

Ejercicio

LANTEX 09

Manual del Participante

Un ejercicio de aviso de tsunami (maremoto) para
el Atlántico-noroeste

Programa Nacional de Mitigación y Amenaza de Tsunamis
Subcomité de Coordinación de Avisos



Traducción del inglés al español por la Red Sísmica de Puerto Rico, UPRM

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1. Trasfondo

Este ejercicio de tsunami (maremoto) se realiza para ayudar en los esfuerzos de preparación de tsunami a lo largo de la costa este de EUA y Canadá, la costa del Golfo de México y en Puerto Rico y las Islas Vírgenes. Récords históricos de tsunamis del Centro Nacional de Datos Geofísicos (NGDC, por sus siglas en inglés) de NOAA (por sus siglas en inglés) indican que aproximadamente 85% de los tsunamis oceánicos mundiales ocurren en la Cuenca del Pacífico. La ocurrencia histórica de tsunamis destructivos a lo largo de las costas atlánticas de EUA y Canadá sugieren que estos eventos son raros, existen aun así, algunas áreas en la cuenca atlántica donde ocurren terremotos que tienen el potencial para desarrollar tsunamis destructivos que podrían impactar la costa de EUA y Canadá. Estas áreas incluyen las costas de Puerto Rico, Islas Vírgenes Americanas, la región este de las islas Azores y porciones del talud continental de la costa de EUA y Canadá (por deslizamientos submarinos).

Lecciones aprendidas del tsunami destructivo del Océano Índico incluye que aun áreas raramente impactadas por tsunamis pueden sufrir tremendos daños y muertes si la gente que vive en o viaja a esas áreas no está preparada.

Estadísticas de la base de datos de tsunamis de NGDC indican que las Islas Vírgenes Americanas fueron golpeadas por un tsunami de hasta 8 m de altura en 1867 que mató 30 personas. Sobre 140 personas murieron en el oeste de Puerto Rico por un tsunami de 6 m de altura en 1918. El Caribe es una región de bordes de placas tectónicas complejos que proveen el mecanismo para que los terremotos provoquen grandes tsunamis.

Otra área, en el Océano Atlántico, capaz de producir grandes terremotos es la región entre Portugal y las islas Azores. En 1755 un terremoto localizado en esta región con una magnitud estimada en más de 8.0, generó un tsunami de hasta 30 m en Portugal. Este tsunami fue ampliamente registrado alrededor del Atlántico produciendo daños en varios lugares, incluyendo Canadá y el Caribe.

Más cerca a la orilla canadiense, un terremoto de magnitud 7.2 en 1929 generó un gran deslizamiento submarino que provocó un tsunami. Este tsunami alcanzó una amplitud de 7 m en Terranova y mató a 22 personas. Estudios recientes del talud continental a lo largo de la costa del este de EUA indican que este tipo de tsunami ha ocurrido varias veces en los pasados 10,000 años.

NOAA opera un sistema de alerta de tsunamis para las costas del Atlántico de EUA y el Golfo de México, este de Canadá, Puerto Rico y las Islas Vírgenes a través de su Centro de Alerta de

Tsunamis de la Costa Oeste y Alaska (WCATWC, por sus siglas en inglés) en Palmer, Alaska. Este centro provee avisos, vigilancias, advertencias y declaraciones de información de tsunamis a estas costas, aproximadamente cinco minutos después de ocurrido el terremoto. Recipientes primarios de los mensajes del atlántico del WCATWC incluyen las Oficinas de Pronóstico del Tiempo (WFO, por sus siglas en inglés) del Servicio Nacional de Meteorología (NWS, por sus siglas en inglés), puntos de aviso y centros de operaciones de emergencia del estado/territorio, Guardia Costanera de EUA, el Centro de Predicción de Tormentas del Atlántico de Canadá, y el ejército de EUA. Estas agencias transmiten el mensaje a la gente que podría ser impactada por un tsunami. El Centro de Alerta de Tsunamis del Pacífico (PTWC, por sus siglas en inglés) de NOAA en Ewa Beach, Hawái provee un servicio similar internacionalmente en el Mar Caribe.

La Red Sísmica de Puerto Rico (RSPR) de la Universidad de Puerto Rico en Mayagüez también provee información de terremotos y tsunamis y servicio de alerta a Puerto Rico y las Islas Vírgenes en coordinación con WCATWC.

NOAA y el Programa Nacional para la Mitigación de Peligros de Tsunamis (NTHMP, por sus siglas en inglés) están proveyendo el esquema para este ejercicio para que el personal que responde a emergencias en la costa atlántica y PR/IV puedan probar y actualizar sus planes de respuesta a un tsunami. Altos niveles de vulnerabilidad a lo largo de la costa atlántica, al igual que la analogía del Océano Índico, deberían proveer un fuerte incentivo para que jurisdicciones locales se preparen para un tsunami.

Este ejercicio proveerá mensajes de avisos de tsunami simulados desde el WCATWC, producido por un terremoto hipotético al norte de Puerto Rico. Ejercicios como éste aseguran que las costas atlánticas de EUA y Canadá y del Caribe estén listas para responder en el caso poco probable de un tsunami peligroso. Ejercicios recientes en la Cuenca del Pacífico han sido efectivos en fortalecer los niveles de preparación de las organizaciones de manejo de emergencia.

2. Concepto del ejercicio

2.1 Propósito

El propósito de este ejercicio es mejorar la efectividad del sistema de aviso de tsunami a lo largo de la costa atlántica de EUA y Canadá. El ejercicio provee una oportunidad para las organizaciones de manejo de emergencia a lo largo de la costa atlántica y PR/IV para ejercitarse en sus líneas operacionales de comunicación, revisar sus procedimientos de respuesta a tsunami y promover la preparación a tsunamis. El ejercicio regular de planes de respuesta es crucial para mantener la preparación ante una emergencia. Esto es particularmente cierto para tsunamis que son eventos infrecuentes pero de gran impacto. Cada organización de manejo de emergencia (OME) es bienvenida a participar.

2.2 Objetivos

Cada organización puede desarrollar sus objetivos para este ejercicio dependiendo de su nivel de participación en el escenario. Los objetivos principales del ejercicio son los siguientes:

- Asegurar la transmisión del mensaje de WCATWC a través de los contactos primarios a las OME costeras y probar la coordinación con RSPR.
- Probar los planes de respuesta de tsunami para esas OME costeras atlánticas y de PR/IV que tienen planes desarrollados y proveer un catalítico para las OME que no han desarrollado uno.
- Que las OME revisen, discutan y evalúen varias de las opciones de comunicación para recibir y diseminar mensajes de tsunami.
- Que las OME revisen, discutan y evalúen posibles acciones y retos de respuesta.
- Identificar procesos para emitir notificaciones locales de luz verde (all clear).

2.3 Tipo de ejercicio

El ejercicio debería llevarse a cabo de manera tal que las comunicaciones y la toma de decisiones en los varios niveles organizacionales se lleven a cabo sin interrumpir y sin alarmar al público. Participantes, pueden extender el ejercicio para probar los sistemas de notificación local como sirenas o altoparlantes.

Los ejercicios estimulan el desarrollo, entrenamiento, pruebas y evaluación de Planes de Desastre y Procedimientos Estándares de Operaciones. Los participantes del ejercicio pueden usar ejercicios anteriores de peligros múltiples (inundación, huracán, terremoto, etc.) como esquema para conducir LANTEX 09.

Los ejercicios se pueden conducir en varias escalas de magnitud y sofisticación. Los siguientes ejemplos muestran diferentes tipos de ejercicios conducidos por OME.

1. **Seminario:** Un ejercicio de orientación establece la base para un programa comprensivo de ejercicio. Es un evento planificado, desarrollado para unir a individuos y oficiales con un papel o interés en planificación de respuesta a peligros múltiples, solución de problemas, desarrollo de procedimientos de estándares de operaciones e integración y coordinación de recursos. Un ejercicio de orientación tendrá una meta específica y objetivos escritos y resultará en un Plan de Acción precisamente acordado.

2. **Práctica (Drill):** El simulacro es una actividad planificada que prueba, desarrolla y mantiene las habilidades en uno o pocos procedimientos de respuesta a emergencias. Las prácticas generalmente involucran respuestas operacionales de departamentos o agencias. Las prácticas pueden involucrar notificaciones internas y actividades en el campo.

3. **Ejercicio de mesa/teórico:** El ejercicio de mesa es una actividad planificada en la cual oficiales locales, personal clave y organizaciones con responsabilidades de manejo de emergencia son expuestos a situaciones de emergencia simuladas. Se desarrolla de manera informal, en una sala de conferencias y es diseñado para provocar discusiones constructivas entre los participantes. Los participantes examinarán y tratarán de resolver problemas basados en planes y procedimientos existentes. Se exhorta a los individuos a discutir las decisiones a profundidad con énfasis en la solución de problemas y la toma de decisiones a tiempo real. Un ejercicio de mesa debería tener metas y objetivos específicos y una narrativa del escenario. (Leer Anejo A para una muestra de un bosquejo de un ejercicio de mesa).

4. **Ejercicio funcional:** Un ejercicio funcional es una actividad planificada diseñada para probar y evaluar las capacidades de la organización. También es utilizada para evaluar la capacidad del sistema de manejo de emergencia de una comunidad comprobando el Plan de Operaciones de Emergencia. El mismo está basado en una simulación de una situación realista de emergencia que incluye una descripción de la situación (narrativa) con comunicaciones entre participantes y simuladores. El ejercicio funcional le da a los participantes (quienes toman las decisiones) una experiencia completamente simulada de un evento de desastre mayor. Debería ocurrir en el lugar de coordinación apropiado (es decir en un centro de operaciones de emergencia, centro de mando de emergencia, puesto de mando, centro de control, etc) y activar a todos los miembros designados para el plan. Agencias internas y externas (gobierno, sector privado y agencias de voluntarios) deberían estar involucradas. Se requieren participantes, directores, simuladores y evaluadores. El envío de mensajes será simulado e insertado por el equipo de control para las acciones o respuestas de los participantes, bajo limitaciones reales. Podría o no incluir desalojos de público. El ejercicio funcional deberá tener metas y objetivos específicos y una narrativa del escenario.

5. Ejercicio a gran escala: Un ejercicio a gran escala es la culminación de un programa de ejercicios progresivos que ha crecido junto a la capacidad de la comunidad para conducir ejercicios. El ejercicio a gran escala es una actividad planificada en un ambiente "retante" que abarca la mayoría de las funciones de manejo de emergencia. Este tipo de ejercicio involucra la mobilización y despliegue del personal apropiado y de recursos necesarios con el fin de demostrar las capacidades operacionales. El ejercicio a gran escala es el más grande, costoso y complejo dentro de los distintos tipos de ejercicio. Este podría o no incluir desalojos del público.

Ejemplos de Periodos de tiempo para los diferentes tipos de ejercicio

Tipo	Periodo de planificación	Duración	Comentarios
Seminario	2 semanas	1 día	Individuos o grupos mixtos
Práctica (Drill)	2 días	1 día	Generalmente individuos o grupos técnicos
Ejercicio de mesa/teórico	2 semanas	1-3 días	Una o múltiples agencias
Ejercicio funcional	1-2 meses	1-5 días	Participación multi-agencial
Ejercicio a gran escala	2-6 meses	1 día/semana	Participación multi-agencial

3. Bosquejo del ejercicio

3.1 General

El escenario para este ejercicio comenzará con un terremoto mayor (magnitud 8.6) al norte de Puerto Rico (19.0 N, 65.0 O) que generará un tsunami destructivo para Puerto Rico y las Islas Vírgenes (con amplitudes del tsunami sobre los 5 m), además generará un tsunami moderado, pero dañino, en la costa atlántica de EUA y Canadá (con amplitudes de tsunami de 0.1 a 2.0 m) se generará un tsunami menor, no destructivo, en el Golfo de México (con amplitudes de tsunami menor de 0.3 m). El terremoto ocurrirá a las 9:00 am del 2 de abril de 2009. El tsunami en Puerto Rico y las Islas Vírgenes inunda hasta el máximo esperado. El tsunami no inunda gran cantidad de tierra en la costa atlántica de EUA y Canadá, pero provocará corrientes peligrosas capaces de producir daños significativos a barcos, puertos y muelles. También será peligroso nadar en las aguas. El tsunami no producirá daños

en el Golfo de México. Éste es un escenario realista para un terremoto mayor en Puerto Rico, discutido con más detalle en el Anejo B.

WCATWC no transmitirá mensajes en vivo durante el ejercicio, sólo transmitirá el mensaje inicial "dummy", a través de rutas de comunicaciones estándar, para comenzar el ejercicio a las 9:05 am del 2 de abril de 2009. El contenido de este mensaje "dummy" se presenta en el Anejo C. El mensaje "dummy" indicará que los participantes del ejercicio deberán referirse al primer mensaje provisto en este manual. De ahí en adelante, los participantes deben seguir el programa en la Tabla 1 para abrir y leer los próximos mensajes. La Tabla 1 presenta el tiempo de emisión de los mensajes de WCATWC, si este fuera un evento real por lo que deberán ser usados por las OME para correr el ejercicio. Los mensajes (en el Anejo D) cubren un periodo de 12 horas, aunque pudieran durar más tiempo en un evento real. Los encabezados utilizados por la Organización Mundial de Meteorología (WMO, por sus siglas en inglés) y el Sistema Avanzado de Procesamiento Interactivo del Tiempo (AWIPS, por sus siglas en inglés) usados en el mensaje "dummy" se presentan en la Tabla 2.

Durante eventos reales, el WCATWC emite dos productos oficiales cada vez que un mensaje real es emitido. El primero, y aquellos presentados en el Anejo D, son conocidos como mensaje estándar. Este mensaje es un mensaje segmentado que incluye las zonas codificadas del NWS y su nivel de amenaza en la parte inferior del mensaje. La segmentación es usada en los sistemas de procesamiento automático que analizan sintácticamente los productos del NWS. El producto estándar también presenta los tiempos esperados de arribo. El segundo producto se conoce como el mensaje público. Este mensaje no tiene segmentación y es escrito en un formato fácil de leer y sin tabular. Los productos contienen la misma información básica. Las OME generalmente usan el producto estándar para respuesta a una alerta porque contiene información más completa. WCATWC también emite productos adicionales de gráficas y en línea en su página del internet. El Anejo E presenta ejemplos de estos mensajes.

Los participantes pueden elegir su propio periodo de tiempo para lograr sus objetivos particulares. Por ejemplo, la oficina de control de una OME particular puede decidir someter los boletines de WCATWC dentro del ejercicio cuando así deseen, o como alternativa poner los boletines en sobres con el tiempo, en que deben ser abiertos (escrito en cada uno de ellos). Cada agencia participante debe tener su propia colección de sobres. Los mensajes en el Anejo D facilitarán este enfoque.

Aunque no se espera que, un tsunami real generado al norte de Puerto Rico impacte significativamente la costa del Golfo de México, se exhorta a las OME, de la región, a que participen. De esta forma se asegura que los planes de respuesta estén en orden. Los tiempos de arribo estimados del tsunami, en varias localidades atlánticas de EUA y Canadá, están incluidos en los mensajes de WCATWC (el Anejo E contiene una lista de tiempos de arribo a otras localidades atlánticas que estarían disponibles en la internet durante un evento real, al igual que un mapa con los tiempos de viaje del tsunami). Además, las OME son bienvenidas a modificar los tiempos de arribo y las amplitudes de onda según convenga

para su ejercicio. Por ejemplo, el tsunami puede llegar antes y con una amplitud mayor. Otras acciones son bienvenidas, como informes de daños de tsunami.

3.2 Programa maestro (guion del ejercicio)

Tabla 1: Periodo de tiempo del escenario

Tsunami generado por un terremoto el 2 de abril de 2009 a las 9:00 am de magnitud 8.6 con epicentro en la latitud 19 N, y la longitud 65 O.

Fecha	Hora local	Mensaje de WCATWC		
		#	Tipo	Dummy
04/02/2009	9:00 am	Ocurre el terremoto		
04/02/2009	9:05 am	01	WWA	Sí
04/02/2009	9:35 am	02	WWA	No
04/02/2009	10:05 am	03	WWA	No
04/02/2009	10:35 am	04	WWA	No
04/02/2009	11:35 am	05	WWA	No
04/02/2009	12:35 pm	06	WWA	No
04/02/2009	1:35 pm	07	WWA	No
04/02/2009	2:35 pm	08	WWA	No
04/02/2009	3:35 pm	09	WWA	No
04/02/2009	4:35 pm	10	WWA	No
04/02/2009	5:35 pm	11	WWA	No
04/02/2009	6:35 pm	12	WWA	No
04/02/2009	7:35 pm	13	WWA	No
04/02/2009	8:35 pm	14	WWA	No
04/02/2009	9:35 pm	15	Can	No

WCATWC Tipos de mensajes:

WWA Aviso/Vigilancia/Advertencia

Can Cancelación WWA

Dummy:

Sí Emitido

No No emitido

Tabla 2: Tipos de productos

Tipos de productos emitidos para el mensaje "dummy" con sus métodos de transmisión

Centro	WMO ID	AWIPS ID	NWWS	GTS	EMWIN	Fax	Correo Electrónico
WCATWC	WEXX20PAAQ	TSUAT1	SÍ	SÍ	SÍ	SÍ	Sí

NWWS Servicio de Cable del Tiempo NOAA

GTS Sistema de telecomunicaciones global

EMWIN Red de información del tiempo de los manejadores de emergencia

3.3 Medidas en caso de un evento real

En el caso de que un **evento real ocurra durante el ejercicio**, WCATWC emitirá sus productos de mensajería regular. Se dará mayor prioridad a los mensajes reales y el centro decidirá si emite el mensaje "dummy" del ejercicio y si continúa proveyendo apoyo telefónico para el mismo. Terremotos pequeños, que tan solo provoquen una declaración de información de tsunami, no interrumpirán el ejercicio. Toda documentación y correspondencia relacionada a este ejercicio será claramente identificada como **LANTEX 09 y Ejercicio**.

3.4 Recursos

Aunque las organizaciones de manejo de emergencia tendrán notificación del ejercicio por adelantado. Podrán tener un turno especial que permita la continuación ininterrumpida de las actividades normales. Se solicita además que se utilicen niveles realistas en la utilización de recursos. Esto permitirá la evaluación de problemas que se podrían presentar durante un evento real.

Se pueden realizar preguntas sobre el ejercicio a:

Melinda Bailey	NWS Southern Region	817-978-1100x107	melinda.bailey@noaa.gov
Bill Knight	WCATWC TWSO	907-745-4212	william.knight@noaa.gov
Don Miller	NWS Eastern Region	631-244-0122	donald.j.miller@noaa.gov
Christa von Hillebrandt	PRSN Director	787-833-8433	christa@midas.uprm.edu
Robert Ward	NTHMP Eastern Rep.		rward@mema.state.md.us
Paul Whitmore	WCATWC Director	907-745-4212	paul.whitmore@noaa.gov
Charles Williams	NTHMP GoM Rep.	205-280-2222	charles.williams@ema.alabama.gov

3.5 Arreglos con los medios de comunicación

Una ventaja de conducir este tipo de ejercicio es que promueve la creación de conciencia sobre el tema del ejercicio. Muchos residentes en la costa este y el Golfo de México podrían no darse cuenta de que un sistema de alerta de tsunami existe para la región, y menos la respuesta adecuada. Las comunidades podrían invitar a los medios locales de comunicación al ejercicio para promover conciencia local del peligro de los tsunamis. El Anejo F contiene un ejemplo de la nota de prensa que se puede adaptar según sea necesario.

NOAA emitirá una nota de prensa, varios días antes del ejercicio, describiendo el ejercicio y su propósito.

4.0 Evaluación después del ejercicio

A todas las agencias participantes se les pide que provean una breve retroalimentación sobre el ejercicio. Esta retroalimentación ayudará a NTHMP y NOAA en la evaluación del ejercicio LANTEX 09 y el desarrollo de ejercicios subsiguientes. Además ayudará a las agencias de respuesta a documentar las lecciones aprendidas.

Los formularios de evaluación del ejercicio están incluidos en el Anejo G. Los formularios deben llenarse en o antes del 1 de mayo de 2009 y enviarse a:

WCATWC Director
NOAA/West Coast/Alaska Tsunami Warning Center
910 South Felton Street
Palmer, Alaska 99645

FAX: 907-745-6071

También podrá ser escaneado y enviado por correo electrónico a paul.whitmore@noaa.gov

Los formularios de evaluación del ejercicio están designados para "uso oficial solamente" y no serán distribuidos por NOAA o NTHMP.

Anejo A. Ejemplo de ejercicio de mesa

Pasos de desarrollo del ejercicio de mesa

Fuente: Oficina de servicios de emergencia de California

El ejercicio de mesa es una actividad planificada en la cual oficiales locales, personal clave y organizaciones con responsabilidades de manejo de emergencia son expuestos a situaciones de emergencia simuladas. Se desarrolla de manera informal, en una sala de conferencias y es diseñado para provocar discusiones constructivas entre los participantes. Los participantes examinarán y tratarán de resolver problemas basados en planes y procedimientos existentes. Se exhorta a los individuos a discutir las decisiones a profundidad con énfasis en la solución de problemas y la toma de decisiones a tiempo real. El moderador del ejercicio introduce por medio de un mensaje escrito, llamada telefónica simulada o llamada de radio o por otros medios un escenario de tsunami simulado a los participantes. También se presentan problemas y actividades del ejercicio. Los participantes conducen discusiones en grupo, llegan a acuerdos en torno a las resoluciones. Luego el líder del grupo realiza un resumen. Un ejercicio de simulación deberá tener metas y objetivos específicos y una narrativa del escenario.

A continuación se provee una estructura del ejercicio de simulación. Así mismo se provee un texto y un ejercicio de ejemplo.

1. Análisis de vulnerabilidad: Declaración del problema

Ejemplo de un huracán:

Debido a los recientes incidentes de huracán en la región del sureste de los Estados Unidos, la amenaza que presentan estos desastres ha estado más presente, por lo que la necesidad de un sistema de desalojo es vital. El estado de Luisiana continúa sus tareas de planificar, educar y entrenar para la preparación ante un huracán.

2. Propósito (misión): Intención, que se espera lograr (declaración de política)

Un ejemplo para un huracán puede ser:

El estado de Luisiana se ha dado cuenta y reconoce la necesidad de un sistema de desalojo eficiente y efectivo. Por esta razón, está respondiendo con este plan de ejercicio comprensivo. Estos eventos incluirán seminarios, talleres, ejercicios de mesa, ejercicios funcionales y a gran escala, dentro de un marco de tiempo de 18 meses, bajo el programa de becas de Seguridad Nacional del estado.

3. Alcance: Actividades del ejercicio

Agencias involucradas

Tipo de peligro

Área geográfica de impacto

Un ejemplo puede ser:

Coordinadores de servicios de emergencia locales identificarán jurisdicciones representativas de cada una de las 6 regiones de ayuda mutua localizadas a través del estado. Estas participarán como jurisdicciones anfitrionas en una serie de ejercicios de preparación de desastre. Estas jurisdicciones anfitrionas desarrollarán una serie de ejercicios progresivos (de cada tipo) partiendo de ejercicios previos. El proceso comenzará con un análisis de vulnerabilidad para cada jurisdicción y continuará a través de una serie de actividades de ejercicios incluyendo: seminarios de orientación, talleres, ejercicios de mesa y ejercicios funcionales. El objetivo eventual de estas actividades será reducir los impactos de los desastres en las poblaciones e infraestructura de ciudades. Todos los eventos serán evaluados utilizando el Programa de Evaluación de Ejercicio de Seguridad Nacional de EUA (HSEEP, por sus siglas en inglés) y estándares de reporte de acción (AAR, por sus siglas en inglés). Los pasos para las acciones correctivas serán parte del informe y de los procesos de acción posterior. Jurisdicciones aledañas, en el área de ayuda mutua, servirán como miembros del equipo de diseño del ejercicio, evaluadores del ejercicio u observadores del ejercicio. Con el propósito de transferir información y así aumentar su preparación operacional. Las jurisdicciones participarán cada dos años (rotativos). De esta forma se provee la oportunidad de participación de múltiples jurisdicciones.

4. Metas y objetivos:

Criterios para la creación de buenos objetivos: "Think Smart"

- Simple (conciso)
- Medible
- Que sea viable (¿se puede lograr durante el ejercicio?)
- Realista (y retante)
- Orientado a tareas y funciones

Un ejemplo puede ser:

Objetivos del programa comprensivo del ejercicio

- Mejorar la preparación operacional
- Mejorar la coordinación multi-agencial y la capacidad de respuesta efectiva ante un desastre

- Identificar las vías de comunicación y las áreas problemáticas antes del evento; entre las jurisdicciones locales y las áreas de cooperación, centros regionales y estatales de operaciones de emergencia
- Establecer métodos uniformes para el ordenamiento, al igual que el rastreo y almacenamiento de recursos a agencias involucradas en todos los niveles del gobierno.

