	0.10	48
Caribbean_Coast_of_Dominican_Republic	0.82	0.42	0.40	0.14	0.58	0.21	0.18	0.10	148
Caribbean_Coast_of_Nicaragua	0.78	0.57	0.53	0.11	0.50	0.20	0.20	0.08	138
San_Andres_and_Providencia	0.70	0.64	0.64	0.05	0.35	0.34	0.34	0.01	4
Atlantic_Coast_of_Dominican_Republic	0.67	0.19	0.15	0.12	0.71	0.11	0.07	0.11	129
Western_Coast_of_Venezuela	0.60	0.34	0.33	0.09	0.40	0.17	0.16	0.06	100
Cayman_Islands	0.55	0.37	0.36	0.07	0.35	0.20	0.19	0.07	9
Aruba	0.55	0.48	0.46	0.06	0.29	0.21	0.18	0.05	8
Turks_and_Caicos_Islands	0.54	0.28	0.25	0.10	0.27	0.14	0.13	0.06	46
Curacao	0.44	0.32	0.31	0.05	0.21	0.13	0.12	0.04	27
Saint_Vincent_and_the_Grenadines	0.41	0.27	0.27	0.05	0.21	0.12	0.12	0.04	33
Quintana_Roo_Mexico	0.39	0.20	0.23	0.11	0.62	0.10	0.10	0.07	166
Saint_Kitts_and_Nevis	0.39	0.25	0.25	0.08	0.17	0.09	0.08	0.04	29
Bonaire	0.38	0.31	0.32	0.04	0.23	0.16	0.16	0.03	15
Puerto_Rico_and_Virgin_Islands	0.35	0.19	0.20	0.08	0.36	0.09	0.08	0.06	190
Gulf_of_Mexico_Coast_of_Cuba	0.33	0.05	0.04	0.05	0.09	0.02	0.01	0.01	122
Saint_Lucia	0.33	0.22	0.23	0.07	0.15	0.09	0.08	0.03	26
Dominica	0.30	0.21	0.22	0.05	0.12	0.06	0.06	0.02	31
Martinique	0.30	0.21	0.23	0.06	0.18	0.09	0.09	0.04	41
Caribbean_Coast_of_Honduras	0.29	0.19	0.19	0.04	0.27	0.10	0.10	0.04	185
Central_Coast_of_Venezuela	0.28	0.14	0.13	0.05	0.23	0.07	0.06	0.03	238
Grenada	0.28	0.17	0.18	0.06	0.17	0.08	0.08	0.03	29
Montserrat	0.28	0.21	0.20	0.04	0.22	0.09	0.07	0.05	11
Guadeloupe	0.27	0.17	0.17	0.05	0.17	0.07	0.07	0.03	73
Belize	0.27	0.19	0.18	0.03	0.25	0.08	0.08	0.03	90
Anguilla	0.25	0.20	0.23	0.05	0.18	0.13	0.12	0.03	8
Antigua_and_Barbuda	0.23	0.12	0.08	0.06	0.14	0.08	0.08	0.03	28
Saba_and_Saint_Eustatius	0.23	0.18	0.17	0.02	0.10	0.06	0.05	0.02	8
Sint_Maarten	0.19	0.17	0.17	0.01	0.11	0.08	0.08	0.01	6
Saint_Barthelemy	0.18	0.12	0.12	0.04	0.11	0.09	0.09	0.02	4
Caribbean_Coast_of_Guatemala	0.18	0.17	0.17	0.00	0.11	0.06	0.06	0.01	13
Saint_Martin	0.17	0.17	0.17	0.00	0.13	0.12	0.11	0.01	3
Yucatan_Mexico	0.12	0.03	0.01	0.04	0.07	0.03	0.03	0.02	59
Barbados	0.12	0.09	0.09	0.02	0.08	0.04	0.04	0.02	21
Trinidad_and_Tobago	0.11	0.07	0.07	0.03	0.08	0.04	0.03	0.02	77
Bermuda	0.07	0.06	0.06	0.01	0.05	0.03	0.03	0.01	8
Atlantic_Coast_of_Venezuela	0.06	0.05	0.05	0.00	0.02	0.01	0.01	0.00	82
Guyana	0.05	0.04	0.03	0.01	0.03	0.01	0.01	0.00	101
Suriname	0.03	0.03	0.03	0.00	0.02	0.01	0.01	0.00	109
French_Guyane	0.03	0.01	0.01	0.00	0.02	0.00	0.00	0.00	84
Veracruz_Mexico	0.01	0.01	0.01	0.00	0.01	0.00	0.00	0.00	152
Tamaulipas_Mexico	0.01	0.01	0.01	0.00	0.01	0.00	0.00	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 112300

WMO ID

TSUCAX

AWIPS ID

TEST...TSUNAMI MESSAGE NUMBER 12...TEST

NWS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI

2300 UTC THU MAR 11 2021

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

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

**** NOTICE **** NOTICE **** NOTICE **** NOTICE **** NOTICE ****

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

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

**** NOTICE **** NOTICE **** NOTICE **** NOTICE **** NOTICE ****

TEST... PRELIMINARY EARTHQUAKE PARAMETERS ...TEST

* MAGNITUDE 8.0
* ORIGIN TIME 1400 UTC MAR 11 2021
* COORDINATES 18.2 NORTH 75.4 WEST
* DEPTH 25 KM / 16 MILES
* LOCATION JAMAICA REGION

TEST... EVALUATION ...TEST

* THIS IS A TEST MESSAGE. AN EARTHQUAKE WITH A PRELIMINARY MAGNITUDE OF 8.0 OCCURRED IN THE JAMAICA REGION AT 1400 UTC ON THURSDAY MARCH 11 2021.

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

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

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

TEST... RECOMMENDED ACTIONS ...TEST

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

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

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

TEST... POTENTIAL IMPACTS ...TEST

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

TEST... TSUNAMI OBSERVATIONS ...TEST

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

GAUGE LOCATION	GAUGE COORDINATES		TIME OF MEASURE	MAXIMUM TSUNAMI HEIGHT	WAVE PERIOD
	LAT	LOX	(UTC)		(MIN)
WRIGHT BEACH NC	34.2N	77.8W	1901	0.09M/ 0.3FT	18
GANTERS BAY ST LUCI	14.0N	61.0W	1701	0.28M/ 0.9FT	28
PRICKLEY BAY GD	12.0N	61.8W	1700	0.16M/ 0.5FT	20
LE ROBERT MARTINIQU	14.7N	60.9W	1659	0.12M/ 0.4FT	22
CALLIAQUA VC	13.1N	61.2W	1648	0.33M/ 1.1FT	26
BLOWING POINT AI	18.2N	63.1W	1643	0.25M/ 0.8FT	22
POINT A PITRE GP	16.2N	61.5W	1639	0.13M/ 0.4FT	28

