CARIBE WAVE/LANTEX 2014

2ème Webinaire

21 février 2014

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WELCOME!!!!
CARIBE WAVE 2014 Webinar Series

- ✓22 January in English
- ✓23 de enero en Español
- ✓24 janvier à Français
- ✓19 February in English
- ✓ 20 de febrero en Español
- ✓ 21 février à Français

CADRE INSTITUTIONNEL DE RÉFÉRENCE POUR L'EXERCISE

- Le Groupe intergouvernemental de coordination du Système d'alerte aux tsunamis et autres menaces côtières dans les Caraïbes et régions adjacentes **(ICG / CARIBE-EWS)** et Centre d'information des tsunamis pour les Caraïbes (**CTIC)**
- L'Agence de gestion des urgences en cas de catastrophe des Caraïbes **(CDEMA)**
- Le Centre de coordination pour la prévention des catastrophes naturelles en Amérique centrale **(CEPREDENAC)**
- Le Programme national US NWS d'atténuation des risques de tsunami **(NTHMP)** et le Programme d'alerte aux tsunamis pour les Caraïbes **(CTWP)**

Metriques

Objectif	Résultat for 2011	Métrique 2013	Résultat 2013	Métrique 2014
Participation des états membres du ICG CARIBE EWS	**75%**	**85%**	**94%**	**95%**
Respect de la chronologie	**100%**	**100%**	proche de **100%**	**100%**
Participation de la communauté (au-delà de TWFP)	**61%**	**75%**	**69%**	**75%**
TWP reçoit le message fictif	**90%**	**100%**	**98%**	**100%**
Pays soumettant le questionnaire sur l'exercice.	**94%**	**100%**	**90%**	**100%**

Manuel de l’ Exercice

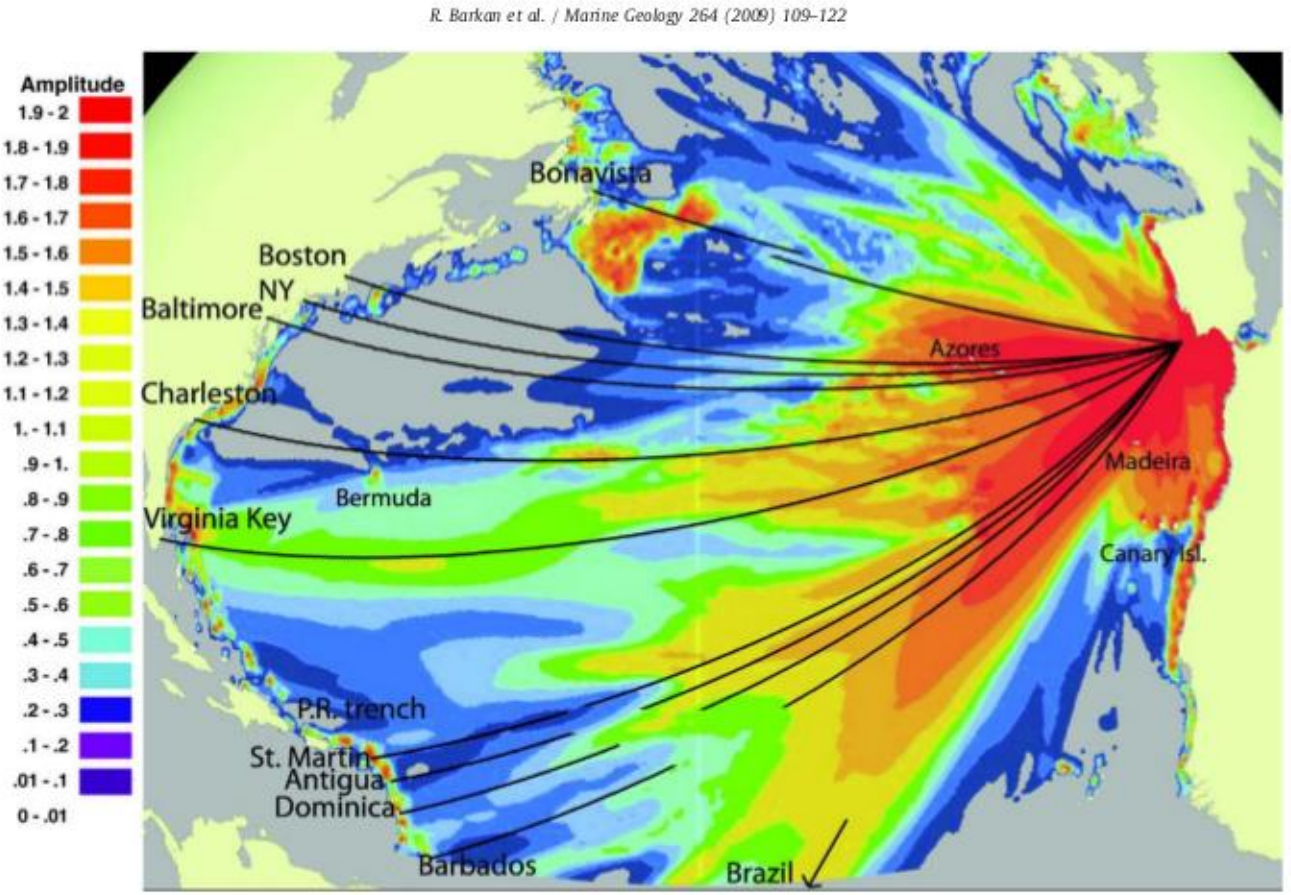
- Les manuels de l'exercice sont disponibles sur www.caribewave.info
- Le manuel de l’ UNESCO IOC CARIBE EWS est disponible en anglais et en espagnol.
- Le manuel du NTHMP et un supplément à celui du PTWC pour le GOM est disponible en ligne, seulement en anglais.

Scenario du Portugal

- 26 Mars 2014
- 10h00 UTC
- M 8.5, 270 km au sud-ouest de Portugal.
- Les premiers messages seront émis par le PTWC et NTWC. D'autres centres de surveillance émettront également leurs produits.

1755 Lisbon, Portugal Event

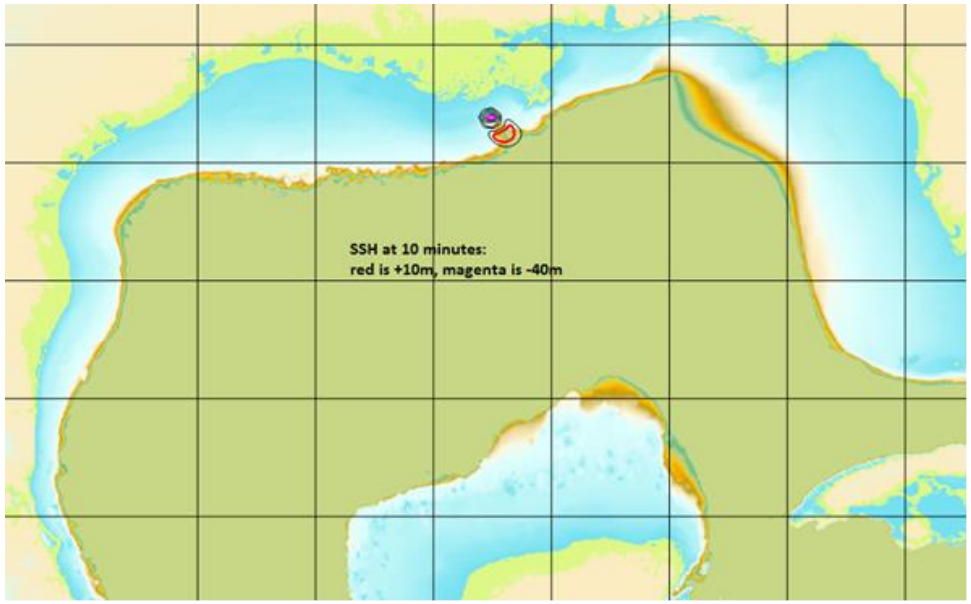
- ~8.5-9.0 Mw
- Tsunami run-up reached 5–15 m along the coasts of Portugal and Morocco
- Up to 100,000 deaths
- Waves with estimated runup heights of 7 meters were observed at Saba, Netherlands, Antilles



R. Barkan et al. / Marine Geology 264 (2009) 109–122

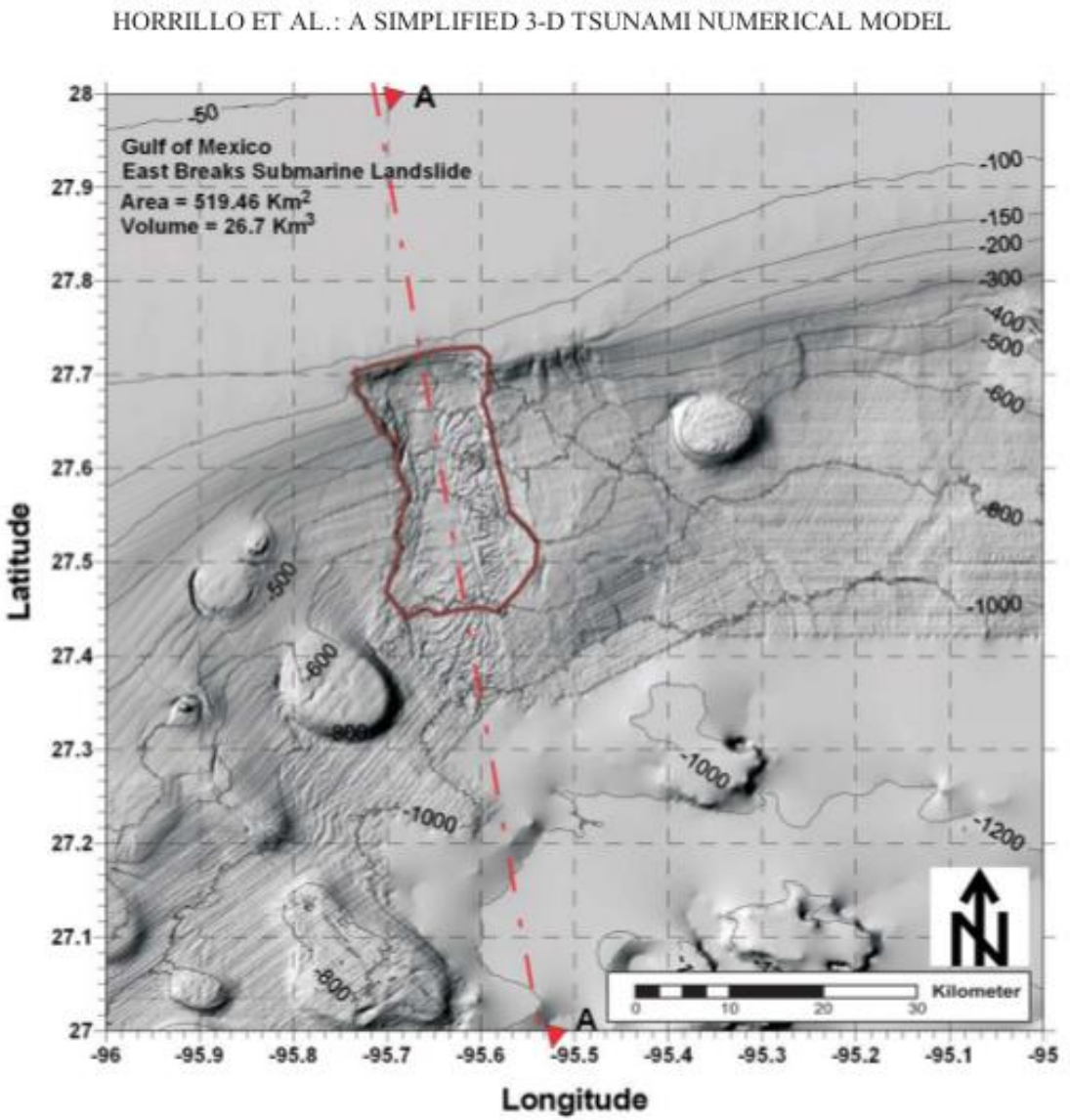
Scenario du Golfe du Mexique

- 26 Mars 2014
- 14h00 UTC
- M 6.6
- Extrémité nord du Canyon de Mississippi.
- Le glissement de terrain aura 100 km cubes de volume; une largeur de 22 km; une longueur de 65 km, et 120m d'épaisseur maximale
- Les messages initiaux seront émis par le PTWC et NTWC..



