Componentes de un Boletín de Tsunami del PTWC

Bernardo Aliaga
UNESCO IOC
19:00 UTC  29 novembre 2007

TSUNAMI STATEMENT NUMBER 1
NWS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI
1909 UTC THU NOV 29 2007

THIS STATEMENT APPLIES TO COUNTRIES WITHIN AND BORDERING THE CARIBBEAN SEA...EXCEPT FOR PUERTO RICO AND THE VIRGIN ISLANDS.

... TSUNAMI INFORMATION STATEMENT ...
THIS MESSAGE IS FOR INFORMATION ONLY.

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

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS

ORIGIN TIME - 1900Z 29 NOV 2007
COORDINATES - 15.0 NORTH    61.3 WEST
DEPTH      - 142 KM
LOCATION    - LEEWARD ISLANDS
MAGNITUDE   - 7.3

EVALUATION

A DESTRUCTIVE TSUNAMI WAS NOT GENERATED BASED ON EARTHQUAKE AND HISTORICAL TSUNAMI DATA. THIS EARTHQUAKE IS LOCATED TOO DEEP INSIDE THE EARTH TO GENERATE A TSUNAMI IN THE CARIBBEAN.

THIS WILL BE THE ONLY PRODUCT ISSUED BY THE PACIFIC TSUNAMI WARNING CENTER FOR THIS EVENT UNLESS ADDITIONAL INFORMATION BECOMES AVAILABLE.
TSUNAMI STATEMENT NUMBER 1
NWS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI
0950 UTC FRI FEB 08 2008

THIS STATEMENT APPLIES TO COUNTRIES WITHIN AND BORDERING THE
CARIBBEAN SEA...EXCEPT FOR PUERTO RICO AND THE VIRGIN ISLANDS.

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AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS

ORIGIN TIME - 0938Z 08 FEB 2008
COORDINATES - 10.8 NORTH 41.7 WEST
LOCATION - NORTHERN MID-ATLANTIC RIDGE
MAGNITUDE - 6.9

EVALUATION

A DESTRUCTIVE WIDESPREAD TSUNAMI THREAT DOES NOT EXIST BASED ON
HISTORICAL EARTHQUAKE AND TSUNAMI DATA.

HOWEVER - THERE IS THE SMALL POSSIBILITY OF A LOCAL TSUNAMI THAT
COULD AFFECT COASTS LOCATED USUALLY NO MORE THAN A HUNDRED
KILOMETERS FROM THE EARTHQUAKE EPICENTER. AUTHORITIES IN THE
REGION NEAR THE EPICENTER SHOULD BE MADE AWARE OF THIS
POSSIBILITY.

THIS WILL BE THE ONLY PRODUCT ISSUED BY THE PACIFIC TSUNAMI
WARNING CENTER FOR THIS EVENT UNLESS ADDITIONAL INFORMATION
BECOMES AVAILABLE.
8:25 UTC 28 mai 2009 - Message 1

TSUNAMI MESSAGE NUMBER 1
NWS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI
0833 UTC THU MAY 28 2009

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

... A LOCAL TSUNAMI WATCH IS IN EFFECT ...

A TSUNAMI WATCH IS IN EFFECT FOR

HONDURAS / BELIZE / GUATEMALA

FOR OTHER AREAS OF THE CARIBBEAN COVERED BY THIS MESSAGE...IT IS
FOR INFORMATION ONLY AT THIS TIME.

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NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE
DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND
ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS

ORIGIN TIME - 0825Z 28 MAY 2009
COORDINATES - 16.7 NORTH 86.3 WEST
LOCATION - NORTH OF HONDURAS
MAGNITUDE - 7.3
EVALUATION

A DESTRUCTIVE WIDESPREAD TSUNAMI THREAT DOES NOT EXIST BASED ON HISTORICAL EARTHQUAKE AND TSUNAMI DATA.

HOWEVER - THERE IS THE POSSIBILITY OF A LOCAL TSUNAMI THAT COULD AFFECT COASTS LOCATED USUALLY NO MORE THAN A HUNDRED KILOMETERS FROM THE EARTHQUAKE EPICENTER. AUTHORITIES FOR THE REGION NEAR THE EPICENTER SHOULD BE AWARE OF THIS POSSIBILITY. AREAS FURTHER FROM THE EPICENTER COULD EXPERIENCE SMALL SEA LEVEL CHANGES AND STRONG OR UNUSUAL COASTAL CURRENTS.

ESTIMATED INITIAL TSUNAMI WAVE ARRIVAL TIMES AT FORECAST POINTS WITHIN THE WARNING AND WATCH AREAS ARE GIVEN BELOW. ACTUAL ARRIVAL TIMES MAY DIFFER AND THE INITIAL WAVE MAY NOT BE THE LARGEST. A TSUNAMI IS A SERIES OF WAVES AND THE TIME BETWEEN SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR.

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<tr>
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<td>15.7N 88.6W</td>
<td>0919Z 28 MAY</td>
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ADDITIONAL BULLETINS WILL BE ISSUED BY THE PACIFIC TSUNAMI WARNING CENTER FOR THIS EVENT AS MORE INFORMATION BECOMES AVAILABLE.
THIS MESSAGE APPLIES TO COUNTRIES WITHIN AND BORDERING THE CARIBBEAN SEA...EXCEPT FOR PUERTO RICO AND THE VIRGIN ISLANDS.