DESIRADE GUADELOUPE	16.3N	61.1W	1645	0.10M/	0.3FT	18
FORT DE FRANCE MQ	14.6N	61.1W	1639	0.31M/	1.0FT	14
SAINT MARTIN FR	18.1N	63.1W	1635	0.17M/	0.6FT	18
ISLA MUJERES MX	21.3N	86.7W	1634	0.25M/	0.8FT	24
CULEBRA IS PR	18.3N	65.3W	1635	0.09M/	0.3FT	26
LE PRECHEUR MARTINI	14.8N	61.2W	1635	0.20M/	0.7FT	22
ROSEAU DM	15.3N	61.4W	1631	0.23M/	0.8FT	22
PORTSMOUTH DM	15.6N	61.5W	1631	0.30M/	1.0FT	26
LAMESHURBAYSTJOHNVI	18.3N	64.7W	1628	0.17M/	0.6FT	16
DESHAIES GUADELOUPE	16.3N	61.8W	1627	0.22M/	0.7FT	22
LIMON CR	10.0N	83.0W	1626	0.89M/	2.9FT	26
CEIBA CABOTAGE HN	15.8N	86.8W	1625	0.13M/	0.4FT	22
SAPZURRO CO	8.7N	77.4W	1617	0.69M/	2.3FT	18
BASSETERRE KN	17.3N	62.7W	1620	0.17M/	0.6FT	28
CARRIE BOW CAY BZ	16.8N	88.1W	1617	0.17M/	0.5FT	24
PUERTO CORTES HN	15.8N	88.0W	1610	0.18M/	0.6FT	14
SIAN KAN MX	19.3N	87.4W	1612	0.21M/	0.7FT	26
EL PORVENIR PA	9.6N	78.9W	1607	1.18M/	3.9FT	28
PUERTO MORELOS MX	20.9N	86.9W	1603	0.25M/	0.8FT	28
PUERTO MORELOS MX	20.9N	86.9W	1601	0.25M/	0.8FT	22
PUERTO MORELOS MX	20.9N	86.9W	1603	0.25M/	0.8FT	16
SAN ANDRES CO	12.6N	81.7W	1556	0.57M/	1.9FT	28
SAN JUAN PR	18.5N	66.1W	1558	0.07M/	0.2FT	22
ESPERANZA VIEQUES P	18.1N	65.5W	1558	0.25M/	0.8FT	28
ARECIBO PR	18.5N	66.7W	1551	0.10M/	0.3FT	16
LIMETREE VI	17.7N	64.8W	1552	0.23M/	0.8FT	18
ST CROIX VI	17.7N	64.7W	1549	0.15M/	0.5FT	20
ISLA NAVAL CO	10.2N	75.8W	1547	0.73M/	2.4FT	24
ROATAN ISLAND HN	16.3N	86.5W	1552	0.15M/	0.5FT	26
YABUCOA PR	18.1N	65.8W	1544	0.28M/	0.9FT	18
BULLEN BAY CURACAO	12.2N	69.0W	1547	0.39M/	1.3FT	26
MAGUEYES ISLAND PR	18.0N	67.0W	1541	0.29M/	1.0FT	26
MAYAGUEZ PR	18.2N	67.2W	1547	0.29M/	1.0FT	26
SANTA MARTA CO	11.2N	74.2W	1537	0.72M/	2.4FT	20
PUNTA CANA DO	18.5N	68.4W	1539	0.23M/	0.7FT	22
MONA ISLAND PR	18.1N	67.9W	1529	0.29M/	0.9FT	22
DART 42407	15.3N	68.2W	1524	0.03M/	0.1FT	16
GRAND TURK ISLAND T	21.4N	71.1W	1521	0.18M/	0.6FT	24
PUERTO PLATA DO	19.8N	70.7W	1518	0.19M/	0.6FT	14
BARAHONA DO	18.2N	71.1W	1516	0.52M/	1.7FT	20
GEORGE TOWN CY	19.3N	81.4W	1505	0.32M/	1.1FT	24
CAP HAITIEN HT	19.8N	72.2W	1504	0.46M/	1.5FT	22
PORT ROYAL JM	17.9N	76.8W	1456	2.08M/	6.8FT	16

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

Petites Antilles du Nord Scénario

Chronologie des Messages par PTWC

Petites Antilles du Nord

Date	Heur (UTC)	PTWC	
		Type of Produit	Méthode de transmission
3/11/21	1400	- - - - Le séisme se produit - - - -	
3/11/21	1400	Fictif	NWWS, GTS, EMWIN, AISR, Fax, Email
3/11/21	1407	Message de Menace Tsunami #1	Email
3/11/21	1415	Message de Menace Tsunami #2	Email
3/11/21	1425	Message de Menace Tsunami #3 and et Produits Graphiques Améliorés	Email
3/11/21	1445	Message de Menace Tsunami #4	Email
3/11/21	1500	Message de Menace Tsunami #5	Email
3/11/21	1600	Message de Menace Tsunami #6	Email
3/11/21	1700	Message de Menace Tsunami #7	Email
3/11/21	1800	Message de Menace Tsunami #8	Email
3/11/21	1900	Message de Menace Tsunami #9	Email
3/11/21	2000	Message de Menace Tsunami #10	Email
3/11/21	2100	Message de Menace Tsunami #11	Email
3/11/21	2200	Message de Menace Tsunami #12	Email
3/11/21	2300	Message de Menace Tsunami #13	Email

PTWC Message #1

ZCZC
WECA41 PHEB 111407 **WMO ID**
TSUCAX **AWIPS ID**

TEST...TSUNAMI MESSAGE NUMBER 1...TEST
NWS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI
1407 UTC THU MAR 11 2021

...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 8.0
* ORIGIN TIME 1400 UTC MAR 11 2021
* COORDINATES 19.0 NORTH 62.5 WEST
* DEPTH 25 KM / 16 MILES
* LOCATION LEEWARD ISLANDS

TEST... EVALUATION ...TEST

* THIS IS A TEST MESSAGE. AN EARTHQUAKE WITH A PRELIMINARY MAGNITUDE OF 8.0 OCCURRED IN THE LEEWARD ISLANDS AT 1400 UTC ON THURSDAY MARCH 11 2021.

* 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

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

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)
CHRISTIANSTED	US VIRGIN IS	17.7N 64.7W	1428 03/11
SABA	SABA	17.6N 63.2W	1429 03/11
SINT EUSTATIUS	SINT EUSTATIUS	17.5N 63.0W	1433 03/11
BASSETERRE	SAINT KITTS	17.3N 62.7W	1434 03/11
SAN JUAN	PUERTO RICO	18.5N 66.1W	1435 03/11
SIMPSON BAAI	SINT MAARTEN	18.0N 63.1W	1435 03/11
ANEGADA	BR VIRGIN IS	18.8N 64.3W	1437 03/11
THE VALLEY	ANGUILLA	18.3N 63.1W	1438 03/11
PALMETTO POINT	BARBUDA	17.6N 61.9W	1441 03/11
BASSE TERRE	GUADELOUPE	16.0N 61.7W	1447 03/11
PLYMOUTH	MONTSERRAT	16.7N 62.2W	1448 03/11
MAYAGUEZ	PUERTO RICO	18.2N 67.2W	1449 03/11
BAIE GRAND CASE	SAINT MARTIN	18.1N 63.1W	1451 03/11
BAIE LUCAS	SAINT MARTIN	18.1N 63.0W	1452 03/11
SAINT BARTHELEM	SAINT BARTHELEMY	17.9N 62.8W	1452 03/11
CABO ENGANO	DOMINICAN REP	18.6N 68.3W	1453 03/11
ROSEAU	DOMINICA	15.3N 61.4W	1453 03/11
FORT DE FRANCE	MARTINIQUE	14.6N 61.1W	1456 03/11
SAINT JOHNS	ANTIGUA	17.1N 61.9W	1458 03/11