5. Narrativa:

La narrativa debe describir lo siguiente:

- Generación del evento de desastre o emergencia
- Descripción del ambiente al momento en que comienza el ejercicio
- Proveer información de trasfondo necesario
- Preparación de los participantes para el ejercicio
- Descubrir, informar: ¿Cómo te enteraste?
- Noticia por anticipado
- Hora, lugar y nivel de daño

6. Evaluación:

La evaluación debe describir lo siguiente:

- Basarse en objetivos
- Entrenar a los equipos de evaluación
- Desarrollar formularios de evaluación

7. Informes de acción después del evento (AAR):

El AAR debe ser compilado usando los informes de evaluación

8. Plan de mejoramiento (IP):

El IP debe reducir vulnerabilidades.

Anejo B. Descripción del escenario

Para simular el tsunami se utilizó el modelo de pronóstico de tsunami de WCATWC. El tsunami será generado por un terremoto de magnitud 8.6 al norte de Puerto Rico con epicentro en la latitud 19.0 N y la longitud 65.0 O. Otros parámetros de falla son los siguientes:

Largo: 347 km

Ancho: 90 km

Profundidad: 5 km

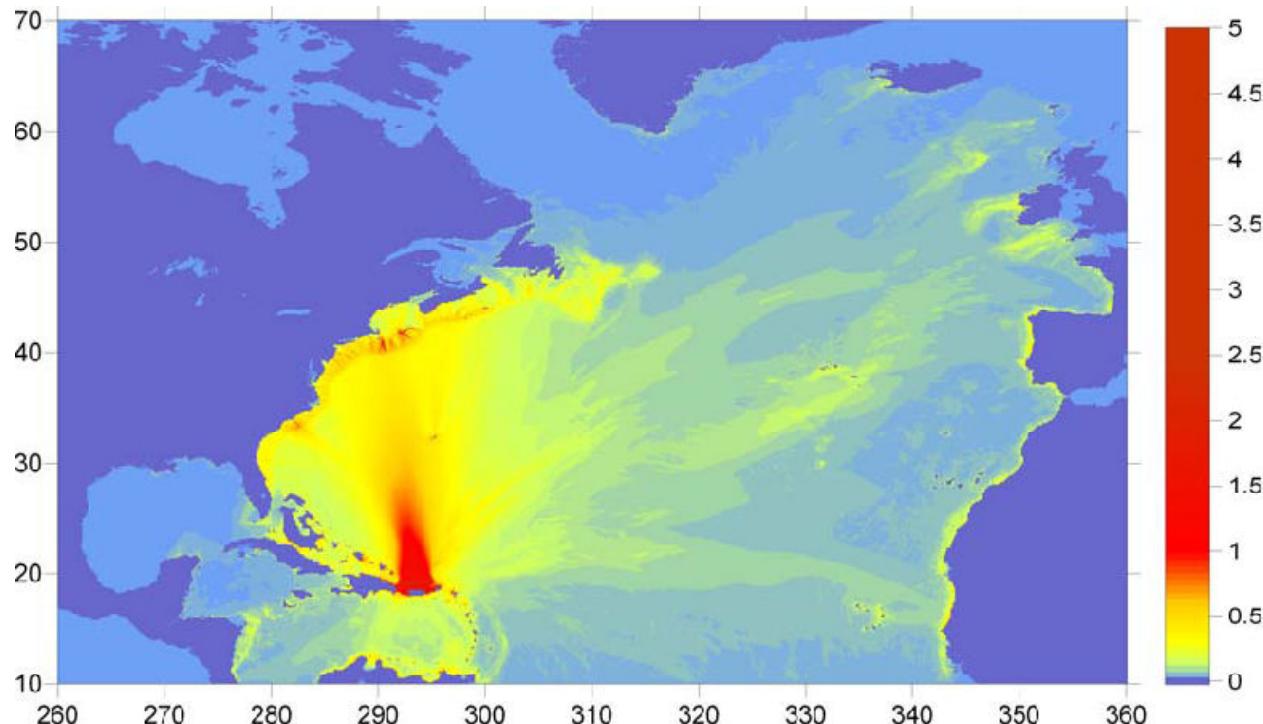
Rumbo: 85°

Buzamiento: 20°

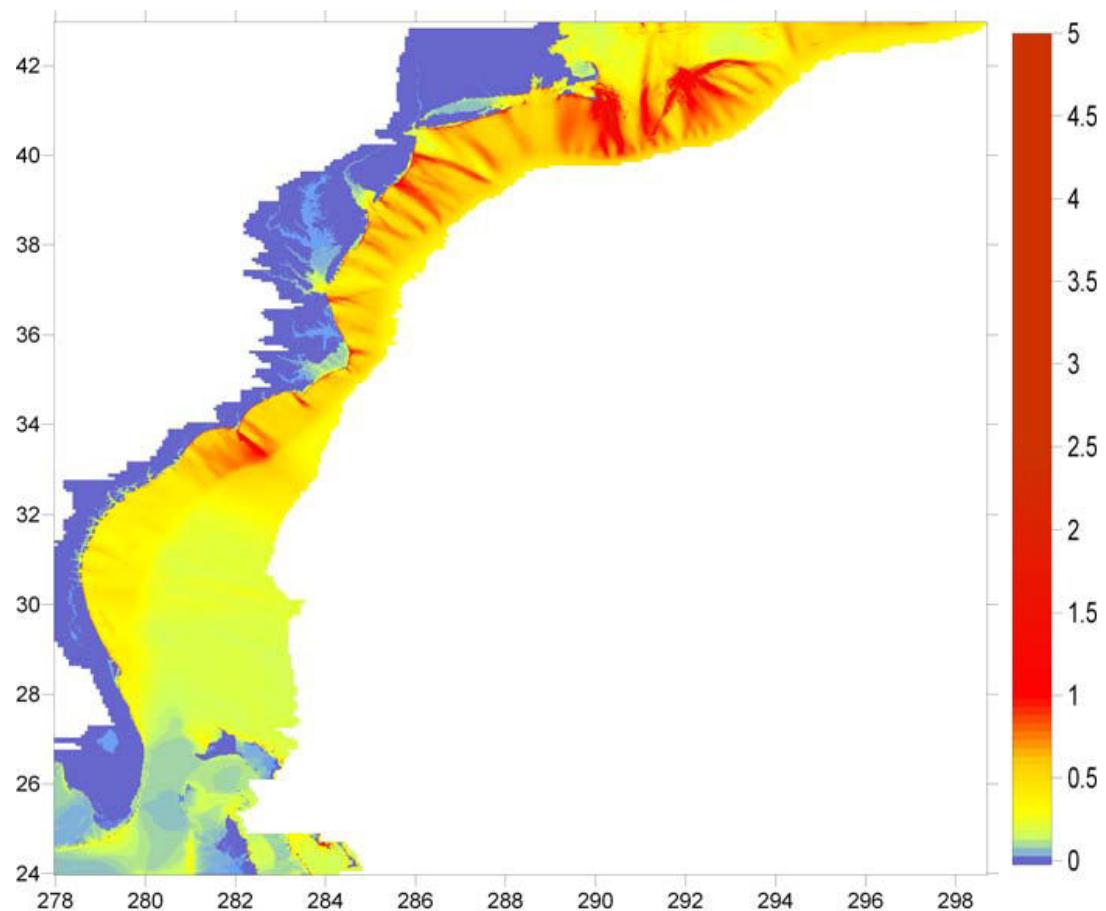
Momento: 8.9×10^{28} dyne-cm

El modelo fue computado usando una rejilla de resolución de 4 minutos en mar abierto y rejillas de resolución de 15 segundos adicionales en la costa atlántica de EUA y Canadá, Bermuda y la región de Puerto Rico y las Islas Vírgenes.

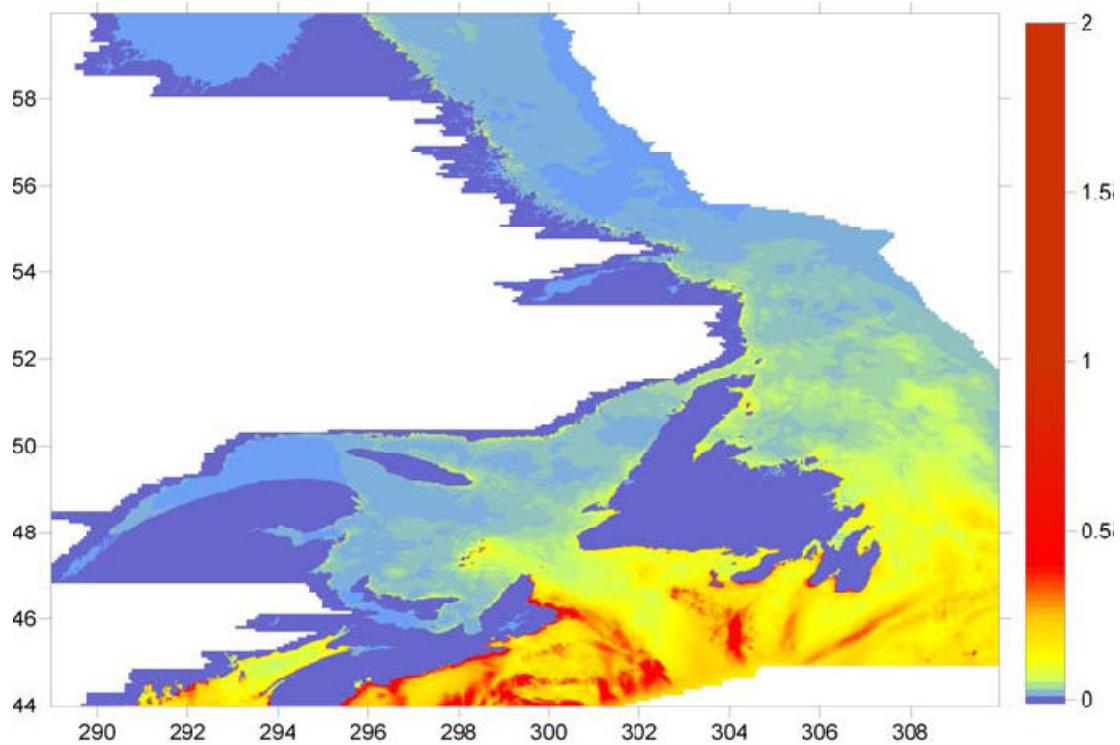
La siguiente figura demuestra la máxima amplitud modelada a través del Atlántico norte. Note la falta de propagación del tsunami en el Golfo de México.



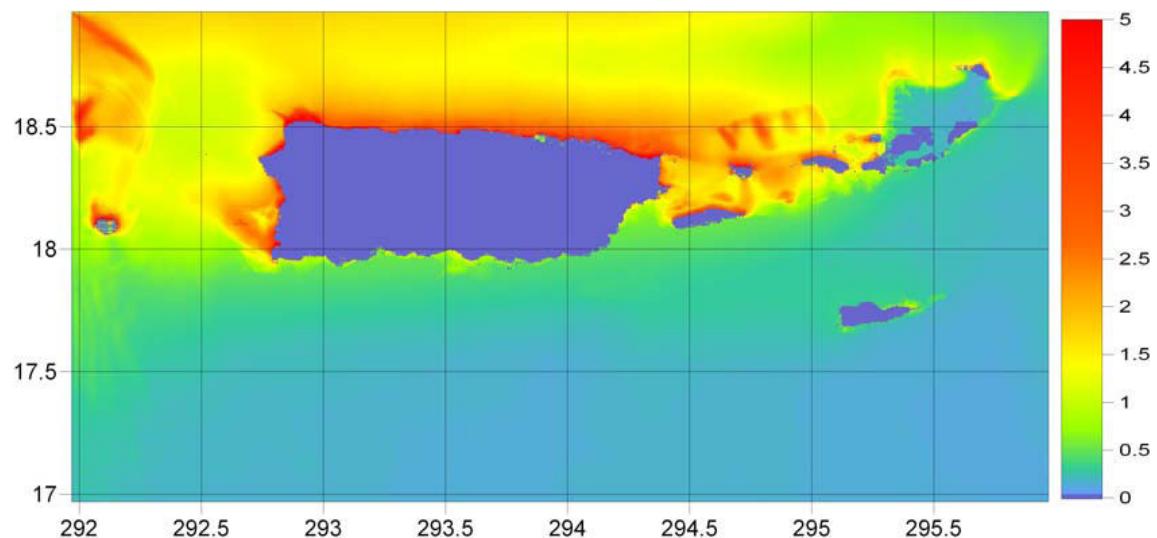
Las siguientes tres figuras demuestran la amplitud máxima modelada en las rejillas más finas cercanas a la costa atlántica de EUA, la costa de Canadá y alrededor de Puerto Rico e Islas Vírgenes.



Amplitudes máximas de tsunami modeladas en la segunda rejilla de 15 segundos usada mar afuera de la costa atlántica de E.U.



Amplitudes máximas del tsunami modeladas en la segunda rejilla, de 15 segundos, usada mar afuera de la costa de Canadá (note el cambio de escala de la figura de arriba)



Amplitudes máximas del tsunami modeladas en la segunda rejilla, de 15 segundos, usada cerca de Puerto Rico y las Islas Vírgenes (note el cambio de escala de la figura arriba)

La siguiente tabla provee las amplitudes máximas modeladas en varios sitios a lo largo del área del ejercicio.

Lugar	Amplitud (m)	Lugar	Amplitud (m)
Cayo Hueso, FL	0.17	Vaca Key, FL	0.23
Trident Pier, FL	1.05	St. Simons Is., GA	0.37
Charleston, SC	0.26	Springmaid Pier, SC	1.32
Sunset Beach, NC	1.12	Oregon Inlet, NC	0.82
Wrightsville, NC	1.34	Beaufort, NC	0.85
Duck, NC	1.30	Ocean City, MD	1.32
Lewes, DE	0.52	Marcus Hook, PA	0.05
Atlantic City, NJ	1.94	Cape May, NJ	0.39
Kings Point, NY	0.13	Montauk, NY	0.38
Bridgeport, CT	0.12	Boston, MA	0.14
Nantucket Is., MA	0.36	Cutler, ME	0.53
Bar Harbor, ME	0.46	Eastport, ME	0.12
Bermuda	1.10	Grand Manan IS., NB	0.57
Scatarie Is., NS	0.49	St. Lawrence, NL	0.45
Bonavista, NL	0.33	St. Pierre, Miquelon	0.83
Lanse au Clair, NF	0.06	Hebron, NF	0.02
Aguadilla, PR	7.43	Charlotte Amalie, IV	3.49
Mayagüez, PR	4.50	Norte de San Juan, PR	3.78
Culebra, PR	3.53	Isla de Mona, PR	1.63
DART 41420	0.98	DART 41421	0.32
DART 41424	0.29	DART 44401	0.10
DART 44402	0.36	DART 42407	0.11

Anejo C. Mensaje Dummy emitido por el WCATWC. Este mensaje permanecerá en inglés, ya que WCATWC sólo emite mensajería en este idioma.

WEXX20 PAAQ 021305

TSUAT1

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

NWS WEST COAST/ALASKA TSUNAMI WARNING CENTER PALMER AK

905 AM EDT TUE APR 2 2009

...LANTEX 09 TSUNAMI EXERCISE MESSAGE. REFER TO WCATWC MESSAGE 1 IN THE EXERCISE HANDBOOK. THIS IS AN EXERCISE ONLY...

THIS MESSAGE IS BEING USED TO START OFF THE LANTEX 09 NORTHWEST ATLANTIC TSUNAMI EXERCISE. THIS WILL BE THE ONLY EXERCISE MESSAGE TRANSMITTED

FROM THE WEST COAST/ALASKA TSUNAMI WARNING CENTER. EXERCISE PARTICPANTS SHOULD REFER TO THE SCENARIO TIMELINE IN THE HANDBOOK FOR FUTURE MESSAGES. THE HANDBOOK IS AVAILABLE AT THE WEB SITE WCATWC.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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Anejo D. Mensajería emitida por el WCATWC. Esta mensajería permanecerá en inglés, ya que WCATWC sólo emite mensajería en este idioma.

The following messages, created for the LANTEX 09 tsunami exercise, are representative of the official standard products issued by the West Coast and Alaska Tsunami Warning Center during a large earthquake and tsunami originating north of Puerto Rico. During a real event, the center would also issue graphical and html-based products to its web site and via RSS.

WCATWC Message #1

WEXX20 PAAQ 021305
TSUAT1

BULLETIN

TEST...TSUNAMI MESSAGE NUMBER 1...TEST
NWS WEST COAST/ALASKA TSUNAMI WARNING CENTER PALMER AK
905 AM AST THU APR 2 2009

...A TEST TSUNAMI WARNING IS IN EFFECT FOR PUERTO RICO AND THE VIRGIN ISLANDS...

...THIS MESSAGE IS INFORMATION ONLY FOR U.S. AND CANADIAN ATLANTIC AND GULF OF MEXICO COASTAL REGIONS NOT INCLUDED IN THE AREAS LISTED ABOVE...

RECOMMENDED ACTIONS

IT IS NOT KNOWN - REPEAT NOT KNOWN - IF A TSUNAMI EXISTS BUT A TSUNAMI MAY HAVE BEEN GENERATED. PERSONS IN LOW-LYING COASTAL AREAS SHOULD BE ALERT TO INSTRUCTIONS FROM THEIR LOCAL EMERGENCY OFFICIALS. EVACUATIONS ARE ONLY ORDERED BY EMERGENCY RESPONSE AGENCIES.

- PERSONS IN TSUNAMI WARNING COASTAL AREAS SHOULD MOVE INLAND TO HIGHER GROUND.

THIS MESSAGE IS BASED MAINLY ON EARTHQUAKE DATA. AS MORE INFORMATION BECOMES AVAILABLE THE WARNING AREAS WILL BE REFINED.

PRELIMINARY EARTHQUAKE PARAMETERS

MAGNITUDE - 8.6

TIME - 0900 EDT APR 02 2009
0900 AST APR 02 2009
1300 UTC APR 02 2009

LOCATION - 19.0 NORTH 65.0 WEST
65 MILES/105 KM NE OF FAJARDO PUERTO RICO

80 MILES/129 KM NE OF SAN JUAN PUERTO RICO
DEPTH - 12 MILES/20 KM

THE PACIFIC TSUNAMI WARNING CENTER IN EWA BEACH HAWAII WILL ISSUE MESSAGES FOR AREAS IN THE CARIBBEAN OUTSIDE PUERTO RICO AND THE VIRGIN ISLANDS.

TSUNAMI WARNINGS MEAN THAT A TSUNAMI WITH SIGNIFICANT WIDESPREAD INUNDATION IS IMMINENT OR EXPECTED. WARNINGS INDICATE THAT WIDESPREAD DANGEROUS COASTAL FLOODING ACCCOMPANIED BY POWERFUL CURRENTS IS POSSIBLE AND MAY CONTINUE FOR SEVERAL HOURS AFTER THE INITIAL WAVE ARRIVAL.

THIS MESSAGE WILL BE UPDATED IN 30 MINUTES OR SOONER IF THE SITUATION WARRANTS. THE TSUNAMI MESSAGE WILL REMAIN IN EFFECT UNTIL FURTHER NOTICE. REFER TO THE INTERNET SITE WCATWC.ARH.NOAA.GOV FOR MORE INFORMATION.

AMZ712-715-725-735-742-745-PRZ001>003-005-007-008-010-011-
VIZ001-002-021405-
COASTAL AREAS OF PUERTO RICO AND THE VIRGIN ISLANDS.
905 AM AST THU APR 2 2009

...A TEST TSUNAMI WARNING IS IN EFFECT FOR PUERTO RICO AND THE VIRGIN ISLANDS...

TSUNAMI WARNINGS MEAN THAT A TSUNAMI WITH SIGNIFICANT WIDESPREAD INUNDATION IS IMMINENT OR EXPECTED. TSUNAMIS ARE A SERIES OF WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED SITES IN THE WARNING ARE PROVIDED BELOW.

SAN JUAN-PR 0917 AST APR 2 MAYAGUEZ-PR 0936 AST APR 2
CHRISTIANSTED-VI 0928 AST APR 2 CHARLOT AMALI-VI 0941 AST APR 2
FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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WCATWC Message #2

WEXX20 PAAQ 021335
TSUAT1

BULLETIN

TEST...TSUNAMI MESSAGE NUMBER 2...TEST
NWS WEST COAST/ALASKA TSUNAMI WARNING CENTER PALMER AK
935 AM AST THU APR 2 2009

...A TEST TSUNAMI WARNING IS IN EFFECT FOR PUERTO RICO AND THE VIRGIN ISLANDS...

...THIS MESSAGE IS INFORMATION ONLY FOR U.S. AND CANADIAN ATLANTIC AND GULF OF MEXICO COASTAL REGIONS NOT INCLUDED IN THE AREAS LISTED ABOVE...

RECOMMENDED ACTIONS

A TSUNAMI HAS BEEN GENERATED WHICH COULD CAUSE DAMAGE TO THE WARNING AND/OR ADVISORY REGIONS LISTED IN THE HEADLINE. PERSONS IN LOW-LYING COASTAL AREAS SHOULD BE ALERT TO INSTRUCTIONS FROM THEIR LOCAL EMERGENCY OFFICIALS. EVACUATIONS ARE ONLY ORDERED BY EMERGENCY RESPONSE AGENCIES.

- PERSONS IN TSUNAMI WARNING COASTAL AREAS SHOULD MOVE INLAND TO HIGHER GROUND.

THIS MESSAGE IS BASED ON EARTHQUAKE DATA... OBSERVED TSUNAMI AMPLITUDES... HISTORICAL INFORMATION AND FORECAST MODELS.

A TSUNAMI HAS BEEN OBSERVED AT THE FOLLOWING SITES

LOCATION	LAT	LON	TIME	AMPL
CHARLOTTE AMALIE US VI	18.3N	64.9W	1315UTC	0.77M/2.5FT
CULEBRA ISAND PR	18.3N	65.3W	1317UTC	0.93M/3.0FT
LAMESHUR BAY ST JOHNS	18.3N	64.7W	1322UTC	1.05M/3.5FT

TIME - TIME OF MEASUREMENT

AMPL - TSUNAMI AMPLITUDES ARE MEASURED RELATIVE TO NORMAL SEA LEVEL.

IT IS ...NOT... CREST-TO-TROUGH WAVE HEIGHT.

VALUES ARE GIVEN IN BOTH METERS (M) AND FEET (FT).

PRELIMINARY EARTHQUAKE PARAMETERS

MAGNITUDE - 8.6

TIME - 0900 EDT APR 02 2009
0900 AST APR 02 2009
1300 UTC APR 02 2009

LOCATION - 19.0 NORTH 65.0 WEST
65 MILES/105 KM NE OF FAJARDO PUERTO RICO

80 MILES/129 KM NE OF SAN JUAN PUERTO RICO
DEPTH - 12 MILES/20 KM

THE PACIFIC TSUNAMI WARNING CENTER IN EWA BEACH HAWAII WILL ISSUE MESSAGES FOR AREAS IN THE CARIBBEAN OUTSIDE PUERTO RICO AND THE VIRGIN ISLANDS.

TSUNAMI WARNINGS MEAN THAT A TSUNAMI WITH SIGNIFICANT WIDESPREAD INUNDATION IS IMMINENT OR EXPECTED. WARNINGS INDICATE THAT WIDESPREAD DANGEROUS COASTAL FLOODING ACCCOMPANIED BY POWERFUL CURRENTS IS POSSIBLE AND MAY CONTINUE FOR SEVERAL HOURS AFTER THE INITIAL WAVE ARRIVAL.

THIS MESSAGE WILL BE UPDATED IN 30 MINUTES OR SOONER IF THE SITUATION WARRANTS. THE TSUNAMI MESSAGE WILL REMAIN IN EFFECT UNTIL FURTHER NOTICE. REFER TO THE INTERNET SITE WCATWC.ARH.NOAA.GOV FOR MORE INFORMATION.

AMZ712-715-725-735-742-745-PRZ001>003-005-007-008-010-011-
VIZ001-002-021435-
COASTAL AREAS OF PUERTO RICO AND THE VIRGIN ISLANDS.
935 AM AST THU APR 2 2009

...A TEST TSUNAMI WARNING IS IN EFFECT FOR PUERTO RICO AND THE VIRGIN ISLANDS...

TSUNAMI WARNINGS MEAN THAT A TSUNAMI WITH SIGNIFICANT WIDESPREAD INUNDATION IS IMMINENT OR EXPECTED. TSUNAMIS ARE A SERIES OF WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED SITES IN THE WARNING ARE PROVIDED BELOW.