Horillo study (Gulf of Mexico)

- Three-Dimensional Navier-Stokes (3-D NS) model for two fluids (water-mudslide).
- Maximum generated wave height ~44m
- Positive wave amplitude of ~20 m
- Negative wave amplitude of ~24 m



CARIBE WAVE/LANTEX 2014

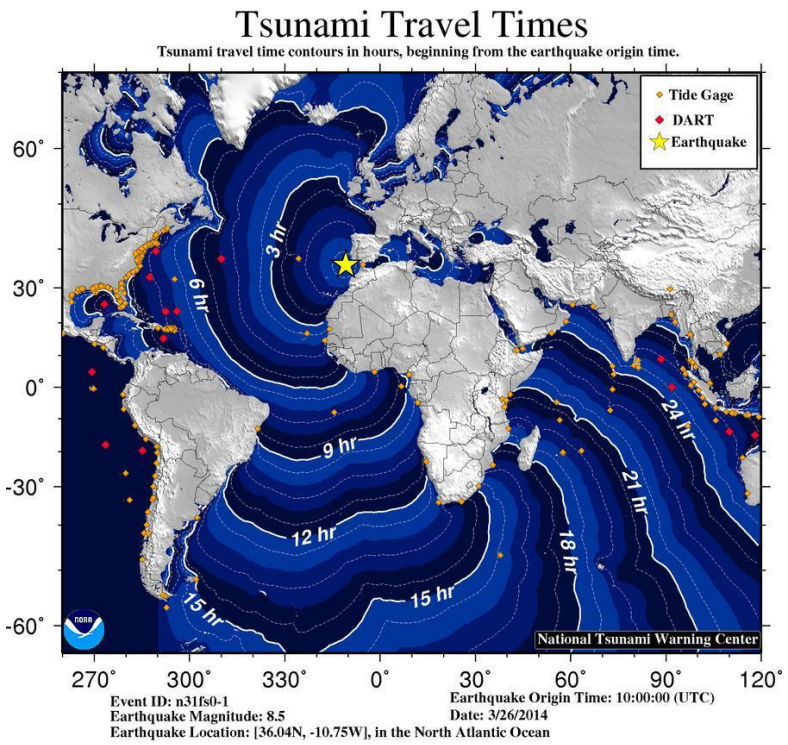


Figure A: Temps de déplacement pour le scenario de tsunami du Portugal

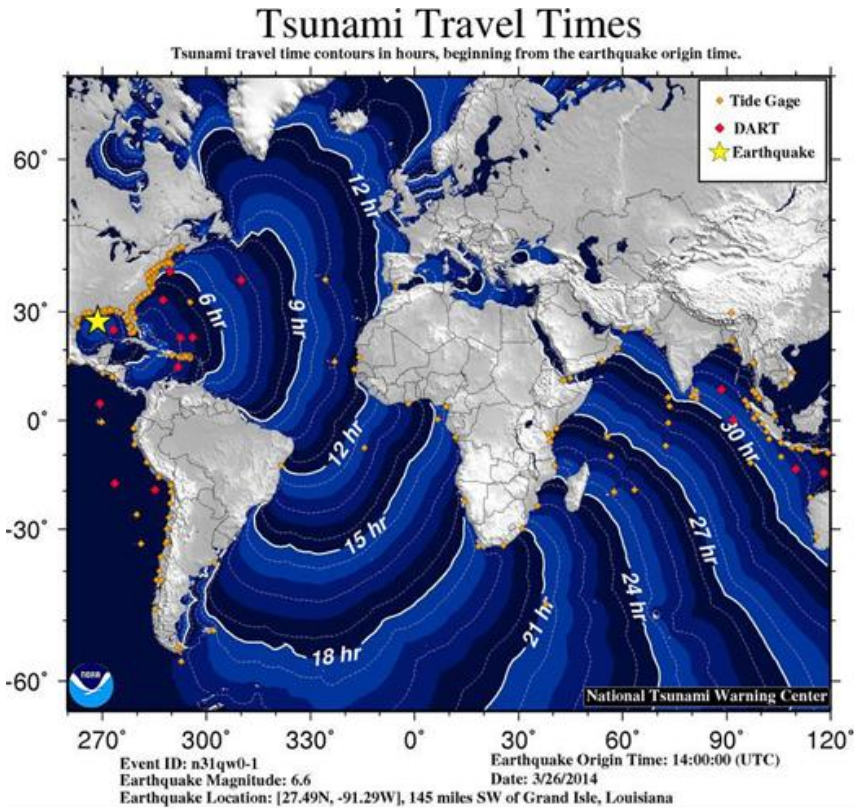


Figure B. Temps de déplacement pour le scenario du glissement de terrain sous-marin dans le golfe du Mexique.

CARIBE WAVE LANTEX 2014

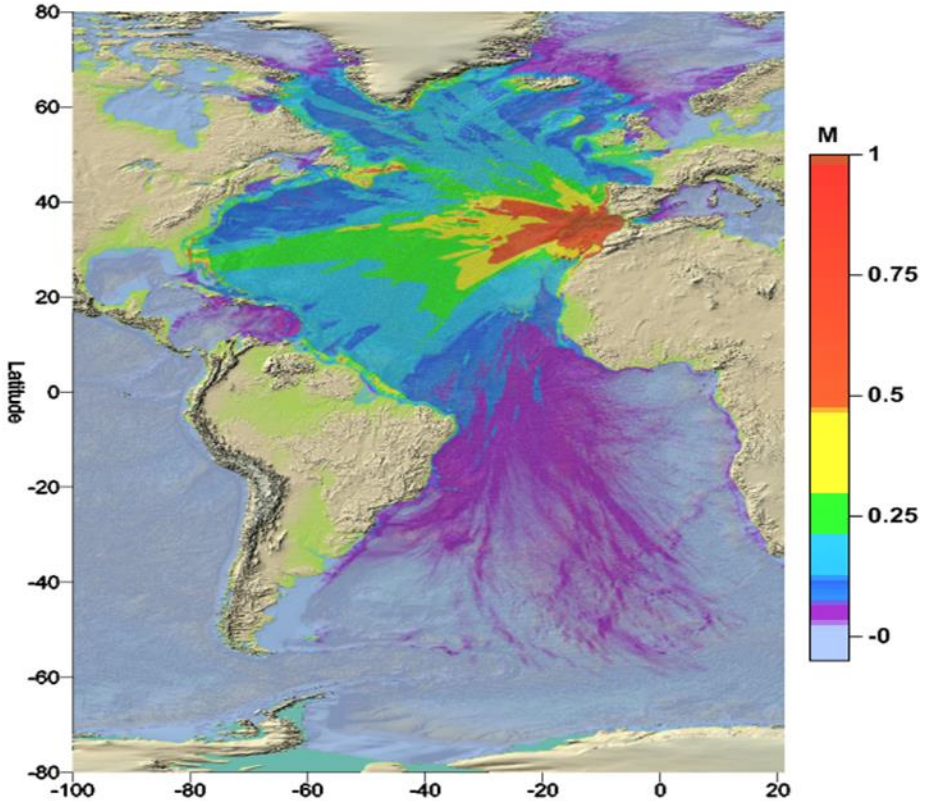


Figure A: Prévision de la hauteur des vagues pour le scenario de tsunami du Portugal

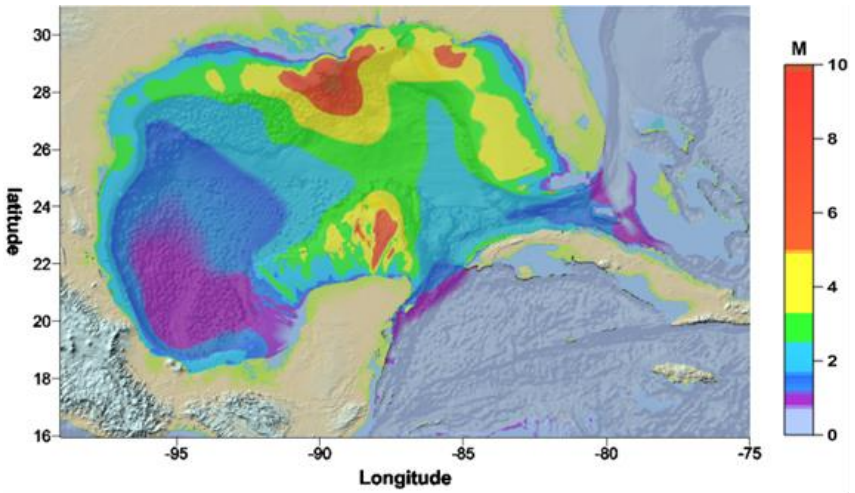


Figure B. : Prévision de la hauteur des vagues pour le scenario du glissement de terrain sous-marin dans le golfe du Mexique.

Amplitude des Vagues
CARIBE WAVE 2014

- VERACRUZ MX 0.0FT
- MALIN HEAD IE 1.6FT
- NEW LONDON CT 2.4FT
- ATLANTIC CITY NJ 2.2FT
- FORTALEZA BR 2.6FT
- ARECIBO PR 4.0FT
- PONTA DELGADA PT 12.2FT
- LIMETREE VI 1.7FT
- BERMUDA UK 6.0FT
- CAP HAITIEN HT 2.3FT
- LA PALMA ES 7.7FT
- TRIDENT PIER FL 4.3FT
- POINT FORTIN TT 3.4FT
- LE ROBERT MQ 3.0FT
- POINT A PITRE GP 3.1FT
- PORT ST CHARLES BB 4.3FT
- PUNTA CANA DO 2.7FT
- CHARLOTTE-AMALIE VI 1.7FT
- TORTOLA VI UK 1.6FT3
- LE ROBERT MQ 3.0FT

Types de produits émis pour les messages fictifs (DUMMY) avec les méthodes de transmission

CENTER	WMO ID	AWIPS ID	NWWS	GTS	EMWIN	AISR	FAX	EMAIL
NTWC	WEXX30 PAAQ	TSUATE	Yes	Yes	Yes	Yes	Yes	Yes
PTWC	WECA41 PHEB	TSUCAX	Yes	Yes	Yes	Yes	Yes	Yes

Table 3. Product types

NWWS	NOAA Weather Wire Service
GTS	Global Telecommunications System
EMWIN	Emergency Manager's Weather Information Network
AISR	Aeronautical Information System Replacement

Dans le cas de NTWC le message fictif sera publié avec WMO ID WEXX30 PAAQ (au lieu de WEXX20 PAAQ) et AWIPS ID TSUATE (au lieu de TSUAT1).