BRIDGETOWN	BARBADOS	13.1N	59.6W	1510	03/11
KINGSTOWN	SAINT VINCENT	13.1N	61.2W	1512	03/11
GRAND TURK	TURKS N CAICOS	21.5N	71.1W	1514	03/11
ROADTOWN	BR VIRGIN IS	18.4N	64.6W	1515	03/11
CHARLOTTE AMALI	US VIRGIN IS	18.3N	64.9W	1518	03/11
CAP HAITEN	HAITI	19.8N	72.2W	1519	03/11
SANTO DOMINGO	DOMINICAN REP	18.5N	69.9W	1520	03/11
MAYAGUANA	BAHAMAS	22.3N	73.0W	1526	03/11
WEST CAICOS	TURKS N CAICOS	21.7N	72.5W	1527	03/11
ONIMA	BOINAIRE	12.3N	68.3W	1530	03/11
GREAT INAGUA	BAHAMAS	20.9N	73.7W	1532	03/11
PIRATES BAY	TRINIDAD TOBAGO	11.3N	60.6W	1532	03/11
SAINTE GEORGES	GRENADA	12.0N	61.8W	1532	03/11
CROOKED ISLAND	BAHAMAS	22.7N	74.1W	1534	03/11
WILLEMSTAD	CURACAO	12.1N	68.9W	1537	03/11
BARACOA	CUBA	20.4N	74.5W	1537	03/11
SAN SALVADOR	BAHAMAS	24.1N	74.5W	1538	03/11
JACAMEL	HAITI	18.1N	72.5W	1542	03/11
LONG ISLAND	BAHAMAS	23.3N	75.1W	1542	03/11
ORANJESTAD	ARUBA	12.5N	70.0W	1543	03/11
SANTIAGO D CUBA	CUBA	19.9N	75.8W	1552	03/11
EXUMA	BAHAMAS	23.6N	75.9W	1554	03/11
MAIQUETIA	VENEZUELA	10.6N	67.0W	1556	03/11
CAT ISLAND	BAHAMAS	24.4N	75.5W	1558	03/11
ESSO PIER	BERMUDA	32.4N	64.7W	1559	03/11
ABACO ISLAND	BAHAMAS	26.6N	77.1W	1605	03/11
CUMANA	VENEZUELA	10.5N	64.2W	1607	03/11
ANDROS ISLAND	BAHAMAS	25.0N	77.9W	1611	03/11
MONTEGO BAY	JAMAICA	18.5N	77.9W	1613	03/11
RIOHACHA	COLOMBIA	11.6N	72.9W	1622	03/11
ELEUTHERA ISLAN	BAHAMAS	25.2N	76.1W	1624	03/11
CAYMAN BRAC	CAYMAN ISLANDS	19.7N	79.9W	1625	03/11
NASSAU	BAHAMAS	25.1N	77.4W	1628	03/11
KINGSTON	JAMAICA	17.9N	76.9W	1628	03/11
BARRANQUILLA	COLOMBIA	11.1N	74.9W	1628	03/11
FREEPORT	BAHAMAS	26.5N	78.8W	1631	03/11
JEREMIE	HAITI	18.6N	74.1W	1638	03/11
GIBARA	CUBA	21.1N	76.1W	1642	03/11
CARTAGENA	COLOMBIA	10.4N	75.6W	1645	03/11
CIENFUEGOS	CUBA	22.0N	80.5W	1647	03/11
GRAND CAYMAN	CAYMAN ISLANDS	19.3N	81.3W	1652	03/11
PORT OF SPAIN	TRINIDAD TOBAGO	10.6N	61.5W	1700	03/11
ALIGANDI	PANAMA	9.2N	78.0W	1702	03/11
BIMINI	BAHAMAS	25.8N	79.3W	1703	03/11

* 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.

* 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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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.

PTWC Message #3

ZCZC
WECA41 PHEB 111425
TSUCAX

WMO ID

AWIPS ID

TEST...TSUNAMI MESSAGE NUMBER 3...TEST
NWS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI
1425 UTC THU MAR 11 2021

...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 11 2021
* COORDINATES 19.0 NORTH 62.5 WEST
* DEPTH 25 KM / 16 MILES
* LOCATION LEEWARD ISLANDS

TEST... EVALUATION ...TEST

* THIS IS A TEST MESSAGE. AN EARTHQUAKE WITH A PRELIMINARY MAGNITUDE OF 8.5 OCCURRED IN THE LEEWARD ISLANDS AT 1400 UTC ON THURSDAY MARCH 11 2021.

* 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

ANGUILLA... ANTIGUA AND BARBUDA... GUADELOUPE...
MONTERRAT... PUERTO RICO AND VIRGIN ISLANDS... SABA AND
SAINT EUSTATIUS... SAINT BARTHELEMY... SAINT KITTS AND
NEVIS... SINT MAARTEN... AND SAINT MARTIN.

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

DOMINICAN REPUBLIC... VENEZUELA... ARUBA... BAHAMAS...
BARBADOS... BERMUDA... BONAIRE... CURACAO... DOMINICA...
GRENADA... MARTINIQUE... SAINT LUCIA... SAINT VINCENT AND
THE GRENADINES... TRINIDAD AND TOBAGO... AND TURKS AND
CAICOS ISLANDS.

* 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... COSTA RICA... CUBA... FRENCH
GUYANE... GUYANA... HAITI... NICARAGUA... PANAMA...
SURINAME... AND JAMAICA.

* 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)
SABA	SABA	17.6N	63.2W	1429 03/11
CHRISTIANSTED	US VIRGIN IS	17.7N	64.7W	1430 03/11
THE VALLEY	ANGUILLA	18.3N	63.1W	1431 03/11
SINT EUSTATIUS	SINT EUSTATIUS	17.5N	63.0W	1432 03/11
ANEGADA	BR VIRGIN IS	18.8N	64.3W	1432 03/11
SAN JUAN	PUERTO RICO	18.5N	66.1W	1433 03/11
SIMPSON BAAI	SINT MAARTEN	18.0N	63.1W	1434 03/11
BASSETERRE	SAINT KITTS	17.3N	62.7W	1436 03/11
PLYMOUTH	MONTSERRAT	16.7N	62.2W	1442 03/11
PALMETTO POINT	BARBUDA	17.6N	61.9W	1443 03/11
MAYAGUEZ	PUERTO RICO	18.2N	67.2W	1446 03/11
BASSE TERRE	GUADELOUPE	16.0N	61.7W	1448 03/11
SAINTE JOHN	ANTIGUA	17.1N	61.9W	1448 03/11
ROSEAU	DOMINICA	15.3N	61.4W	1454 03/11
BAIE LUCAS	SAINT MARTIN	18.1N	63.0W	1457 03/11
BAIE GRAND CASE	SAINT MARTIN	18.1N	63.1W	1458 03/11
CABO ENGANO	DOMINICAN REP	18.6N	68.3W	1459 03/11
SAINTE BARTHELEMY	SAINTE BARTHELEMY	17.9N	62.8W	1500 03/11
CASTRIES	SAINTE LUCIA	14.0N	61.0W	1501 03/11
FORT DE FRANCE	MARTINIQUE	14.6N	61.1W	1501 03/11
PUERTO PLATA	DOMINICAN REP	19.8N	70.7W	1501 03/11
CHARLOTTE AMALI	US VIRGIN IS	18.3N	64.9W	1507 03/11
BRIDGETOWN	BARBADOS	13.1N	59.6W	1509 03/11
GRAND TURK	TURKS N CAICOS	21.5N	71.1W	1509 03/11
BAIE BLANCHE	SAINT MARTIN	18.1N	63.0W	1511 03/11
KINGSTOWN	SAINTE VINCENT	13.1N	61.2W	1515 03/11
CAP HAITEN	HAITI	19.8N	72.2W	1518 03/11
SAINTE DOMINGO	DOMINICAN REP	18.5N	69.9W	1521 03/11
MAYAGUANA	BAHAMAS	22.3N	73.0W	1525 03/11
WEST CAICOS	TURKS N CAICOS	21.7N	72.5W	1527 03/11
ONIMA	BONAIRE	12.3N	68.3W	1527 03/11
BARACOA	CUBA	20.4N	74.5W	1538 03/11
JACAMEL	HAITI	18.1N	72.5W	1539 03/11
GREAT INAGUA	BAHAMAS	20.9N	73.7W	1539 03/11
SAN SALVADOR	BAHAMAS	24.1N	74.5W	1540 03/11
ORANJESTAD	ARUBA	12.5N	70.0W	1541 03/11
SAINTE GEORGES	GRENADA	12.0N	61.8W	1542 03/11
ROADTOWN	BR VIRGIN IS	18.4N	64.6W	1543 03/11
LONG ISLAND	BAHAMAS	23.3N	75.1W	1549 03/11
JEREMIE	HAITI	18.6N	74.1W	1549 03/11
SAINTE DOMINGO D CUBA	CUBA	19.9N	75.8W	1552 03/11
PIRATES BAY	TRINIDAD TOBAGO	11.3N	60.6W	1553 03/11
MAIQUETIA	VENEZUELA	10.6N	67.0W	1554 03/11
GIBARA	CUBA	21.1N	76.1W	1555 03/11
EXUMA	BAHAMAS	23.6N	75.9W	1557 03/11
CAT ISLAND	BAHAMAS	24.4N	75.5W	1557 03/11