SAN JUAN-PR 0917 AST APR 2 MAYAGUEZ-PR 0936 AST APR 2
CHRISTIANSTED-VI 0928 AST APR 2 CHARLOT AMALI-VI 0941 AST APR 2
FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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WCATWC Message #3

WEXX20 PAAQ 021405
TSUAT1

BULLETIN

TEST...TSUNAMI MESSAGE NUMBER 3...TEST
NWS WEST COAST/ALASKA TSUNAMI WARNING CENTER PALMER AK
1005 AM AST THU APR 2 2009

...A TEST TSUNAMI WARNING IS IN EFFECT WHICH INCLUDES THE
COASTAL AREAS OF SOUTH CAROLINA - NORTH CAROLINA - VIRGINIA
- MARYLAND - DELAWARE - NEW JERSEY - NEW YORK - CONNECTICUT
- RHODE ISLAND - MASSACHUSETTS - NEW HAMPSHIRE - MAINE -
NEW BRUNSWICK - NOVA SCOTIA AND NEWFOUNDLAND FROM SOUTH
SANTEE RIVER SOUTH CAROLINA TO LA MANCHE NEWFOUNDLAND...

...A TEST TSUNAMI WARNING IS IN EFFECT FOR PUERTO RICO AND THE
VIRGIN ISLANDS...

...A TEST TSUNAMI ADVISORY IS IN EFFECT WHICH INCLUDES THE
COASTAL AREAS OF FLORIDA - GEORGIA AND SOUTH CAROLINA FROM
FLAMINGO FLORIDA TO SOUTH SANTEE RIVER SOUTH CAROLINA...

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR THE COASTAL AREAS OF
NEWFOUNDLAND AND LABRADOR FROM LA MANCHE NEWFOUNDLAND TO
CAPE CHIDLEY LABRADOR...

...THIS MESSAGE IS INFORMATION ONLY FOR U.S. AND CANADIAN
ATLANTIC AND GULF OF MEXICO COASTAL REGIONS NOT INCLUDED IN
THE AREAS LISTED ABOVE...

RECOMMENDED ACTIONS

A TSUNAMI HAS BEEN GENERATED WHICH COULD CAUSE DAMAGE TO THE
WARNING AND/OR ADVISORY REGIONS LISTED IN THE HEADLINE. PERSONS
IN LOW-LYING COASTAL AREAS SHOULD BE ALERT TO INSTRUCTIONS FROM
THEIR LOCAL EMERGENCY OFFICIALS. EVACUATIONS ARE ONLY ORDERED BY
EMERGENCY RESPONSE AGENCIES.

- PERSONS IN TSUNAMI WARNING COASTAL AREAS SHOULD MOVE INLAND TO
HIGHER GROUND.
- PERSONS IN TSUNAMI ADVISORY AREAS SHOULD MOVE OUT OF THE
WATER... OFF THE BEACH AND OUT OF HARBORS AND MARINAS.

THIS MESSAGE IS BASED ON EARTHQUAKE DATA... OBSERVED TSUNAMI
AMPLITUDES... HISTORICAL INFORMATION AND FORECAST MODELS.

A TSUNAMI HAS BEEN OBSERVED AT THE FOLLOWING SITES

LOCATION		LAT	LON	TIME	AMPL
CHARLOTTE AMALIE	US VI	18.3N	64.9W	1350UTC	2.06M/6.8FT
CULEBRA ISAND	PR	18.3N	65.3W	1345UTC	1.98M/6.5FT
LAMESHUR BAY	ST JOHNS	18.3N	64.7W	1347UTC	1.82M/6.0FT
FAJARDO	PR	18.3N	65.6W	1352UTC	1.43M/4.7FT
SAN JUAN	PR	18.5N	66.1W	1356UTC	1.06M/3.5FT
CHRISTIANSTED HARBOR	U	17.8N	64.7W	1359UTC	1.20M/3.9FT
DEEP OCEAN PRESSURE SENSOR DATA INDICATE A TSUNAMI HAS BEEN GENERATED AND WILL EXTEND OUTSIDE THE SOURCE REGION.					

TIME - TIME OF MEASUREMENT

AMPL - TSUNAMI AMPLITUDES ARE MEASURED RELATIVE TO NORMAL SEA LEVEL.
IT IS ...NOT... CREST-TO-TROUGH WAVE HEIGHT.
VALUES ARE GIVEN IN BOTH METERS (M) AND FEET (FT).

PRELIMINARY EARTHQUAKE PARAMETERS

MAGNITUDE - 8.6

TIME - 0900 EDT APR 02 2009
0900 AST APR 02 2009
1300 UTC APR 02 2009

LOCATION - 19.0 NORTH 65.0 WEST
65 MILES/105 KM NE OF FAJARDO PUERTO RICO
80 MILES/129 KM NE OF SAN JUAN PUERTO RICO

DEPTH - 12 MILES/20 KM

THE PACIFIC TSUNAMI WARNING CENTER IN EWA BEACH HAWAII WILL
ISSUE MESSAGES FOR AREAS IN THE CARIBBEAN OUTSIDE PUERTO RICO
AND THE VIRGIN ISLANDS.

TSUNAMI WARNINGS MEAN THAT A TSUNAMI WITH SIGNIFICANT WIDESPREAD
INUNDATION IS IMMINENT OR EXPECTED. WARNINGS INDICATE THAT
WIDESPREAD DANGEROUS COASTAL FLOODING ACCCOMPANIED BY POWERFUL
CURRENTS IS POSSIBLE AND MAY CONTINUE FOR SEVERAL HOURS AFTER THE
INITIAL WAVE ARRIVAL.

TSUNAMI ADVISORIES MEAN THAT A TSUNAMI CAPABLE OF PRODUCING
STRONG CURRENTS OR WAVES DANGEROUS TO PERSONS IN OR VERY NEAR THE
WATER IS IMMINENT OR EXPECTED. SIGNIFICANT WIDESPREAD INUNDATION
IS NOT EXPECTED FOR AREAS UNDER AN ADVISORY. CURRENTS MAY BE
HAZARDOUS TO SWIMMERS... BOATS... AND COASTAL STRUCTURES AND MAY
CONTINUE FOR SEVERAL HOURS AFTER THE INITIAL WAVE ARRIVAL.

THIS MESSAGE WILL BE UPDATED IN 30 MINUTES OR SOONER IF
THE SITUATION WARRANTS. THE TSUNAMI MESSAGE WILL REMAIN IN EFFECT
UNTIL FURTHER NOTICE. REFER TO THE INTERNET SITE
WCATWC.ARH.NOAA.GOV FOR MORE INFORMATION.

AMZ712-715-725-735-742-745-PRZ001>003-005-007-008-010-011-

VIZ001-002-021505-

COASTAL AREAS OF PUERTO RICO AND THE VIRGIN ISLANDS.

1005 AM AST THU APR 2 2009

...A TEST TSUNAMI WARNING IS IN EFFECT FOR PUERTO RICO AND THE VIRGIN ISLANDS...

TSUNAMI WARNINGS MEAN THAT A TSUNAMI WITH SIGNIFICANT WIDESPREAD INUNDATION IS IMMINENT OR EXPECTED. TSUNAMIS ARE A SERIES OF WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED SITES IN THE WARNING ARE PROVIDED BELOW.

SAN JUAN-PR 0917 AST APR 2 MAYAGUEZ-PR 0936 AST APR 2
CHRISTIANSTED-VI 0928 AST APR 2 CHARLOT AMALI-VI 0941 AST APR 2
FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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AMZ250-252-254-256-130-135-150-152-154-156-158-

ANZ631>633-656-658-650-652-654-430-431-450>455-330-335-338-

350-353-355-230>237-250-254-255-150-050>052-081-

SCZ034-046-NCZ097-100-101-045>047-080-081-094-095-098-103-104-015>017-030>032-102-

VAZ084-086-091-094-095-098-099-100-MDZ025-DEZ002>004-NJZ005-006-011>014-021-

023>026-NYZ071>081-CTZ009>012-RIZ002-005>007-MAZ007-019>024-016-NHZ014-MEZ022>028-029-

030-021505-

COASTAL AREAS BETWEEN AND INCLUDING SOUTH SANTEE RIVER SOUTH CAROLINA TO LA MANCHE NEWFOUNDLAND

1005 AM AST THU APR 2 2009

...A TEST TSUNAMI WARNING IS IN EFFECT WHICH INCLUDES THE COASTAL AREAS OF SOUTH CAROLINA - NORTH CAROLINA - VIRGINIA - MARYLAND - DELAWARE - NEW JERSEY - NEW YORK - CONNECTICUT - RHODE ISLAND - MASSACHUSETTS - NEW HAMPSHIRE - MAINE - NEW BRUNSWICK - NOVA SCOTIA AND NEWFOUNDLAND FROM SOUTH SANTEE RIVER SOUTH CAROLINA TO LA MANCHE NEWFOUNDLAND...

TSUNAMI WARNINGS MEAN THAT A TSUNAMI WITH SIGNIFICANT WIDESPREAD INUNDATION IS IMMINENT OR EXPECTED. TSUNAMIS ARE A SERIES OF WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED SITES IN THE WARNING ARE PROVIDED BELOW.

CAPE HATTERAS-NC 1208 EDT APR 2 SCATARIE IS-NS 1522 ADT APR 2
ATLANTIC CITY-NJ 1348 EDT APR 2 PORTLAND-ME 1516 EDT APR 2
MONTAUK-NY 1338 EDT APR 2 BOSTON-MA 1535 EDT APR 2
VIRGINIA BCH-VA 1342 EDT APR 2 GRAND MANAN-NB 1543 ADT APR 2

MYRTLE BCH-SC 1406 EDT APR 2 ST LAWRENCE-NL 1553 NDT APR 2
NANTUCKET IS-MA 1414 EDT APR 2 MANHATTAN-NY 1504 EDT APR 2
LOCKEPORT-NS 1429 ADT APR 2
FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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GMZ032-075-052>054-AMZ630-650-651-550-552-555-450-452-454-
330-350-352-354-FLZ174-076>078168-172-173-047-054-059-064-141-
147-024-025-033-038-GAZ154-166-117-119-139-141-SCZ048>050-
051-021505-

COASTAL AREAS FROM FLAMINGO FLORIDA TO SOUTH SANTEE RIVER SOUTH
CAROLINA

1005 AM AST THU APR 2 2009

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR THE COASTAL AREAS OF
FLORIDA - GEORGIA - SOUTH CAROLINA FROM FLAMINGO
FLORIDA TO SOUTH SANTEE RIVER SOUTH CAROLINA...

TSUNAMI ADVISORIES MEAN THAT A TSUNAMI CAPABLE OF PRODUCING
STRONG CURRENTS OR WAVES DANGEROUS TO PERSONS IN OR VERY NEAR
WATER IS IMMINENT OF EXPECTED. SIGNIFICANT WIDESPREAD INUNDATION
IS NOT EXPECTED FOR AREAS IN AN ADVISORY. TSUNAMIS ARE A SERIES OF
WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL
TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED
SITES IN THE ADVISORY ARE PROVIDED BELOW.

MIAMI-FL 1208 EDT APR 2 SAVANNAH-GA 1418 EDT APR 2
MELBOURNE-FL 1323 EDT APR 2 CHARLESTON-SC 1416 EDT APR 2
JACKSONVILLE B-FL 1357 EDT APR 2
FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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ANZ081-021505-
COASTAL AREAS FROM LA MANCHE NEWFOUNDLAND TO CAPE CHIDLEY
LABRADOR
1005 AM AST THU APR 2 2009

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR THE COASTAL AREAS OF
NEWFOUNDLAND AND LABRADOR FROM LA MANCHE NEWFOUNDLAND TO
CAPE CHIDLEY LABRADOR...

TSUNAMI ADVISORIES MEAN THAT A TSUNAMI CAPABLE OF PRODUCING
STRONG CURRENTS OR WAVES DANGEROUS TO PERSONS IN OR VERY NEAR
WATER IS IMMINENT OF EXPECTED. SIGNIFICANT WIDESPREAD INUNDATION
IS NOT EXPECTED FOR AREAS IN AN ADVISORY. TSUNAMIS ARE A SERIES OF

WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED SITES IN THE ADVISORY ARE PROVIDED BELOW.

BONAVISTA-NL 1733 NDT APR 2 BATTLE HARBOR-NL 1756 NDT APR 2
FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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WCATWC Message #4

WEXX20 PAAQ 021435
TSUAT1

BULLETIN

TEST...TSUNAMI MESSAGE NUMBER 4...TEST
NWS WEST COAST/ALASKA TSUNAMI WARNING CENTER PALMER AK
1035 AM AST THU APR 2 2009

...A TEST TSUNAMI WARNING IS IN EFFECT WHICH INCLUDES THE
COASTAL AREAS OF SOUTH CAROLINA - NORTH CAROLINA - VIRGINIA
- MARYLAND - DELAWARE - NEW JERSEY - NEW YORK - CONNECTICUT
- RHODE ISLAND - MASSACHUSETTS - NEW HAMPSHIRE - MAINE -
NEW BRUNSWICK - NOVA SCOTIA AND NEWFOUNDLAND FROM SOUTH
SANTEE RIVER SOUTH CAROLINA TO LA MANCHE NEWFOUNDLAND...

...A TEST TSUNAMI WARNING IS IN EFFECT FOR PUERTO RICO AND THE
VIRGIN ISLANDS...

...A TEST TSUNAMI ADVISORY IS IN EFFECT WHICH INCLUDES THE
COASTAL AREAS OF FLORIDA - GEORGIA AND SOUTH CAROLINA FROM
FLAMINGO FLORIDA TO SOUTH SANTEE RIVER SOUTH CAROLINA...

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR THE COASTAL AREAS OF
NEWFOUNDLAND AND LABRADOR FROM LA MANCHE NEWFOUNDLAND TO
CAPE CHIDLEY LABRADOR...

...THIS MESSAGE IS INFORMATION ONLY FOR U.S. AND CANADIAN
ATLANTIC AND GULF OF MEXICO COASTAL REGIONS NOT INCLUDED IN
THE AREAS LISTED ABOVE...

RECOMMENDED ACTIONS

A TSUNAMI HAS BEEN GENERATED WHICH COULD CAUSE DAMAGE TO THE
WARNING AND/OR ADVISORY REGIONS LISTED IN THE HEADLINE. PERSONS
IN LOW-LYING COASTAL AREAS SHOULD BE ALERT TO INSTRUCTIONS FROM
THEIR LOCAL EMERGENCY OFFICIALS. EVACUATIONS ARE ONLY ORDERED BY
EMERGENCY RESPONSE AGENCIES.

- PERSONS IN TSUNAMI WARNING COASTAL AREAS SHOULD MOVE INLAND TO
HIGHER GROUND.
- PERSONS IN TSUNAMI ADVISORY AREAS SHOULD MOVE OUT OF THE
WATER... OFF THE BEACH AND OUT OF HARBORS AND MARINAS.

THIS MESSAGE IS BASED ON EARTHQUAKE DATA... OBSERVED TSUNAMI
AMPLITUDES... HISTORICAL INFORMATION AND FORECAST MODELS.

A TSUNAMI HAS BEEN OBSERVED AT THE FOLLOWING SITES

LOCATION		LAT	LON	TIME	AMPL
CHARLOTTE AMALIE	US VI	18.3N	64.9W	1430UTC	2.34M/7.7FT
CULEBRA ISAND	PR	18.3N	65.3W	1420UTC	2.35M/7.7FT
LAMESHUR BAY	ST JOHNS	18.3N	64.7W	1425UTC	2.26M/7.4FT
FAJARDO	PR	18.3N	65.6W	1415UTC	2.37M/7.8FT
SAN JUAN	PR	18.5N	66.1W	1410UTC	2.00M/6.6FT
CHRISTIANSTED HARBOR	U	17.8N	64.7W	1400UTC	2.10M/6.9FT
ARECIBO	PR	18.5N	66.7W	1422UTC	2.75M/9.0FT
MAYAGUEZ	PR	18.2N	67.2W	1423UTC	1.61M/5.3FT
YABUCOA	PR	18.1N	65.8W	1420UTC	1.11M/3.6FT
REPORTS INDICATE SEVERE TSUNAMI DAMAGE TO WATER FRONT REGIONS ON THE NORTH COAST OF PUERTO RICO AND TO THE BRITISH AND US VIRGIN IS. DEEP OCEAN PRESSURE SENSOR DATA INDICATE A TSUNAMI HAS BEEN GENERATED AND WILL EXTEND OUTSIDE THE SOURCE REGION.					
TSUNAMI AMPLITUDES ARE EXPECTED TO REACH 1 METER IN SOME REGIONS UNDER ADVISORY. TSUNAMIS OF THIS AMPLITUDE ARE ACCCOMPANIED BY STRONG CURRENTS CAPABLE OF INFILCTING DAMAGE TO COASTAL STRUCTURES. TSUNAMI AMPLITUDES ARE EXPECTED TO REACH 1 TO 3 METERS AT SOME REGIONS IN THE US/CANADIAN TSUNAMI WARNING.					
TSUNAMI AMPLITUDES ARE EXPECTED BELOW 25CM IN THE GULF OF MEXICO AND NOT EXPECTED TO PRODUCE ANY DAMAGE.					

TIME - TIME OF MEASUREMENT

AMPL - TSUNAMI AMPLITUDES ARE MEASURED RELATIVE TO NORMAL SEA LEVEL.
IT IS ...NOT... CREST-TO-TROUGH WAVE HEIGHT.
VALUES ARE GIVEN IN BOTH METERS (M) AND FEET (FT) .

PRELIMINARY EARTHQUAKE PARAMETERS

MAGNITUDE - 8.6

TIME - 0900 EDT APR 02 2009
0900 AST APR 02 2009
1300 UTC APR 02 2009

LOCATION - 19.0 NORTH 65.0 WEST
65 MILES/105 KM NE OF FAJARDO PUERTO RICO
80 MILES/129 KM NE OF SAN JUAN PUERTO RICO

DEPTH - 12 MILES/20 KM

THE PACIFIC TSUNAMI WARNING CENTER IN EWA BEACH HAWAII WILL
ISSUE MESSAGES FOR AREAS IN THE CARIBBEAN OUTSIDE PUERTO RICO
AND THE VIRGIN ISLANDS.

TSUNAMI WARNINGS MEAN THAT A TSUNAMI WITH SIGNIFICANT WIDESPREAD
INUNDATION IS IMMINENT OR EXPECTED. WARNINGS INDICATE THAT
WIDESPREAD DANGEROUS COASTAL FLOODING ACCOMPANIED BY POWERFUL
CURRENTS IS POSSIBLE AND MAY CONTINUE FOR SEVERAL HOURS AFTER THE
INITIAL WAVE ARRIVAL.

TSUNAMI ADVISORIES MEAN THAT A TSUNAMI CAPABLE OF PRODUCING

STRONG CURRENTS OR WAVES DANGEROUS TO PERSONS IN OR VERY NEAR THE WATER IS IMMINENT OR EXPECTED. SIGNIFICANT WIDESPREAD INUNDATION IS NOT EXPECTED FOR AREAS UNDER AN ADVISORY. CURRENTS MAY BE HAZARDOUS TO SWIMMERS... BOATS... AND COASTAL STRUCTURES AND MAY CONTINUE FOR SEVERAL HOURS AFTER THE INITIAL WAVE ARRIVAL.

THIS MESSAGE WILL BE UPDATED IN 60 MINUTES OR SOONER IF THE SITUATION WARRANTS. THE TSUNAMI MESSAGE WILL REMAIN IN EFFECT UNTIL FURTHER NOTICE. REFER TO THE INTERNET SITE WCATWC.ARH.NOAA.GOV FOR MORE INFORMATION.

AMZ712-715-725-735-742-745-PRZ001>003-005-007-008-010-011-

VIZ001-002-021535-

COASTAL AREAS OF PUERTO RICO AND THE VIRGIN ISLANDS.

1035 AM AST THU APR 2 2009

...A TEST TSUNAMI WARNING IS IN EFFECT FOR PUERTO RICO AND THE VIRGIN ISLANDS...

TSUNAMI WARNINGS MEAN THAT A TSUNAMI WITH SIGNIFICANT WIDESPREAD INUNDATION IS IMMINENT OR EXPECTED. TSUNAMIS ARE A SERIES OF WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED SITES IN THE WARNING ARE PROVIDED BELOW.

SAN JUAN-PR 0917 AST APR 2 MAYAGUEZ-PR 0936 AST APR 2
CHRISTIANSTED-VI 0928 AST APR 2 CHARLOT AMALI-VI 0941 AST APR 2
FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

\$\$

AMZ250-252-254-256-130-135-150-152-154-156-158-
ANZ631>633-656-658-650-652-654-430-431-450>455-330-335-338-

350-353-355-230>237-250-254-255-150-050>052-081-

SCZ034-046-NCZ097-100-101-045>047-080-081-094-095-098-103-104-015>017-030>032-102-
VAZ084-086-091-094-095-098-099-100-MDZ025-DEZ002>004-NJZ005-006-011>014-021-
023>026-NYZ071>081-CTZ009>012-RIZ002-005>007-MAZ007-019>024-016-NHZ014-MEZ022>028-
029-

030-021535-

COASTAL AREAS BETWEEN AND INCLUDING SOUTH SANTEE RIVER SOUTH CAROLINA TO LA MANCHE NEWFOUNDLAND

1035 AM AST THU APR 2 2009

...A TEST TSUNAMI WARNING IS IN EFFECT WHICH INCLUDES THE COASTAL AREAS OF SOUTH CAROLINA - NORTH CAROLINA - VIRGINIA - MARYLAND - DELAWARE - NEW JERSEY - NEW YORK - CONNECTICUT - RHODE ISLAND - MASSACHUSETTS - NEW HAMPSHIRE - MAINE - NEW BRUNSWICK - NOVA SCOTIA AND NEWFOUNDLAND FROM SOUTH

SANTEE RIVER SOUTH CAROLINA TO LA MANCHE NEWFOUNDLAND...

TSUNAMI WARNINGS MEAN THAT A TSUNAMI WITH SIGNIFICANT WIDESPREAD INUNDATION IS IMMINENT OR EXPECTED. TSUNAMIS ARE A SERIES OF WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED SITES IN THE WARNING ARE PROVIDED BELOW.

CAPE HATTERAS-NC	1208	EDT APR 2	SCATARIE IS-NS	1522	ADT APR 2
ATLANTIC CITY-NJ	1348	EDT APR 2	PORTLAND-ME	1516	EDT APR 2
MONTAUK-NY	1338	EDT APR 2	BOSTON-MA	1535	EDT APR 2
VIRGINIA BCH-VA	1342	EDT APR 2	GRAND MANAN-NB	1543	ADT APR 2
MYRTLE BCH-SC	1406	EDT APR 2	ST LAWRENCE-NL	1553	NDT APR 2
NANTUCKET IS-MA	1414	EDT APR 2	MANHATTAN-NY	1504	EDT APR 2
LOCKEPORT-NS	1429	ADT APR 2			

FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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GMZ032-075-052>054-AMZ630-650-651-550-552-555-450-452-454-
330-350-352-354-FLZ174-076>078168-172-173-047-054-059-064-141-
147-024-025-033-038-GAZ154-166-117-119-139-141-SCZ048>050-
051-021535-

COASTAL AREAS FROM FLAMINGO FLORIDA TO SOUTH SANTEE RIVER SOUTH CAROLINA

1035 AM AST THU APR 2 2009

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR THE COASTAL AREAS OF FLORIDA - GEORGIA - SOUTH CAROLINA FROM FLAMINGO FLORIDA TO SOUTH SANTEE RIVER SOUTH CAROLINA...

TSUNAMI ADVISORIES MEAN THAT A TSUNAMI CAPABLE OF PRODUCING STRONG CURRENTS OR WAVES DANGEROUS TO PERSONS IN OR VERY NEAR WATER IS IMMINENT OR EXPECTED. SIGNIFICANT WIDESPREAD INUNDATION IS NOT EXPECTED FOR AREAS IN AN ADVISORY. TSUNAMIS ARE A SERIES OF WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED SITES IN THE ADVISORY ARE PROVIDED BELOW.

MIAMI-FL	1208	EDT APR 2	SAVANNAH-GA	1418	EDT APR 2
MELBOURNE-FL	1323	EDT APR 2	CHARLESTON-SC	1416	EDT APR 2
JACKSONVILLE B-FL	1357	EDT APR 2			

FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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ANZ081-021535-

COASTAL AREAS FROM LA MANCHE NEWFOUNDLAND TO CAPE CHIDLEY
LABRADOR
1035 AM AST THU APR 2 2009

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR THE COASTAL AREAS OF
NEWFOUNDLAND AND LABRADOR FROM LA MANCHE NEWFOUNDLAND TO
CAPE CHIDLEY LABRADOR...

TSUNAMI ADVISORIES MEAN THAT A TSUNAMI CAPABLE OF PRODUCING
STRONG CURRENTS OR WAVES DANGEROUS TO PERSONS IN OR VERY NEAR
WATER IS IMMINENT OR EXPECTED. SIGNIFICANT WIDESPREAD INUNDATION
IS NOT EXPECTED FOR AREAS IN AN ADVISORY. TSUNAMIS ARE A SERIES OF
WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL
TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED
SITES IN THE ADVISORY ARE PROVIDED BELOW.