Chronologie des messages
Scénario du Portugal

Date (UTC)	Time (UTC)	US NTWC Message				PTWC Message			
		#	Type	Dummy	Email	#	Type	Dummy	Email
03/26/2014	1000		------Earthquake Occurs------						
03/26/2014	1005		Dummy	Yes	Yes		Dummy	Yes	Yes
03/26/2014	1005	01	Information	No	Yes	01	Watch	No	Yes
03/26/2014	1103	02	Watch	No	Yes	02	Watch	No	Yes
03/26/2014	1204	03	Watch	No	Yes	03	Watch	No	Yes
03/26/2014	1300	04	Watch	No	Yes	04	Watch	No	Yes
03/26/2014	1400	05	Adv/Warn	No	Yes	05	Watch	No	Yes
03/26/2014	1500	06	Adv/Warn	No	Yes	06	Watch	No	Yes
03/26/2014	1602	07	Adv/Warn	No	Yes	07	Watch	No	Yes
03/26/2014	1703	08	Adv/Warn	No	Yes	08	Watch	No	Yes
03/26/2014	1805	09	Adv/Warn	No	Yes	09	Watch	No	Yes
03/26/2014	1905	10	Adv/Warn	No	Yes	10	Watch	No	Yes
03/26/2014	2002	11	Adv	No	Yes	11	Watch	No	Yes
03/27/2014	2101	12	Adv	No	Yes	12	Watch	No	Yes
03/27/2014	2201	13	Adv	No	Yes	13	Watch	No	Yes
03/27/2014	2255	14	Can	No	Yes				Yes
03/26/2014	2300	14				14	Watch	No	Yes
03/26/2014	2355	15				15	Can	No	Yes

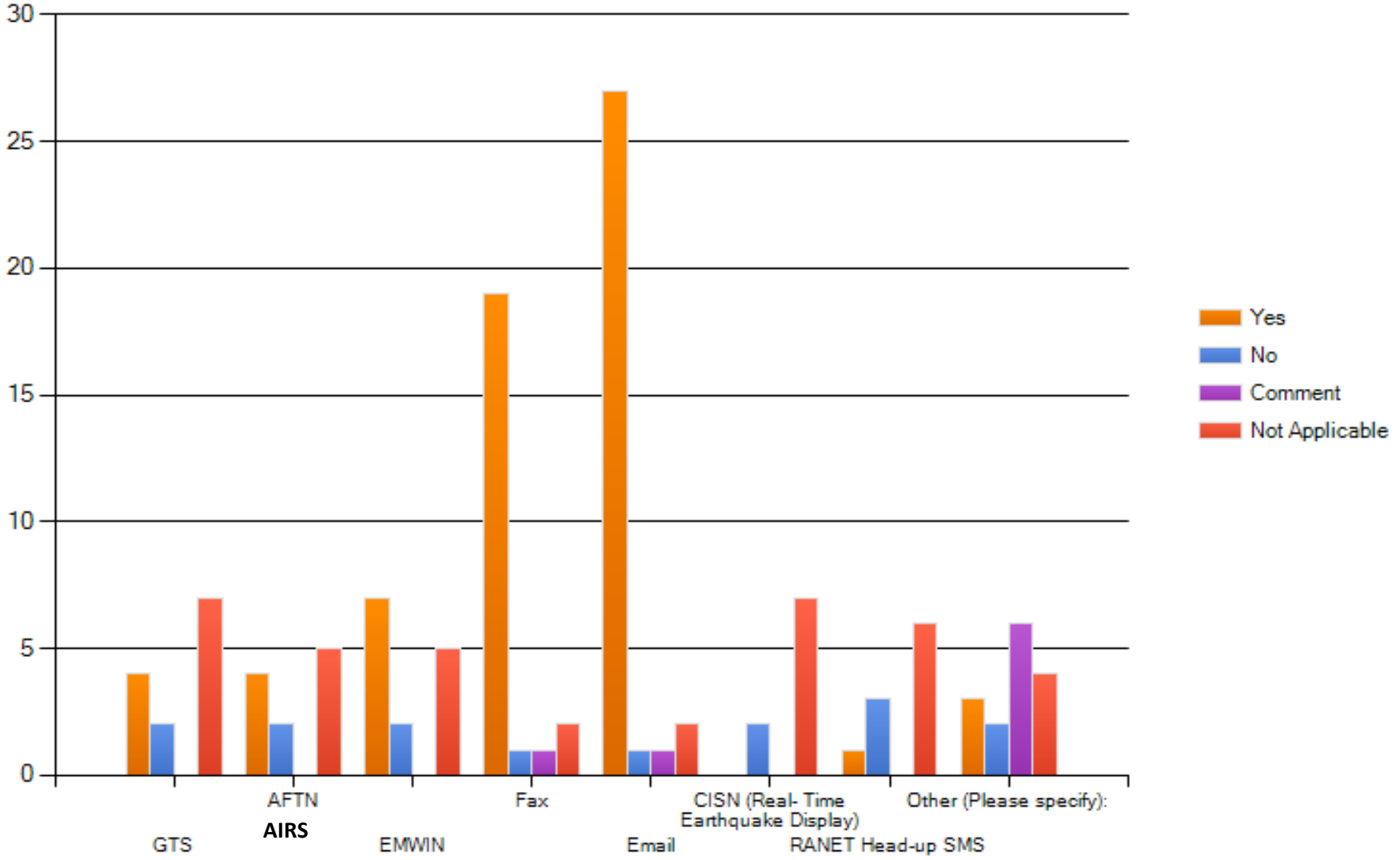
US NTWC - Chronologie des messages Scénario du Golfe du Mexique

Date (UTC)	Time (UTC)	NTWC Message			
		#	Type	Dummy	Email
03/26/2014	1400		***Earthquake Occurs***		
03/26/2014	1402	01	Warn	Yes	Yes
03/26/2014	1431	02	Warn	No	Yes
03/26/2014	1502	03	Adv/Warn	No	Yes
03/26/2014	1601	04	Adv/Warn	No	Yes
03/26/2014	1703	05	Adv/Warn	No	Yes
03/26/2014	1801	06	Adv/Warn	No	Yes
03/26/2014	1902	07	Adv/Warn	No	Yes
03/26/2014	2001	08	Adv/Warn	No	Yes
03/26/2014	2100	09	Adv	No	Yes
03/26/2014	2200	10	Adv	No	Yes
03/26/2014	2302	11	Can	No	Yes

PTWC --Chronologie des messages Scénario du Golfe du Mexique

Date (UTC)	Time (UTC)	PTWC Message			
		#	Type	Dummy	Email
03/26/2014	1400		***Earthquake Occurs***		
03/26/2014	1403		Dummy	Yes	Yes
03/26/2014	1403	01	Information	Yes	Yes*
03/26/2014	1502	02	Watch	No	Yes*
03/26/2014	1602	03	Watch	No	Yes*
03/26/2014	1702	04	Watch	No	Yes*
03/26/2014	1802	05	Watch	No	Yes*
03/26/2014	1902	06	Watch	No	Yes*
03/26/2014	2002	07	Watch	No	Yes*
03/26/2014	2102	08	Watch	No	Yes*
03/26/2014	2202	09	Watch	No	Yes*
03/26/2014	2302	10	Can	No	Yes*

1B.5 :Indicate thru which systems the initial PTWC or WCATWC CARIBE WAVE 13 scenario exercise start message was received by your country TWFP.



Tous les messages de simulation seront envoyés au moment même de l'exercice à travers courrier électronique, mais seulement à ceux qui se sont enregistrés.

Registration sur PRSN

http://www.prsn.uprm.edu/caribewave-lantex2014/registro/

Disponible aussi sur
http://caribewave.info

Date limite pour la REGISTRATION:
LUNDI 24 MARS, 2014

Chronologie des messages
Scénario du Portugal

Date (UTC)	Time (UTC)	US NTWC Message				PTWC Message			
		#	Type	Dummy	Email	#	Type	Dummy	Email
03/26/2014	1000		------Earthquake Occurs------						
03/26/2014	1005		Dummy	Yes	Yes		Dummy	Yes	Yes
03/26/2014	1005	01	Information	No	Yes	01	Watch	No	Yes
03/26/2014	1103	02	Watch	No	Yes	02	Watch	No	Yes
03/26/2014	1204	03	Watch	No	Yes	03	Watch	No	Yes
03/26/2014	1300	04	Watch	No	Yes	04	Watch	No	Yes
03/26/2014	1400	05	Adv/Warn	No	Yes	05	Watch	No	Yes
03/26/2014	1500	06	Adv/Warn	No	Yes	06	Watch	No	Yes
03/26/2014	1602	07	Adv/Warn	No	Yes	07	Watch	No	Yes
03/26/2014	1703	08	Adv/Warn	No	Yes	08	Watch	No	Yes
03/26/2014	1805	09	Adv/Warn	No	Yes	09	Watch	No	Yes
03/26/2014	1905	10	Adv/Warn	No	Yes	10	Watch	No	Yes
03/26/2014	2002	11	Adv	No	Yes	11	Watch	No	Yes
03/27/2014	2101	12	Adv	No	Yes	12	Watch	No	Yes
03/27/2014	2201	13	Adv	No	Yes	13	Watch	No	Yes
03/27/2014	2255	14	Can	No	Yes				Yes
03/26/2014	2300	14				14	Watch	No	Yes
03/26/2014	2355	15				15	Can	No	Yes

Registration

As of Feb. 19, 2014

Type of Participant	Number of Participants	Number of Registrations
Tsunami Warning Focal Points	697	26
Tsunami National Contacts	50	1
State Agencies	517	6
International Agencies	3	2
Private Companies	10	1
Educational Organizations	1274	3
Media (Includes Social Media)	2766	2
Health Facilities	0	0
Community Organizations	37	3
Individuals/Families	54	20
TOTAL:	6065	72

Registration by Country/Territory

17% of CARIBE EWS MS

(Updated Feb. 19, 2014)

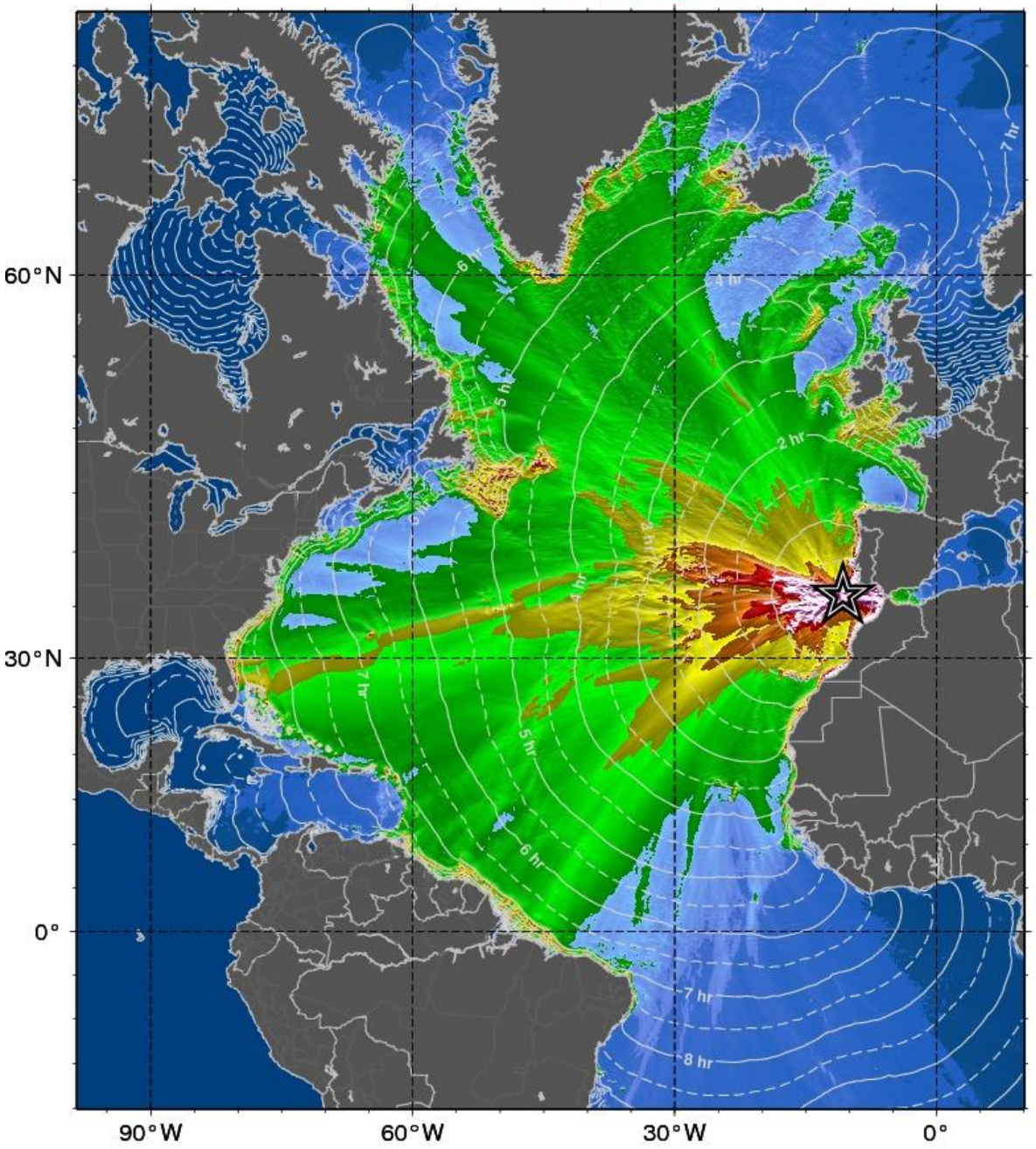
Country	Number of Participants
Anguilla (TNC/TWFP)	35
Aruba (TNC/TWFP)	5
Costa Rica (TWFP Alternate)	10
Panama (Alternate TWFP)	5
UK Turks & Caicos (TNC)	90
UK British Virgin Islands (TNC/TWFP)	1
US Puerto Rico (TWFP)	4972
US US Virgin Islands (TWFP)	129
US Mainland	31
Venezuela (TWFP/TNC)	60
Total	5299

