**NOAA Pacific Tsunami Warning Center Messages – 8 December 2016**

TSUNAMI MESSAGE NUMBER 1  
NWS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI  
1746 UTC THU DEC 8 2016  
  
..PTWC TSUNAMI THREAT MESSAGE...  
  
  
\*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\*\*  
  
 THIS MESSAGE IS ISSUED FOR INFORMATION ONLY IN SUPPORT OF THE  
 UNESCO/IOC PACIFIC TSUNAMI WARNING AND MITIGATION SYSTEM AND IS  
 MEANT FOR NATIONAL AUTHORITIES IN EACH COUNTRY OF THAT SYSTEM.  
  
 NATIONAL AUTHORITIES WILL DETERMINE THE APPROPRIATE LEVEL OF  
 ALERT FOR EACH COUNTRY AND MAY ISSUE ADDITIONAL OR MORE REFINED  
 INFORMATION.  
  
\*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\*\*  
  
  
PRELIMINARY EARTHQUAKE PARAMETERS  
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  \* MAGNITUDE      8.0  
  \* ORIGIN TIME    1739 UTC DEC 8 2016  
  \* COORDINATES    10.7 SOUTH  161.4 EAST  
  \* DEPTH          40 KM / 25 MILES  
  \* LOCATION       SOLOMON ISLANDS  
  
  
EVALUATION  
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  \* AN EARTHQUAKE WITH A PRELIMINARY MAGNITUDE OF 8.0 OCCURRED IN  
    THE SOLOMON ISLANDS AT 1739 UTC ON THURSDAY DECEMBER 8 2016.  
  
  \* BASED ON THE PRELIMINARY EARTHQUAKE PARAMETERS... WIDESPREAD  
    HAZARDOUS TSUNAMI WAVES ARE POSSIBLE.  
  
  
TSUNAMI THREAT FORECAST  
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  \* HAZARDOUS TSUNAMI WAVES FROM THIS EARTHQUAKE ARE POSSIBLE  
    WITHIN THE NEXT THREE HOURS ALONG SOME COASTS OF  
  
      SOLOMON ISLANDS... VANUATU... PAPUA NEW GUINEA... NAURU...  
      NEW CALEDONIA... TUVALU AND KOSRAE  
  
  
RECOMMENDED ACTIONS  
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  \* GOVERNMENT AGENCIES RESPONSIBLE FOR THREATENED COASTAL AREAS  
    SHOULD TAKE ACTION TO INFORM AND INSTRUCT ANY COASTAL  
    POPULATIONS AT RISK IN ACCORDANCE WITH THEIR OWN  
    EVALUATION... PROCEDURES AND THE LEVEL OF THREAT.  
  
  \* PERSONS LOCATED IN THREATENED COASTAL AREAS SHOULD STAY ALERT  
    FOR INFORMATION AND FOLLOW INSTRUCTIONS FROM NATIONAL AND  
    LOCAL AUTHORITIES.  
  
  
ESTIMATED TIMES OF ARRIVAL  
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  \* ESTIMATED TIMES OF ARRIVAL -ETA- OF THE INITIAL TSUNAMI WAVE  
    FOR PLACES WITH A POTENTIAL TSUNAMI THREAT. ACTUAL ARRIVAL  
    TIMES MAY DIFFER AND THE INITIAL WAVE MAY NOT BE THE  
    LARGEST. A TSUNAMI IS A SERIES OF WAVES AND THE TIME BETWEEN  
    WAVES CAN BE FIVE MINUTES TO ONE HOUR.  
  