BONAVISTA-NL 1733 NDT APR 2 BATTLE HARBOR-NL 1756 NDT APR 2
FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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WCATWC Message #5

WEXX20 PAAQ 021535
TSUAT1

BULLETIN

TEST...TSUNAMI MESSAGE NUMBER 5...TEST
NWS WEST COAST/ALASKA TSUNAMI WARNING CENTER PALMER AK
1135 AM AST THU APR 2 2009

...A TEST TSUNAMI WARNING IS IN EFFECT WHICH INCLUDES THE
COASTAL AREAS OF SOUTH CAROLINA - NORTH CAROLINA - VIRGINIA
- MARYLAND - DELAWARE - NEW JERSEY - NEW YORK - CONNECTICUT
- RHODE ISLAND - MASSACHUSETTS - NEW HAMPSHIRE - MAINE -
NEW BRUNSWICK - NOVA SCOTIA AND NEWFOUNDLAND FROM SOUTH
SANTEE RIVER SOUTH CAROLINA TO LA MANCHE NEWFOUNDLAND...

...A TEST TSUNAMI WARNING IS IN EFFECT FOR PUERTO RICO AND THE
VIRGIN ISLANDS...

...A TEST TSUNAMI ADVISORY IS IN EFFECT WHICH INCLUDES THE
COASTAL AREAS OF FLORIDA - GEORGIA AND SOUTH CAROLINA FROM
FLAMINGO FLORIDA TO SOUTH SANTEE RIVER SOUTH CAROLINA...

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR THE COASTAL AREAS OF
NEWFOUNDLAND AND LABRADOR FROM LA MANCHE NEWFOUNDLAND TO
CAPE CHIDLEY LABRADOR...

...THIS MESSAGE IS INFORMATION ONLY FOR U.S. AND CANADIAN
ATLANTIC AND GULF OF MEXICO COASTAL REGIONS NOT INCLUDED IN
THE AREAS LISTED ABOVE...

RECOMMENDED ACTIONS

A TSUNAMI HAS BEEN GENERATED WHICH COULD CAUSE DAMAGE TO THE
WARNING AND/OR ADVISORY REGIONS LISTED IN THE HEADLINE. PERSONS
IN LOW-LYING COASTAL AREAS SHOULD BE ALERT TO INSTRUCTIONS FROM
THEIR LOCAL EMERGENCY OFFICIALS. EVACUATIONS ARE ONLY ORDERED BY
EMERGENCY RESPONSE AGENCIES.

- PERSONS IN TSUNAMI WARNING COASTAL AREAS SHOULD MOVE INLAND TO
HIGHER GROUND.
- PERSONS IN TSUNAMI ADVISORY AREAS SHOULD MOVE OUT OF THE
WATER... OFF THE BEACH AND OUT OF HARBORS AND MARINAS.

THIS MESSAGE IS BASED ON EARTHQUAKE DATA... OBSERVED TSUNAMI
AMPLITUDES... HISTORICAL INFORMATION AND FORECAST MODELS.

A TSUNAMI HAS BEEN OBSERVED AT THE FOLLOWING SITES

LOCATION		LAT	LON	TIME	AMPL
CHARLOTTE AMALIE	US VI	18.3N	64.9W	1430UTC	2.34M/7.7FT
CULEBRA ISAND	PR	18.3N	65.3W	1420UTC	2.35M/7.7FT
LAMESHUR BAY	ST JOHNS	18.3N	64.7W	1425UTC	2.26M/7.4FT
FAJARDO	PR	18.3N	65.6W	1415UTC	2.37M/7.8FT
SAN JUAN	PR	18.5N	66.1W	1410UTC	2.00M/6.6FT
CHRISTIANSTED HARBOR	U	17.8N	64.7W	1400UTC	2.10M/6.9FT
ARECIBO	PR	18.5N	66.7W	1422UTC	2.75M/9.0FT
MAYAGUEZ	PR	18.2N	67.2W	1423UTC	1.61M/5.3FT
YABUCOA	PR	18.1N	65.8W	1420UTC	1.11M/3.6FT
BERMUDA	UK	32.4N	64.7W	1520UTC	1.32M/4.3FT

THE TSUNAMI AMPLITUDES LISTED HERE ARE NOT THE HIGHEST IN PUERTO RICO. REPORTS INDICATE LARGER WAVES PRODUCING INUNDATION OF 1KM IN SOME LOCATIONS. THE TSUNAMI IS STILL INFILCTING DAMAGE IN PUERTO RICO AND THE VIRGIN ISLANDS AND IS EXPECTED TO CONTINUE FOR SEVERAL MORE HOURS.

TSUNAMI AMPLITUDES ARE EXPECTED TO REACH 1 METER IN SOME REGIONS UNDER ADVISORY. TSUNAMIS OF THIS AMPLITUDE ARE ACCCOMPANIED BY STRONG CURRENTS CAPABLE OF INFILCTING DAMAGE TO COASTAL STRUCTURES. TSUNAMI AMPLITUDES ARE EXPECTED TO REACH 1 TO 3 METERS AT SOME REGIONS IN THE US/CANADIAN TSUNAMI WARNING.

TSUNAMI AMPLITUDES ARE EXPECTED BELOW 25CM IN THE GULF OF MEXICO AND NOT EXPECTED TO PRODUCE ANY DAMAGE.

TIME - TIME OF MEASUREMENT

AMPL - TSUNAMI AMPLITUDES ARE MEASURED RELATIVE TO NORMAL SEA LEVEL.

IT IS ...NOT... CREST-TO-TROUGH WAVE HEIGHT.

VALUES ARE GIVEN IN BOTH METERS (M) AND FEET (FT).

PRELIMINARY EARTHQUAKE PARAMETERS

MAGNITUDE - 8.6

TIME - 0900 EDT APR 02 2009
0900 AST APR 02 2009
1300 UTC APR 02 2009

LOCATION - 19.0 NORTH 65.0 WEST
65 MILES/105 KM NE OF FAJARDO PUERTO RICO
80 MILES/129 KM NE OF SAN JUAN PUERTO RICO

DEPTH - 12 MILES/20 KM

THE PACIFIC TSUNAMI WARNING CENTER IN EWA BEACH HAWAII WILL ISSUE MESSAGES FOR AREAS IN THE CARIBBEAN OUTSIDE PUERTO RICO AND THE VIRGIN ISLANDS.

TSUNAMI WARNINGS MEAN THAT A TSUNAMI WITH SIGNIFICANT WIDESPREAD INUNDATION IS IMMINENT OR EXPECTED. WARNINGS INDICATE THAT WIDESPREAD DANGEROUS COASTAL FLOODING ACCOMPANIED BY POWERFUL CURRENTS IS POSSIBLE AND MAY CONTINUE FOR SEVERAL HOURS AFTER THE INITIAL WAVE ARRIVAL.

TSUNAMI ADVISORIES MEAN THAT A TSUNAMI CAPABLE OF PRODUCING STRONG CURRENTS OR WAVES DANGEROUS TO PERSONS IN OR VERY NEAR THE WATER IS IMMINENT OR EXPECTED. SIGNIFICANT WIDESPREAD INUNDATION IS NOT EXPECTED FOR AREAS UNDER AN ADVISORY. CURRENTS MAY BE HAZARDOUS TO SWIMMERS... BOATS... AND COASTAL STRUCTURES AND MAY CONTINUE FOR SEVERAL HOURS AFTER THE INITIAL WAVE ARRIVAL.

THIS MESSAGE WILL BE UPDATED IN 60 MINUTES OR SOONER IF THE SITUATION WARRANTS. THE TSUNAMI MESSAGE WILL REMAIN IN EFFECT UNTIL FURTHER NOTICE. REFER TO THE INTERNET SITE WCATWC.ARH.NOAA.GOV FOR MORE INFORMATION.

AMZ712-715-725-735-742-745-PRZ001>003-005-007-008-010-011-
VIZ001-002-021635-
COASTAL AREAS OF PUERTO RICO AND THE VIRGIN ISLANDS.
1135 AM AST THU APR 2 2009

...A TEST TSUNAMI WARNING IS IN EFFECT FOR PUERTO RICO AND THE VIRGIN ISLANDS...

TSUNAMI WARNINGS MEAN THAT A TSUNAMI WITH SIGNIFICANT WIDESPREAD INUNDATION IS IMMINENT OR EXPECTED. TSUNAMIS ARE A SERIES OF WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED SITES IN THE WARNING ARE PROVIDED BELOW.

FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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AMZ250-252-254-256-130-135-150-152-154-156-158-
ANZ631>633-656-658-650-652-654-430-431-450>455-330-335-338-
350-353-355-230>237-250-254-255-150-050>052-081-
SCZ034-046-NCZ097-100-101-045>047-080-081-094-095-098-103-104-015>017-030>032-102-
VAZ084-086-091-094-095-098-099-100-MDZ025-DEZ002>004-NJZ005-006-011>014-021-
023>026-NYZ071>081-CTZ009>012-RIZ002-005>007-MAZ007-019>024-016-NHZ014-MEZ022>028-
029-
030-021635-
COASTAL AREAS BETWEEN AND INCLUDING SOUTH SANTEE RIVER SOUTH
CAROLINA TO LA MANCHE NEWFOUNDLAND
1135 AM AST THU APR 2 2009

...A TEST TSUNAMI WARNING IS IN EFFECT WHICH INCLUDES THE COASTAL AREAS OF SOUTH CAROLINA - NORTH CAROLINA - VIRGINIA - MARYLAND - DELAWARE - NEW JERSEY - NEW YORK - CONNECTICUT - RHODE ISLAND - MASSACHUSETTS - NEW HAMPSHIRE - MAINE -

NEW BRUNSWICK - NOVA SCOTIA AND NEWFOUNDLAND FROM SOUTH SANTEE RIVER SOUTH CAROLINA TO LA MANCHE NEWFOUNDLAND...

TSUNAMI WARNINGS MEAN THAT A TSUNAMI WITH SIGNIFICANT WIDESPREAD INUNDATION IS IMMINENT OR EXPECTED. TSUNAMIS ARE A SERIES OF WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED SITES IN THE WARNING ARE PROVIDED BELOW.

CAPE HATTERAS-NC	1208	EDT APR 2	SCATARIE IS-NS	1522	ADT APR 2
ATLANTIC CITY-NJ	1348	EDT APR 2	PORTLAND-ME	1516	EDT APR 2
MONTAUK-NY	1338	EDT APR 2	BOSTON-MA	1535	EDT APR 2
VIRGINIA BCH-VA	1342	EDT APR 2	GRAND MANAN-NB	1543	ADT APR 2
MYRTLE BCH-SC	1406	EDT APR 2	ST LAWRENCE-NL	1553	NDT APR 2
NANTUCKET IS-MA	1414	EDT APR 2	MANHATTAN-NY	1504	EDT APR 2
LOCKEPORT-NS	1429	ADT APR 2			

FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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GMZ032-075-052>054-AMZ630-650-651-550-552-555-450-452-454-
330-350-352-354-FLZ174-076>078168-172-173-047-054-059-064-141-
147-024-025-033-038-GAZ154-166-117-119-139-141-SCZ048>050-
051-021635-

COASTAL AREAS FROM FLAMINGO FLORIDA TO SOUTH SANTEE RIVER SOUTH CAROLINA

1135 AM AST THU APR 2 2009

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR THE COASTAL AREAS OF FLORIDA - GEORGIA - SOUTH CAROLINA FROM FLAMINGO FLORIDA TO SOUTH SANTEE RIVER SOUTH CAROLINA...

TSUNAMI ADVISORIES MEAN THAT A TSUNAMI CAPABLE OF PRODUCING STRONG CURRENTS OR WAVES DANGEROUS TO PERSONS IN OR VERY NEAR WATER IS IMMINENT OR EXPECTED. SIGNIFICANT WIDESPREAD INUNDATION IS NOT EXPECTED FOR AREAS IN AN ADVISORY. TSUNAMIS ARE A SERIES OF WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED SITES IN THE ADVISORY ARE PROVIDED BELOW.

MIAMI-FL	1208	EDT APR 2	SAVANNAH-GA	1418	EDT APR 2
MELBOURNE-FL	1323	EDT APR 2	CHARLESTON-SC	1416	EDT APR 2
JACKSONVILLE B-FL	1357	EDT APR 2			

FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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ANZ081-021635-

COASTAL AREAS FROM LA MANCHE NEWFOUNDLAND TO CAPE CHIDLEY

LABRADOR

1135 AM AST THU APR 2 2009

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR THE COASTAL AREAS OF
NEWFOUNDLAND AND LABRADOR FROM LA MANCHE NEWFOUNDLAND TO
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TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED
SITES IN THE ADVISORY ARE PROVIDED BELOW.

BONAVISTA-NL 1733 NDT APR 2 BATTLE HARBOR-NL 1756 NDT APR 2
FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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WCATWC Message #6

WEXX20 PAAQ 021635
TSUAT1

BULLETIN

TEST...TSUNAMI MESSAGE NUMBER 6...TEST
NWS WEST COAST/ALASKA TSUNAMI WARNING CENTER PALMER AK
1235 PM AST THU APR 2 2009

...A TEST TSUNAMI WARNING IS IN EFFECT WHICH INCLUDES THE
COASTAL AREAS OF SOUTH CAROLINA - NORTH CAROLINA - VIRGINIA
- MARYLAND - DELAWARE - NEW JERSEY - NEW YORK - CONNECTICUT
- RHODE ISLAND - MASSACHUSETTS - NEW HAMPSHIRE - MAINE -
NEW BRUNSWICK - NOVA SCOTIA AND NEWFOUNDLAND FROM SOUTH
SANTEE RIVER SOUTH CAROLINA TO LA MANCHE NEWFOUNDLAND...

...A TEST TSUNAMI WARNING IS IN EFFECT FOR PUERTO RICO AND THE
VIRGIN ISLANDS...

...A TEST TSUNAMI ADVISORY IS IN EFFECT WHICH INCLUDES THE
COASTAL AREAS OF FLORIDA - GEORGIA AND SOUTH CAROLINA FROM
FLAMINGO FLORIDA TO SOUTH SANTEE RIVER SOUTH CAROLINA...

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR THE COASTAL AREAS OF
NEWFOUNDLAND AND LABRADOR FROM LA MANCHE NEWFOUNDLAND TO
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...THIS MESSAGE IS INFORMATION ONLY FOR U.S. AND CANADIAN
ATLANTIC AND GULF OF MEXICO COASTAL REGIONS NOT INCLUDED IN
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THIS MESSAGE IS BASED ON EARTHQUAKE DATA... OBSERVED TSUNAMI
AMPLITUDES... HISTORICAL INFORMATION AND FORECAST MODELS.

A TSUNAMI HAS BEEN OBSERVED AT THE FOLLOWING SITES

LOCATION	LAT	LON	TIME	AMPL
BERMUDA UK	32.4N	64.7W	1610UTC	1.85M/6.1FT

THE TSUNAMI CONTINUES TO PRODUCE DAMAGING WAVES IN PUERTO RICO AND THE VIRGIN ISLANDS. DO NOT RETURN TO THE COAST UNTIL LOCAL OFFICIALS DECLARE IT SAFE TO DO SO. THE TSUNAMI IS EXPECTED TO BE DANGEROUS IN PUERTO RICO AND THE VIRGIN ISLANDS FOR SEVERAL MORE HOURS. REPORTS INDICATE THAT THE TSUNAMI HAS ALSO PRODUCED DAMAGE IN BERMUDA. TSUNAMI AMPLITUDES ARE EXPECTED TO REACH 1 METER IN SOME REGIONS UNDER ADVISORY AND CAN INFILCT DAMAGE TO COASTAL STRUCTURES DUE TO STRONG CURRENTS. AMPLITUDES ARE EXPECTED TO BE IN THE RANGE OF 1 TO 3 METERS IN SOME REGIONS IN THE US/CANADIAN WARNING.

TSUNAMI AMPLITUDES ARE EXPECTED BELOW 25CM IN THE GULF OF MEXICO AND NOT EXPECTED TO PRODUCE ANY DAMAGE.

TIME - TIME OF MEASUREMENT

AMPL - TSUNAMI AMPLITUDES ARE MEASURED RELATIVE TO NORMAL SEA LEVEL.

IT IS ...NOT... CREST-TO-TROUGH WAVE HEIGHT.

VALUES ARE GIVEN IN BOTH METERS (M) AND FEET (FT).

PRELIMINARY EARTHQUAKE PARAMETERS

MAGNITUDE - 8.6

TIME - 0900 EDT APR 02 2009
0900 AST APR 02 2009
1300 UTC APR 02 2009

LOCATION - 19.0 NORTH 65.0 WEST
65 MILES/105 KM NE OF FAJARDO PUERTO RICO
80 MILES/129 KM NE OF SAN JUAN PUERTO RICO

DEPTH - 12 MILES/20 KM

THE PACIFIC TSUNAMI WARNING CENTER IN EWA BEACH HAWAII WILL ISSUE MESSAGES FOR AREAS IN THE CARIBBEAN OUTSIDE PUERTO RICO AND THE VIRGIN ISLANDS.

TSUNAMI WARNINGS MEAN THAT A TSUNAMI WITH SIGNIFICANT WIDESPREAD INUNDATION IS IMMINENT OR EXPECTED. WARNINGS INDICATE THAT WIDESPREAD DANGEROUS COASTAL FLOODING ACCCOMPANIED BY POWERFUL CURRENTS IS POSSIBLE AND MAY CONTINUE FOR SEVERAL HOURS AFTER THE INITIAL WAVE ARRIVAL.

TSUNAMI ADVISORIES MEAN THAT A TSUNAMI CAPABLE OF PRODUCING STRONG CURRENTS OR WAVES DANGEROUS TO PERSONS IN OR VERY NEAR THE WATER IS IMMINENT OR EXPECTED. SIGNIFICANT WIDESPREAD INUNDATION IS NOT EXPECTED FOR AREAS UNDER AN ADVISORY. CURRENTS MAY BE HAZARDOUS TO SWIMMERS... BOATS... AND COASTAL STRUCTURES AND MAY CONTINUE FOR SEVERAL HOURS AFTER THE INITIAL WAVE ARRIVAL.

THIS MESSAGE WILL BE UPDATED IN 60 MINUTES OR SOONER IF

THE SITUATION WARRANTS. THE TSUNAMI MESSAGE WILL REMAIN IN EFFECT UNTIL FURTHER NOTICE. REFER TO THE INTERNET SITE WCATWC.ARH.NOAA.GOV FOR MORE INFORMATION.

AMZ712-715-725-735-742-745-PRZ001>003-005-007-008-010-011-
VIZ001-002-021735-

COASTAL AREAS OF PUERTO RICO AND THE VIRGIN ISLANDS.

1235 PM AST THU APR 2 2009

...A TEST TSUNAMI WARNING IS IN EFFECT FOR PUERTO RICO AND THE VIRGIN ISLANDS...

TSUNAMI WARNINGS MEAN THAT A TSUNAMI WITH SIGNIFICANT WIDESPREAD INUNDATION IS IMMINENT OR EXPECTED. TSUNAMIS ARE A SERIES OF WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED SITES IN THE WARNING ARE PROVIDED BELOW.

FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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AMZ250-252-254-256-130-135-150-152-154-156-158-
ANZ631>633-656-658-650-652-654-430-431-450>455-330-335-338-
350-353-355-230>237-250-254-255-150-050>052-081-
SCZ034-046-NCZ097-100-101-045>047-080-081-094-095-098-103-104-015>017-030>032-102-
VAZ084-086-091-094-095-098-099-100-MDZ025-DEZ002>004-NJZ005-006-011>014-021-
023>026-NYZ071>081-CTZ009>012-RIZ002-005>007-MAZ007-019>024-016-NHZ014-MEZ022>028-
029-
030-021735-

COASTAL AREAS BETWEEN AND INCLUDING SOUTH SANTEE RIVER SOUTH CAROLINA TO LA MANCHE NEWFOUNDLAND
1235 AM AST THU APR 2 2009

...A TEST TSUNAMI WARNING IS IN EFFECT WHICH INCLUDES THE COASTAL AREAS OF SOUTH CAROLINA - NORTH CAROLINA - VIRGINIA - MARYLAND - DELAWARE - NEW JERSEY - NEW YORK - CONNECTICUT - RHODE ISLAND - MASSACHUSETTS - NEW HAMPSHIRE - MAINE - NEW BRUNSWICK - NOVA SCOTIA AND NEWFOUNDLAND FROM SOUTH SANTEE RIVER SOUTH CAROLINA TO LA MANCHE NEWFOUNDLAND...

TSUNAMI WARNINGS MEAN THAT A TSUNAMI WITH SIGNIFICANT WIDESPREAD INUNDATION IS IMMINENT OR EXPECTED. TSUNAMIS ARE A SERIES OF WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED SITES IN THE WARNING ARE PROVIDED BELOW.

CAPE HATTERAS-NC 1208 EDT APR 2 SCATARIE IS-NS 1522 ADT APR 2

ATLANTIC CITY-NJ	1348	EDT APR 2	PORTLAND-ME	1516	EDT APR 2
MONTAUK-NY	1338	EDT APR 2	BOSTON-MA	1535	EDT APR 2
VIRGINIA BCH-VA	1342	EDT APR 2	GRAND MANAN-NB	1543	ADT APR 2
MYRTLE BCH-SC	1406	EDT APR 2	ST LAWRENCE-NL	1553	NDT APR 2
NANTUCKET IS-MA	1414	EDT APR 2	MANHATTAN-NY	1504	EDT APR 2
LOCKEPORT-NS	1429	ADT APR 2			

FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
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GMZ032-075-052>054-AMZ630-650-651-550-552-555-450-452-454-
330-350-352-354-FLZ174-076>078168-172-173-047-054-059-064-141-
147-024-025-033-038-GAZ154-166-117-119-139-141-SCZ048>050-
051-021735-

COASTAL AREAS FROM FLAMINGO FLORIDA TO SOUTH SANTEE RIVER SOUTH
CAROLINA

1235 AM AST THU APR 2 2009

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR THE COASTAL AREAS OF
FLORIDA - GEORGIA - SOUTH CAROLINA FROM FLAMINGO
FLORIDA TO SOUTH SANTEE RIVER SOUTH CAROLINA...

TSUNAMI ADVISORIES MEAN THAT A TSUNAMI CAPABLE OF PRODUCING
STRONG CURRENTS OR WAVES DANGEROUS TO PERSONS IN OR VERY NEAR
WATER IS IMMINENT OF EXPECTED. SIGNIFICANT WIDESPREAD INUNDATION
IS NOT EXPECTED FOR AREAS IN AN ADVISORY. TSUNAMIS ARE A SERIES OF
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JACKSONVILLE B-FL	1357	EDT APR 2			

FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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ANZ081-021735-
COASTAL AREAS FROM LA MANCHE NEWFOUNDLAND TO CAPE CHIDLEY
LABRADOR
1235 PM AST THU APR 2 2009

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR THE COASTAL AREAS OF
NEWFOUNDLAND AND LABRADOR FROM LA MANCHE NEWFOUNDLAND TO
CAPE CHIDLEY LABRADOR...

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BONAVISTA-NL 1733 NDT APR 2 BATTLE HARBOR-NL 1756 NDT APR 2
FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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WCATWC Message #7

WEXX20 PAAQ 021735
TSUAT1

BULLETIN

TEST...TSUNAMI MESSAGE NUMBER 7...TEST
NWS WEST COAST/ALASKA TSUNAMI WARNING CENTER PALMER AK
135 PM AST THU APR 2 2009

...A TEST TSUNAMI WARNING IS IN EFFECT WHICH INCLUDES THE
COASTAL AREAS OF SOUTH CAROLINA - NORTH CAROLINA - VIRGINIA
- MARYLAND - DELAWARE - NEW JERSEY - NEW YORK - CONNECTICUT
- RHODE ISLAND - MASSACHUSETTS - NEW HAMPSHIRE - MAINE -
NEW BRUNSWICK - NOVA SCOTIA AND NEWFOUNDLAND FROM SOUTH
SANTEE RIVER SOUTH CAROLINA TO LA MANCHE NEWFOUNDLAND...

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR PUERTO RICO AND THE
VIRGIN ISLANDS...

...A TEST TSUNAMI ADVISORY IS IN EFFECT WHICH INCLUDES THE
COASTAL AREAS OF FLORIDA - GEORGIA AND SOUTH CAROLINA FROM
FLAMINGO FLORIDA TO SOUTH SANTEE RIVER SOUTH CAROLINA...

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR THE COASTAL AREAS OF
NEWFOUNDLAND AND LABRADOR FROM LA MANCHE NEWFOUNDLAND TO
CAPE CHIDLEY LABRADOR...

...THIS MESSAGE IS INFORMATION ONLY FOR U.S. AND CANADIAN
ATLANTIC AND GULF OF MEXICO COASTAL REGIONS NOT INCLUDED IN
THE AREAS LISTED ABOVE...