Note: If TWFP and or TNC has registered, it is indicated, this does not mean that the full number of registered participants is associated with the TWFP/TNC

PTWC Proposed Enhanced Products

PTWC Energy Forecast

EXPERIMENTAL - Not For Distribution



Pacific Tsunami Warning Center

Earthquake:
26 Mar 2014
10:00:00 Z
Lat: 36.04°N
Lon: 10.75°W
Depth: 5 km
M_W : 8.58
CMT:

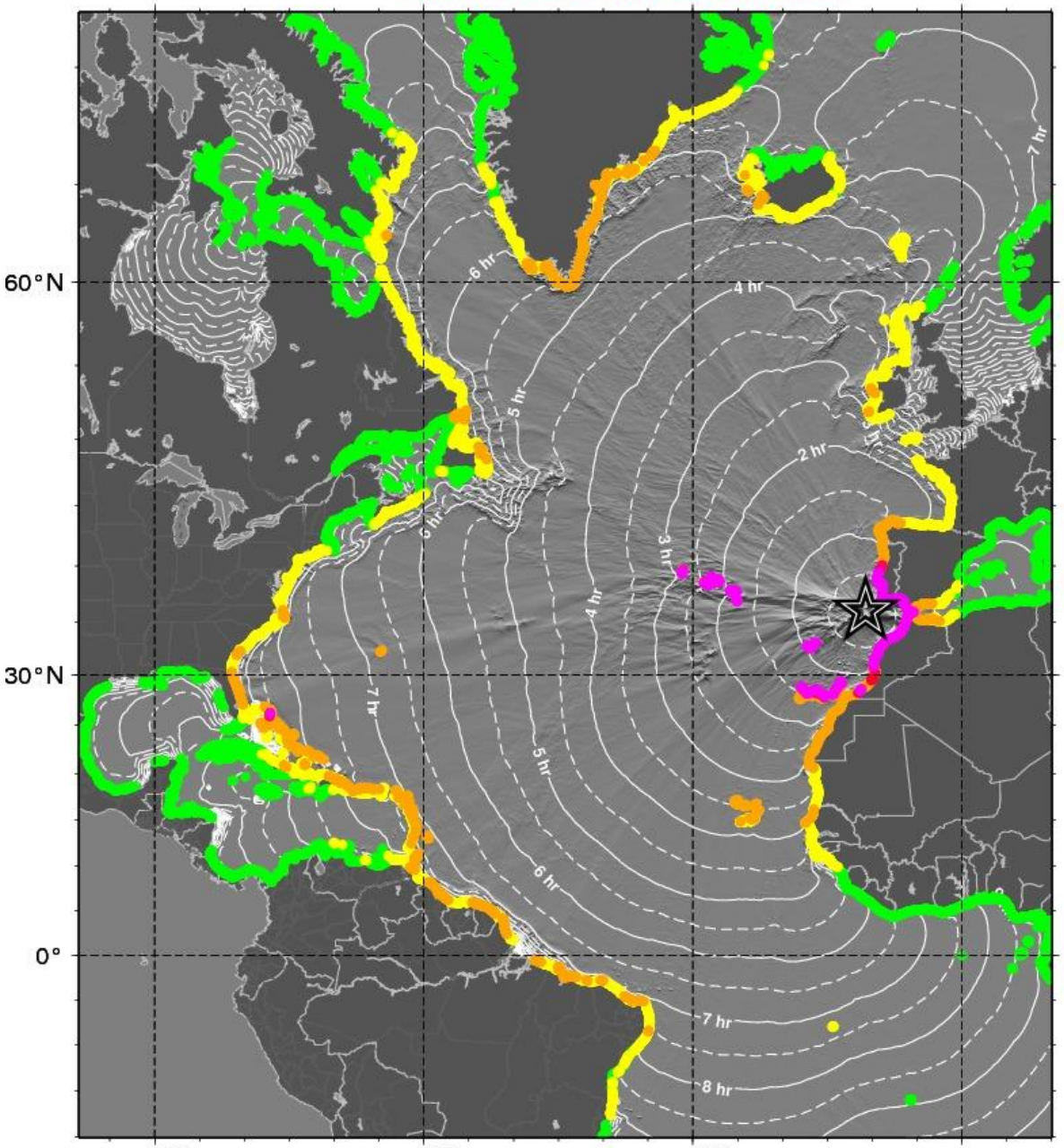
Amplitude (m)

17.14
1.00
0.75
0.50
0.25
0.10
0.05
0.01
0.00

model run at:
09 Feb 2014
17:49:14 Z

PTWC Coastal Forecast

EXPERIMENTAL - Not For Distribution



Pacific Tsunami Warning Center

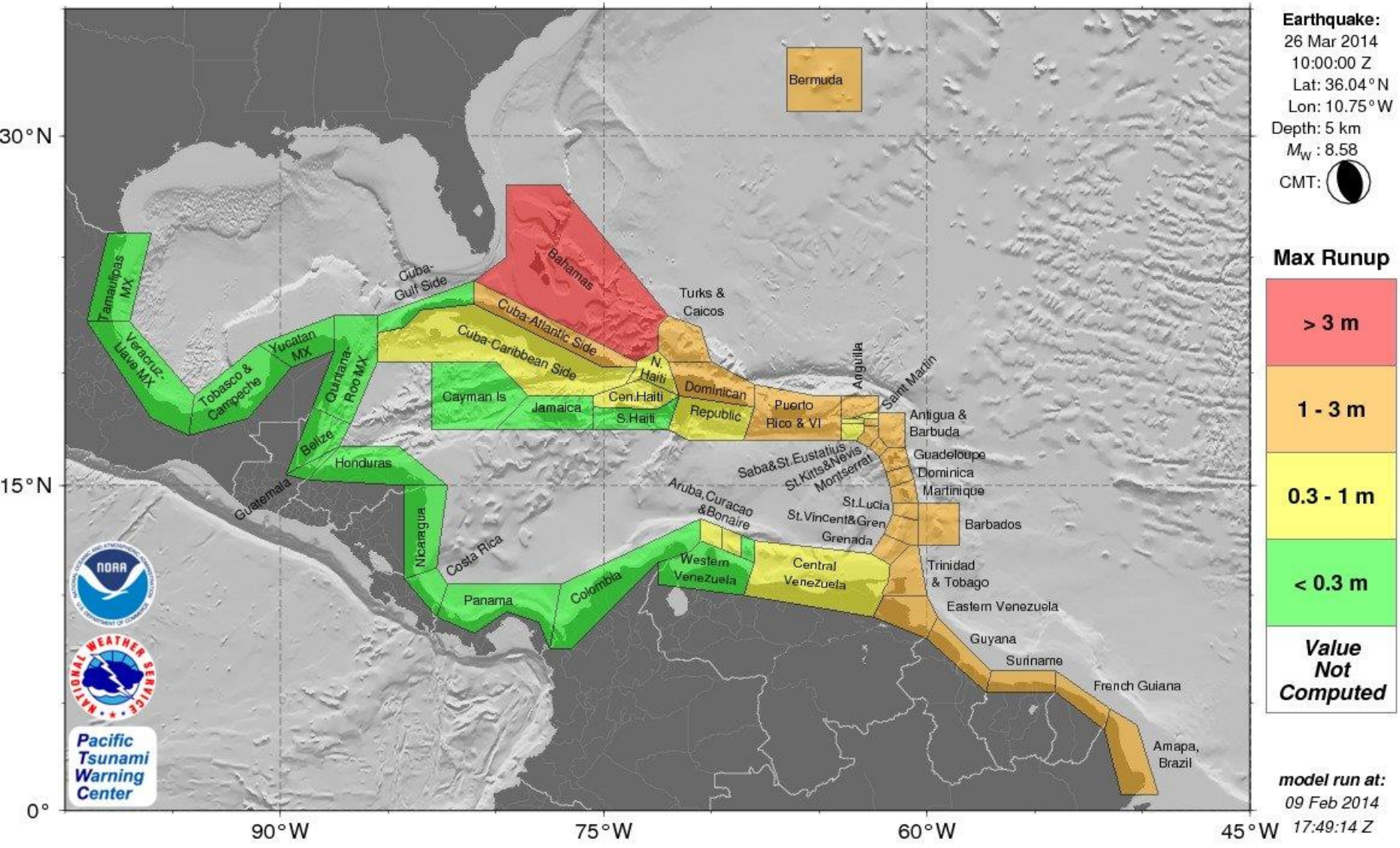
Earthquake:
26 Mar 2014
10:00:00 Z
Lat: 36.04°N
Lon: 10.75°W
Depth: 5 km
M_W : 8.58
CMT:

Amplitude (m)

3.56
3.00
1.00
0.30
0.00

model run at:
12 Feb 2014
23:28:43 Z

PTWC Forecast Polygons *EXPERIMENTAL - Not For Distribution*



Earthquake:
26 Mar 2014
10:00:00 Z
Lat: 36.04°N
Lon: 10.75°W
Depth: 5 km
M_W : 8.58
CMT:

Max Runup

> 3 m
1 - 3 m
0.3 - 1 m
< 0.3 m
Value Not Computed

model run at:
09 Feb 2014
17:49:14 Z

Pacific Tsunami Warning Center

Pour plus d’information sur les messages des differents Produits

Visiter

http://caribewave.info

ComMIT

- CARIBE WAVE/LANTEX 2014 Source was added as a unit source to ComMIT

NOUVEAU: Listes de contrôle de Tsunami pour NDMO / TWFP

IOC Technical Series, 109 (1)
Annex I – page 4

DISTANT TSUNAMI EVACUATION RESPONSIBILITIES CHECKLIST FOR GOVERNMENT DISASTER RESPONSE AGENCIES		
This is a simple checklist to use when doing an evacuation. List the agency (ies) / department(s) responsible for actions and recommended number of minutes (e.g. +10 minutes) after earthquake origin time. Distant tsunami wave arrival time expected more than 3 hours after earthquake origin time.	Earthquake Origin Time: 0000	
	Agency(ies) / Department(s):	Time (mins):
	_____	
Prepare to start electrical generators	_____ _____	Tbd
If your facility is located in a tsunami evacuation zone: • Prepare to shutoff utilities (e.g. electrical, gas, water) • Protect key equipment (e.g. computers) • Remove key documents (e.g. financial, personal information)	_____ _____	Tbd
Determine if tsunami has caused coastal damage / injuries and the need to initiate search and rescue operations	_____ _____	Tbd
Determine when to declare the "all clear"	_____ _____	Tbd
Prepare for post tsunami impact operations	_____ _____	tbd
Do roll call for workers—— and volunteers————	_____ _____	tbd

Table I–1. Actions, agencies, and timing for a distant tsunami event

EVENT	TIME (WHEN)	ACTIVITY (WHAT INFO)	AUTHORITY (WHO)	MEDIUM (HOW)	TO (TARGET)
EQ Occurs					
Tsunami might come					
Evacuate					
Tsunami comes					
Safe to return					

Table I–2. Table to be used as a guide for timing, actions, authority, communication means, and target audiences in case of a tsunami event.

DISTANT TSUNAMI EVACUATION RESPONSIBILITIES CHECKLIST FOR GOVERNMENT DISASTER RESPONSE AGENCIES		
This is a simple checklist to use when doing an evacuation. List the agency (ies) / department(s) responsible for actions and recommended number of minutes (e.g. +10 minutes) after earthquake origin time. Distant tsunami wave arrival time expected more than 3 hours after earthquake origin time.	Earthquake Origin Time: 0000	
	Agency(ies) / Department(s):	Time (mins):
Tsunami message received	_____ _____	+10
Call in staff	_____ _____	+15
Activate emergency centers/ Notify public safety agencies	_____ _____	+25
Coordinate sounding of public sirens and alarm notifications	_____ _____	+45
Initiate media notifications and evacuation announcements	_____ _____	+45
Initiate evacuation of people away from coast (Tsunami Evacuation Maps)	_____ _____	Tbd
Put boats/ships out to sea if wave impact time permits	_____ _____	Tbd
Setup road-blocks and evacuation routes	_____ _____	Tbd
Guide people through traffic points to shelter	_____ _____	Tbd
Initiate recall of disaster response workers	_____ _____	Tbd
Open and operate refuge centers	_____	Tbd

Appendix D. TWC Dummy Messages

US NTWC

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WEXX30 PAAQ 201305
TSUATE

TEST...TSUNAMI EXERCISE MESSAGE NUMBER 1...TEST
NWS NATIONAL TSUNAMI WARNING CENTER PALMER AK
205 AM AST WED MAR 26 2014

...CARIBE WAVE/LANTEX14 PORTUGAL EVENT TSUNAMI EXERCISE MESSAGE. REFER TO NTWC
MESSAGE 1 IN THE EXERCISE HANDBOOK. THIS IS AN EXERCISE ONLY...