    LOCATION         REGION             COORDINATES    ETA(UTC)  
    ------------------------------------------------------------  
    KIRAKIRA         SOLOMON ISLANDS   10.4S 161.9E   1807 12/08  
    AUKI             SOLOMON ISLANDS    8.8S 160.6E   1813 12/08  
    HONIARA          SOLOMON ISLANDS    9.3S 160.0E   1824 12/08  
    SANTA CRUZ ISLA  SOLOMON ISLANDS   10.9S 165.9E   1837 12/08  
    MUNDA            SOLOMON ISLANDS    8.4S 157.2E   1842 12/08  
    FALAMAE          SOLOMON ISLANDS    7.4S 155.6E   1846 12/08  
    GHATERE          SOLOMON ISLANDS    7.8S 159.2E   1849 12/08  
    ESPERITU SANTO   VANUATU           15.1S 167.3E   1853 12/08  
    AMUN             PAPUA NEW GUINEA   6.0S 154.7E   1904 12/08  
    PANGGOE          SOLOMON ISLANDS    6.9S 157.2E   1904 12/08  
    WOODLARK ISLAND  PAPUA NEW GUINEA   9.0S 152.9E   1905 12/08  
    RABAUL           PAPUA NEW GUINEA   4.2S 152.3E   1923 12/08  
    KIETA            PAPUA NEW GUINEA   6.1S 155.6E   1924 12/08  
    ANATOM ISLAND    VANUATU           20.2S 169.9E   1943 12/08  
    NAURU            NAURU              0.5S 166.9E   1948 12/08  
    ULAMONA          PAPUA NEW GUINEA   5.0S 151.3E   1959 12/08  
    LAE              PAPUA NEW GUINEA   6.8S 147.0E   1959 12/08  
    NOUMEA           NEW CALEDONIA     22.3S 166.5E   2006 12/08  
    KAVIENG          PAPUA NEW GUINEA   2.5S 150.7E   2009 12/08  
    FUNAFUTI ISLAND  TUVALU             7.9S 178.5E   2018 12/08  
    PORT MORESBY     PAPUA NEW GUINEA   9.3S 146.9E   2022 12/08  
    MADANG           PAPUA NEW GUINEA   5.2S 145.8E   2032 12/08  
    KOSRAE ISLAND    KOSRAE             5.5N 163.0E   2035 12/08  
    MANUS ISLAND     PAPUA NEW GUINEA   2.0S 147.5E   2042 12/08  
  
  
POTENTIAL IMPACTS  
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  \* A TSUNAMI IS A SERIES OF WAVES. THE TIME BETWEEN WAVE CRESTS  
    CAN VARY FROM 5 MINUTES TO AN HOUR. THE HAZARD MAY PERSIST  
    FOR MANY HOURS OR LONGER AFTER THE INITIAL WAVE.  
  
  \* IMPACTS CAN VARY SIGNIFICANTLY FROM ONE SECTION OF COAST TO  
    THE NEXT DUE TO LOCAL BATHYMETRY AND THE SHAPE AND ELEVATION  
    OF THE SHORELINE.  
  
  \* IMPACTS CAN ALSO VARY DEPENDING UPON THE STATE OF THE TIDE AT  
    THE TIME OF THE MAXIMUM TSUNAMI WAVES.  
  
  \* PERSONS CAUGHT IN THE WATER OF A TSUNAMI MAY DROWN... BE  
    CRUSHED BY DEBRIS IN THE WATER... OR BE SWEPT OUT TO SEA.  
  
  
NEXT UPDATE AND ADDITIONAL INFORMATION  
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  \* THE NEXT MESSAGE WILL BE ISSUED IN ONE HOUR... OR SOONER IF  
    THE SITUATION WARRANTS.  
  
  \* AUTHORITATIVE INFORMATION ABOUT THE EARTHQUAKE FROM THE U.S.  
    GEOLOGICAL SURVEY CAN BE FOUND ON THE INTERNET AT  
    [EARTHQUAKE.USGS.GOV/EARTHQUAKES](http://earthquake.usgs.gov/EARTHQUAKES) -ALL LOWER CASE-.  
  
  \* FURTHER INFORMATION ABOUT THIS EVENT MAY BE FOUND AT  
    [PTWC.WEATHER.GOV](http://ptwc.weather.gov/) AND AT [WWW.TSUNAMI.GOV](http://www.tsunami.gov/).  
  