RECOMMENDED ACTIONS

A TSUNAMI HAS BEEN GENERATED WHICH COULD CAUSE DAMAGE TO THE
WARNING AND/OR ADVISORY REGIONS LISTED IN THE HEADLINE. PERSONS
IN LOW-LYING COASTAL AREAS SHOULD BE ALERT TO INSTRUCTIONS FROM
THEIR LOCAL EMERGENCY OFFICIALS. EVACUATIONS ARE ONLY ORDERED BY
EMERGENCY RESPONSE AGENCIES.

- PERSONS IN TSUNAMI WARNING COASTAL AREAS SHOULD MOVE INLAND TO
HIGHER GROUND.
- PERSONS IN TSUNAMI ADVISORY AREAS SHOULD MOVE OUT OF THE
WATER... OFF THE BEACH AND OUT OF HARBORS AND MARINAS.

THIS MESSAGE IS BASED ON EARTHQUAKE DATA... OBSERVED TSUNAMI
AMPLITUDES... HISTORICAL INFORMATION AND FORECAST MODELS.

A TSUNAMI HAS BEEN OBSERVED AT THE FOLLOWING SITES

LOCATION	LAT	LON	TIME	AMPL
BERMUDA UK	32.4N	64.7W	1610UTC	1.85M/6.1FT
VACA KEY FL	24.7N	81.1W	1720UTC	0.05M/0.2FT
BEAUFORT NC	34.7N	76.7W	1715UTC	0.37M/1.2FT
OREGON INLET NC	35.8N	75.5W	1722UTC	0.14M/0.4FT
TRIDENT PIER FL	28.4N	80.6W	1727UTC	0.17M/0.6FT

THE TSUNAMI WARNING HAS BEEN DOWNGRADED TO AN ADVISORY FOR PUERTO RICO AND THE VIRGIN ISLANDS. LARGE INUNDATING WAVES ARE NO LONGER EXPECTED BUT STRONG CURRENTS ARE EXPECTED FOR THE NEXT SEVERAL HOURS. DO NOT RETURN TO THE COAST AND INUNDATED AREAS UNTIL INSTRUCTED FROM LOCAL OFFICIALS THAT IT IS SAFE TO RETURN.

THE TSUNAMI IS STILL EXPECTED TO BE DANGEROUS IN PUERTO RICO AND THE VIRGIN ISLANDS FOR SEVERAL MORE HOURS. THE TSUNAMI HAS STARTED IMPACT ALONG THE FLORIDA AND NORTH CAROLINA COAST. WAVE HEIGHTS LISTED ABOVE ARE EXPECTED TO INCREASE.

TIME - TIME OF MEASUREMENT

AMPL - TSUNAMI AMPLITUDES ARE MEASURED RELATIVE TO NORMAL SEA LEVEL.
IT IS ...NOT... CREST-TO-TROUGH WAVE HEIGHT.
VALUES ARE GIVEN IN BOTH METERS (M) AND FEET (FT).

PRELIMINARY EARTHQUAKE PARAMETERS

MAGNITUDE - 8.6

TIME - 0900 EDT APR 02 2009
0900 AST APR 02 2009
1300 UTC APR 02 2009

LOCATION - 19.0 NORTH 65.0 WEST
65 MILES/105 KM NE OF FAJARDO PUERTO RICO
80 MILES/129 KM NE OF SAN JUAN PUERTO RICO

DEPTH - 12 MILES/20 KM

THE PACIFIC TSUNAMI WARNING CENTER IN EWA BEACH HAWAII WILL ISSUE MESSAGES FOR AREAS IN THE CARIBBEAN OUTSIDE PUERTO RICO AND THE VIRGIN ISLANDS.

TSUNAMI WARNINGS MEAN THAT A TSUNAMI WITH SIGNIFICANT WIDESPREAD INUNDATION IS IMMINENT OR EXPECTED. WARNINGS INDICATE THAT WIDESPREAD DANGEROUS COASTAL FLOODING ACCCOMPANIED BY POWERFUL CURRENTS IS POSSIBLE AND MAY CONTINUE FOR SEVERAL HOURS AFTER THE INITIAL WAVE ARRIVAL.

TSUNAMI ADVISORIES MEAN THAT A TSUNAMI CAPABLE OF PRODUCING STRONG CURRENTS OR WAVES DANGEROUS TO PERSONS IN OR VERY NEAR THE WATER IS IMMINENT OR EXPECTED. SIGNIFICANT WIDESPREAD INUNDATION IS NOT EXPECTED FOR AREAS UNDER AN ADVISORY. CURRENTS MAY BE HAZARDOUS TO SWIMMERS... BOATS... AND COASTAL STRUCTURES AND MAY CONTINUE FOR SEVERAL HOURS AFTER THE INITIAL WAVE ARRIVAL.

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UNTIL FURTHER NOTICE. REFER TO THE INTERNET SITE
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AMZ250-252-254-256-130-135-150-152-154-156-158-
ANZ631>633-656-658-650-652-654-430-431-450>455-330-335-338-
350-353-355-230>237-250-254-255-150-050>052-081-
SCZ034-046-NCZ097-100-101-045>047-080-081-094-095-098-103-104-015>017-030>032-102-
VAZ084-086-091-094-095-098-099-100-MDZ025-DEZ002>004-NJZ005-006-011>014-021-
023>026-NYZ071>081-CTZ009>012-RIZ002-005>007-MAZ007-019>024-016-NHZ014-MEZ022>028-
029-
030-021835-
COASTAL AREAS BETWEEN AND INCLUDING SOUTH SANTEE RIVER SOUTH
CAROLINA TO LA MANCHE NEWFOUNDLAND
135 PM AST THU APR 2 2009

...A TEST TSUNAMI WARNING IS IN EFFECT WHICH INCLUDES THE
COASTAL AREAS OF SOUTH CAROLINA - NORTH CAROLINA - VIRGINIA
- MARYLAND - DELAWARE - NEW JERSEY - NEW YORK - CONNECTICUT
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TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED
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ATLANTIC CITY-NJ	1348	EDT APR 2	PORTLAND-ME	1516	EDT APR 2
MONTAUK-NY	1338	EDT APR 2	BOSTON-MA	1535	EDT APR 2
VIRGINIA BCH-VA	1342	EDT APR 2	GRAND MANAN-NB	1543	ADT APR 2
MYRTLE BCH-SC	1406	EDT APR 2	ST LAWRENCE-NL	1553	NDT APR 2
NANTUCKET IS-MA	1414	EDT APR 2	MANHATTAN-NY	1504	EDT APR 2
LOCKEPORT-NS	1429	ADT APR 2			

FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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GMZ032-075-052>054-AMZ630-650-651-550-552-555-450-452-454-
330-350-352-354-FLZ174-076>078168-172-173-047-054-059-064-141-
147-024-025-033-038-GAZ154-166-117-119-139-141-SCZ048>050-
051-021835-
COASTAL AREAS FROM FLAMINGO FLORIDA TO SOUTH SANTEE RIVER SOUTH
CAROLINA
135 PM AST THU APR 2 2009

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR THE COASTAL AREAS OF FLORIDA - GEORGIA - SOUTH CAROLINA FROM FLAMINGO FLORIDA TO SOUTH SANTEE RIVER SOUTH CAROLINA...

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MELBOURNE-FL	1323	EDT APR 2	CHARLESTON-SC	1416	EDT APR 2
JACKSONVILLE B-FL	1357	EDT APR 2			

FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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AMZ712-715-725-735-742-745-PRZ001>003-005-007-008-010-011-
VIZ001-002-021835-

COASTAL AREAS OF PUERTO RICO AND THE VIRGIN ISLANDS.

135 PM AST THU APR 2 2009

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WCATWC.ARH.NOAA.GOV

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ANZ081-021835-
COASTAL AREAS FROM LA MANCHE NEWFOUNDLAND TO CAPE CHIDLEY
LABRADOR
135 PM AST THU APR 2 2009

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BONAVISTA-NL 1733 NDT APR 2 BATTLE HARBOR-NL 1756 NDT APR 2
FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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WCATWC Message #8

WEXX20 PAAQ 021835
TSUAT1

BULLETIN

TEST...TSUNAMI MESSAGE NUMBER 8...TEST
NWS WEST COAST/ALASKA TSUNAMI WARNING CENTER PALMER AK
235 PM AST THU APR 2 2009

...A TEST TSUNAMI WARNING IS IN EFFECT WHICH INCLUDES THE
COASTAL AREAS OF SOUTH CAROLINA - NORTH CAROLINA - VIRGINIA
- MARYLAND - DELAWARE - NEW JERSEY - NEW YORK - CONNECTICUT
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...A TEST TSUNAMI ADVISORY IS IN EFFECT WHICH INCLUDES THE
COASTAL AREAS OF FLORIDA - GEORGIA AND SOUTH CAROLINA FROM
FLAMINGO FLORIDA TO SOUTH SANTEE RIVER SOUTH CAROLINA...

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR THE COASTAL AREAS OF
NEWFOUNDLAND AND LABRADOR FROM LA MANCHE NEWFOUNDLAND TO
CAPE CHIDLEY LABRADOR...

...THIS MESSAGE IS INFORMATION ONLY FOR U.S. AND CANADIAN
ATLANTIC AND GULF OF MEXICO COASTAL REGIONS NOT INCLUDED IN
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RECOMMENDED ACTIONS

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THIS MESSAGE IS BASED ON EARTHQUAKE DATA... OBSERVED TSUNAMI
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A TSUNAMI HAS BEEN OBSERVED AT THE FOLLOWING SITES

LOCATION	LAT	LON	TIME	AMPL
BERMUDA UK	32.4N	64.7W	1610UTC	1.85M/6.1FT
VACA KEY FL	24.7N	81.1W	1800UTC	0.23M/0.8FT
BEAUFORT NC	34.7N	76.7W	1810UTC	0.85M/2.8FT
OREGON INLET NC	35.8N	75.5W	1805UTC	0.15M/0.5FT
TRIDENT PIER FL	28.4N	80.6W	1755UTC	0.73M/2.4FT
ATLANTIC CITY NJ	39.4N	74.4W	1820UTC	0.50M/1.6FT
MONTAUK NY	41.0N	72.0W	1828UTC	0.44M/1.4FT

MODERATE SIZE TSUNAMIS AND STRONG CURRENTS CONTINUE IN PUERTO RICO AND THE VIRGIN ISLANDS. THE TSUNAMI AMPLITUDES HAVE RISEN IN SOME EAST COAST REGIONS TO THE LEVEL WHICH ARE NORMALLY ACCCOMPANIED BY STRONG CURRENTS. NO DAMAGE HAS BEEN REPORTED ALONG THE EAST COAST THOUGH TSUNAMI AMPLITUDES ARE STILL INCREASING.

TSUNAMI AMPLITUDES IN THE GULF OF MEXICO ARE EXPECTED TO BE BELOW 25CM AND NOT DANGEROUS. THE TSUNAMI IS NOW MAKING FIRST LANDFALL IN CANADA ALONG THE NOVA SCOTIA COAST. NO REPORTS HAVE BEEN RECEIVED FROM CANADA TO THIS POINT.

TIME - TIME OF MEASUREMENT

AMPL - TSUNAMI AMPLITUDES ARE MEASURED RELATIVE TO NORMAL SEA LEVEL.

IT IS ...NOT... CREST-TO-TROUGH WAVE HEIGHT.

VALUES ARE GIVEN IN BOTH METERS (M) AND FEET (FT).

PRELIMINARY EARTHQUAKE PARAMETERS

MAGNITUDE - 8.6

TIME - 0900 EDT APR 02 2009
0900 AST APR 02 2009
1300 UTC APR 02 2009

LOCATION - 19.0 NORTH 65.0 WEST
65 MILES/105 KM NE OF FAJARDO PUERTO RICO
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DEPTH - 12 MILES/20 KM

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ANZ631>633-656-658-650-652-654-430-431-450>455-330-335-338-
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SCZ034-046-NCZ097-100-101-045>047-080-081-094-095-098-103-104-015>017-030>032-102-
VAZ084-086-091-094-095-098-099-100-MDZ025-DEZ002>004-NJZ005-006-011>014-021-
023>026-NYZ071>081-CTZ009>012-RIZ002-005>007-MAZ007-019>024-016-NHZ014-MEZ022>028-
029-

030-021935-

COASTAL AREAS BETWEEN AND INCLUDING SOUTH SANTEE RIVER SOUTH
CAROLINA TO LA MANCHE NEWFOUNDLAND

235 PM AST THU APR 2 2009

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LOCKEPORT-NS	1429	ADT APR 2			

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WCATWC.ARH.NOAA.GOV

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GMZ032-075-052>054-AMZ630-650-651-550-552-555-450-452-454-
330-350-352-354-FLZ174-076>078168-172-173-047-054-059-064-141-
147-024-025-033-038-GAZ154-166-117-119-139-141-SCZ048>050-
051-021935-

COASTAL AREAS FROM FLAMINGO FLORIDA TO SOUTH SANTEE RIVER SOUTH

CAROLINA

235 PM AST THU APR 2 2009

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR THE COASTAL AREAS OF FLORIDA - GEORGIA - SOUTH CAROLINA FROM FLAMINGO FLORIDA TO SOUTH SANTEE RIVER SOUTH CAROLINA...

TSUNAMI ADVISORIES MEAN THAT A TSUNAMI CAPABLE OF PRODUCING STRONG CURRENTS OR WAVES DANGEROUS TO PERSONS IN OR VERY NEAR WATER IS IMMINENT OF EXPECTED. SIGNIFICANT WIDESPREAD INUNDATION IS NOT EXPECTED FOR AREAS IN AN ADVISORY. TSUNAMIS ARE A SERIES OF WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED SITES IN THE ADVISORY ARE PROVIDED BELOW.

MIAMI-FL	1208	EDT APR 2	SAVANNAH-GA	1418	EDT APR 2
MELBOURNE-FL	1323	EDT APR 2	CHARLESTON-SC	1416	EDT APR 2
JACKSONVILLE B-FL	1357	EDT APR 2			

FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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AMZ712-715-725-735-742-745-PRZ001>003-005-007-008-010-011-

VIZ001-002-021935-

COASTAL AREAS OF PUERTO RICO AND THE VIRGIN ISLANDS.

235 PM AST THU APR 2 2009

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR PUERTO RICO AND THE VIRGIN ISLANDS...

TSUNAMI ADVISORIES MEAN THAT A TSUNAMI CAPABLE OF PRODUCING STRONG CURRENTS OR WAVES DANGEROUS TO PERSONS IN OR VERY NEAR WATER IS IMMINENT OF EXPECTED. SIGNIFICANT WIDESPREAD INUNDATION IS NOT EXPECTED FOR AREAS IN AN ADVISORY. TSUNAMIS ARE A SERIES OF WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED SITES IN THE ADVISORY ARE PROVIDED BELOW.

FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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ANZ081-021935-

COASTAL AREAS FROM LA MANCHE NEWFOUNDLAND TO CAPE CHIDLEY LABRADOR

235 PM AST THU APR 2 2009

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR THE COASTAL AREAS OF NEWFOUNDLAND AND LABRADOR FROM LA MANCHE NEWFOUNDLAND TO CAPE CHIDLEY LABRADOR...

TSUNAMI ADVISORIES MEAN THAT A TSUNAMI CAPABLE OF PRODUCING STRONG CURRENTS OR WAVES DANGEROUS TO PERSONS IN OR VERY NEAR WATER IS IMMINENT OR EXPECTED. SIGNIFICANT WIDESPREAD INUNDATION IS NOT EXPECTED FOR AREAS IN AN ADVISORY. TSUNAMIS ARE A SERIES OF WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED SITES IN THE ADVISORY ARE PROVIDED BELOW.

BONAVISTA-NL 1733 NDT APR 2 BATTLE HARBOR-NL 1756 NDT APR 2
FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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WCATWC Message #9

WEXX20 PAAQ 021935
TSUAT1

BULLETIN

TEST...TSUNAMI MESSAGE NUMBER 9...TEST
NWS WEST COAST/ALASKA TSUNAMI WARNING CENTER PALMER AK
335 PM AST THU APR 2 2009

...A TEST TSUNAMI WARNING IS IN EFFECT WHICH INCLUDES THE
COASTAL AREAS OF SOUTH CAROLINA - NORTH CAROLINA - VIRGINIA
- MARYLAND - DELAWARE - NEW JERSEY - NEW YORK - CONNECTICUT
- RHODE ISLAND - MASSACHUSETTS - NEW HAMPSHIRE - MAINE -
NEW BRUNSWICK - NOVA SCOTIA AND NEWFOUNDLAND FROM SOUTH
SANTEE RIVER SOUTH CAROLINA TO LA MANCHE NEWFOUNDLAND...

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR PUERTO RICO AND THE
VIRGIN ISLANDS...

...A TEST TSUNAMI ADVISORY IS IN EFFECT WHICH INCLUDES THE
COASTAL AREAS OF FLORIDA - GEORGIA AND SOUTH CAROLINA FROM
JUPITER INLET FLORIDA TO SOUTH SANTEE RIVER SOUTH CAROLINA...

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR THE COASTAL AREAS OF
NEWFOUNDLAND AND LABRADOR FROM LA MANCHE NEWFOUNDLAND TO
CAPE CHIDLEY LABRADOR...

...THE TEST TSUNAMI WARNING/WATCH/ADVISORY STATUS IS CANCELED
FOR THE COASTAL AREAS FROM FLAMINGO FLORIDA TO JUPITER
INLET FLORIDA...

RECOMMENDED ACTIONS

A TSUNAMI HAS BEEN GENERATED WHICH COULD CAUSE DAMAGE TO THE
WARNING AND/OR ADVISORY REGIONS LISTED IN THE HEADLINE. PERSONS
IN LOW-LYING COASTAL AREAS SHOULD BE ALERT TO INSTRUCTIONS FROM
THEIR LOCAL EMERGENCY OFFICIALS. EVACUATIONS ARE ONLY ORDERED BY
EMERGENCY RESPONSE AGENCIES.

- PERSONS IN TSUNAMI WARNING COASTAL AREAS SHOULD MOVE INLAND TO
HIGHER GROUND.
- PERSONS IN TSUNAMI ADVISORY AREAS SHOULD MOVE OUT OF THE
WATER... OFF THE BEACH AND OUT OF HARBORS AND MARINAS.

THIS MESSAGE IS BASED ON EARTHQUAKE DATA... OBSERVED TSUNAMI
AMPLITUDES... HISTORICAL INFORMATION AND FORECAST MODELS.

A TSUNAMI HAS BEEN OBSERVED AT THE FOLLOWING SITES

LOCATION	LAT	LON	TIME	AMPL
BEAUFORT NC	34.7N	76.7W	1810UTC	0.85M/2.8FT
OREGON INLET NC	35.8N	75.5W	1805UTC	0.82M/2.7FT
TRIDENT PIER FL	28.4N	80.6W	1755UTC	0.93M/3.1FT
ATLANTIC CITY NJ	39.4N	74.4W	1900UTC	1.00M/3.3FT
MONTAUK NY	41.0N	72.0W	1828UTC	0.44M/1.4FT
BAR HARBOR ME	44.4N	68.2W	1905UTC	0.76M/2.5FT
CAPE MAY NJ	39.0N	75.0W	1910UTC	0.55M/1.8FT
FERNANDINA BEACH FL	30.7N	81.5W	1855UTC	0.45M/1.5FT
KIPTOKEE VA	37.2N	76.0W	1830UTC	0.59M/1.9FT
LEWES DE	38.8N	75.1W	1920UTC	0.77M/2.5FT

Moderate size tsunamis and strong currents continue in Puerto Rico and the Virgin Islands. The tsunami has inflicted damage to harbors and marinas along the east coast. Strong currents have damaged docks and moorings. It is unsafe to be in or near the water at this time. Initial reports from eastern Canada indicate that damaging waves have impacted the Nova Scotia and Newfoundland coast. Tide gages have recorded wave amplitudes greater than 1 meter. Tsunami recordings in the Gulf of Mexico are less than 15cm and not expected to get much larger. The advisory is cancelled for South Florida.

TIME - TIME OF MEASUREMENT

AMPL - TSUNAMI AMPLITUDES ARE MEASURED RELATIVE TO NORMAL SEA LEVEL.
IT IS ...NOT... CREST-TO-TROUGH WAVE HEIGHT.
VALUES ARE GIVEN IN BOTH METERS (M) AND FEET (FT).

PRELIMINARY EARTHQUAKE PARAMETERS

MAGNITUDE - 8.6
 TIME - 0900 EDT APR 02 2009
 0900 AST APR 02 2009
 1300 UTC APR 02 2009
 LOCATION - 19.0 NORTH 65.0 WEST
 65 MILES/105 KM NE OF FAJARDO PUERTO RICO
 80 MILES/129 KM NE OF SAN JUAN PUERTO RICO
 DEPTH - 12 MILES/20 KM

THE PACIFIC TSUNAMI WARNING CENTER IN EWA BEACH HAWAII WILL ISSUE MESSAGES FOR AREAS IN THE CARIBBEAN OUTSIDE PUERTO RICO AND THE VIRGIN ISLANDS.

TSUNAMI WARNINGS MEAN THAT A TSUNAMI WITH SIGNIFICANT WIDESPREAD INUNDATION IS IMMINENT OR EXPECTED. WARNINGS INDICATE THAT WIDESPREAD DANGEROUS COASTAL FLOODING ACCCOMPANIED BY POWERFUL CURRENTS IS POSSIBLE AND MAY CONTINUE FOR SEVERAL HOURS AFTER THE INITIAL WAVE ARRIVAL.

TSUNAMI ADVISORIES MEAN THAT A TSUNAMI CAPABLE OF PRODUCING

STRONG CURRENTS OR WAVES DANGEROUS TO PERSONS IN OR VERY NEAR THE WATER IS IMMINENT OR EXPECTED. SIGNIFICANT WIDESPREAD INUNDATION IS NOT EXPECTED FOR AREAS UNDER AN ADVISORY. CURRENTS MAY BE HAZARDOUS TO SWIMMERS... BOATS... AND COASTAL STRUCTURES AND MAY CONTINUE FOR SEVERAL HOURS AFTER THE INITIAL WAVE ARRIVAL.

THIS MESSAGE WILL BE UPDATED IN 60 MINUTES OR SOONER IF THE SITUATION WARRANTS. THE TSUNAMI MESSAGE WILL REMAIN IN EFFECT UNTIL FURTHER NOTICE. REFER TO THE INTERNET SITE WCATWC.ARH.NOAA.GOV FOR MORE INFORMATION.

AMZ250-252-254-256-130-135-150-152-154-156-158-
ANZ631>633-656-658-650-652-654-430-431-450>455-330-335-338-
350-353-355-230>237-250-254-255-150-050>052-081-
SCZ034-046-NCZ097-100-101-045>047-080-081-094-095-098-103-104-015>017-030>032-102-
VAZ084-086-091-094-095-098-099-100-MDZ025-DEZ002>004-NJZ005-006-011>014-021-
023>026-NYZ071>081-CTZ009>012-RIZ002-005>007-MAZ007-019>024-016-NHZ014-MEZ022>028-
029-
030-022035-
COASTAL AREAS BETWEEN AND INCLUDING SOUTH SANTEE RIVER SOUTH
CAROLINA TO LA MANCHE NEWFOUNDLAND
335 PM AST THU APR 2 2009

...A TEST TSUNAMI WARNING IS IN EFFECT WHICH INCLUDES THE COASTAL AREAS OF SOUTH CAROLINA - NORTH CAROLINA - VIRGINIA - MARYLAND - DELAWARE - NEW JERSEY - NEW YORK - CONNECTICUT - RHODE ISLAND - MASSACHUSETTS - NEW HAMPSHIRE - MAINE - NEW BRUNSWICK - NOVA SCOTIA AND NEWFOUNDLAND FROM SOUTH SANTEE RIVER SOUTH CAROLINA TO LA MANCHE NEWFOUNDLAND...

TSUNAMI WARNINGS MEAN THAT A TSUNAMI WITH SIGNIFICANT WIDESPREAD INUNDATION IS IMMINENT OR EXPECTED. TSUNAMIS ARE A SERIES OF WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED SITES IN THE WARNING ARE PROVIDED BELOW.

CAPE HATTERAS-NC	1208	EDT APR 2	SCATARIE IS-NS	1522	ADT APR 2
ATLANTIC CITY-NJ	1348	EDT APR 2	PORTLAND-ME	1516	EDT APR 2
MONTAUK-NY	1338	EDT APR 2	BOSTON-MA	1535	EDT APR 2
VIRGINIA BCH-VA	1342	EDT APR 2	GRAND MANAN-NB	1543	ADT APR 2
MYRTLE BCH-SC	1406	EDT APR 2	ST LAWRENCE-NL	1553	NDT APR 2
NANTUCKET IS-MA	1414	EDT APR 2	MANHATTAN-NY	1504	EDT APR 2
LOCKEPORT-NS	1429	ADT APR 2			

FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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AMZ550-552-555-450-452-454-330-350-352-354-FLZ047-054-059-064-

141-147-024-025-033-038-GAZ154-166-117-119-139-141-SCZ048>050-

051-022035-

COASTAL AREAS FROM JUPITER INLET FLORIDA TO SOUTH SANTEE RIVER
SOUTH CAROLINA

335 PM AST THU APR 2 2009

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR THE COASTAL AREAS OF
FLORIDA - GEORGIA - SOUTH CAROLINA FROM JUPITER INLET
FLORIDA TO SOUTH SANTEE RIVER SOUTH CAROLINA...