THIS MESSAGE IS BEING USED TO START THE CARIBE WAVE/LANTEX14 PORTUGAL EVENT
TSUNAMI EXERCISE.  THIS WILL BE THE ONLY EXERCISE MESSAGE BROADCAST FROM THE
NATIONAL TSUNAMI WARNING CENTER EXCLUDING SPECIAL EMAIL MESSAGES DISCUSSED IN
THE HANDBOOK.  THE HANDBOOK IS AVAILABLE AT THE WEB SITE NTWC.ARH.NOAA.GOV. THE
EXERCISE PURPOSE IS TO PROVIDE EMERGENCY MANAGEMENT A REALISTIC SCENARIO TO TEST
TSUNAMI RESPONSE PLANS.

THIS IS ONLY AN EXERCISE.

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PTWC

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WECA41 PHEB 201305
TSUCAX

TEST...TSUNAMI EXERCISE MESSAGE NUMBER 1...TEST
NWS PACIFIC TSUNAMI WARNING CENTER/NOAA/NWS
ISSUED AT 1005Z 26 MAR 2014

...CARIBE WAVE/LANTEX14 PORTUGAL EVENT 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 CARIBE WAVE/LANTEXWAVE14 PORTUGAL EVENT
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 NTWC.ARH.NOAA.GOV. THE
EXERCISE PURPOSE IS TO PROVIDE EMERGENCY MANAGEMENT A REALISTIC SCENARIO TO TEST
TSUNAMI RESPONSE PLANS.

THIS IS ONLY AN EXERCISE.

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Appendix E. US TWC Exercise Messages

The following messages, created for the CARIBE WAVE/LANTEX14 tsunami exercise, are representative of the official standard products issued by the US NTWC and PTWC during a large magnitude 8.5 earthquake and tsunami originating 270 miles west of Gibraltar at 36.04°N, 10.75°W. During a real event, the TWCs would also issue graphical and html-based products to their web sites and via RSS. The alerts would persist longer during a real event than is depicted in this exercise.

US NTWC Message #1

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WEXX32 PAAQ 261005
TIBATE

PUBLIC TSUNAMI INFORMATION STATEMENT NUMBER 1
NWS NATIONAL TSUNAMI WARNING CENTER PALMER AK
605 AM EDT WED MAR 26 2014

... THIS IS A TSUNAMI INFORMATION STATEMENT FOR THE U.S. AND CANADA
    EAST COASTS/ GULF OF MEXICO STATES/PUERTO RICO/ THE U.S. VIRGIN
    ISLANDS AND THE BRITISH VIRGIN ISLANDS...

EVALUATION
----------
 * EARTHQUAKES OF THIS SIZE ARE KNOWN TO GENERATE TSUNAMIS
   POTENTIALLY DANGEROUS TO COASTS OUTSIDE THE SOURCE REGION.

 * THE U.S. NATIONAL TSUNAMI WARNING CENTER IS ANALYZING
   THE EVENT TO DETERMINE THE LEVEL OF DANGER.

 * MORE INFORMATION WILL BE ISSUED AS IT BECOMES AVAILABLE.

 * THIS EARTHQUAKE HAS THE POTENTIAL TO GENERATE A DESTRUCTIVE
   TSUNAMI IN THE SOURCE REGION.


PRELIMINARY EARTHQUAKE PARAMETERS
---------------------------------
 * MAGNITUDE      8.0
 * ORIGIN TIME    0600  EDT MAR 26 2014
                  0500  CDT MAR 26 2014
                  0600  AST MAR 26 2014
                  1000  UTC MAR 26 2014
 * COORDINATES    36.0 NORTH 10.8 WEST
 * DEPTH          3 MILES
 * LOCATION       NORTH ATLANTIC OCEAN


NEXT UPDATE AND ADDITIONAL INFORMATION
--------------------------------------
 * MESSAGES WILL BE ISSUED HOURLY TO KEEP YOU INFORMED OF THE
   PROGRESS OF THIS EVENT.

 * REFER TO THE INTERNET SITE NTWC.ARH.NOAA.GOV FOR
   ADDITIONAL INFORMATION.

 * CARIBBEAN COASTAL REGIONS OUTSIDE PUERTO RICO... U.S. VIRGIN
   ISLANDS AND BRITISH VIRGIN ISLANDS SHOULD REFER TO THE PACIFIC
   TSUNAMI WARNING CENTER MESSAGES AT PTWC.WEATHER.GOV.

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TSUNAMI WARNING CENTER MESSAGES AT PTWC.WEATHER.GOV.

$$

US NTWC Bulletin #14

WEXX30 PAAQ 262255
TSUATE

BULLETIN
PUBLIC TSUNAMI MESSAGE NUMBER 14
NWS NATIONAL TSUNAMI WARNING CENTER PALMER AK
655 PM EDT WED MAR 26 2014

...THE TSUNAMI ADVISORY IS CANCELLED...

CANCELLATIONS

* THE TSUNAMI ADVISORY IS CANCELED FOR THE COASTAL AREAS OF FLORIDA - GEORGIA - SOUTH CAROLINA - NORTH CAROLINA - VIRGINIA - MARYLAND - DELAWARE - NEW JERSEY - NEW YORK - CONNECTICUT - RHODE ISLAND - MASSACHUSETTS - NEW HAMPSHIRE - MAINE - NEW BRUNSWICK - NOVA SCOTIA - NEWFOUNDLAND AND LABRADOR FROM FLAMINGO FLORIDA TO CAPE CHIDLEY LABRADOR

* THE TSUNAMI WARNING IS CANCELED FOR PUERTO RICO - THE U.S. VIRGIN ISLANDS AND THE BRITISH VIRGIN ISLANDS

IMPACTS - UPDATED

* TSUNAMI ACTIVITY HAS SUBSIDED ALONG THE COASTS OF PUERTO RICO... U.S. VIRGIN ISLANDS... BRITISH VIRGIN ISLANDS... AND U.S. AND CANADIAN COASTS IN THE ATLANTIC.

* ONGOING ACTIVITY MAY PERSIST IN SOME AREAS CAUSING STRONG CURRENTS DANGEROUS TO SWIMMERS AND BOATS.

* THE DETERMINATION TO RE-OCCUPY HAZARD ZONES MUST BE MADE BY LOCAL OFFICIALS.

RECOMMENDED ACTIONS - UPDATED

* DO NOT RE-OCCUPY HAZARD ZONES UNTIL LOCAL EMERGENCY OFFICIALS INDICATE IT IS SAFE TO DO SO.

OBSERVATIONS OF TSUNAMI ACTIVITY - UPDATED

SITE	TIME OF MEASUREMENT	OBSERVED MAX TSUNAMI HEIGHT
HUELVA SPAIN	1130 UTC 03-26	07.1FT
TARIFA SPAIN	1145 UTC 03-26	05.9FT
CASCAIS PORTUGAL	1151 UTC 03-26	09.9FT
LA PALMA SPAIN	1250 UTC 03-26	02.1FT
ARRECIFE SPAIN	1252 UTC 03-26	03.1FT
POINT DELGADA AZORES	1342 UTC 03-26	05.6FT
FERROL SPAIN	1410 UTC 03-26	01.7FT
DAKAR SENEGAL	1515 UTC 03-26	00.4FT
CHRISTIANSTED USVI	1745 UTC 03-26	01.3FT
LAMESHUR BAY USVI	1752 UTC 03-26	03.2FT
CHARLOTTE AMALIE USVI	1845 UTC 03-26	04.1FT
LIMTETREE USVI	1832 UTC 03-26	01.1FT

MAYAGUEZ PR	1757 UTC	03-26	02.7FT
FAJARDO PR	1751 UTC	03-26	02.7FT
ARECIBO PR	1815 UTC	03-26	05.2FT
BERMUDA	1811 UTC	03-26	02.9FT
SAINT JOHNS CANADA	1833 UTC	03-26	02.9FT
HALIFAX CANADA	1848 UTC	03-26	01.9FT
MONTAUK NY	1912 UTC	03-26	00.9FT
OCEAN CITY MD	1919 UTC	03-26	01.1FT
NANTUCKET MA	1949 UTC	03-26	01.9FT
ATLANTIC CITY NJ	1951 UTC	03-26	02.6FT
VIRGINIA BEACH VA	1955 UTC	03-26	02.1FT
DUCK NC	2020 UTC	03-26	01.3FT
WATCH HILL RI	2033 UTC	03-26	00.7FT
PORTLAND ME	2034 UTC	03-26	00.2FT
TRIDENT PIER FL	2037 UTC	03-26	02.1FT
CHARLESTON SC	2037 UTC	03-26	00.4FT
KEY WEST FL	2104 UTC	03-26	00.3FT

HEIGHT - OBSERVED MAX TSUNAMI HEIGHT IS THE WATER LEVEL ABOVE THE TIDE LEVEL AT THE TIME OF MEASUREMENT.

ALL US EAST COAST - PUERTO RICO - USVI AND BRITISH VI LOCATIONS REPORTED WAVE HEIGHTS HAVE SUBSIDED TO LESS THAN 0.30 M.

NEXT UPDATE AND ADDITIONAL INFORMATION

* THIS WILL BE THE FINAL U.S. NATIONAL TSUNAMI WARNING CENTER MESSAGE ISSUED FOR THIS EVENT.

* REFER TO THE INTERNET SITE NTWC.ARH.NOAA.GOV FOR MORE INFORMATION.

* CARIBBEAN COASTAL REGIONS OUTSIDE PUERTO RICO... U.S. VIRGIN ISLANDS AND BRITISH VIRGIN ISLANDS SHOULD REFER TO THE PACIFIC TSUNAMI WARNING CENTER MESSAGES AT PTWC.WEATHER.GOV.

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US NTWC Spanish Bulletin #1

WEXX42 PAAQ 261005
TIBSPN

NUMERO BOLETIN INFORMATIVO TSUNAMI EXPERIMENTAL EN ESPANOL 1
NWS NATIONAL TSUNAMI WARNING CENTER PALMER AK
605 AM EDT WED MAR 26 2014

... BOLETIN INFORMATIVO ACERCA DEL PELIGRO DE TSUNAMI PARA LAS COSTAS DEL ESTE DE LOS ESTADOS UNIDOS Y CANADA/ GOLFO DE MEXICO/ PUERTO RICO/ ISLAS VIRGENES DE LOS ESTADOS UNIDOS Y ISLAS VIRGENES BRITANICAS...

EVALUACION

* SE CONOCE QUE TERREMOTOS DE ESTE TAMAÑO GENERAN TSUNAMIS POTENCIALMENTE PELIGROSOS PARA COSTAS FUERA DEL LUGAR DE ORIGEN.

* EL CENTRO NACIONAL DE ALERTA DE TSUNAMIS ESTA ANALIZANDO EL EVENTO PARA DETERMINAR EL NIVEL DE PELIGROSIDAD.

* INFORMACION ADICIONAL SERA EMITIDA CUANDO ESTE DISPONIBLE.