ESSO PIER	BERMUDA	32.4N	64.7W	1558 03/11
CROOKED ISLAND	BAHAMAS	22.7N	74.1W	1559 03/11
WILLEMSTAD	CURACAO	12.1N	68.9W	1601 03/11
ELEUTHERA ISLAND	BAHAMAS	25.2N	76.1W	1603 03/11
CUMANA	VENEZUELA	10.5N	64.2W	1611 03/11
ANDROS ISLAND	BAHAMAS	25.0N	77.9W	1612 03/11
NASSAU	BAHAMAS	25.1N	77.4W	1624 03/11
SAINTE MARTA	COLOMBIA	11.2N	74.2W	1626 03/11
MONTEGO BAY	JAMAICA	18.5N	77.9W	1635 03/11
FREEPORT	BAHAMAS	26.5N	78.8W	1636 03/11
ABACO ISLAND	BAHAMAS	26.6N	77.1W	1639 03/11
PORT AU PRINCE	HAITI	18.5N	72.4W	1642 03/11
CARTAGENA	COLOMBIA	10.4N	75.6W	1642 03/11
CIENFUEGOS	CUBA	22.0N	80.5W	1646 03/11
BIMINI	BAHAMAS	25.8N	79.3W	1649 03/11
BARRANQUILLA	COLOMBIA	11.1N	74.9W	1651 03/11
KINGSTON	JAMAICA	17.9N	76.9W	1651 03/11
RIOHACHA	COLOMBIA	11.6N	72.9W	1655 03/11
PORT OF SPAIN	TRINIDAD TOBAGO	10.6N	61.5W	1655 03/11
ALIGANDI	PANAMA	9.2N	78.0W	1704 03/11
PUERTO CARRETO	PANAMA	8.8N	77.6W	1710 03/11
PUERTO OBALDIA	PANAMA	8.7N	77.4W	1722 03/11
PUNTA CARIBANA	COLOMBIA	8.6N	76.9W	1726 03/11
PUERTO LIMON	COSTA RICA	10.0N	83.0W	1742 03/11
COLON	PANAMA	9.4N	79.9W	1744 03/11
BOCAS DEL TORO	PANAMA	9.4N	82.2W	1756 03/11
PUNTO FIJO	VENEZUELA	11.7N	70.2W	1807 03/11
CAYENNE	FRENCH GUYANE	4.9N	52.3W	1820 03/11
PUNTA GORDA	NICARAGUA	11.4N	83.8W	1833 03/11
GEORGETOWN	GUYANA	6.8N	58.2W	1907 03/11
GOLFO VENEZUELA	VENEZUELA	11.4N	71.2W	1907 03/11
SAINTE CRUZ D SUR	CUBA	20.7N	78.0W	1909 03/11
PARAMARIBO	SURINAME	5.9N	55.2W	1924 03/11
PORLAMAR	VENEZUELA	10.9N	63.8W	1927 03/11
NUEVA GERONA	CUBA	21.9N	82.8W	2047 03/11
PUERTO CABEZAS	NICARAGUA	14.0N	83.4W	2201 03/11
ILHA DE MARACA	BRAZIL	2.2N	50.5W	2206 03/11

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.

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

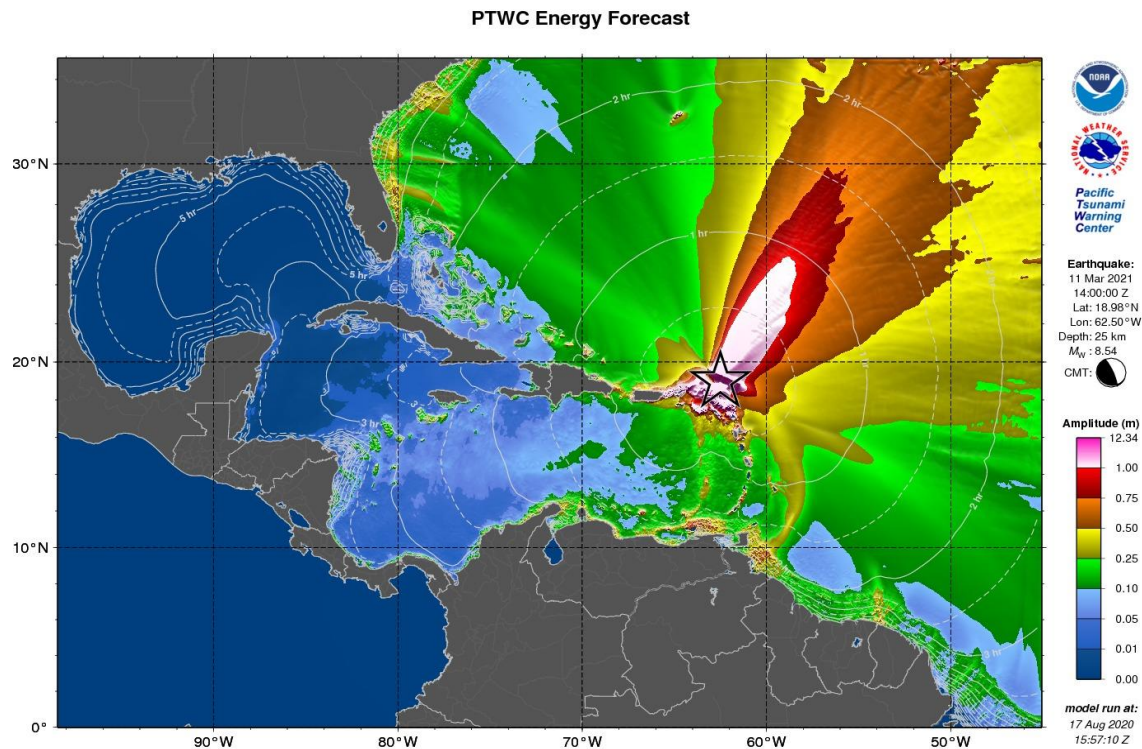
* THIS IS A TEST MESSAGE. COASTAL REGIONS OF THE US GULF
COAST... US EAST COAST... AND THE MARITIME PROVINCES OF
CANADA SHOULD REFER TO U.S. NATIONAL TSUNAMI WARNING CENTER
MESSAGES THAT CAN BE FOUND AT WWW.TSUNAMI.GOV.

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

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NNNN

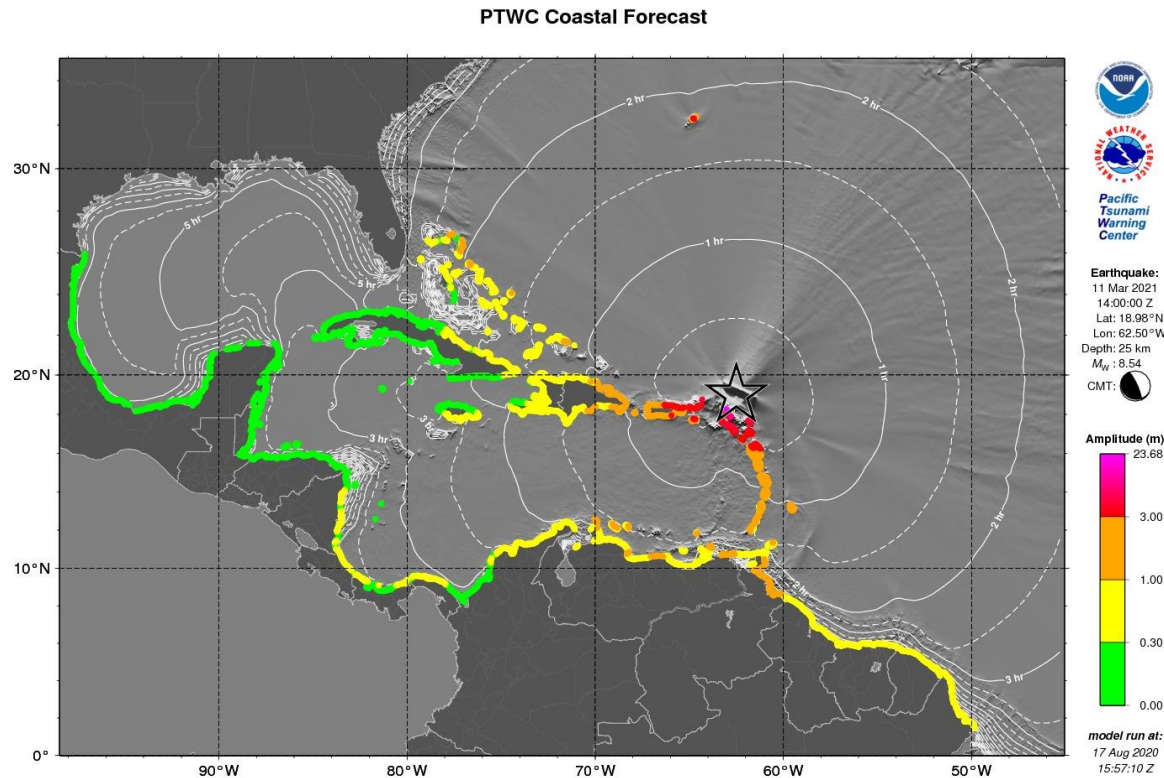
Prévision des hauteurs de vagues Petites Antilles du Nord



Carte RIFT avec l'amplitude maximale du tsunami basé sur le scénario du Petites Antilles du Nord.