TSUNAMI ADVISORIES MEAN THAT A TSUNAMI CAPABLE OF PRODUCING
STRONG CURRENTS OR WAVES DANGEROUS TO PERSONS IN OR VERY NEAR
WATER IS IMMINENT OF EXPECTED. SIGNIFICANT WIDESPREAD INUNDATION
IS NOT EXPECTED FOR AREAS IN AN ADVISORY. TSUNAMIS ARE A SERIES OF
WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL
TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED
SITES IN THE ADVISORY ARE PROVIDED BELOW.

MELBOURNE-FL	1323	EDT APR 2	CHARLESTON-SC	1416	EDT APR 2
JACKSONVILLE B-FL	1357	EDT APR 2	SAVANNAH-GA	1418	EDT APR 2

FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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AMZ712-715-725-735-742-745-PRZ001>003-005-007-008-010-011-

VIZ001-002-022035-

COASTAL AREAS OF PUERTO RICO AND THE VIRGIN ISLANDS.

335 PM AST THU APR 2 2009

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR PUERTO RICO AND THE
VIRGIN ISLANDS...

TSUNAMI ADVISORIES MEAN THAT A TSUNAMI CAPABLE OF PRODUCING
STRONG CURRENTS OR WAVES DANGEROUS TO PERSONS IN OR VERY NEAR
WATER IS IMMINENT OF EXPECTED. SIGNIFICANT WIDESPREAD INUNDATION
IS NOT EXPECTED FOR AREAS IN AN ADVISORY. TSUNAMIS ARE A SERIES OF
WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL
TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED
SITES IN THE ADVISORY ARE PROVIDED BELOW.

FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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ANZ081-022035-

COASTAL AREAS FROM LA MANCHE NEWFOUNDLAND TO CAPE CHIDLEY
LABRADOR

335 PM AST THU APR 2 2009

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR THE COASTAL AREAS OF
NEWFOUNDLAND AND LABRADOR FROM LA MANCHE NEWFOUNDLAND TO
CAPE CHIDLEY LABRADOR...

TSUNAMI ADVISORIES MEAN THAT A TSUNAMI CAPABLE OF PRODUCING STRONG CURRENTS OR WAVES DANGEROUS TO PERSONS IN OR VERY NEAR WATER IS IMMINENT OR EXPECTED. SIGNIFICANT WIDESPREAD INUNDATION IS NOT EXPECTED FOR AREAS IN AN ADVISORY. TSUNAMIS ARE A SERIES OF WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED SITES IN THE ADVISORY ARE PROVIDED BELOW.

BONAVISTA-NL 1733 NDT APR 2 BATTLE HARBOR-NL 1756 NDT APR 2
FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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WCATWC Message #10

WEXX20 PAAQ 022035
TSUAT1

BULLETIN

TEST...TSUNAMI MESSAGE NUMBER 10...TEST
NWS WEST COAST/ALASKA TSUNAMI WARNING CENTER PALMER AK
435 PM AST THU APR 2 2009

...A TEST TSUNAMI WARNING IS IN EFFECT WHICH INCLUDES THE
COASTAL AREAS OF SOUTH CAROLINA - NORTH CAROLINA - VIRGINIA
- MARYLAND - DELAWARE - NEW JERSEY - NEW YORK - CONNECTICUT
- RHODE ISLAND - MASSACHUSETTS - NEW HAMPSHIRE - MAINE -
NEW BRUNSWICK - NOVA SCOTIA AND NEWFOUNDLAND FROM SOUTH
SANTEE RIVER SOUTH CAROLINA TO LA MANCHE NEWFOUNDLAND...

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR PUERTO RICO AND THE
VIRGIN ISLANDS...

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR THE COASTAL AREAS OF
NEWFOUNDLAND AND LABRADOR FROM LA MANCHE NEWFOUNDLAND TO
CAPE CHIDLEY LABRADOR...

...THE TEST TSUNAMI WARNING/WATCH/ADVISORY STATUS IS CANCELED
FOR THE COASTAL AREAS FROM JUPITER INLET FLORIDA TO SOUTH
SANTEE RIVER SOUTH CAROLINA...

RECOMMENDED ACTIONS

A TSUNAMI HAS BEEN GENERATED WHICH COULD CAUSE DAMAGE TO THE
WARNING AND/OR ADVISORY REGIONS LISTED IN THE HEADLINE. PERSONS
IN LOW-LYING COASTAL AREAS SHOULD BE ALERT TO INSTRUCTIONS FROM
THEIR LOCAL EMERGENCY OFFICIALS. EVACUATIONS ARE ONLY ORDERED BY
EMERGENCY RESPONSE AGENCIES.

- PERSONS IN TSUNAMI WARNING COASTAL AREAS SHOULD MOVE INLAND TO
HIGHER GROUND.
- PERSONS IN TSUNAMI ADVISORY AREAS SHOULD MOVE OUT OF THE
WATER... OFF THE BEACH AND OUT OF HARBORS AND MARINAS.

THIS MESSAGE IS BASED ON EARTHQUAKE DATA... OBSERVED TSUNAMI
AMPLITUDES... HISTORICAL INFORMATION AND FORECAST MODELS.

A TSUNAMI HAS BEEN OBSERVED AT THE FOLLOWING SITES

LOCATION	LAT	LON	TIME	AMPL
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ATLANTIC CITY NJ	39.4N	74.4W	1900UTC	1.81M/5.9FT
MONTAUK NY	41.0N	72.0W	1940UTC	0.60M/2.0FT

BAR HARBOR ME	44.4N	68.2W	2000UTC	0.76M/2.5FT
CAPE MAY NJ	39.0N	75.0W	1910UTC	0.55M/1.8FT
KIPTOPEKE VA	37.2N	76.0W	1830UTC	0.59M/1.9FT
LEWES DE	38.8N	75.1W	1920UTC	0.77M/2.5FT
OCEAN CITY MD	38.3N	75.1W	2010UTC	1.08M/3.5FT
PORTLAND ME	43.7N	70.2W	2015UTC	0.62M/2.0FT
SANDY HOOK NJ	40.5N	74.0W	2020UTC	0.90M/3.0FT

Moderate size tsunamis and strong currents continue in Puerto Rico and the Virgin Islands. Damaging waves continue along the northern U.S. Atlantic coast. Several areas have reported damage to boats, harbors, and waterfronts due to strong currents. It continues to be unsafe to be in or near the water in areas in a warning or advisory. The southeast coast of Nova Scotia and southern coast of Newfoundland are experiencing flooding waves in some regions.

Tide gages report tsunamis over 1 meter in amplitude.

Tsunami observations continue to indicate no danger in the Gulf of Mexico. The /advisory is cancelled for U.S. coastal regions south of South Carolina.

TIME - TIME OF MEASUREMENT

AMPL - TSUNAMI AMPLITUDES ARE MEASURED RELATIVE TO NORMAL SEA LEVEL.

IT IS ...NOT... CREST-TO-TROUGH WAVE HEIGHT.

VALUES ARE GIVEN IN BOTH METERS (M) AND FEET (FT).

PRELIMINARY EARTHQUAKE PARAMETERS

MAGNITUDE - 8.6

TIME - 0900 EDT APR 02 2009
0900 AST APR 02 2009
1300 UTC APR 02 2009

LOCATION - 19.0 NORTH 65.0 WEST
65 MILES/105 KM NE OF FAJARDO PUERTO RICO
80 MILES/129 KM NE OF SAN JUAN PUERTO RICO

DEPTH - 12 MILES/20 KM

THE PACIFIC TSUNAMI WARNING CENTER IN EWA BEACH HAWAII WILL ISSUE MESSAGES FOR AREAS IN THE CARIBBEAN OUTSIDE PUERTO RICO AND THE VIRGIN ISLANDS.

TSUNAMI WARNINGS MEAN THAT A TSUNAMI WITH SIGNIFICANT WIDESPREAD INUNDATION IS IMMINENT OR EXPECTED. WARNINGS INDICATE THAT WIDESPREAD DANGEROUS COASTAL FLOODING ACCCOMPANIED BY POWERFUL CURRENTS IS POSSIBLE AND MAY CONTINUE FOR SEVERAL HOURS AFTER THE INITIAL WAVE ARRIVAL.

TSUNAMI ADVISORIES MEAN THAT A TSUNAMI CAPABLE OF PRODUCING STRONG CURRENTS OR WAVES DANGEROUS TO PERSONS IN OR VERY NEAR THE WATER IS IMMINENT OR EXPECTED. SIGNIFICANT WIDESPREAD INUNDATION IS NOT EXPECTED FOR AREAS UNDER AN ADVISORY. CURRENTS MAY BE HAZARDOUS TO SWIMMERS... BOATS... AND COASTAL STRUCTURES AND MAY

CONTINUE FOR SEVERAL HOURS AFTER THE INITIAL WAVE ARRIVAL.

THIS MESSAGE WILL BE UPDATED IN 60 MINUTES OR SOONER IF
THE SITUATION WARRANTS. THE TSUNAMI MESSAGE WILL REMAIN IN EFFECT
UNTIL FURTHER NOTICE. REFER TO THE INTERNET SITE
WCATWC.ARH.NOAA.GOV FOR MORE INFORMATION.

AMZ250-252-254-256-130-135-150-152-154-156-158-
ANZ631>633-656-658-650-652-654-430-431-450>455-330-335-338-
350-353-355-230>237-250-254-255-150-050>052-081-
SCZ034-046-NCZ097-100-101-045>047-080-081-094-095-098-103-104-015>017-030>032-102-
VAZ084-086-091-094-095-098-099-100-MDZ025-DEZ002>004-NJZ005-006-011>014-021-
023>026-NYZ071>081-CTZ009>012-RIZ002-005>007-MAZ007-019>024-016-NHZ014-MEZ022>028-
029-

030-022135-

COASTAL AREAS BETWEEN AND INCLUDING SOUTH SANTEE RIVER SOUTH
CAROLINA TO LA MANCHE NEWFOUNDLAND

435 PM AST THU APR 2 2009

...A TEST TSUNAMI WARNING IS IN EFFECT WHICH INCLUDES THE
COASTAL AREAS OF SOUTH CAROLINA - NORTH CAROLINA - VIRGINIA
- MARYLAND - DELAWARE - NEW JERSEY - NEW YORK - CONNECTICUT
- RHODE ISLAND - MASSACHUSETTS - NEW HAMPSHIRE - MAINE -
NEW BRUNSWICK - NOVA SCOTIA AND NEWFOUNDLAND FROM SOUTH
SANTEE RIVER SOUTH CAROLINA TO LA MANCHE NEWFOUNDLAND...

TSUNAMI WARNINGS MEAN THAT A TSUNAMI WITH SIGNIFICANT WIDESPREAD
INUNDATION IS IMMINENT OR EXPECTED. TSUNAMIS ARE A SERIES OF
WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL
TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED
SITES IN THE WARNING ARE PROVIDED BELOW.

CAPE HATTERAS-NC	1208	EDT APR 2	SCATARIE IS-NS	1522	ADT APR 2
ATLANTIC CITY-NJ	1348	EDT APR 2	PORLTAND-ME	1516	EDT APR 2
MONTAUK-NY	1338	EDT APR 2	BOSTON-MA	1535	EDT APR 2
VIRGINIA BCH-VA	1342	EDT APR 2	GRAND MANAN-NB	1543	ADT APR 2
MYRTLE BCH-SC	1406	EDT APR 2	ST LAWRENCE-NL	1553	NDT APR 2
NANTUCKET IS-MA	1414	EDT APR 2	MANHATTAN-NY	1504	EDT APR 2
LOCKEPORT-NS	1429	ADT APR 2			

FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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AMZ712-715-725-735-742-745-PRZ001>003-005-007-008-010-011-
VIZ001-002-022135-

COASTAL AREAS OF PUERTO RICO AND THE VIRGIN ISLANDS.

435 PM AST THU APR 2 2009

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR PUERTO RICO AND THE VIRGIN ISLANDS...

TSUNAMI ADVISORIES MEAN THAT A TSUNAMI CAPABLE OF PRODUCING STRONG CURRENTS OR WAVES DANGEROUS TO PERSONS IN OR VERY NEAR WATER IS IMMINENT OF EXPECTED. SIGNIFICANT WIDESPREAD INUNDATION IS NOT EXPECTED FOR AREAS IN AN ADVISORY. TSUNAMIS ARE A SERIES OF WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED SITES IN THE ADVISORY ARE PROVIDED BELOW.

FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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AMZ250-252-254-256-130-135-150-152-154-156-158-ANZ631>633-
656-658-650-652-654-430-431-450>455-330-335-338-350-353-355-
230>237-250-254-255-150-050>052-081-SCZ034-046-NCZ097-100-
101-045>047-080-081-094-095-098-103-104-015>017-030>032-102-
VAZ084-086-091-094-095-098-099-100-MDZ025-DEZ002>004-NJZ005-
006-011>014-021-023>026-NYZ071>081-CTZ009>012-RIZ002-005>007-
MAZ007-019>024-016-NHZ014-MEZ022>028-029-030-022135-
COASTAL AREAS FROM SOUTH SANTEE RIVER SOUTH CAROLINA TO
CHARLESVILLE NOVA SCOTIA
435 PM AST THU APR 2 2009

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR THE COASTAL AREAS OF SOUTH CAROLINA - NORTH CAROLINA - VIRGINIA - MARYLAND - DELAWARE - NEW JERSEY - NEW YORK - CONNECTICUT - RHODE ISLAND - MASSACHUSETTS - NEW HAMPSHIRE - MAINE - NEW BRUNSWICK AND NOVA SCOTIA FROM SOUTH SANTEE RIVER SOUTH CAROLINA TO CHARLESVILLE NOVA SCOTIA...

TSUNAMI ADVISORIES MEAN THAT A TSUNAMI CAPABLE OF PRODUCING STRONG CURRENTS OR WAVES DANGEROUS TO PERSONS IN OR VERY NEAR WATER IS IMMINENT OF EXPECTED. SIGNIFICANT WIDESPREAD INUNDATION IS NOT EXPECTED FOR AREAS IN AN ADVISORY. TSUNAMIS ARE A SERIES OF WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED SITES IN THE ADVISORY ARE PROVIDED BELOW.

CAPE HATTERAS-NC	1208	EDT	APR 2	NANTUCKET IS-MA	1414	EDT	APR 2
LOCKEPORT-NS	1429	ADT	APR 2	GRAND MANAN-NB	1543	ADT	APR 2
MONTAUK-NY	1338	EDT	APR 2	MANHATTAN-NY	1504	EDT	APR 2
VIRGINIA BCH-VA	1342	EDT	APR 2	PORTLAND-ME	1516	EDT	APR 2
ATLANTIC CITY-NJ	1348	EDT	APR 2	BOSTON-MA	1535	EDT	APR 2
MYRTLE BCH-SC	1406	EDT	APR 2				

FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE

WCATWC.ARH.NOAA.GOV

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ANZ081-022135-

COASTAL AREAS FROM LA MANCHE NEWFOUNDLAND TO CAPE CHIDLEY

LABRADOR

435 PM AST THU APR 2 2009

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR THE COASTAL AREAS OF
NEWFOUNDLAND AND LABRADOR FROM LA MANCHE NEWFOUNDLAND TO
CAPE CHIDLEY LABRADOR...

TSUNAMI ADVISORIES MEAN THAT A TSUNAMI CAPABLE OF PRODUCING
STRONG CURRENTS OR WAVES DANGEROUS TO PERSONS IN OR VERY NEAR
WATER IS IMMINENT OR EXPECTED. SIGNIFICANT WIDESPREAD INUNDATION
IS NOT EXPECTED FOR AREAS IN AN ADVISORY. TSUNAMIS ARE A SERIES OF
WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL
TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED
SITES IN THE ADVISORY ARE PROVIDED BELOW.

BONAVISTA-NL 1733 NDT APR 2 BATTLE HARBOR-NL 1756 NDT APR 2
FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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WCATWC Message #11

WEXX20 PAAQ 022135
TSUAT1

BULLETIN

TEST...TSUNAMI MESSAGE NUMBER 11...TEST
NWS WEST COAST/ALASKA TSUNAMI WARNING CENTER PALMER AK
535 PM AST THU APR 2 2009

...A TEST TSUNAMI WARNING IS IN EFFECT WHICH INCLUDES THE
COASTAL AREAS OF VIRGINIA - MARYLAND - DELAWARE -
NEW JERSEY - NEW YORK - CONNECTICUT - RHODE ISLAND -
MASSACHUSETTS - NEW HAMPSHIRE - MAINE - NEW BRUNSWICK -
NOVA SCOTIA AND NEWFOUNDLAND FROM NEW POINT COMFORT
VIRGINIA TO LA MANCHE NEWFOUNDLAND...

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR PUERTO RICO AND THE
VIRGIN ISLANDS...

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR THE COASTAL AREAS OF
NEWFOUNDLAND AND LABRADOR FROM LA MANCHE NEWFOUNDLAND TO
CAPE CHIDLEY LABRADOR...

...THE TEST TSUNAMI WARNING/WATCH/ADVISORY STATUS IS CANCELED
FOR THE COASTAL AREAS FROM SOUTH SANTEE RIVER SOUTH
CAROLINA TO NEW POINT COMFORT VIRGINIA...

RECOMMENDED ACTIONS

A TSUNAMI HAS BEEN GENERATED WHICH COULD CAUSE DAMAGE TO THE
WARNING AND/OR ADVISORY REGIONS LISTED IN THE HEADLINE. PERSONS
IN LOW-LYING COASTAL AREAS SHOULD BE ALERT TO INSTRUCTIONS FROM
THEIR LOCAL EMERGENCY OFFICIALS. EVACUATIONS ARE ONLY ORDERED BY
EMERGENCY RESPONSE AGENCIES.

- PERSONS IN TSUNAMI WARNING COASTAL AREAS SHOULD MOVE INLAND TO
HIGHER GROUND.
- PERSONS IN TSUNAMI ADVISORY AREAS SHOULD MOVE OUT OF THE
WATER... OFF THE BEACH AND OUT OF HARBORS AND MARINAS.

THIS MESSAGE IS BASED ON EARTHQUAKE DATA... OBSERVED TSUNAMI
AMPLITUDES... HISTORICAL INFORMATION AND FORECAST MODELS.

A TSUNAMI HAS BEEN OBSERVED AT THE FOLLOWING SITES

LOCATION	LAT	LON	TIME	AMPL
ATLANTIC CITY NJ	39.4N	74.4W	1900UTC	1.81M/5.9FT
MONTAUK NY	41.0N	72.0W	1940UTC	0.60M/2.0FT

BAR HARBOR ME	44.4N	68.2W	2000UTC	0.76M/2.5FT
CAPE MAY NJ	39.0N	75.0W	1910UTC	0.55M/1.8FT
KIPTOPEKE VA	37.2N	76.0W	1830UTC	0.59M/1.9FT
LEWES DE	38.8N	75.1W	1920UTC	0.77M/2.5FT
OCEAN CITY MD	38.3N	75.1W	2010UTC	1.28M/4.2FT
PORTLAND ME	43.7N	70.2W	2015UTC	0.62M/2.0FT
SANDY HOOK NJ	40.5N	74.0W	2020UTC	0.90M/3.0FT

Moderate size tsunamis and strong currents continue in Puerto Rico and the Virgin Islands. Tsunami amplitude is beginning to decrease in most areas of the northern U.S. Atlantic coast. Several areas have reported damage to boats, harbors, and waterfronts due to strong currents. Stay out of evacuated areas until local officials report it is safe to return. The southeast coast of Nova Scotia and southern coast of Newfoundland continue to experience flooding waves in some regions. Tide gages report waves over 1 meter in amplitude. Tsunami observations continue to indicate no danger in the Gulf of Mexico. The warning/advisory is cancelled for U.S. coastal regions south of Virginia.

TIME - TIME OF MEASUREMENT

AMPL - TSUNAMI AMPLITUDES ARE MEASURED RELATIVE TO NORMAL SEA LEVEL.

IT IS ...NOT... CREST-TO-TROUGH WAVE HEIGHT.

VALUES ARE GIVEN IN BOTH METERS (M) AND FEET (FT).

PRELIMINARY EARTHQUAKE PARAMETERS

MAGNITUDE - 8.6

TIME - 0900 EDT APR 02 2009
0900 AST APR 02 2009
1300 UTC APR 02 2009

LOCATION - 19.0 NORTH 65.0 WEST
65 MILES/105 KM NE OF FAJARDO PUERTO RICO
80 MILES/129 KM NE OF SAN JUAN PUERTO RICO

DEPTH - 12 MILES/20 KM

THE PACIFIC TSUNAMI WARNING CENTER IN EWA BEACH HAWAII WILL ISSUE MESSAGES FOR AREAS IN THE CARIBBEAN OUTSIDE PUERTO RICO AND THE VIRGIN ISLANDS.

TSUNAMI WARNINGS MEAN THAT A TSUNAMI WITH SIGNIFICANT WIDESPREAD INUNDATION IS IMMINENT OR EXPECTED. WARNINGS INDICATE THAT WIDESPREAD DANGEROUS COASTAL FLOODING ACCOMPANIED BY POWERFUL CURRENTS IS POSSIBLE AND MAY CONTINUE FOR SEVERAL HOURS AFTER THE INITIAL WAVE ARRIVAL.

TSUNAMI ADVISORIES MEAN THAT A TSUNAMI CAPABLE OF PRODUCING STRONG CURRENTS OR WAVES DANGEROUS TO PERSONS IN OR VERY NEAR THE WATER IS IMMINENT OR EXPECTED. SIGNIFICANT WIDESPREAD INUNDATION IS NOT EXPECTED FOR AREAS UNDER AN ADVISORY. CURRENTS MAY BE

HAZARDOUS TO SWIMMERS... BOATS... AND COASTAL STRUCTURES AND MAY CONTINUE FOR SEVERAL HOURS AFTER THE INITIAL WAVE ARRIVAL.

THIS MESSAGE WILL BE UPDATED IN 60 MINUTES OR SOONER IF THE SITUATION WARRANTS. THE TSUNAMI MESSAGE WILL REMAIN IN EFFECT UNTIL FURTHER NOTICE. REFER TO THE INTERNET SITE WCATWC.ARH.NOAA.GOV FOR MORE INFORMATION.

ANZ650-652-654-430-431-450>455-330-335-338-
350-353-355-230>237-250-254-255-150-050>052-081-
VAZ099-100-MDZ025-DEZ002>004-NJZ005-006-011>014-021-023>026-NYZ071>081-CTZ009>012-
RIZ002-005>007-MAZ007-019>024-016-NHZ014-MEZ022>028-029-
030-022235-
COASTAL AREAS BETWEEN AND INCLUDING NEW POINT COMFORT
VIRGINIA TO LA MANCHE NEWFOUNDLAND
535 PM AST THU APR 2 2009

...A TEST TSUNAMI WARNING IS IN EFFECT WHICH INCLUDES THE COASTAL AREAS OF VIRGINIA - MARYLAND - DELAWARE - NEW JERSEY - NEW YORK - CONNECTICUT - RHODE ISLAND - MASSACHUSETTS - NEW HAMPSHIRE - MAINE - NEW BRUNSWICK - NOVA SCOTIA AND NEWFOUNDLAND FROM NEW POINT COMFORT VIRGINIA TO LA MANCHE NEWFOUNDLAND...

TSUNAMI WARNINGS MEAN THAT A TSUNAMI WITH SIGNIFICANT WIDESPREAD INUNDATION IS IMMINENT OR EXPECTED. TSUNAMIS ARE A SERIES OF WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED SITES IN THE WARNING ARE PROVIDED BELOW.

ATLANTIC CITY-NJ	1348	EDT APR 2	PORLTAND-ME	1516	EDT APR 2
MONTAUK-NY	1338	EDT APR 2	BOSTON-MA	1535	EDT APR 2
NANTUCKET IS-MA	1414	EDT APR 2	MANHATTAN-NY	1504	EDT APR 2
LOCKEPORT-NS	1429	ADT APR 2	ST LAWRENCE-NL	1553	NDT APR 2
GRAND MANAN-NB	1543	ADT APR 2	SCATARIE IS-NS	1522	ADT APR 2

FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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AMZ712-715-725-735-742-745-PRZ001>003-005-007-008-010-011-
VIZ001-002-022235-
COASTAL AREAS OF PUERTO RICO AND THE VIRGIN ISLANDS.
535 PM AST THU APR 2 2009

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR PUERTO RICO AND THE VIRGIN ISLANDS...