	PUERTO_CARRETO	8.8N	77.6W	2006Z 26 MAR
	PUERTO_OBALDIA	8.7N	77.4W	2018Z 26 MAR
	COLON	9.4N	79.9W	2040Z 26 MAR
	BOCAS_DEL_TORO	9.4N	82.2W	2052Z 26 MAR
MEXICO	COZUMEL	20.5N	87.0W	2028Z 26 MAR
	MADERO	22.3N	97.8W	2308Z 26 MAR
	VERACRUZ	19.2N	96.1W	2313Z 26 MAR
	TEXAS_BORDER	26.0N	97.1W	2323Z 26 MAR
	PROGRESO	21.3N	89.7W	0014Z 27 MAR
	CAMPECHE	19.9N	90.5W	0310Z 27 MAR
HONDURAS	PUERTO_CORTES	15.9N	88.0W	2032Z 26 MAR
	TRUJILLO	15.9N	86.0W	2119Z 26 MAR
GUYANA	GEORGETOWN	6.8N	58.2W	2033Z 26 MAR
SURINAME	PARAMARIBO	5.9N	55.2W	2033Z 26 MAR
COSTA RICA	PUERTO_LIMON	10.0N	83.0W	2038Z 26 MAR
NICARAGUA	PUNTA_GORDA	11.4N	83.8W	2130Z 26 MAR
	PUERTO_CABEZAS	14.0N	83.4W	0057Z 27 MAR
BELIZE	BELIZE_CITY	17.5N	88.2W	2142Z 26 MAR
GUATEMALA	PUERTO_BARRIOS	15.7N	88.6W	2225Z 26 MAR

ADDITIONAL BULLETINS WILL BE ISSUED BY THE PACIFIC TSUNAMI
WARNING CENTER FOR THIS EVENT AS MORE INFORMATION
BECOMES AVAILABLE.

PTWC Message #15

WECA41 PHEB 262355
TSUCAX

TEST...TSUNAMI MESSAGE NUMBER 15...TEST
NWS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI
2355 UTC WED MAR 26 2014

THIS MESSAGE APPLIES TO COUNTRIES WITHIN AND BORDERING THE
CARIBBEAN SEA...EXCEPT FOR PUERTO RICO...THE U.S. VIRGIN
ISLANDS...AND THE BRITISH VIRGIN ISLANDS.

... THE TSUNAMI WATCH IS CANCELLED ...

THE TSUNAMI WATCH IS NOW CANCELLED FOR

BERMUDA / DOMINICA / MONTSERRAT / BARBADOS / SAINT LUCIA /
GUADELOUPE / SINT EUSTATIUS / SABA / MARTINIQUE / ANGUILLA /
ANTIGUA / SAINT KITTS / BARBUDA / SINT MAARTEN / SAINT VINCENT /
BRAZIL / DOMINICAN REP / TURKS N CAICOS / SAINT BARTHELEMY /
TRINIDAD TOBAGO / BAHAMAS / GRENADA / SAINT MARTIN / HAITI /
CUBA / FRENCH GUIANA / VENEZUELA / JAMAICA / GUYANA / SURINAME

THIS BULLETIN IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY
NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE
DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND
ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS

ORIGIN TIME - 1000Z 26 MAR 2014
COORDINATES - 36.0 NORTH 10.8 WEST
LOCATION - AZORES-CAPE ST. VINCENT RIDGE
MAGNITUDE - 8.5

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY

	GAUGE COORDINATES		TIME OF MEASURE	MAXIMUM TSUNAMI	WAVE PERIOD
GAUGE LOCATION	LAT	LON	(UTC)	HEIGHT	(MIN)

TUXPAN MX	21.0N	97.4W	2343	0.01M/ 0.0FT	29
VERACRUZ MX	19.2N	96.1W	2328	0.01M/ 0.0FT	19
CEDROS BAY TT	10.1N	61.9W	2322	0.64M/ 2.1FT	21
GRAND ISLE LA	29.3N	90.0W	2322	0.01M/ 0.0FT	24
PENSACOLA FL	30.4N	87.2W	2316	0.01M/ 0.0FT	22
FORT FOURCHON LA	29.1N	90.2W	2311	0.01M/ 0.0FT	19
POINT FORTIN TT	10.2N	61.4W	2253	1.05M/ 3.4FT	17
WALVIS BAY NA	22.9S	14.5E	2248	0.18M/ 0.6FT	17
PILOTS STATION LA	28.9N	89.4W	2228	0.01M/ 0.0FT	24
TRISTAN DA CUNHA UK	37.0S	12.3W	2155	0.21M/ 0.7FT	28
TACONY PALMYRA BR NJ	40.0N	75.0W	2154	0.68M/ 2.2FT	15
REEDY POINT DE	39.6N	75.6W	2154	0.69M/ 2.2FT	24
PHILADELPHIA PA	39.9N	75.1W	2154	0.69M/ 2.2FT	23
MARCUS HOOK PA	39.8N	75.4W	2154	0.69M/ 2.2FT	31
DELAWARE CITY DE	39.6N	75.6W	2154	0.69M/ 2.2FT	27
CHESAPEAKE CITY MD	39.5N	75.8W	2154	0.60M/ 2.0FT	24
SHIP JOHN SHOAL NJ	39.3N	75.4W	2149	0.60M/ 2.0FT	30
WOODS HOLE MA	41.5N	70.7W	2149	0.67M/ 2.2FT	25
MONEY POINT VA	36.8N	76.3W	2144	0.81M/ 2.6FT	29
SALVADOR BR	12.9S	38.7W	2132	0.26M/ 0.9FT	17
KEY WEST FL	24.6N	81.8W	2126	0.10M/ 0.3FT	18
DART 42429	27.4N	85.7W	2124	0.00M/ 0.0FT	27
NEW LONDON CT	41.4N	72.1W	2122	0.73M/ 2.4FT	16
DART 42409	26.7N	85.8W	2116	0.00M/ 0.0FT	16
SEWELLS POINT VA	36.9N	76.3W	2107	0.76M/ 2.5FT	19
VACA KEY FL	24.7N	81.1W	2106	0.14M/ 0.5FT	14
PUERTO MORELOS MX	21.4N	86.8W	2106	0.04M/ 0.1FT	21
SPRINGMAID PIER SC	33.7N	78.9W	2057	0.63M/ 2.1FT	14
LIMON CR	10.0N	83.0W	2053	0.18M/ 0.6FT	27
TRIDENT PIER FL	28.4N	80.6W	2047	1.32M/ 4.3FT	31
CHARLESTON SC	32.8N	79.9W	2046	0.70M/ 2.3FT	18
NEW BOLD PA	40.1N	74.8W	2035	0.65M/ 2.1FT	17
BERGEN POINT NY	40.6N	74.1W	2035	0.60M/ 2.0FT	20
KIPTOPEKE VA	37.2N	76.0W	2033	0.74M/ 2.4FT	30
EL PORVENIR PM	9.6N	78.9W	2027	0.15M/ 0.5FT	26
SAN ANDRES CO	12.6N	81.7W	2026	0.13M/ 0.4FT	17
POINTE NOIRE CG	4.8S	11.8E	2026	0.26M/ 0.8FT	26
WILMINGTON NC	34.2N	78.0W	2020	0.72M/ 2.3FT	21
BRANDYWINE DE	39.0N	75.1W	2019	0.69M/ 2.2FT	21
CHESAPEAKE BAY VA	37.0N	76.1W	2017	0.76M/ 2.5FT	23
WRIGHT BEACH NC	34.2N	77.8W	2017	0.72M/ 2.3FT	17
QUONSET POINT RI	41.6N	71.4W	2017	0.53M/ 1.7FT	25
PROVIDENCE RI	41.8N	71.4W	2017	0.53M/ 1.7FT	29
NEWPORT RI	41.5N	71.3W	2007	0.53M/ 1.7FT	25
CONIMICUT LIGHT RI	41.7N	71.3W	2007	0.53M/ 1.7FT	31
BOSTON MA	42.4N	71.1W	2007	0.67M/ 2.2FT	24
SANDY HOOK NJ	40.5N	74.0W	2006	0.60M/ 2.0FT	17
BATTERY TIE NY	40.7N	74.0W	2006	0.60M/ 2.0FT	32
PORT SONARA CM	4.0N	9.1E	2005	0.14M/ 0.5FT	21
BURLINGTON NJ	40.1N	74.9W	2001	0.74M/ 2.4FT	17
VIRGINIA KEY FL	25.7N	80.2W	1959	0.22M/ 0.7FT	24
LEWES DE	38.8N	75.1W	1954	0.69M/ 2.2FT	19
BORDEN FLATS LT MA	41.7N	71.2W	1952	0.57M/ 1.9FT	23
CAPE MAY NJ	39.0N	74.9W	1949	0.60M/ 2.0FT	22
KINGS POINT NY	40.8N	73.8W	1948	0.60M/ 2.0FT	31
BEAUFORT NC	34.7N	76.7W	1946	0.68M/ 2.2FT	16
BRIDGEPORT CT	41.2N	73.2W	1945	0.73M/ 2.4FT	18
ATLANTIC CITY NJ	39.4N	74.4W	1944	0.69M/ 2.2FT	20
WACHAPREAGUE VA	37.6N	75.7W	1943	0.64M/ 2.1FT	25
MONTAUK NY	41.0N	72.0W	1940	0.73M/ 2.4FT	16
SETTLEMENT PT BS	26.7N	79.0W	1939	0.60M/ 2.0FT	26
SANTA MARTA CO	11.2N	74.2W	1937	0.21M/ 0.7FT	25
OREGON INLET NC	35.8N	75.5W	1932	0.79M/ 2.6FT	28
PORT OF SPAIN TT	10.6N	61.5W	1923	0.64M/ 2.1FT	18
OCEAN CITY MD	38.3N	75.1W	1920	0.74M/ 2.4FT	23
NEW HAVEN CT	41.3N	72.9W	1917	0.73M/ 2.4FT	21
DUCK PIER NC	36.2N	75.7W	1914	0.76M/ 2.5FT	18
NANTUCKET ISLAND MA	41.3N	70.1W	1913	0.57M/ 1.9FT	15
SAINT HELENA UK	15.9S	5.7W	1910	0.28M/ 0.9FT	30
TORTOLA VI UK	18.4N	64.6W	1855	0.49M/ 1.6FT	22
HATTERAS NC	35.2N	75.7W	1854	0.79M/ 2.6FT	17
PORT SAN ANDRES DO	18.4N	69.6W	1852	0.34M/ 1.1FT	31
LAGOS NG	6.4N	3.4E	1849	0.14M/ 0.4FT	21
BARAHONA DO	18.2N	71.1W	1839	0.24M/ 0.8FT	16
ILE ROYAL GUIANA FR	5.3N	52.6W	1837	1.05M/ 3.5FT	30
CAP HAITIEN HT	19.8N	72.2W	1824	0.71M/ 2.3FT	16
TANORADI GA	4.9N	1.7W	1821	0.21M/ 0.7FT	17
PRICKLEY BAY GD	12.0N	61.8W	1818	0.45M/ 1.5FT	15
CHARLOTTE-AMALIE VI	18.3N	64.9W	1818	0.53M/ 1.7FT	21
CULEBRA IS PR	18.3N	65.3W	1817	0.58M/ 1.9FT	19
CHARLOTTEVILLE TT	11.3N	60.5W	1816	0.77M/ 2.5FT	16
DART 42407	15.3N	68.2W	1815	0.03M/ 0.1FT	28
FORTALEZA BR	3.7S	38.5W	1815	0.78M/ 2.6FT	22
MAGUEYES ISLAND PR	18.0N	67.0W	1814	0.44M/ 1.4FT	20
FAJARDO PR	18.3N	65.6W	1813	0.74M/ 2.4FT	22
ALEXANDRIA EG	31.2N	29.9E	1808	0.01M/ 0.0FT	29
PUERTO PLATA DO	19.8N	70.7W	1808	0.78M/ 2.6FT	31
LAMESHUR BAY VI	18.3N	64.7W	1807	0.52M/ 1.7FT	26
SCARBOROUGH TT	11.2N	60.7W	1807	0.77M/ 2.5FT	18
PUNTA CANA DO	18.5N	68.4W	1805	0.83M/ 2.7FT	26
MONA ISLAND PR	18.1N	67.9W	1802	0.61M/ 2.0FT	30
ISABELLI VIEQUES PR	18.2N	65.4W	1801	0.58M/ 1.9FT	19
PENUELAS PR	18.0N	66.8W	1800	0.42M/ 1.4FT	29
AGUADILLA PR	18.5N	67.2W	1753	1.02M/ 3.4FT	22
MAYAGUEZ PR	18.2N	67.2W	1752	0.94M/ 3.1FT	23
BARBUDA AG	17.6N	61.8W	1752	0.96M/ 3.1FT	25
ESPERANZA VIEQUES P	18.1N	65.5W	1749	0.46M/ 1.5FT	29
YABUCOA PR	18.1N	65.8W	1747	0.50M/ 1.7FT	28
DART 41424	32.9N	72.5W	1745	0.07M/ 0.2FT	22
ARECIBO PR	18.5N	66.7W	1744	1.23M/ 4.0FT	31
LIMETREE VI	17.7N	64.8W	1744	0.51M/ 1.7FT	25
SAN JUAN PR	18.5N	66.1W	1740	1.07M/ 3.5FT	22
FORT DE FRANCE MQ	14.6N	61.1W	1740	0.49M/ 1.6FT	29
BRIDGEPORT BB	13.1N	59.6W	1733	0.97M/ 3.2FT	26
ASCENSION UK	7.9S	14.4W	1733	0.30M/ 1.0FT	27
ROSEAU DM	15.3N	61.4W	1733	0.61M/ 2.0FT	32
DART 41420	23.5N	67.3W	1730	0.11M/ 0.4FT	31
LE ROBERT MQ	14.7N	60.9W	1730	0.91M/ 3.0FT	29
POINT A PITRE GP	16.2N	61.5W	1730	0.94M/ 3.1FT	19
LE PRECHEUR MQ	14.8N	61.2W	1730	0.56M/ 1.8FT	24
DESHAIES GP	16.3N	61.8W	1729	0.72M/ 2.4FT	23
PORT ST CHARLES BB	13.3N	59.6W	1728	1.31M/ 4.3FT	16
DART 44402	39.5N	70.6W	1728	0.07M/ 0.2FT	21
PARHAM AG	17.1N	61.8W	1724	0.96M/ 3.1FT	24
DESIRADE GP	16.3N	61.1W	1715	0.89M/ 2.9FT	30
DART 41421	23.4N	63.9W	1708	0.11M/ 0.3FT	22
BERMUDA UK	32.4N	64.7W	1706	1.83M/ 6.0FT	27
DART 44401	37.6N	50.0W	1511	0.09M/ 0.3FT	28
MALIN HEAD IE	55.4N	7.3W	1458	0.49M/ 1.6FT	27
DAKAR SN	14.7N	17.4W	1437	0.76M/ 2.5FT	27
NOUAKCHOTT MA	18.1N	15.9W	1422	0.68M/ 2.2FT	14
PALMEIRA CAPE VERDE	16.8N	23.0W	1344	0.94M/ 3.1FT	30
PONTA DELGADA PT	37.7N	25.7W	1214	3.73M/12.2FT	23
FERROL ES	43.5N	8.3W	1207	1.19M/ 3.9FT	22
LA PALMA ES	28.7N	17.8W	1148	2.35M/ 7.7FT	15
TARIFA ES	36.0N	5.6W	1145	1.82M/ 5.9FT	21
ALGECIRAS ES	36.2N	5.4W	1138	0.89M/ 2.9FT	27
HUELVA ES	37.1N	6.8W	1130	2.18M/ 7.1FT	19