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

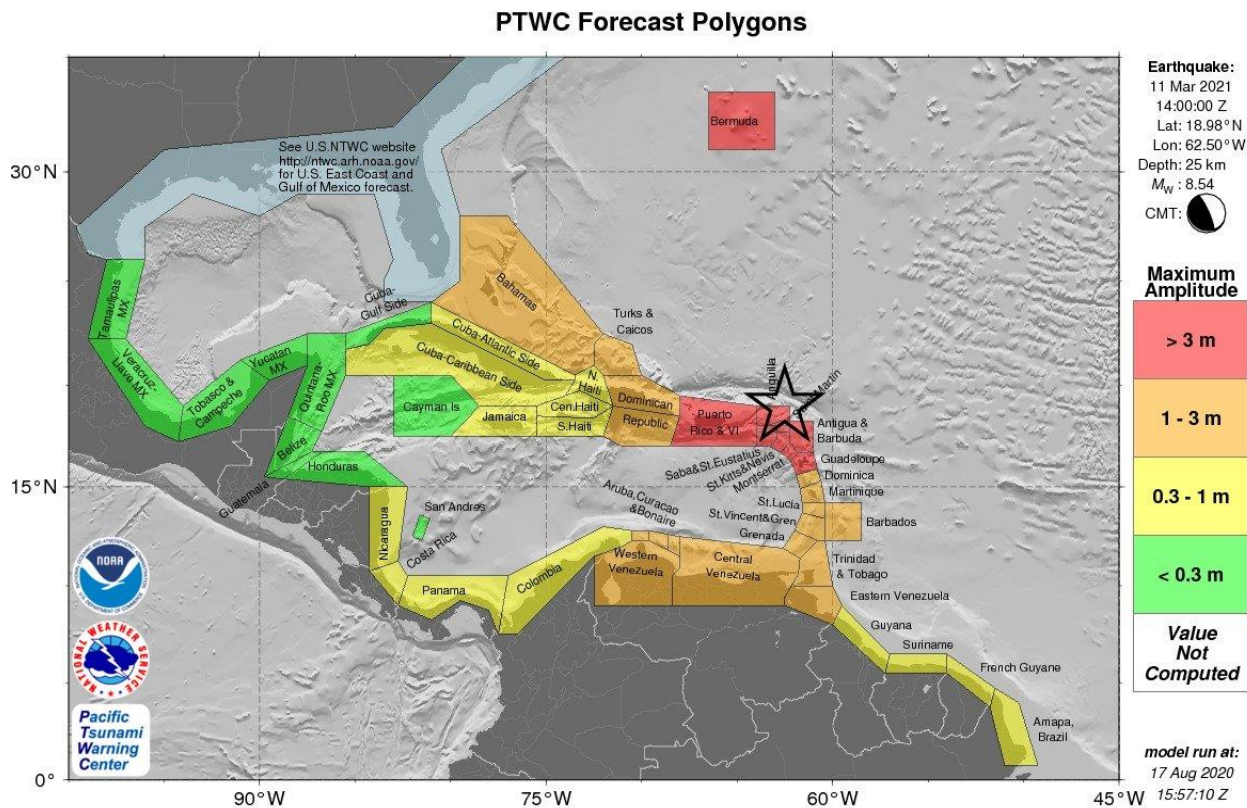
Prévision des hauteurs de vagues Petites Antilles du Nord



Carte RIFT avec l'amplitude maximale du tsunami basé sur le scénario de Petites Antilles du Nord.

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

Prévision des hauteurs de vagues Petites Antilles du Nord

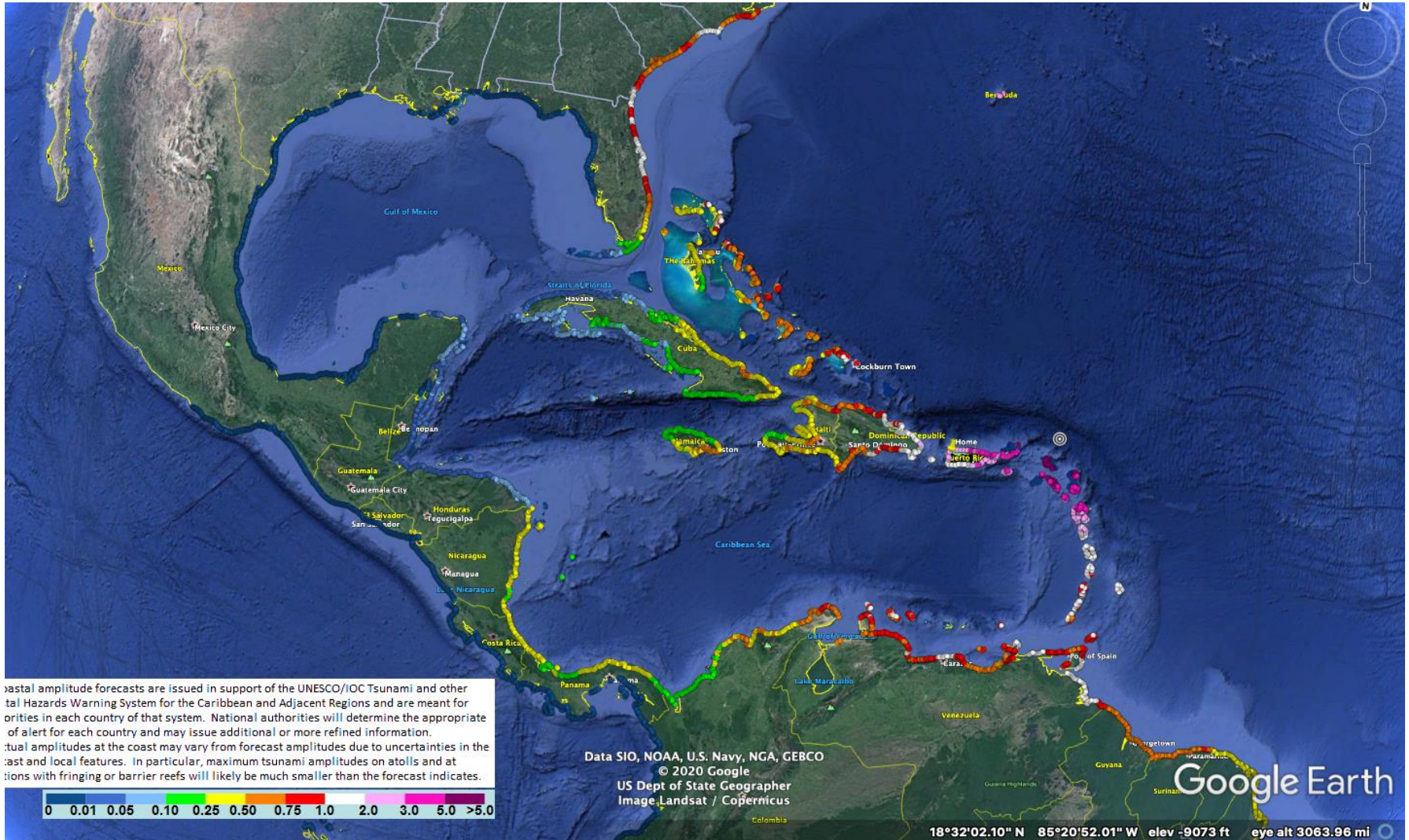


Carte RIFT prévisions de polygone de la région pour le scénario du Petites Antilles du Nord.