TSUNAMI ADVISORIES MEAN THAT A TSUNAMI CAPABLE OF PRODUCING

STRONG CURRENTS OR WAVES DANGEROUS TO PERSONS IN OR VERY NEAR WATER IS IMMINENT OF EXPECTED. SIGNIFICANT WIDESPREAD INUNDATION IS NOT EXPECTED FOR AREAS IN AN ADVISORY. TSUNAMIS ARE A SERIES OF WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED SITES IN THE ADVISORY ARE PROVIDED BELOW.

FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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ANZ081-022235-
COASTAL AREAS FROM LA MANCHE NEWFOUNDLAND TO CAPE CHIDLEY
LABRADOR
535 PM AST THU APR 2 2009

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR THE COASTAL AREAS OF NEWFOUNDLAND AND LABRADOR FROM LA MANCHE NEWFOUNDLAND TO CAPE CHIDLEY LABRADOR...

TSUNAMI ADVISORIES MEAN THAT A TSUNAMI CAPABLE OF PRODUCING STRONG CURRENTS OR WAVES DANGEROUS TO PERSONS IN OR VERY NEAR WATER IS IMMINENT OF EXPECTED. SIGNIFICANT WIDESPREAD INUNDATION IS NOT EXPECTED FOR AREAS IN AN ADVISORY. TSUNAMIS ARE A SERIES OF WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED SITES IN THE ADVISORY ARE PROVIDED BELOW.

BONAVISTA-NL 1733 NDT APR 2 BATTLE HARBOR-NL 1756 NDT APR 2
FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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WCATWC Message #12

WEXX20 PAAQ 022235
TSUAT1

BULLETIN

TEST...TSUNAMI MESSAGE NUMBER 12...TEST
NWS WEST COAST/ALASKA TSUNAMI WARNING CENTER PALMER AK
635 PM AST THU APR 2 2009

...A TEST TSUNAMI WARNING IS IN EFFECT WHICH INCLUDES THE COASTAL AREAS OF RHODE ISLAND - MASSACHUSETTS - NEW HAMPSHIRE - MAINE - NEW BRUNSWICK - NOVA SCOTIA AND NEWFOUNDLAND FROM WATCH HILL RHODE ISLAND TO LA MANCHE NEWFOUNDLAND

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR PUERTO RICO AND THE VIRGIN ISLANDS...

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR THE COASTAL AREAS OF NEWFOUNDLAND AND LABRADOR FROM LA MANCHE NEWFOUNDLAND TO CAPE CHIDLEY LABRADOR...

...THE TEST TSUNAMI WARNING/WATCH/ADVISORY STATUS IS CANCELED FOR THE COASTAL AREAS FROM NEW POINT COMFORT VIRGINIA TO WATCH HILL RHODE ISLAND...

RECOMMENDED ACTIONS

A TSUNAMI HAS BEEN GENERATED WHICH COULD CAUSE DAMAGE TO THE WARNING AND/OR ADVISORY REGIONS LISTED IN THE HEADLINE. PERSONS IN LOW-LYING COASTAL AREAS SHOULD BE ALERT TO INSTRUCTIONS FROM THEIR LOCAL EMERGENCY OFFICIALS. EVACUATIONS ARE ONLY ORDERED BY EMERGENCY RESPONSE AGENCIES.

- PERSONS IN TSUNAMI WARNING COASTAL AREAS SHOULD MOVE INLAND TO HIGHER GROUND.
- PERSONS IN TSUNAMI ADVISORY AREAS SHOULD MOVE OUT OF THE WATER... OFF THE BEACH AND OUT OF HARBORS AND MARINAS.

THIS MESSAGE IS BASED ON EARTHQUAKE DATA... OBSERVED TSUNAMI AMPLITUDES... HISTORICAL INFORMATION AND FORECAST MODELS.

MODERATE SIZE TSUNAMIS AND STRONG CURRENTS CONTINUE IN PUERTO RICO AND THE VIRGIN ISLANDS. TSUNAMI AMPLITUDE IS CONTINUES TO DECREASE IN MOST AREAS OF THE NORTHERN U.S. ATLANTIC COAST. SEVERAL AREAS HAVE REPORTED DAMAGE TO BOATS, HARBORS, AND WATERFRONTS DUE TO STRONG CURRENTS. STAY OUT OF EVACUAUTED AREAS UNTIL LOCAL OFFICIALS REPORT IT IS SAFE TO RETURN. TSUNAMI AMPLITUDES ARE STARTING TO DECREASE IN SOUTHERN

NOVA SCOTIA AND NEWFOUNDLAND. WAVES ALONG THE LABRADOR COAST ARE REPORTED TO BE LESS THAN 50CM AND NOT CAUSING ANY DAMAGE. TSUNAMI OBSERVATIONS CONTINUE TO INDICATE NO DANGER IN THE GULF OF MEXICO. THE WARNING/ADVISORY IS CANCELLED FOR U.S. COASTAL REGIONS SOUTH OF RHODE ISLAND.

PRELIMINARY EARTHQUAKE PARAMETERS

MAGNITUDE - 8.6

TIME - 0900 EDT APR 02 2009

0900 AST APR 02 2009

1300 UTC APR 02 2009

LOCATION - 19.0 NORTH 65.0 WEST

65 MILES/105 KM NE OF FAJARDO PUERTO RICO

80 MILES/129 KM NE OF SAN JUAN PUERTO RICO

DEPTH - 12 MILES/20 KM

THE PACIFIC TSUNAMI WARNING CENTER IN EWA BEACH HAWAII WILL ISSUE MESSAGES FOR AREAS IN THE CARIBBEAN OUTSIDE PUERTO RICO AND THE VIRGIN ISLANDS.

TSUNAMI WARNINGS MEAN THAT A TSUNAMI WITH SIGNIFICANT WIDESPREAD INUNDATION IS IMMINENT OR EXPECTED. WARNINGS INDICATE THAT WIDESPREAD DANGEROUS COASTAL FLOODING ACCCOMPANIED BY POWERFUL CURRENTS IS POSSIBLE AND MAY CONTINUE FOR SEVERAL HOURS AFTER THE INITIAL WAVE ARRIVAL.

TSUNAMI ADVISORIES MEAN THAT A TSUNAMI CAPABLE OF PRODUCING STRONG CURRENTS OR WAVES DANGEROUS TO PERSONS IN OR VERY NEAR THE WATER IS IMMINENT OR EXPECTED. SIGNIFICANT WIDESPREAD INUNDATION IS NOT EXPECTED FOR AREAS UNDER AN ADVISORY. CURRENTS MAY BE HAZARDOUS TO SWIMMERS... BOATS... AND COASTAL STRUCTURES AND MAY CONTINUE FOR SEVERAL HOURS AFTER THE INITIAL WAVE ARRIVAL.

THIS MESSAGE WILL BE UPDATED IN 60 MINUTES OR SOONER IF THE SITUATION WARRANTS. THE TSUNAMI MESSAGE WILL REMAIN IN EFFECT UNTIL FURTHER NOTICE. REFER TO THE INTERNET SITE WCATWC.ARH.NOAA.GOV FOR MORE INFORMATION.

ANZ230>237-250-254-255-150-050>052-081-
RIZ002-005>007-MAZ007-019>024-016-NHZ014-MEZ022>028-029-
030-022335-

COASTAL AREAS BETWEEN AND INCLUDING WATCH HILL RHODE ISLAND
VIRGINIA TO LA MANCHE NEWFOUNDLAND
635 PM AST THU APR 2 2009

...A TEST TSUNAMI WARNING IS IN EFFECT WHICH INCLUDES THE COASTAL AREAS OF RHODE ISLAND - MASSACHUSETTS - NEW HAMPSHIRE - MAINE - NEW BRUNSWICK - NOVA SCOTIA AND NEWFOUNDLAND FROM WATCH HILL RHODE ISLAND TO LA MANCHE

NEWFOUNDLAND...

TSUNAMI WARNINGS MEAN THAT A TSUNAMI WITH SIGNIFICANT WIDESPREAD INUNDATION IS IMMINENT OR EXPECTED. TSUNAMIS ARE A SERIES OF WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED SITES IN THE WARNING ARE PROVIDED BELOW.

LOCKEPORT-NS	1429	ADT APR 2	BOSTON-MA	1535	EDT APR 2
SCATARIE IS-NS	1522	ADT APR 2	GRAND MANAN-NB	1543	ADT APR 2
PORLTAND-ME	1516	EDT APR 2	ST LAWRENCE-NL	1553	NDT APR 2

FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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AMZ712-715-725-735-742-745-PRZ001>003-005-007-008-010-011-
VIZ001-002-022335-

COASTAL AREAS OF PUERTO RICO AND THE VIRGIN ISLANDS.
635 PM AST THU APR 2 2009

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR PUERTO RICO AND THE VIRGIN ISLANDS...

TSUNAMI ADVISORIES MEAN THAT A TSUNAMI CAPABLE OF PRODUCING STRONG CURRENTS OR WAVES DANGEROUS TO PERSONS IN OR VERY NEAR WATER IS IMMINENT OR EXPECTED. SIGNIFICANT WIDESPREAD INUNDATION IS NOT EXPECTED FOR AREAS IN AN ADVISORY. TSUNAMIS ARE A SERIES OF WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED SITES IN THE ADVISORY ARE PROVIDED BELOW.

FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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ANZ081-022335-
COASTAL AREAS FROM LA MANCHE NEWFOUNDLAND TO CAPE CHIDLEY
LABRADOR
635 PM AST THU APR 2 2009

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR THE COASTAL AREAS OF NEWFOUNDLAND AND LABRADOR FROM LA MANCHE NEWFOUNDLAND TO CAPE CHIDLEY LABRADOR...

TSUNAMI ADVISORIES MEAN THAT A TSUNAMI CAPABLE OF PRODUCING STRONG CURRENTS OR WAVES DANGEROUS TO PERSONS IN OR VERY NEAR WATER IS IMMINENT OR EXPECTED. SIGNIFICANT WIDESPREAD INUNDATION

IS NOT EXPECTED FOR AREAS IN AN ADVISORY. TSUNAMIS ARE A SERIES OF WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED SITES IN THE ADVISORY ARE PROVIDED BELOW.

BONAVISTA-NL 1733 NDT APR 2 BATTLE HARBOR-NL 1756 NDT APR 2
FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE
WCATWC.ARH.NOAA.GOV

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WCATWC Message #13

WEXX20 PAAQ 022335
TSUAT1

BULLETIN

TEST...TSUNAMI MESSAGE NUMBER 13...TEST
NWS WEST COAST/ALASKA TSUNAMI WARNING CENTER PALMER AK
735 PM AST THU APR 2 2009

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR THE COASTAL AREAS OF
NEW BRUNSWICK - NOVA SCOTIA - NEWFOUNDLAND AND LABRADOR
FROM THE U.S.-CANADA BORDER TO CAPE CHIDLEY LABRADOR...

...THE TEST TSUNAMI WARNING/WATCH/ADVISORY STATUS IS CANCELED
FOR PUERTO RICO AND THE VIRGIN ISLANDS...

...THE TEST TSUNAMI WARNING/WATCH/ADVISORY STATUS IS CANCELED
FOR THE COASTAL AREAS FROM WATCH HILL RHODE ISLAND TO
THE U.S.-CANADA BORDER...

RECOMMENDED ACTIONS

A TSUNAMI HAS BEEN GENERATED WHICH COULD CAUSE DAMAGE TO THE
WARNING AND/OR ADVISORY REGIONS LISTED IN THE HEADLINE. PERSONS
IN LOW-LYING COASTAL AREAS SHOULD BE ALERT TO INSTRUCTIONS FROM
THEIR LOCAL EMERGENCY OFFICIALS. EVACUATIONS ARE ONLY ORDERED BY
EMERGENCY RESPONSE AGENCIES.

- PERSONS IN TSUNAMI ADVISORY AREAS SHOULD MOVE OUT OF THE
WATER... OFF THE BEACH AND OUT OF HARBORS AND MARINAS.

THIS MESSAGE IS BASED ON EARTHQUAKE DATA... OBSERVED TSUNAMI
AMPLITUDES... HISTORICAL INFORMATION AND FORECAST MODELS.

TSUNAMI AMPLITUDES HAVE DROPPED BELOW DANGER THRESHOLDS FOR MOST
OF THE PUERTO RICO AND VIRGIN ISLAND REGIONS. TSUNAMI AMPLITUDES
HAVE ALSO DECREASED TO BELOW DANGER THRESHOLDS FOR MOST AREAS IN
THE U.S. ATLANTIC COAST. THE TSUNAMI WARNING/ADVISORY IS CANCELLED
IN THESE ZONES. LOCAL EMERGENCY OFFICIALS WILL PROVIDE THE ALL
CLEAR FOR THESE REGIONS BASED ON LOCAL OBSERVATIONS. THE TSUNAMI
WARNING HAS BEEN DOWNGRADED TO AND ADVISORY FOR NOVA SCOTIA AND
NEWFOUNDLAND DUE TO THE DECREASE IN WAVE AMPLITUDES TO BELOW 1
METER. DANGER DUE TO STRONG CURRENTS STILL EXISTS IN REGIONS
UNDER ADVISORY.

PRELIMINARY EARTHQUAKE PARAMETERS

MAGNITUDE - 8.6
TIME - 0900 EDT APR 02 2009
0900 AST APR 02 2009
1300 UTC APR 02 2009

LOCATION - 19.0 NORTH 65.0 WEST
65 MILES/105 KM NE OF FAJARDO PUERTO RICO
80 MILES/129 KM NE OF SAN JUAN PUERTO RICO
DEPTH - 12 MILES/20 KM

THE PACIFIC TSUNAMI WARNING CENTER IN EWA BEACH HAWAII WILL ISSUE MESSAGES FOR AREAS IN THE CARIBBEAN OUTSIDE PUERTO RICO AND THE VIRGIN ISLANDS.

TSUNAMI ADVISORIES MEAN THAT A TSUNAMI CAPABLE OF PRODUCING STRONG CURRENTS OR WAVES DANGEROUS TO PERSONS IN OR VERY NEAR THE WATER IS IMMINENT OR EXPECTED. SIGNIFICANT WIDESPREAD INUNDATION IS NOT EXPECTED FOR AREAS UNDER AN ADVISORY. CURRENTS MAY BE HAZARDOUS TO SWIMMERS... BOATS... AND COASTAL STRUCTURES AND MAY CONTINUE FOR SEVERAL HOURS AFTER THE INITIAL WAVE ARRIVAL.

THIS MESSAGE WILL BE UPDATED IN 60 MINUTES OR SOONER IF THE SITUATION WARRANTS. THE TSUNAMI MESSAGE WILL REMAIN IN EFFECT UNTIL FURTHER NOTICE. REFER TO THE INTERNET SITE WCATWC.ARH.NOAA.GOV FOR MORE INFORMATION.

ANZ081-030035-
COASTAL AREAS FROM THE U.S.-CANADA BORDER TO CAPE CHIDLEY
LABRADOR
735 PM AST THU APR 2 2009

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR THE COASTAL AREAS OF NEW BRUNSWICK - NOVA SCOTIA - NEWFOUNDLAND AND LABRADOR FROM THE U.S.-CANADA BORDER TO CAPE CHIDLEY LABRADOR...

TSUNAMI ADVISORIES MEAN THAT A TSUNAMI CAPABLE OF PRODUCING STRONG CURRENTS OR WAVES DANGEROUS TO PERSONS IN OR VERY NEAR WATER IS IMMINENT OR EXPECTED. SIGNIFICANT WIDESPREAD INUNDATION IS NOT EXPECTED FOR AREAS IN AN ADVISORY. TSUNAMIS ARE A SERIES OF WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED SITES IN THE ADVISORY ARE PROVIDED BELOW.

LOCKEPORT-NS	1429	ADT APR 2	GRAND MANAN-NB	1543	ADT APR 2
SCATARIE IS-NS	1522	ADT APR 2	BONAVISTA-NL	1733	NDT APR 2
ST LAWRENCE-NL	1553	NDT APR 2	BATTLE HARBOR-NL	1756	NDT APR 2

FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE WCATWC.ARH.NOAA.GOV

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WCATWC Message #14

WEXX20 PAAQ 030035
TSUAT1

BULLETIN

TEST...TSUNAMI MESSAGE NUMBER 14...TEST
NWS WEST COAST/ALASKA TSUNAMI WARNING CENTER PALMER AK
835 PM AST THU APR 2 2009

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR THE COASTAL AREAS OF
NEW BRUNSWICK - NOVA SCOTIA - NEWFOUNDLAND AND LABRADOR
FROM THE U.S.-CANADA BORDER TO CAPE CHIDLEY LABRADOR...

...THIS TEST MESSAGE IS INFORMATION ONLY FOR U.S. AND CANADIAN
ATLANTIC AND GULF OF MEXICO COASTAL REGIONS NOT INCLUDED IN
THE AREAS LISTED ABOVE...

RECOMMENDED ACTIONS

A TSUNAMI HAS BEEN GENERATED WHICH COULD CAUSE DAMAGE TO THE
WARNING AND/OR ADVISORY REGIONS LISTED IN THE HEADLINE. PERSONS
IN LOW-LYING COASTAL AREAS SHOULD BE ALERT TO INSTRUCTIONS FROM
THEIR LOCAL EMERGENCY OFFICIALS. EVACUATIONS ARE ONLY ORDERED BY
EMERGENCY RESPONSE AGENCIES.

- PERSONS IN TSUNAMI ADVISORY AREAS SHOULD MOVE OUT OF THE
WATER... OFF THE BEACH AND OUT OF HARBORS AND MARINAS.

THIS MESSAGE IS BASED ON EARTHQUAKE DATA... OBSERVED TSUNAMI
AMPLITUDES... HISTORICAL INFORMATION AND FORECAST MODELS.

TSUNAMI DANGER CONTINUES ALONG THE EASTERN COAST OF CANADA DUE TO
THE ONGOING TSUNAMI WHICH IS STILL PRODUCING DANGEROUS CURRENTS
ALONG COASTAL REGIONS. NO INUNDATING WAVES ARE EXPECTED AT THIS
POINT. RESIDENTS SHOULD STAY AWAY FROM EVACUATED AREAS UNTIL AN
ALL CLEAR IS DECLARED BY LOCAL OFFICIALS.

PRELIMINARY EARTHQUAKE PARAMETERS

MAGNITUDE - 8.6

TIME - 0900 EDT APR 02 2009
0900 AST APR 02 2009
1300 UTC APR 02 2009

LOCATION - 19.0 NORTH 65.0 WEST
65 MILES/105 KM NE OF FAJARDO PUERTO RICO
80 MILES/129 KM NE OF SAN JUAN PUERTO RICO

DEPTH - 12 MILES/20 KM

THE PACIFIC TSUNAMI WARNING CENTER IN EWA BEACH HAWAII WILL
ISSUE MESSAGES FOR AREAS IN THE CARIBBEAN OUTSIDE PUERTO RICO
AND THE VIRGIN ISLANDS.

TSUNAMI ADVISORIES MEAN THAT A TSUNAMI CAPABLE OF PRODUCING STRONG CURRENTS OR WAVES DANGEROUS TO PERSONS IN OR VERY NEAR THE WATER IS IMMINENT OR EXPECTED. SIGNIFICANT WIDESPREAD INUNDATION IS NOT EXPECTED FOR AREAS UNDER AN ADVISORY. CURRENTS MAY BE HAZARDOUS TO SWIMMERS... BOATS... AND COASTAL STRUCTURES AND MAY CONTINUE FOR SEVERAL HOURS AFTER THE INITIAL WAVE ARRIVAL.

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ANZ081-030135-

COASTAL AREAS FROM THE U.S.-CANADA BORDER TO CAPE CHIDLEY

LABRADOR

835 PM AST THU APR 2 2009

...A TEST TSUNAMI ADVISORY IS IN EFFECT FOR THE COASTAL AREAS OF NEW BRUNSWICK - NOVA SCOTIA - NEWFOUNDLAND AND LABRADOR FROM THE U.S.-CANADA BORDER TO CAPE CHIDLEY LABRADOR...

TSUNAMI ADVISORIES MEAN THAT A TSUNAMI CAPABLE OF PRODUCING STRONG CURRENTS OR WAVES DANGEROUS TO PERSONS IN OR VERY NEAR WATER IS IMMINENT OR EXPECTED. SIGNIFICANT WIDESPREAD INUNDATION IS NOT EXPECTED FOR AREAS UNDER AN ADVISORY. TSUNAMIS ARE A SERIES OF WAVES POTENTIALLY DANGEROUS SEVERAL HOURS AFTER INITIAL ARRIVAL TIME. ESTIMATED TIMES OF INITIAL WAVE ARRIVAL FOR SELECTED SITES IN THE ADVISORY ARE PROVIDED BELOW.

LOCKEPORT-NS	1429	ADT APR 2	GRAND MANAN-NB	1543	ADT APR 2
SCATARIE IS-NS	1522	ADT APR 2	BONAVISTA-NL	1733	NDT APR 2
ST LAWRENCE-NL	1553	NDT APR 2	BATTLE HARBOR-NL	1756	NDT APR 2

FOR ARRIVAL TIMES AT ADDITIONAL LOCATIONS SEE WCATWC.ARH.NOAA.GOV

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WCATWC Message #15

WEXX20 PAAQ 030135
TSUAT1

BULLETIN

TEST...TSUNAMI MESSAGE NUMBER 15...TEST
NWS WEST COAST/ALASKA TSUNAMI WARNING CENTER PALMER AK
935 PM AST THU APR 2 2009

...THE TEST TSUNAMI ADVISORY IS CANCELED FOR THE COASTS OF NEW
BRUNSWICK - NOVA SCOTIA - NEWFOUNDLAND AND LABRADOR...

EVALUATION

DAMAGING TSUNAMIS ARE NO LONGER EXPECTED ALONG THE ATLANTIC
COASTS OF THE U.S. AND CANADA. AS LOCAL CONDITIONS CAN CAUSE
A WIDE VARIATION IN TSUNAMI WAVE ACTION THE ALL CLEAR
DETERMINATIONS MUST BE MADE BY LOCAL AUTHORITIES.

TSUNAMI AMPLITUDES HAVE DROPPED BELOW DANGEROUS LEVELS AT MOST
LOCATIONS ALONG THE U.S. AND CANADIAN ATLANTIC COAST. SEA
LEVEL CONDITIONS STILL VARY GREATLY FROM LOCATION TO LOCATION
ALONG THE COAST. DECISIONS RELATING TO REOCCUPATION OF COASTAL
ZONES MUST BE MADE BY LOCAL AUTHORITIES.

THIS TSUNAMI HAS PRODUCED A LARGE AMOUNT OF DAMAGE IN PUERTO
RICO AND THE U.S. VIRGIN ISLANDS AS WELL AS ALONG THE U.S. AND
CANADIAN ATLANTIC COASTS. THE TSUNAMI IS STILL BEING RECORDED
BY GAGES ALONG THE COAST THOUGH THE AMPLITUDE IS BELOW DANGER
LEVELS IN LOCATIONS WHERE IT CAN BE MEASURED.

PRELIMINARY EARTHQUAKE PARAMETERS

MAGNITUDE - 8.6
TIME - 0900 EDT APR 02 2009
0900 AST APR 02 2009
1300 UTC APR 02 2009
LOCATION - 19.0 NORTH 65.0 WEST
65 MILES/105 KM NE OF FAJARDO PUERTO RICO
80 MILES/129 KM NE OF SAN JUAN PUERTO RICO
DEPTH - 12 MILES/20 KM

THE PACIFIC TSUNAMI WARNING CENTER IN EWA BEACH HAWAII WILL
ISSUE MESSAGES FOR AREAS IN THE CARIBBEAN OUTSIDE PUERTO RICO
AND THE VIRGIN ISLANDS.

THIS WILL BE THE LAST WEST COAST/ALASKA TSUNAMI WARNING
CENTER MESSAGE ISSUED FOR THIS EVENT.
THIS INFORMATION IS ALSO POSTED AT WCATWC.ARH.NOAA.GOV.

ANZ081-030235-

COASTAL AREAS OF NEW BRUNSWICK - NOVA SCOTIA - NEWFOUNDLAND
AND LABRADOR.

935 PM AST THU APR 2 2009

...THE TEST TSUNAMI ADVISORY IS CANCELED FOR THE COASTS OF NEW
BRUNSWICK - NOVA SCOTIA - NEWFOUNDLAND AND LABRADOR...

REPEAT - THE TSUNAMI ADVISORY IS CANCELED.

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Anejo E.- Productos en Línea

Durante un evento, el WCATWC anuncia en su sitio de internet sus productos gráficos y en línea. Este anexo contiene algunos ejemplos. El primero de éstos es el mensaje de texto en formato html con enlaces en línea incluidos.

A: EUA, el área de Canadá en el Atlántico y las regiones costeras del Golfo de México

De: NOAA/NWS/Centro de Aviso de Tsunami de Alaska y la Costa Oeste

**Asunto: Prueba... Aviso de Tsunami (maremoto) # 1 emitido el 12/11/2008 a las 2:17 AM AST...
Prueba.**

Una Prueba de Aviso de Tsunami entra en vigor para Puerto Rico y las Islas Vírgenes.