LAT - LATITUDE (N-NORTH, S-SOUTH)
LON - LONGITUDE (E-EAST, W-WEST)
TIME - TIME OF THE MEASUREMENT (Z IS UTC IS GREENWICH TIME)
AMPL - TSUNAMI AMPLITUDE MEASURED RELATIVE TO NORMAL SEA LEVEL.
IT IS ...NOT... CREST-TO-TROUGH WAVE HEIGHT.
VALUES ARE GIVEN IN BOTH METERS(M) AND FEET(FT).
PER - PERIOD OF TIME IN MINUTES(MIN) FROM ONE WAVE TO THE NEXT.

EVALUATION

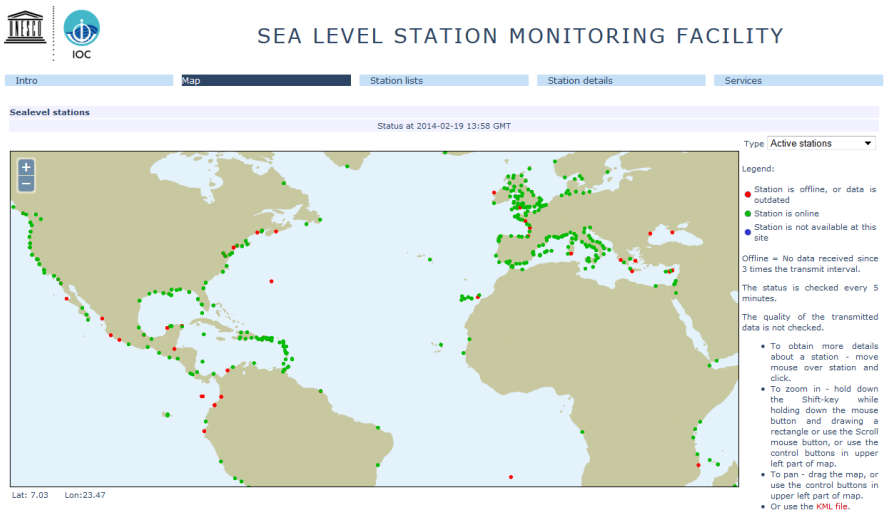
A SIGNIFICANT TSUNAMI WAS GENERATED BY THIS EARTHQUAKE.
HOWEVER...SEA LEVEL READINGS NOW INDICATE THAT THE THREAT HAS
DIMINISHED OR IS OVER FOR MOST AREAS. THEREFORE THE TSUNAMI
WATCH ISSUED BY THIS CENTER IS NOW CANCELLED.

FOR ANY AFFECTED AREAS - WHEN NO MAJOR WAVES HAVE OCCURRED FOR AT
LEAST TWO HOURS AFTER THE ESTIMATED ARRIVAL TIME OR DAMAGING WAVES
HAVE NOT OCCURRED FOR AT LEAST TWO HOURS THEN LOCAL AUTHORITIES
CAN ASSUME THE THREAT IS PASSED. DANGER TO BOATS AND COASTAL
STRUCTURES CAN CONTINUE FOR SEVERAL HOURS DUE TO RAPID CURRENTS.
AS LOCAL CONDITIONS CAN CAUSE A WIDE VARIATION IN TSUNAMI WAVE
ACTION THE ALL CLEAR DETERMINATION MUST BE MADE BY LOCAL
AUTHORITIES.

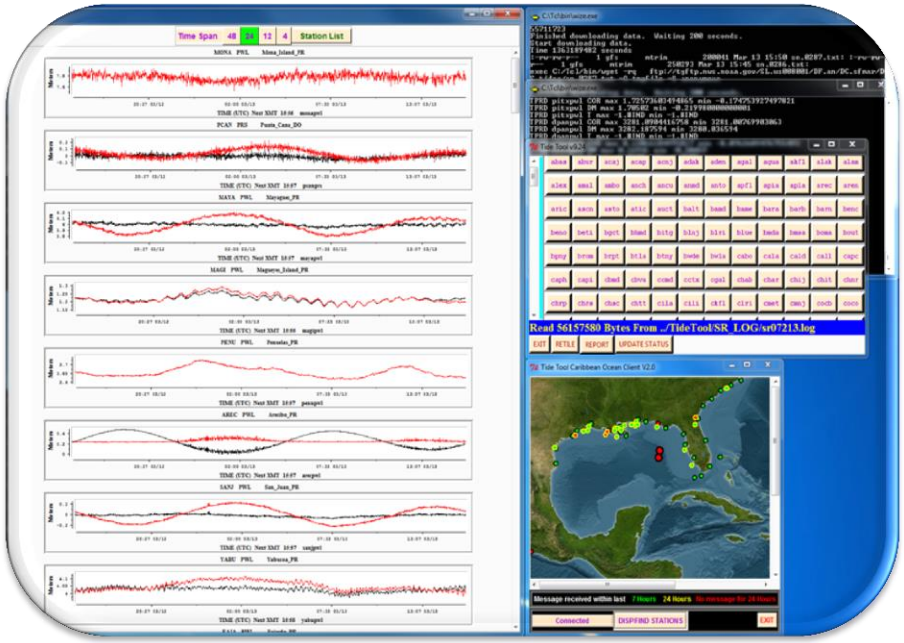
THIS WILL BE THE FINAL PRODUCT ISSUED BY THE PACIFIC TSUNAMI
WARNING CENTER FOR THIS EVENT UNLESS ADDITIONAL INFORMATION
BECOMES AVAILABLE

Surveillance du niveau de la mer

IOC Sea Level Monitoring Facility
(http://www.ioc-sealevelmonitoring.org/)



Tide Tool
Hector.crespo@nooa.gov or stuart.weinstein@noaa.gov



Participation des Etats Membres

- Chaque État membre doit établir son propre groupe de travail pour déterminer l'ampleur de la participation nationale et les tests.
- Les participants doivent fournir des mises-à-jour…

Dispositions pour les médias

- **Des dossier de presse sur les Tsunamis ont été préparés par** le
  - Réseau Sismique de Puerto Rico (Espagnol): http://www.prsn.uprm.edu/mediakit/)
  - Unité sur la Recherche Sismique (Anglais): http://www.uwiseismic.com/Downloads/TCHWS Final Media Kit.pdf)
- Des exemples de communiqué de presse dans le Manuel peuvent être adaptés si nécessaire.
- **Un communiqué de presse par** UNESCO (21 Mars) et NOAA pourrait être diffusé en avance de l'exercice.

Actions en cas d'un événement réel

- Dans le cas d'un événement réel durant l'exercice, le TWC émettra leur message standard pour l'événement. Ces messages auront priorité absolue et une décision sera prise par les TWC s'il faut délivrer le message fictif et envoyer les messages électroniques. Les tremblements de terre qui déclenchent seulement un Tsunami Information Statement (déclaration d'information sur des tsunamis) ne perturberont pas l'exercice. Tous les documents et correspondance relatifs à cet exercice doivent être clairement identifiés comme "**CARIBE WAVE 14/LANTEX 14**» et «**Exercice**».

Procédure pour fausse alarme

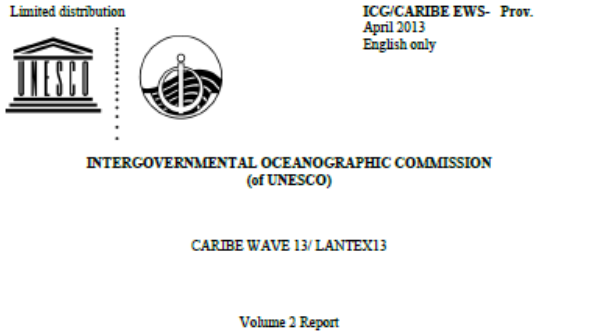
- Chaque fois que des exercices d'intervention en cas de catastrophe sont menés, le potentiel existe pour que le public ou les médias à interpréter l'événement comme étant réel. Des procédures devront être mises en place par l'ensemble des entités participantes pour répondre aux préoccupations du public ou des médias concernés dans l'exercice en cas de mauvaises interprétations .

Evaluation de l’exercice en ligne.

- Tous les membres participants sont invités à fournir des commentaires brefs sur l'exercice. Ces commentaires aideront le ICG / CARIBE-EWS, NTHMP, et la NOAA dans l'évaluation du CARIBEWAVE14 et le développement des exercices suivants, et aider les membres d'intervention à documenter les leçons apprises.
- La date limite pour remplir le formulaire d’évaluation est le **11 Avril 2014**
- Sur Survey Monkey, suivez le lien: https://www.surveymonkey.com/s/VHM92KG

Ressources

- Manuel IOC “How to plan, conduct and evaluate tsunami exercises” (Anglais, Espagnol).
- Manuel CARIBE WAVE 2011 et 2013
- Rapport final CARIBE WAVE 2013 et article de presse
- Plan de Communication de PTWC pour les Caraïbes.
- Disponible sur www.caribewave.info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ICG/CARIBE EWS- Prov.
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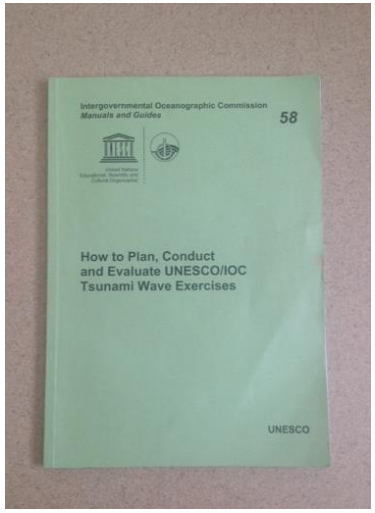
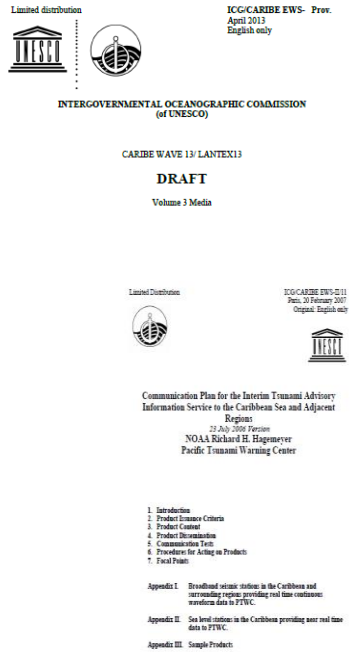
(of UNESCO)

CARIBE WAVE 13/ LANTEX13

Volume 2 Report

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ICG/CARIBE EWS- Prov.
April 2013
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INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION
(of UNESCO)

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DRAFT

Volume 3 Media

Limited Distribution

ICG/CARIBE EWS-II/11
Paris, 20 February 2007
Original: English only

Communication Plan for the Interim Tsunami Advisory Information Service to the Caribbean Sea and Adjacent Regions

23 July 2006 Version

NOAA Richard H. Hagemeyer
Pacific Tsunami Warning Center

1. Introduction
2. Product Issuance Criteria
3. Product Content
4. Product Dissemination
5. Communication Tests
6. Procedures for Acting on Products
7. Focal Points

Appendix I. Broadband seismic stations in the Caribbean and surrounding regions providing real time continuous waveform data to PTWC.