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

KMZ

Petites Antilles du Nord



Statistiques prévisionnelles des polygones régionaux*

Petites Antilles du Nord

Region_Name	Coastal Forecast (meters)				Offshore Forecast (meters)				Total Points
	Maximum	Mean	Median	STD	Maximum	Mean	Median	STD	
Anguilla	24.	15.00	11.00	6.70	8.8	6.40	6.30	1.90	8
Saint-Barthelemy	12.	8.70	9.00	2.80	7.4	6.10	6.80	1.60	4
Antigua_and_Barbuda	7.8	4.50	4.20	1.30	4.0	2.50	2.60	1.10	28
Puerto_Rico_and_Virgin_Islands	7.6	2.60	2.50	0.88	3.5	1.40	1.30	0.70	190
Saint_Kitts_and_Nevis	7.2	4.60	3.90	1.30	5.9	2.10	1.70	1.30	29
Saba_and_Saint_Eustatius	6.8	5.00	4.50	0.96	3.3	1.60	1.50	0.75	8
Sint_Maarten	6.8	5.70	5.30	0.81	7.6	5.90	6.20	1.10	6
Saint_Martin	5.4	5.40	5.40	0.00	6.6	6.00	6.20	0.59	3
Guadeloupe	3.7	2.80	2.70	0.59	3.9	1.20	0.96	0.74	73
Montserrat	3.4	3.00	3.10	0.41	2.0	1.00	0.87	0.43	11
Bermuda	3.0	2.90	2.90	0.12	1.9	1.20	1.10	0.49	8
Dominica	2.3	1.80	1.90	0.30	1.8	0.55	0.47	0.30	31
Atlantic_Coast_of_Dominican_Republic	2.0	1.10	1.00	0.34	1.8	0.49	0.41	0.31	129
Barbados	2.0	1.40	1.40	0.23	1.1	0.53	0.50	0.16	21
Atlantic_Coast_of_Venezuela	2.0	1.50	1.50	0.31	0.82	0.41	0.40	0.15	82
Bahamas	1.8	0.54	0.50	0.26	0.88	0.24	0.21	0.14	443
Martinique	1.8	1.40	1.30	0.23	1.8	0.68	0.63	0.35	41
Central_Coast_of_Venezuela	1.7	0.85	0.78	0.26	1.3	0.44	0.41	0.21	238
Caribbean_Coast_of_Dominican_Republic	1.7	0.87	0.82	0.33	1.3	0.42	0.36	0.22	148
Saint_Vincent_and_the_Grenadines	1.6	1.10	1.10	0.15	0.83	0.51	0.51	0.20	33
Grenada	1.6	1.10	1.10	0.29	0.97	0.58	0.56	0.21	29
Trinidad_and_Tobago	1.5	0.94	0.95	0.19	1.2	0.40	0.38	0.16	77
Curacao	1.4	0.89	0.78	0.25	0.90	0.34	0.29	0.17	27
Bonaire	1.4	0.97	0.94	0.13	1.3	0.60	0.55	0.29	15
Saint_Lucia	1.4	1.10	1.10	0.11	0.81	0.43	0.41	0.15	26
Aruba	1.3	1.10	1.10	0.15	0.67	0.45	0.41	0.14	8
Turks_and_Caicos_Islands	1.2	0.84	0.80	0.18	1.5	0.41	0.35	0.24	46
Western_Coast_of_Venezuela	1.2	0.84	0.84	0.13	1.0	0.53	0.56	0.19	100
Atlantic_Coast_of_Haiti	0.94	0.51	0.50	0.17	0.62	0.18	0.15	0.10	66
Suriname	0.83	0.59	0.55	0.09	0.65	0.23	0.20	0.11	109
Caribbean_Coast_of_Columbia	0.79	0.40	0.40	0.17	0.73	0.26	0.23	0.14	255
Guyana	0.79	0.64	0.64	0.05	0.58	0.23	0.21	0.07	101
French_Guyane	0.75	0.42	0.42	0.04	0.76	0.21	0.17	0.13	84
Caribbean_Coast_of_Haiti	0.70	0.43	0.41	0.09	0.38	0.16	0.15	0.06	89
Jamaica	0.66	0.29	0.22	0.16	0.39	0.12	0.09	0.08	146
Atlantic_Coast_of_Cuba	0.59	0.27	0.30	0.15	0.33	0.09	0.09	0.06	259
Gulf_of_Gonave_Coast_of_Haiti	0.59	0.35	0.34	0.09	0.24	0.10	0.09	0.04	140
Caribbean_Coast_of_Costa_Rica	0.45	0.35	0.33	0.05	0.35	0.19	0.18	0.06	48
Caribbean_Coast_of_Nicaragua	0.42	0.30	0.29	0.04	0.23	0.09	0.09	0.04	130
Amapa_Brazil	0.42	0.37	0.36	0.03	0.38	0.12	0.10	0.06	116
Caribbean_Coast_of_Cuba	0.41	0.12	0.10	0.07	0.23	0.04	0.03	0.03	422
Caribbean_Coast_of_Panama	0.37	0.28	0.29	0.05	0.41	0.17	0.17	0.07	179
San_Andres_and_Providencia	0.23	0.23	0.23	0.00	0.10	0.09	0.09	0.01	4
Quintana_Roo_Mexico	0.08	0.04	0.05	0.02	0.10	0.02	0.02	0.02	166
Caribbean_Coast_of_Honduras	0.08	0.04	0.03	0.02	0.05	0.02	0.01	0.01	185
Cayman_Islands	0.07	0.06	0.06	0.01	0.08	0.04	0.02	0.02	9
Gulf_of_Mexico_Coast_of_Cuba	0.05	0.03	0.03	0.01	0.03	0.01	0.01	0.00	122
Belize	0.05	0.03	0.03	0.01	0.09	0.01	0.01	0.01	90
Yucatan_Mexico	0.03	0.01	0.00	0.01	0.01	0.00	0.00	0.00	42
Caribbean_Coast_of_Guatemala	0.03	0.02	0.02	0.00	0.02	0.01	0.01	0.00	13

* 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 #13

ZCZC

WECA41 PHEB 112300

WMO ID

TSUCAX AWIPS ID

TEST...TSUNAMI MESSAGE NUMBER 13...TEST

NWS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI

2300 UTC THU MAR 11 2021

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

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

**** NOTICE **** NOTICE **** NOTICE **** NOTICE **** NOTICE ****

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

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

**** NOTICE **** NOTICE **** NOTICE **** NOTICE **** NOTICE ****

TEST... PRELIMINARY EARTHQUAKE PARAMETERS ...TEST

- * MAGNITUDE 8.5
- * ORIGIN TIME 1400 UTC MAR 11 2021
- * COORDINATES 19.0 NORTH 62.5 WEST
- * DEPTH 25 KM / 16 MILES
- * LOCATION LEEWARD ISLANDS

TEST... EVALUATION ...TEST

* THIS IS A TEST MESSAGE. AN EARTHQUAKE WITH A PRELIMINARY MAGNITUDE OF 8.5 OCCURRED IN THE LEEWARD ISLANDS AT 1400 UTC ON THURSDAY MARCH 11 2021.