Este es un mensaje de información solamente para EUA, el área de Canadá en el Atlántico y las regiones costeras del Golfo de México no incluidas en las áreas listadas anteriormente.

Un Aviso de tsunami significa que todos los residentes de la costa en el área de aviso, que están cerca de la playa o en las regiones bajas deben moverse inmediatamente a áreas altas y lejos de los puertos e isletas, inclusive aquellos lugares protegidos directamente del mar. Quiénes sientan la tierra temblar, vean oleajes inusuales y/o aumento o disminución del nivel del agua, podrían tener sólo unos pocos minutos antes de la llegada del tsunami y deben alejarse inmediatamente. Las residencias y edificios pequeños no están diseñados para resistir los impactos de un tsunami. No permanezca en estas estructuras.

Todos los residentes dentro del área bajo aviso deberían ser informados mediante instrucciones emitidas desde las autoridades civiles locales. Este aviso está basado solamente en información de terremoto- el tsunami todavía no ha sido confirmado.

A las 9:00 AM del 2 de abril en Horario Estándar del Atlántico, un terremoto de magnitud preliminar 8.6 ocurrió a 65 millas/105 km al noreste de Fajardo, Puerto Rico. (Refiérase al Servicio Geológico de los Estados Unidos o la Red Sísmica de Puerto Rico, para los parámetros oficiales de terremotos.) Este terremoto podría haber generado un tsunami. Si se ha generado un tsunami, las olas llegarían primero a San Juan, Puerto Rico a las 9:17 AM AST el 2 de abril. Los mapas y las horas estimadas de la llegada del tsunami, junto con las reglas de seguridad e información adicional pueden conseguirse en el sitio de internet del WCATWC.

Los tsunamis pueden ser olas peligrosas mortales. La altura de las olas son amplificadas por orillas irregulares y son difíciles de pronosticar. Frecuentemente los tsunamis parecen ser fuertes oleajes y podrían ser precedidos por una disminución del nivel del mar. Los marineros en aguas de 600 pies o más no deberían ser afectados por un tsunami. La altura de las olas aumentará rápidamente al acercarse a áreas poco profundas. Los tsunamis son una serie de olas en el océano que podrían ser peligrosas por varias horas después de la llegada de la primera ola. **NO** regrese a las áreas desalojadas hasta que las autoridades civiles locales anuncien el final del peligro y que es seguro.

El Centro de Aviso de Tsunami del Pacífico en la playa Ewa en Hawaii emitirá mensajes para las áreas del Caribe aparte de Puerto Rico y las Islas Vírgenes.

Este mensaje será actualizado en o antes de 30 minutos si la situación lo amerita. El mensaje de tsunami permanecerá en efecto hasta nuevo aviso. Para más información manténgase sintonizado al Radio del Tiempo NOAA, estaciones de radio o TV locales, o vea el sitio de internet de WCATWC.

[Enlace para Mensaje de Aviso Estándar](#)

[Enlace para Mensaje de Aviso Público](#)

[Enlace para Mensaje XML/CAP](#)

Ejemplo de la lista del tiempo de recorrido de un tsunami.

La siguiente lista da los tiempos estimados de arribo para las localizaciones en EUA y la costa atlántica de Canadá de un tsunami generado en una localización determinada. La lista está ordenada cronológicamente. Dado que la distancia del tsunami está directamente relacionada a la profundidad del agua, los tiempos estimados de arribo de un tsunami pueden ser computados independientemente de la amplitud del tsunami. LA LISTA DEL TIEMPO DE ARRIBO DEL TSUNAMI NO INDICA QUE LA OLA ES INMINENTE. La lista de tiempo de arribo es la llegada de la primera ola. Los tsunamis pueden ser peligrosos por muchas horas después de su arribo, y la primera ola no es necesariamente la más alta.

Datos:

Lat: 19N

Lon: 65W

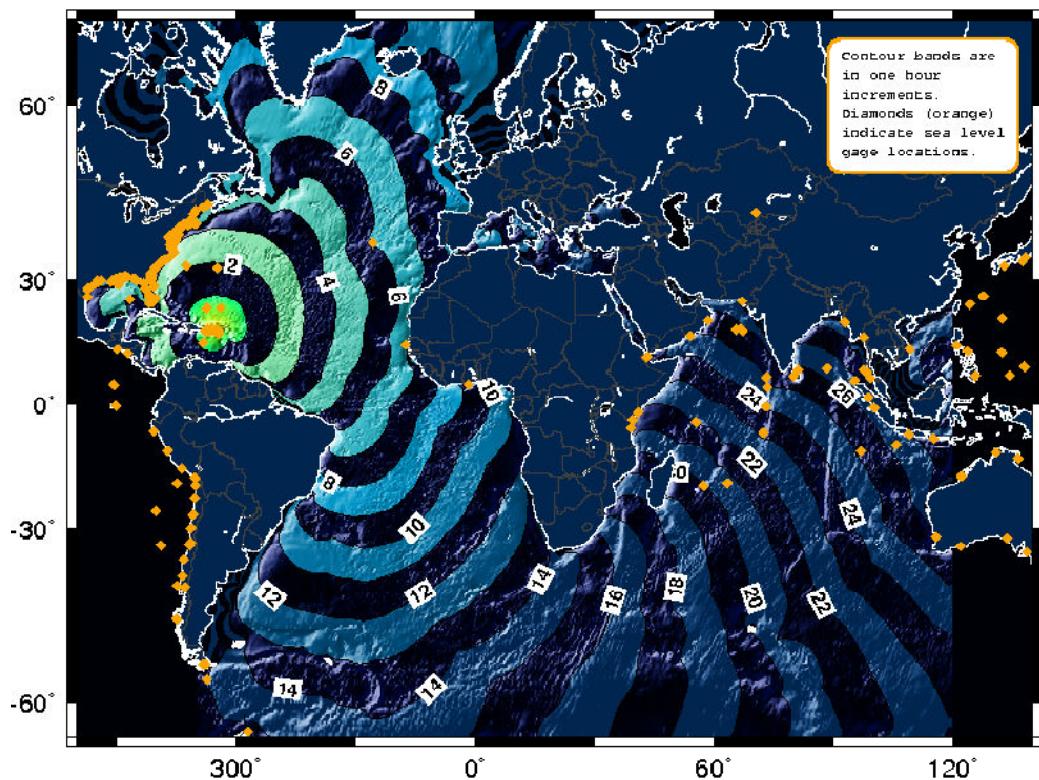
Mag: 8.6

O-time:130 UTC

Fecha: 2 de abril

Tiempos estimados del arribo del primer tsunami:

Un ejemplo de un mapa de viaje de tsunami está presentado abajo:



Un ejemplo de una lista de viaje de tsunami está presentado abajo:

San Juan, Puerto Rico	0917 AST APR 2	1317 UTC APR 2
Virgin Gorda, British Virgin Is.	0920 EDT APR 2	1320 UTC APR 2
Aguadilla, Puerto Rico	0925 AST APR 2	1325 UTC APR 2
Christiansted, U.S. Virgin Is	0928 AST APR 2	1328 UTC APR 2
Mona Island, Puerto Rico	0933 AST APR 2	1333 UTC APR 2
Lameshur Bay, U.S. Virgin Islands	0934 AST APR 2	1334 UTC APR 2
Vieques Is., Puerto Rico	0934 AST APR 2	1334 UTC APR 2
Limetree Bay, U.S. Virgin Is.	0935 AST APR 2	1335 UTC APR 2
DART 41421	0935 EDT APR 2	1335 UTC APR 2
Mayaguez, Puerto Rico	0936 AST APR 2	1336 UTC APR 2
Culebra, Puerto Rico	0939 AST APR 2	1339 UTC APR 2
DART 41420	0939 EDT APR 2	1339 UTC APR 2
Charlotte Amalie, U.S. Virgin Is	0941 AST APR 2	1341 UTC APR 2
Magueyes Island, Puerto Rico	0953 AST APR 2	1353 UTC APR 2
Samana Cay, Bahamas	1015 EDT APR 2	1415 UTC APR 2
Guantanamo Bay, Cuba	1029 EDT APR 2	1429 UTC APR 2
Bermuda	1057 EDT APR 2	1457 UTC APR 2
DART 41424	1102 EDT APR 2	1502 UTC APR 2
Settlement Point, Bahamas	1125 EDT APR 2	1525 UTC APR 2

Virginia Key, Florida	1153 EDT APR 2	1553 UTC APR 2
Jupiter Inlet, Florida	1155 EDT APR 2	1555 UTC APR 2
DART 44402	1156 EDT APR 2	1556 UTC APR 2
DART 44401	1159 EDT APR 2	1559 UTC APR 2
Ocean Reef, Florida	1205 EDT APR 2	1605 UTC APR 2
Miami, Florida	1208 EDT APR 2	1608 UTC APR 2
Cape Hatteras, North Carolina	1208 EDT APR 2	1608 UTC APR 2
Cancun, Mexico	1121 CDT APR 2	1621 UTC APR 2
Oregon Inlet, North Carolina	1232 EDT APR 2	1632 UTC APR 2
DART 42408	1241 EDT APR 2	1641 UTC APR 2
Key West, Florida	1251 EDT APR 2	1651 UTC APR 2
Beaufort, North Carolina	1254 EDT APR 2	1654 UTC APR 2
Vaca Key, Florida	1258 EDT APR 2	1658 UTC APR 2
Duck, North Carolina	1303 EDT APR 2	1703 UTC APR 2
Trident Pier, Florida	1304 EDT APR 2	1704 UTC APR 2
Currituck Beach Lighthouse, NC	1308 EDT APR 2	1708 UTC APR 2
Ocean City, Maryland	1321 EDT APR 2	1721 UTC APR 2
Melbourne, Florida	1323 EDT APR 2	1723 UTC APR 2
Lockeport, Nove Scotia	1429 ADT APR 2	1729 UTC APR 2
Wrightsville Beach, North Carolina	1330 EDT APR 2	1730 UTC APR 2
Surf City, North Carolina	1330 EDT APR 2	1730 UTC APR 2
Montauk Point, New York	1338 EDT APR 2	1738 UTC APR 2
South Santee River, South Carolina	1340 EDT APR 2	1740 UTC APR 2
Pilots Station East, Louisiana	1241 CDT APR 2	1741 UTC APR 2
Virginia Beach, Virginia	1342 EDT APR 2	1742 UTC APR 2
Flagler Beach, Florida	1348 EDT APR 2	1748 UTC APR 2
Fire Island Light, New York	1348 EDT APR 2	1748 UTC APR 2
Cape Henlopen, Delaware	1348 EDT APR 2	1748 UTC APR 2
Atlantic City, New Jersey	1348 EDT APR 2	1748 UTC APR 2
Watch Hill, Rhode Island	1350 EDT APR 2	1750 UTC APR 2
Lewes, Delaware	1351 EDT APR 2	1751 UTC APR 2
Jacksonville Beach, Florida	1357 EDT APR 2	1757 UTC APR 2
Chesapeake Bridge, Virginia	1401 EDT APR 2	1801 UTC APR 2
Newport, Rhode Island	1402 EDT APR 2	1802 UTC APR 2
Woods Hole, Massachusetts	1403 EDT APR 2	1803 UTC APR 2
Myrtle Beach, South Carolina	1406 EDT APR 2	1806 UTC APR 2
Springmaid Pier, South Carolina	1408 EDT APR 2	1808 UTC APR 2
Sandy Hook, New Jersey	1410 EDT APR 2	1810 UTC APR 2
Charlesville, Nova Scotia	1510 ADT APR 2	1810 UTC APR 2
New London, Connecticut	1412 EDT APR 2	1812 UTC APR 2
Nantucket Island, Massachusetts	1414 EDT APR 2	1814 UTC APR 2
Yarmouth, Nova Scotia	1515 ADT APR 2	1815 UTC APR 2
Chezzetcook, Nova Scotia	1515 ADT APR 2	1815 UTC APR 2
Charleston, South Carolina	1416 EDT APR 2	1816 UTC APR 2
Fernandina Beach, Florida	1417 EDT APR 2	1817 UTC APR 2
Halifax, Nova Scotia	1517 ADT APR 2	1817 UTC APR 2
Port Aux Basque, Newfoundland	1547 NDT APR 2	1817 UTC APR 2
Cape May, New Jersey	1418 EDT APR 2	1818 UTC APR 2

Savannah, Georgia	1418 EDT APR 2	1818 UTC APR 2
Cape Ray, Newfoundland	1551 NDT APR 2	1821 UTC APR 2
Flamingo, Florida	1422 EDT APR 2	1822 UTC APR 2
Scatarie Island, Nove Scotia	1522 ADT APR 2	1822 UTC APR 2
St Lawrence, Newfoundland	1553 NDT APR 2	1823 UTC APR 2
Kiptopeke, Virginia	1424 EDT APR 2	1824 UTC APR 2
Cutler NAS, Maine	1427 EDT APR 2	1827 UTC APR 2
Saint Pierre/Miquelon	1600 NDT APR 2	1830 UTC APR 2
Money Point, Virginia	1430 EDT APR 2	1830 UTC APR 2
Quonset Point, Rhode Island	1433 EDT APR 2	1833 UTC APR 2
Altamaha Sound, Georgia	1434 EDT APR 2	1834 UTC APR 2
Meat Cove, Nova Scotia	1535 ADT APR 2	1835 UTC APR 2
Grand Isle, Louisiana	1335 CDT APR 2	1835 UTC APR 2
Windmill Point, Virginia	1441 EDT APR 2	1841 UTC APR 2
St. Simons Is., Georgia	1441 EDT APR 2	1841 UTC APR 2
Bar Harbor, Maine	1442 EDT APR 2	1842 UTC APR 2
Argentia, Newfoundland	1612 NDT APR 2	1842 UTC APR 2
Grand Manan Is., New Brunswick	1543 ADT APR 2	1843 UTC APR 2
Destin, Florida	1344 CDT APR 2	1844 UTC APR 2
the U.S.-Canada border	1446 EDT APR 2	1846 UTC APR 2
North Sydney, Nova Scotia	1550 ADT APR 2	1850 UTC APR 2
New Point Comfort, Virginia	1452 EDT APR 2	1852 UTC APR 2
Port Fourchon, Louisiana	1353 CDT APR 2	1853 UTC APR 2
Alvarado, Mexico	1357 CDT APR 2	1857 UTC APR 2
Fort Point, New Hampshire	1457 EDT APR 2	1857 UTC APR 2
Panama City, Florida	1358 CDT APR 2	1858 UTC APR 2
La Manche, Newfoundland	1628 NDT APR 2	1858 UTC APR 2
Stonington, Maine	1500 EDT APR 2	1900 UTC APR 2
Merrimack River, Massachusetts	1501 EDT APR 2	1901 UTC APR 2
Manhattan, New York	1504 EDT APR 2	1904 UTC APR 2
Saint John, New Brunswick	1606 ADT APR 2	1906 UTC APR 2
Ship John Shoal, New Jersey	1508 EDT APR 2	1908 UTC APR 2
Bergen Point, New Jersey	1508 EDT APR 2	1908 UTC APR 2
New Haven, Connecticut	1511 EDT APR 2	1911 UTC APR 2
Tampico, Mexico	1411 CDT APR 2	1911 UTC APR 2
Brownsville, Texas	1413 CDT APR 2	1913 UTC APR 2
Saint Johns, Newfoundland	1646 NDT APR 2	1916 UTC APR 2
Portland, Maine	1516 EDT APR 2	1916 UTC APR 2
Apalachicola, Florida	1422 CDT APR 2	1922 UTC APR 2
Yorktown, Virginia	1526 EDT APR 2	1926 UTC APR 2
Port Isabel, Texas	1427 CDT APR 2	1927 UTC APR 2
Bridgeport, Connecticut	1533 EDT APR 2	1933 UTC APR 2
Lewisetta, Virginia	1535 EDT APR 2	1935 UTC APR 2
Corpus Christi, Texas	1435 CDT APR 2	1935 UTC APR 2
Boston, Massachusetts	1535 EDT APR 2	1935 UTC APR 2
the Mississippi-Alabama border	1437 CDT APR 2	1937 UTC APR 2
Baffin Bay, Texas	1446 CDT APR 2	1946 UTC APR 2
Clearwater Beach, Florida	1547 EDT APR 2	1947 UTC APR 2

Providence, Rhode Island	1553 EDT APR 2	1953 UTC APR 2
Bonavista, Newfoundland	1733 NDT APR 2	2003 UTC APR 2
Harrington Harbour, Quebec	1710 ADT APR 2	2010 UTC APR 2
Port O'connor, Texas	1511 CDT APR 2	2011 UTC APR 2
Rock Port, Texas	1513 CDT APR 2	2013 UTC APR 2
Waveland, Mississippi	1514 CDT APR 2	2014 UTC APR 2
Freeport, Texas	1515 CDT APR 2	2015 UTC APR 2
Pointe Saint Pierre, Quebec	1716 ADT APR 2	2016 UTC APR 2
Battle Harbour, Labrador	1756 NDT APR 2	2026 UTC APR 2
Kings Point, New York	1629 EDT APR 2	2029 UTC APR 2
Naples, Florida	1637 EDT APR 2	2037 UTC APR 2
Holton Harbour, Newfoundland	1813 NDT APR 2	2043 UTC APR 2
Champoton, Mexico	1545 CDT APR 2	2045 UTC APR 2
Port Manatee, Florida	1646 EDT APR 2	2046 UTC APR 2
Bonita Beach, Florida	1649 EDT APR 2	2049 UTC APR 2
Galveston, Texas	1550 CDT APR 2	2050 UTC APR 2
St. Petersburg, Florida	1652 EDT APR 2	2052 UTC APR 2
Fort Myers, Florida	1652 EDT APR 2	2052 UTC APR 2
Biloxi, Mississippi	1555 CDT APR 2	2055 UTC APR 2
Suwannee River, Florida	1658 EDT APR 2	2058 UTC APR 2
Eugene Is., Louisiana	1558 CDT APR 2	2058 UTC APR 2
Boat Harbour, Newfoundland	1830 NDT APR 2	2100 UTC APR 2
Morgan City, Louisiana	1610 CDT APR 2	2110 UTC APR 2
Wood Islands, Prince Edward Is.	1813 ADT APR 2	2113 UTC APR 2
Lanse au Clair, Newfoundland	1843 NDT APR 2	2113 UTC APR 2
Sept Iles, Quebec	1814 ADT APR 2	2114 UTC APR 2
Cape Chidley, Labrador	1722 AST APR 2	2122 UTC APR 2
Nuuk, Greenland	1731 EDT APR 2	2131 UTC APR 2
Sabine Pass, Texas	1635 CDT APR 2	2135 UTC APR 2
Cedar Key, Florida	1735 EDT APR 2	2135 UTC APR 2
High Island, Texas	1636 CDT APR 2	2136 UTC APR 2
Hebron, Newfoundland	1847 ADT APR 2	2147 UTC APR 2
Escuminac, New Brunswick	1851 ADT APR 2	2151 UTC APR 2
Charlottetown, Prince Edward Is.	1856 ADT APR 2	2156 UTC APR 2
Nain, Newfoundland	1900 ADT APR 2	2200 UTC APR 2
Belledune, New Brunswick	1900 ADT APR 2	2200 UTC APR 2
Brevoort Harbour, Nunavut	1801 EDT APR 2	2201 UTC APR 2
Cape Dyer, Nunavut	1811 EDT APR 2	2211 UTC APR 2
Shediac, New Brunswick	2009 ADT APR 2	2309 UTC APR 2
Clyde River, Nunavut	1934 EDT APR 2	2334 UTC APR 2
Thule AFB, Greenland	2042 EDT APR 2	0042 UTC APR 3
Dundas Harbor, Nunavut	2050 EDT APR 2	0050 UTC APR 3

La siguiente gráfica es un ejemplo de un mapa de aviso/advertencia/vigilancia que será emitida en el boletín 5.



Apéndice F. Ejemplos de Divulgación de Noticias para los Medios Locales

FORMATO PARA LA DIVULGACIÓN DE NOTICIAS

ENDOSO DE LA AGENCIA ENCARGADA

Contacto: (nombre)	PARA DIVULGACIÓN INMEDIATA
(número de teléfono)	(fecha)
(dirección electrónica)	

EJERCICIO DE TSUNAMI (maremoto) PARA EL NOROESTE DEL ATLÁNTICO A LLEVARSE A CABO EL 2 DE ABRIL DE 2009

(Incluya comunidad/país/nombre del estado) participará junto con otras localidades en el noroeste del Atlántico en el ejercicio de respuesta de tsunami del 2 de abril de 2009. El propósito de este ejercicio es evaluar los planes de respuesta de tsunamis locales, incrementar la preparación en caso de tsunami y mejorar la coordinación a través de la región.

(Incluya el comentario promocional de una oficina local como por ejemplo "El tsunami del Océano Índico en el 2004 trajo a la atención del mundo la necesidad urgente de estar mejor preparados para tales eventos," informó (incluya el nombre de la agencia oficial apropiada). "Este importante ejercicio evaluará los procedimientos actuales del Sistema de Aviso de tsunami y ayudará a identificar las fortalezas y las debilidades operacionales en cada comunidad." (Favor de modificar la autenticidad.)

El ejercicio, titulado LANTEX 09, simulará una situación extensa de Aviso y Advertencia de tsunami en todo Estados Unidos y las costas canadienses en el noroeste del Atlántico que requieran la implementación de planes de respuesta de tsunamis locales. Este es el primer ejercicio que incluye todos los estados del atlántico, provincias, territorios y estados libre asociados. El ejercicio ("incluirá" o "no incluirá") notificación pública.

El ejercicio simulará un terremoto grande y un tsunami generado al norte de Puerto Rico que ocurre a las 9:00 am Horario Diurno del Este (o el horario local apropiado) el 2 de abril de 2009. A los participantes del ejercicio se les proveerá un manual que describe el escenario y contiene los mensajes de tsunami por el Centro de Aviso de Tsunami de Alaska/Costa Oeste (WCATWC). El WCATWC es responsable de proveer los mensajes de aviso de tsunami a las costas atlánticas de E.U., Canadá, las costas del Golfo de México, Puerto Rico y las Islas Vírgenes.

Incluya un párrafo establecido para la comunidad específica. Podrían identificarse agencias participantes y planes específicos. Podrían describirse programas de aviso anticipado, ejercicios de tsunamis pasados (si alguno), programas consecutivos de educación pública y de mitigación y otros. Podrían describir amenazas de tsunami, la historia de los peligros de tsunami, si alguno.

Si alguna amenaza real de tsunami ocurre durante el periodo del ejercicio, el mismo será cancelado.

El ejercicio es patrocinado por la Administración Atmosférica y Oceánica Nacional de EUA (NOAA) y por el Programa de Mitigación de Peligros Nacional de Tsunamis de EUA (NTHMP – una sociedad de 28 estados y territorios, y tres agencias federales). Para más información del sistema de aviso de tsunami de EUA, vea www.tsunami.gov. Para más información de NTHMP, vea nthmp.tsunami.gov.

En Línea:

Centro de Aviso de Tsunami de Alaska/Costa Oeste <http://wcatwc.arh.noaa.gov>

Centro de Aviso de Tsunami del Pacífico <http://www.prh.noaa.gov/ptwc>

Programa de Tsunami NOAA <http://tsunami.noaa.gov>

<http://tsunami.gov>

NTHMP: <http://nthmp.tsunami.gov>

Incluya respuesta URL de emergencia local/estatal

Anejo G. Evaluación del Ejercicio LANTEX 09. Esta evaluación permanecerá en inglés.

All participating agencies are requested to provide brief feedback on the exercise. This feedback will assist the NTHMP and NOAA in the evaluation of LANTEX 09 and the development of subsequent exercises.

Please fill out and return the form by May 1, 2009 to:

WCATWC Director
NOAA/West Coast/Alaska Tsunami Warning Center
910 South Felton Street
Palmer, Alaska 99645

FAX: 907-745-6071

Or scanned and emailed to paul.whitmore@noaa.gov.

LANTEX 09 Tsunami Response Exercise
Evaluation Form
For Official Use Only

Participant Location: _____

Participant Agency: _____

Agency Contact Information:

Name: _____

Address: _____

City, State, Zip: _____

Phone: _____

Email: _____

Please answer the following questions and provide any suggestions.

Was the exercise format satisfactory?

Did you receive the “dummy” message from the WCATWC to start the exercise? If so, through what channel(s) and approximately what time was it received?

Was the content and intention of the tsunami messages clear?

Should any other content be added to the messages, or was any superfluous?

Did your agency have a tsunami response plan in place prior to the exercise?

If so, was the response plan adequate to address the event?

Were the emergency management actions during the event clearly laid out by the plan?

During a real event, how is the local population notified of any tsunami danger?

Was any feedback received from the public?

Are the potential tsunami danger zones known in your area?

Was the exercise helpful in validating the response plan or showing that it was not sufficient?