... THE TSUNAMI WATCH IS CANCELLED ...

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

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS

ORIGIN TIME - 0825Z 28 MAY 2009
COORDINATES - 16.7 NORTH  86.3 WEST
LOCATION    - NORTH OF HONDURAS
MAGNITUDE   - 7.3
EVALUATION

EARTHQUAKES OF THIS SIZE HAVE THE POTENTIAL TO GENERATE DESTRUCTIVE TSUNAMI WAVES...USUALLY WITHIN A HUNDRED KILOMETERS OF THE EPICENTER.

THIS CENTER DOES NOT HAVE ACCESS TO ANY REAL-TIME SEA LEVEL GAUGES IN THE REGION THAT WOULD BE USED TO QUICKLY DETECT AND EVALUATE THE TSUNAMI IF ONE WERE PRESENT. HOWEVER...ENOUGH TIME HAS PASSED THAT ANY NEARBY AREAS SHOULD ALREADY HAVE BEEN IMPACTED. THEREFORE THIS CENTER IS CANCELLING THE TSUNAMI WATCH IT ISSUED EARLIER.

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

THIS WILL BE THE FINAL PRODUCT ISSUED BY THE PACIFIC TSUNAMI WARNING CENTER FOR THIS EVENT UNLESS ADDITIONAL INFORMATION BECOMES AVAILABLE.
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WECA41 PHEB 122203
TSUCAX

TSUNAMI MESSAGE NUMBER 1
NWS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI
2203 UTC TUE JAN 12 2010

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

... A LOCAL TSUNAMI WATCH IS IN EFFECT ...

A TSUNAMI WATCH IS IN EFFECT FOR

HAITI / CUBA / BAHAMAS / DOMINICAN REP

FOR OTHER AREAS OF THE CARIBBEAN COVERED BY THIS MESSAGE...IT IS
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ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS

ORIGIN TIME - 2153Z 12 JAN 2010
COORDINATES - 18.5 NORTH  72.5 WEST
LOCATION    -  HAITI REGION
MAGNITUDE   -  7.3
EVALUATION

A DESTRUCTIVE WIDESPREAD TSUNAMI THREAT DOES NOT EXIST BASED ON HISTORICAL EARTHQUAKE AND TSUNAMI DATA.

HOWEVER - THERE IS THE POSSIBILITY OF A LOCAL TSUNAMI THAT COULD AFFECT COASTS LOCATED USUALLY NO MORE THAN A HUNDRED KILOMETERS FROM THE EARTHQUAKE EPICENTER. AUTHORITIES FOR THE REGION NEAR THE EPICENTER SHOULD BE AWARE OF THIS POSSIBILITY. AREAS FURTHER FROM THE EPICENTER COULD EXPERIENCE SMALL SEA LEVEL CHANGES AND STRONG OR UNUSUAL COASTAL CURRENTS.

ESTIMATED INITIAL TSUNAMI WAVE ARRIVAL TIMES AT FORECAST POINTS WITHIN THE WARNING AND WATCH AREAS ARE GIVEN BELOW. ACTUAL ARRIVAL TIMES MAY DIFFER AND THE INITIAL WAVE MAY NOT BE THE LARGEST. A TSUNAMI IS A SERIES OF WAVES AND THE TIME BETWEEN SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR.

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<tr>
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<td>SANTO DOMINGO</td>
<td>18.5N 69.9W</td>
<td>2337Z 12 JAN</td>
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ADDITIONAL BULLETINS WILL BE ISSUED BY THE PACIFIC TSUNAMI WARNING CENTER FOR THIS EVENT AS MORE INFORMATION BECOMES AVAILABLE.
21:53 UTC    12 janvier 2010 – message 2

WS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI
2254 UTC TUE JAN 12 2010

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

... A LOCAL TSUNAMI WATCH IS IN EFFECT ...

A TSUNAMI WATCH IS IN EFFECT FOR

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AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS

ORIGIN TIME - 2153Z 12 JAN 2010
COORDINATES - 18.5 NORTH  72.5 WEST
LOCATION    - HAITI REGION
MAGNITUDE   - 7.1

NOTE: MAGNITUDE IS REDUCED FROM 7.3 TO 7.1

THERE ARE NO SEA LEVEL READINGS YET FOR THIS EVENT. READINGS FROM THE NEAREST GAUGES SHOULD BE RECEIVED WITHIN THE NEXT HOUR.
EVALUATION

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AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS

ORIGIN TIME - 2153Z 12 JAN 2010
COORDINATES - 18.5 NORTH 72.5 WEST
LOCATION - HAITI REGION
MAGNITUDE - 7.1
EVALUATION

A TSUNAMI MEASURING 12 CM CREST-TO-TROUGH WAS RECORDED AT SANTO DOMINGO IN THE DOMINICAN REPUBLIC AND A TSUNAMI LESS THAN 1 CM CREST-TO-TROUGH WAS RECORDED ON A DEEP OCEAN GAUGE IN THE EAST-CENTRAL CARIBBEAN. BASED ON THESE DATA THERE COULD HAVE BEEN DESTRUCTIVE TSUNAMI WAVES NEAR THE EARTHQUAKE EPICENTER BUT THERE IS NOT A THREAT TO COASTAL AREAS FURTHER AWAY. THEREFORE THE TSUNAMI WATCH ISSUED BY THIS CENTER IS NOW CANCELLED.

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

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Gracias

Bernardo Aliaga
UNESCO/IOC