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

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

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

TEST... RECOMMENDED ACTIONS ...TEST

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

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

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

TEST... POTENTIAL IMPACTS ...TEST

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

TEST... TSUNAMI OBSERVATIONS ...TEST

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

GAUGE LOCATION	GAUGE COORDINATES		TIME OF MEASURE	MAXIMUM TSUNAMI HEIGHT	WAVE PERIOD
	LAT	LOE	(UTC)	HEIGHT	(MIN)
PUERTO BILWI NI	14.0N	83.4W	2215	0.33M/ 1.1FT	24
PUERTO EL BLUFF NI	12.0N	83.7W	1936	0.31M/ 1.0FT	20
WRIGHT BEACH NC	34.2N	77.8W	1843	0.72M/ 2.4FT	20
CORN ISLAND NI	12.3N	83.1W	1847	0.33M/ 1.1FT	16
VACA KEY FL	24.7N	81.1W	1842	0.09M/ 0.3FT	20
TRIDENT PIER FL	28.4N	80.6W	1839	1.42M/ 4.6FT	20
BEAUFORT NC	34.7N	76.7W	1822	0.78M/ 2.6FT	18
ISLA MUJERES MX	21.3N	86.7W	1818	0.08M/ 0.3FT	18
ILE ROYAL GUIANA FR	5.3N	52.6W	1759	0.40M/ 1.3FT	24
LIMON CR	10.0N	83.0W	1749	0.45M/ 1.5FT	18
PUERTO MORELOS MX	20.9N	86.9W	1747	0.06M/ 0.2FT	22
SAPZURRO CO	8.7N	77.4W	1731	0.19M/ 0.6FT	22
VIRGINIA KEY FL	25.7N	80.2W	1727	0.25M/ 0.8FT	24
EL PORVENIR PA	9.6N	78.9W	1724	0.36M/ 1.2FT	28
SAN ANDRES CO	12.6N	81.7W	1729	0.20M/ 0.7FT	18

SETTLEMENT PT BS	26.7N	79.0W	1710	0.39M/	1.3FT	14
PORT ROYAL JM	17.9N	76.8W	1657	0.59M/	1.9FT	18
ISLA NAVAL CO	10.2N	75.8W	1656	0.25M/	0.8FT	24
SANTA MARTA CO	11.2N	74.2W	1639	0.49M/	1.6FT	22
BERMUDA UK	32.4N	64.7W	1608	2.87M/	9.4FT	22
PRICKLEY BAY GD	12.0N	61.8W	1553	1.44M/	4.7FT	26
BULLEN BAY CURACAO	12.2N	69.0W	1546	1.40M/	4.6FT	16
BARAHONA DO	18.2N	71.1W	1537	0.82M/	2.7FT	22
GANTERS BAY ST LUCI	14.0N	61.0W	1532	1.14M/	3.8FT	26
DART 41425	28.7N	65.7W	1529	0.16M/	0.5FT	22
CAP HAITIEN HT	19.8N	72.2W	1525	0.48M/	1.6FT	18
CALLIAQUA VC	13.1N	61.2W	1527	1.27M/	4.2FT	28
GRAND TURK ISLAND T	21.4N	71.1W	1524	0.89M/	2.9FT	24
CULEBRA IS PR	18.3N	65.3W	1514	3.16M/	10.4FT	14
DART 42407	15.3N	68.2W	1516	0.08M/	0.3FT	26
MAGUEYES ISLAND PR	18.0N	67.0W	1512	1.14M/	3.8FT	28
PUERTO PLATA DO	19.8N	70.7W	1509	0.82M/	2.7FT	28
FORT DE FRANCE MQ	14.6N	61.1W	1507	1.27M/	4.2FT	22
PUNTA CANA DO	18.5N	68.4W	1506	1.29M/	4.2FT	16
LAMESHURBAYSTJOHNVI	18.3N	64.7W	1504	3.80M/	12.5FT	28
MONA ISLAND PR	18.1N	67.9W	1509	1.26M/	4.1FT	22
LE ROBERT MARTINIQU	14.7N	60.9W	1508	1.22M/	4.0FT	28
BLOWING POINT AI	18.2N	63.1W	1502	9.02M/	29.6FT	16
ROSEAU DM	15.3N	61.4W	1503	2.26M/	7.4FT	18
LE PRECHEUR MARTINI	14.8N	61.2W	1459	1.29M/	4.2FT	20
PORTSMOUTH DM	15.6N	61.5W	1456	2.23M/	7.3FT	24
SAINTE MARTIN FR	18.1N	63.1W	1502	5.44M/	17.9FT	26
DART 41420	23.4N	67.3W	1457	0.17M/	0.6FT	18
MAYAGUEZ PR	18.2N	67.2W	1457	2.49M/	8.2FT	26
POINT A PITRE GP	16.2N	61.5W	1451	2.68M/	8.8FT	26
DESHAIES GUADELOUPE	16.3N	61.8W	1454	2.74M/	9.0FT	26
ESPERANZA VIEQUES P	18.1N	65.5W	1450	2.40M/	7.9FT	20
ARECIBO PR	18.5N	66.7W	1450	2.31M/	7.6FT	22
YABUCOA PR	18.1N	65.8W	1448	2.88M/	9.5FT	22
BASSETERRE KN	17.3N	62.7W	1445	5.15M/	16.9FT	16
DART 41421	23.4N	63.8W	1445	0.22M/	0.7FT	24
SAN JUAN PR	18.5N	66.1W	1446	2.87M/	9.4FT	14
LIMETREE VI	17.7N	64.8W	1447	2.25M/	7.4FT	20
ST CROIX VI	17.7N	64.7W	1435	3.56M/	11.7FT	24
PARHAM AT	17.1N	61.8W	1439	3.56M/	11.7FT	22
DESIRADE GUADELOUPE	16.3N	61.1W	1434	2.91M/	9.5FT	16

* 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.

* 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

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.

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 website's navigation bar with links for 'Page d'accueil', 'Régions du TsunamiZone', 'Autres langues', 'Contactez-nous', 'Recherche', and 'Connexion'. Below the navigation bar is a banner image of a coastline with a person running. The main content area features a blue header with 'Inscrivez-vous ici!' and 'Qui participe?' (highlighted with a red box), and 'Caribe Wave' on the right. The main content is divided into two columns. The left column, titled 'BIENVENUE SUR TSUNAMIZONE !', includes language options for 'ENGLISH' and 'ESPAÑOL', a paragraph about tsunami preparedness, and a call to action 'Inscrivez-vous à l'exercice CARIBE WAVE 20'. The right column, titled 'ACTIVÉTÉS OFFICIELLES 2020', lists several events: '16-20 Mars' (Puerto Rico, Îles vierges américaines, CARIBE WAVE), '23-27 Mars' (Californie & Alaska), '24 Mars' (LANTEX20), '26 Mars' (PACIFEX20), and '5 de Novembre' (Journée mondiale de sensibilisation aux tsunamis). Below the text are three instructional panels: 'SE BAISSER! S'ABRITER! ET S'AGRIPPER!', 'ALLER À TERRE ÉLEVÉE OU À L'INTÉRIEUR DES TERRES', and 'RESTER LA!'.

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 participe.**

The
TsunamiZone



Inscrivez-vous ici!

Qui participe?

Caribe Wave



BIENVENUE SUR TSUNAMIZONE !

ENGLISH | **ESPAÑOL**

Chacun, d'où qu'il soit, devrait savoir comment se préparer au risque de tsunami et quoi faire pour se mettre en sécurité. Cela concerne aussi bien les personnes qui habitent et/ou travaillent sur la littorale que celles qui y transitent ou y séjournent temporairement.

Inscrivez-vous à l'exercice CARIBE WAVE 20 pour faire partie des nombreuses personnes et organisations qui partout à travers le monde participent à des activités de préparation aux tsunamis !



ACTIVETÉS OFFICIELLES 2020

16-20 Mars
[Puerto Rico, Îles vierges américaines,](#)
[CARIBE WAVE](#) (19 Mars)

23-27 Mars
[Californie & Alaska](#)

24 Mars
[LANTEX20](#)

26 Mars
[PACIFEX20](#)

5 de Novembre
[Journée mondiale de sensibilisation aux tsunamis](#)

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

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



PARTICIPATION TOTALS

123 participants are registered in the 2021 TsunamiZone (as of 01/28/2021 3:25 AM PST).