Appendix II. Sea level stations in the Caribbean providing near real time data to PTWC.

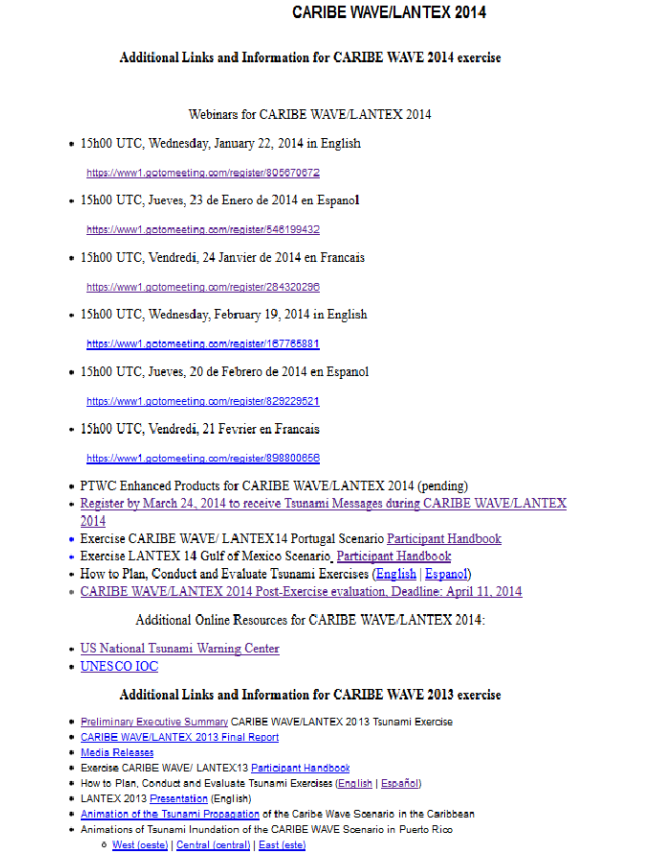
Appendix III. Sample Products

Equipe CARIBE WAVE LANTEX 2014

- Christa von Hillebrandt-Andrade, CARIBE EWS and NWS Caribbean Tsunami Warning Program
- Victor Hugo Cano, Dawn French y Philippe Sarron, CARIBE EWS
- Jean Marie Saurel, Chair of Working Group 1, Martinique Volcano Observatory.
- Narcisse Zahibo, Chair of Working Group 2, Université des Antilles et Guyane, Guadeloupe
- Kerry Hinds, Chair of Working Group 4, Dept. of Disaster Management, Barbados
- Alison Brome, Director of Caribbean Tsunami Information Center
- Charles McCreery and Gerard Fryer, Pacific Tsunami Warning Center
- Paul Whitmore and James Waddell, National Tsunami Warning Center
- Ronald Jackson, Director of CDEMA or his Designate
- Roy Barboza, Director/Wilfried Strauch of CEPREDENAC
- Bernardo Aliaga, Technical Secretary ICG CARIBE EWS
- Melinda Bailey, NWS Southern Region
- Wilfredo Ramos, PRSEMA
- Víctor Huérfano, Puerto Rico Seismic Network
- Fernando Carrilho, Institituto Portugues do Mar e da Atmósfera

Information Additionnelle

- Des matériels additionnels seront placés sur les pages de CTWP y RSPR.
- Envoyer les liens des pages de chaque pays à christa.vonh@noaa.gov pour être inclus sur les pages de CTWP et de PRSN.
- Cette présentation sera placée sur la page de CTWP.



CARIBE WAVE/LANTEX 2014

Additional Links and Information for CARIBE WAVE 2014 exercise

Webinars for CARIBE WAVE/LANTEX 2014

- 15h00 UTC, Wednesday, January 22, 2014 in English
  https://www1.gotomeeting.com/register/805670672
- 15h00 UTC, Jueves, 23 de Enero de 2014 en Espanol
  https://www1.gotomeeting.com/register/546199432
- 15h00 UTC, Vendredi, 24 Janvier de 2014 en Francais
  https://www1.gotomeeting.com/register/284320296
- 15h00 UTC, Wednesday, February 19, 2014 in English
  https://www1.gotomeeting.com/register/167765881
- 15h00 UTC, Jueves, 20 de Febrero de 2014 en Espanol
  https://www1.gotomeeting.com/register/828229521
- 15h00 UTC, Vendredi, 21 Fevrier en Francais
  https://www1.gotomeeting.com/register/898800666

- PTWC Enhanced Products for CARIBE WAVE/LANTEX 2014 (pending)
- Register by March 24, 2014 to receive Tsunami Messages during CARIBE WAVE/LANTEX 2014
- Exercise CARIBE WAVE/ LANTEX14 Portugal Scenario Participant Handbook
- Exercise LANTEX 14 Gulf of Mexico Scenario, Participant Handbook
- How to Plan, Conduct and Evaluate Tsunami Exercises (English | Espanol)
- CARIBE WAVE/LANTEX 2014 Post-Exercise evaluation, Deadline: April 11, 2014

Additional Online Resources for CARIBE WAVE/LANTEX 2014:

- US National Tsunami Warning Center
- UNESCO IOC

Additional Links and Information for CARIBE WAVE 2013 exercise

- Preliminary Executive Summary CARIBE WAVE/LANTEX 2013 Tsunami Exercise
- CARIBE WAVE/LANTEX 2013 Final Report
- Media Releases
- Exercise CARIBE WAVE/ LANTEX13 Participant Handbook
- How to Plan, Conduct and Evaluate Tsunami Exercises (English | Español)
- LANTEX 2013 Presentation (English)
- Animation of the Tsunami Propagation of the Caribe Wave Scenario in the Caribbean
- Animations of Tsunami Inundation of the CARIBE WAVE Scenario in Puerto Rico
  - West (oeste) | Central (central) | East (este)

Au cours des 500 dernières années, au moins 75 tsunamis ont été observés dans la région CARIBE EWS. Plus de 500 000 personnes peuvent être victimes en quelques heures si la réponse n'est pas adéquate. Nous ne savons pas quand sera le prochain évènement; cette année déjà, on a eu 2 évènements très près de déclencher des déclarations de renseignement et surveillance du tsunami local…On doit tous être Prêts.

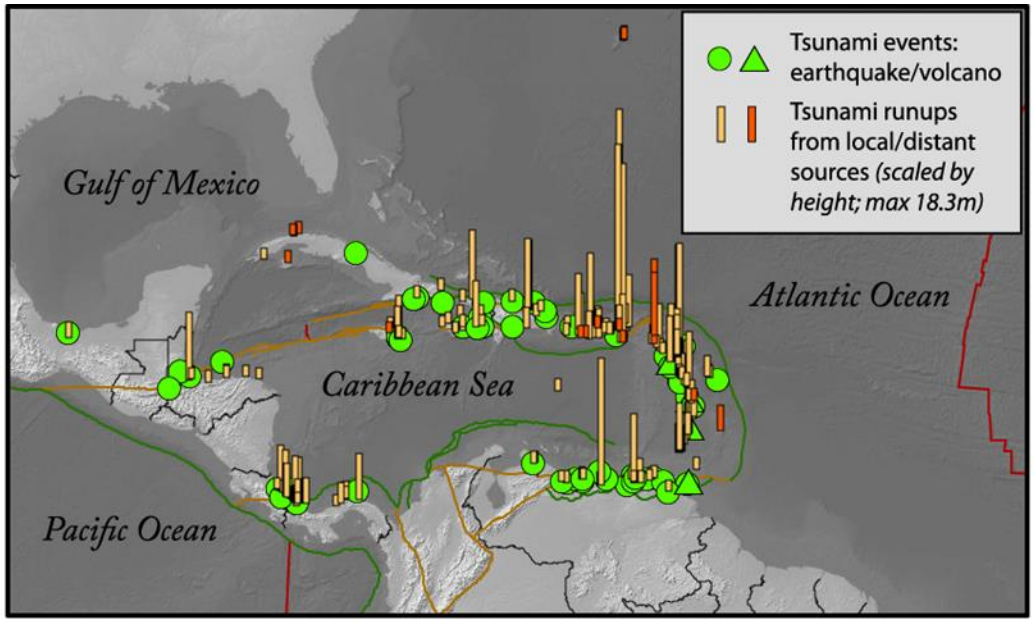
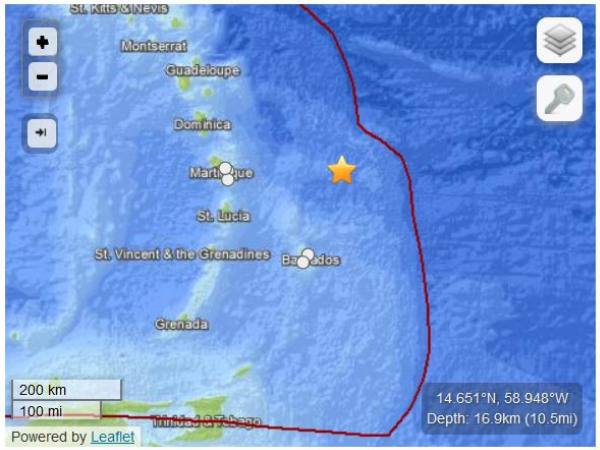
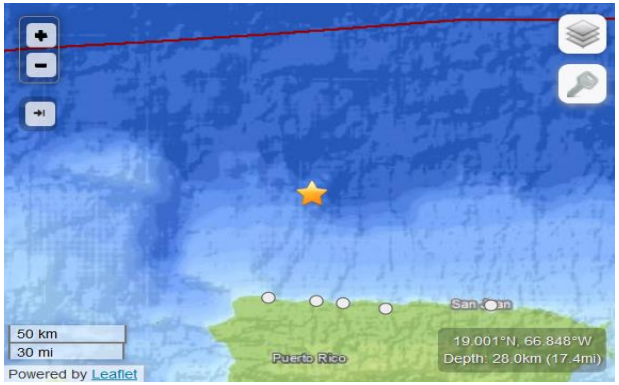


Figure: Carte des vagues de Tsunami dans les Cariabes en 1493-2013
(National Geophysical Data Center, http://www.ngdc.noaa.gov/hazards/tsu.shtml). Artiste: Jessee Varner.





Questions, Commentaires

Merci pour votre participation

Chronologie Actualisée

Action	Date limite
Draft Circulated among ICG CARIBE EWS TNC/TWFP	August 15, 2013
Date Limite pour commentaires	16 Septembre 2013
Version finale du manuel d'exercice disponible en ligne	January, 2014
Circular Letter Issued by IOC to MS	January 16, 2014
1er Webinaire	22, 23 and 24 Janvier 2014
2eme Webinaire	19. 20 and 21 Février 2014
Exercice	26 Mars 2014
Date limite pour soumettre le Questionnaire d'évaluation de l'exercice	11 Avril 2014
Rapport final de Caribe Wave 2014	ICG CARIBE EWS IX _ 13-15 Mai, 2014, USVI