Category	Participants	Participation totals for each area	Total
Individuals/Families	9		
Childcare and Pre-Schools	0	Anguilla	0
K-12 Schools and Districts	0	Antigua and Barbuda	0
Colleges and Universities	0	Aruba	0
Local Government	39	Bahamas	3
State Government	10	Barbados	0
Federal/National Government (Including Military)	7	Belize	0
Tribes/Indigenous Peoples	0	Bermuda	0
Businesses	0	Bonaire	0
Hotels and Other Lodgings	0	Brazil	0
Healthcare	0	British Virgin Islands	14
Senior Facilities/Communities	0	Cayman Islands	0
Disability/AFN Organizations	0	Colombia	14
Non-Profit Organizations	11	Costa Rica	0
Neighborhood Groups	0	Cuba	0
Preparedness Organizations	0	Curacao	0
Faith-based Organizations	0	Dominica	0
Museums, Libraries, Parks, etc.	0	Dominican Republic	0
Volunteer/Service Clubs	0	France	0
Youth Organizations	0	Grenada	0
Animal Shelter/Service Providers	0		
Agriculture/Livestock Sector	0		
Volunteer Radio Groups	47		
Science/Engineering Organizations	0		
Media Organizations	0		
Other	0		

Guadeloupe	0
Guatemala	0
Guyana	0
Guyane	0
Haiti	0
Honduras	0
Jamaica	0
Martinique	0
Mexico	0
Montserrat	0
Netherlands	0
Nicaragua	0
Panama	0
Puerto Rico	42
 Adjuntas	0
 Aguada	0
 Aguadilla	0
 Aguas Buenas	0
 Aibonito	0
 Anasco	0
 Arecibo	0
 Arroyo	0
 Barceloneta	0
 Barranquitas	0
 Bayamon	0
 Cabo Rojo	0
 Camuy	0
 Canovanas	0
 Caguas	0
 Carolina	0
 Catano	0
 Cayey	0
 Ceiba	0
 Ciales	0
 Cidra	0
 Coamo	0

Comerio	0
Corozal	0
Culebra	0
Dorado	0
Fajardo	0
Florida	0
Guanica	0
Guayama	0
Guaynabo	0
Guayanilla	0
Gurabo	0
Hatillo	0
Hormigueros	0
Humacao	0
Isabela	0
Jayuya	0
Juana Diaz	0
Juncos	0
Lajas	0
Lares	0
Las Marias	0
Las Piedras	0
Loiza	0
Luquillo	0
Manati	0
Maricao	0
Maunabo	0
Mayaguez	0
Moca	0
Morovis	0
Naguabo	0
Naranjito	0
Orocovis	0
Patillas	0
Penuelas	0
Ponce	0
Quebradillas	0
Rincon	0
Rio Grande	0
Sabana Grande	0
Salinas	0
San German	0
San Juan	0
San Lorenzo	0
San Sebastian	0
Santa Isabel	0

Toa Alta	0
Toa Baja	0
Trujillo Alto	0
Utua	0
Vega Alta	0
Vega Baja	0
Vieques	0
Villalba	0
Yabucoa	0
Yauco	0
Saba	0
Saint Barthelemy	0
Saint Kitts and Nevis	0
Saint Lucia	0
Saint Martin	0
Saint Vincent and the Grenadines	0
Sint Eustatius	0
Sint Maarten	0
Suriname	0
Trinidad and Tobago	0
Turks and Caicos Islands	0
US Virgin Islands	0
Venezuela	50

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 á travers 2021.
- Rapport final CARIBE WAVE 2013 á travers 2020.
- Plan de Communication de PTWC pour les Caraïbes.
- Disponible sur www.caribewave.info
- Questions sur l'exercice pourraient être adressées aux membres du Groupe de travail Caribe Wave 21.

COVID Considérations

- Notez que la distance sociale / physique et la mesure de quarantaine / verrouillage peuvent toujours être en vigueur
- Il est encouragé que les États membres envisagent des événements ou des activités en ligne / virtuels pour faire participer le public
- La participation du public n'a pas besoin d'être une marche complète sur le tsunami, encouragez les gens à vérifier leur plan d'urgence / route / fournitures du tsunami et s'inscrire sur tsunamizone.org
- Notez les directives CARIBE EWS pour les tsunamis - http://www.ioc-tsunami.org/index.php?option=com_oe&task=viewDocumentRecord&docID=26796

UNESCO/IOC

ICG/CARIBE EWS

Tsunami Services and Evacuation/Sheltering Considering Physical Distancing Practices

Context

The current COVID-19 response has required changes in workloads, work venues as well as physical distancing practices worldwide. This may create ambiguity or confusion with regards to warning services and tsunami response actions, like evacuation, and the implementation of national response plans. This document clarifies the status of the regional tsunami services, as well as suggests best practices for local and national actions.

Regional Tsunami Services

The Pacific Tsunami Warning Center, as the UNESCO IOC CARIBE EWS Tsunami Service Provider (TSP), continues to operate 24 x 7 to provide tsunami services to the Caribbean and Adjacent Regions according to the [CARIBE EWS Users Guide](#).

In the case that operations were affected, a communication will be issued to its stakeholders, including the CARIBE EWS Tsunami Warning Focal Points (TWFP) and National Tsunami Warning Centers (NTWC). In such circumstances alternative arrangements for regional warning services would be put in place as much as feasible.

Coordination is also maintained with the Caribbean Tsunami Warning Program (CTWP), the Caribbean Tsunami Information Center (CTIC) and the Central American Tsunami Advisory Centre (CATAC).

It is important to reiterate that each country is solely responsible for the safety of its own population from tsunami hazards. The country's NTWC or Emergency Management Agency (EMA) is the authority for issuing a tsunami warning for any or all of its coasts, as the CARIBE EWS TSP information is only advisory.

It is also important to recall that for the case of local tsunamis the natural tsunami warning signals should be the trigger for immediate self-evacuation. Persons along low-lying coasts should self-evacuate and not wait for their National Tsunami Warning Center to issue a tsunami warning.

National and Local Tsunami Services and Evacuation/Sheltering Best Practices during COVID-19

1. 24/7 arrangements of the national agencies to provide timely warnings to the local and national authorities, media and the public, when their action is required.
2. When the NTWC and/or the Emergency Management Agency issues a tsunami warning, the desired action for the public is to evacuate from at-risk locations.
3. The public needs to continue to use natural warning signs for tsunamis as cues for response, i.e. if people are near the coast and experience any of a tsunami's natural warning signs, they should quickly leave at-risk locations and move inland or to higher ground. The natural tsunami warning signs are strong or long ground shaking (from an earthquake), a sudden change of the sea level or a loud roar from the sea (from a tsunami).
4. Immediate life-safety is the priority when evacuations are directed. It is important that the public understands that AN EVACUATION ORDER TAKES PRIORITY OVER THE STAY-AT-HOME

Autres informations

- Des outils additionnels seront placés sur les pages de CTWP (www.caribewave.info).
- Envoyer à 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/caribewave21>).

Lignes directrices pour la planification d'un programme d'exercices communautaire pluriannuel

Intergovernmental Oceanographic Commission
Manuals and Guides

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Multi-Annual Community Tsunami Exercise Programme

Guidelines for the Tsunami and other
Coastal Hazards Warning System for
the Caribbean and Adjacent Regions

(Draft 2: 06/08/2020)

UNESCO

- Draft 2: 06/08/2020 - Mise à jour importante du projet précédent intitulé "Directives méthodologiques"
- Ce guide est recommandé aux États membres pour qu'ils envisagent les exercices Caribe Wave.
- Fournit aux dirigeants communautaires de mener et d'évaluer un exercice d'évacuation du tsunami avec une méthodologie et des outils.
- Il est particulièrement pertinent pour les agences qui seraient directement exposées aux effets d'un tsunami, comme les autorités locales, les écoles, les associations et les entreprises.
- Ce guide vise à promouvoir une culture d'exercice partagée à développer entre les autorités municipales chargées d'assurer la sécurité des habitants de leur quartier et les leaders communautaires - acteurs de la vie sociale et économique du territoire.
- Il sera affiché sur le site Web de la CW 21 à Caribewave.info

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Chronologie

ACTION	DUE DATE
Lettre circulaire envoyée par le CIO aux États membres	✓Septembre 2020
Brouillon du manuel distribué entre le ICG CARIBE EWS TNC/TWFP et le TT CARIBE WAVE 21	✓Septembre 2020
Date limite pour les commentaires	✓Octobre 2020
Manuel d'exercice disponible en ligne	✓Novembre 2020
1er Webinaire CW	✓26 Janvier 2021 - Anglais ✓27 Janvier 2021 - Espagnol 28 Janvier 2021 – Français (Présentation général, produits PTWC, enregistrement)
2e Webinaire CW	23 Février 2021 - Anglais 24 Fevrier2 2021 – Espagnol 25 Février 2021 – Français Mise à jour, méthodes de communication, questionnaire CW)
Les pays indiquent le scénario sélectionné	26 Février 2021
Exercice	11 Mars 2021
Évaluation de l'exercice dû	26 Mars 2021

Questions, Commentaires

Merci de votre participation

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