  \* COASTAL REGIONS OF HAWAII... AMERICAN SAMOA... GUAM... AND  
    CNMI SHOULD REFER TO PACIFIC TSUNAMI WARNING CENTER MESSAGES  
    SPECIFICALLY FOR THOSE PLACES THAT CAN BE FOUND AT  
    [PTWC.WEATHER.GOV](http://ptwc.weather.gov/).  
  
  \* COASTAL REGIONS OF CALIFORNIA... OREGON... WASHINGTON...  
    BRITISH COLUMBIA AND ALASKA SHOULD ONLY REFER TO U.S.  
    NATIONAL TSUNAMI WARNING CENTER MESSAGES THAT CAN BE FOUND  
    AT [NTWC.ARH.NOAA.GOV](http://ntwc.arh.noaa.gov/).  
  
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TSUNAMI MESSAGE NUMBER 2  
NWS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI  
1835 UTC THU DEC 8 2016  
  
..PTWC TSUNAMI THREAT MESSAGE...  
  
  
\*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\*\*  
  
 THIS MESSAGE IS ISSUED FOR INFORMATION ONLY IN SUPPORT OF THE  
 UNESCO/IOC PACIFIC TSUNAMI WARNING AND MITIGATION SYSTEM AND IS  
 MEANT FOR NATIONAL AUTHORITIES IN EACH COUNTRY OF THAT SYSTEM.  
  
 NATIONAL AUTHORITIES WILL DETERMINE THE APPROPRIATE LEVEL OF  
 ALERT FOR EACH COUNTRY AND MAY ISSUE ADDITIONAL OR MORE REFINED  
 INFORMATION.  
  
\*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\*\*  
  
THE TSUNAMI FORECAST IS UPDATED IN THIS MESSAGE.  
  
NOTE EARTHQUAKE MAGNITUDE DOWN GRADED FROM 8.0 TO 7.8.  
  
PRELIMINARY EARTHQUAKE PARAMETERS  
---------------------------------  
  
  \* MAGNITUDE      7.8  
  \* ORIGIN TIME    1739 UTC DEC 8 2016  
  \* COORDINATES    10.7 SOUTH  161.4 EAST  
  \* DEPTH          40 KM / 25 MILES  
  \* LOCATION       SOLOMON ISLANDS  
  
  
EVALUATION  
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  \* AN EARTHQUAKE WITH A PRELIMINARY MAGNITUDE OF 7.8 OCCURRED IN  
    THE SOLOMON ISLANDS AT 1739 UTC ON THURSDAY DECEMBER 8 2016.  
  
  \* BASED ON ALL AVAILABLE DATA... HAZARDOUS TSUNAMI WAVES ARE  
    FORECAST FOR SOME COASTS.  
  
  
TSUNAMI THREAT FORECAST...UPDATED  
---------------------------------  
  
  \* TSUNAMI WAVES REACHING 1 TO 3 METERS ABOVE THE TIDE LEVEL ARE  
    POSSIBLE ALONG SOME COASTS OF  
  
      SOLOMON ISLANDS.  
  
  
  \* TSUNAMI WAVES REACHING 0.3 TO 1 METERS ABOVE THE TIDE LEVEL  
    ARE POSSIBLE FOR SOME COASTS OF  
  
      PAPUA NEW GUINEA... AND VANUATU.  
  
  
  \* TSUNAMI WAVES ARE FORECAST TO BE LESS THAN 0.3 METERS ABOVE  
    THE TIDE LEVEL FOR THE COASTS OF  
  
      AMERICAN SAMOA... AUSTRALIA... CHUUK... FIJI... GUAM...  
      HOWLAND AND BAKER... INDONESIA... KERMADEC ISLANDS...  
      KIRIBATI... KOSRAE... MARSHALL ISLANDS... NAURU... NEW  
      CALEDONIA... NEW ZEALAND... NORTHERN MARIANAS...  
      POHNPEI... SAMOA... TOKELAU... TONGA... TUVALU... AND  
      WALLIS AND FUTUNA.  
  
  
  \* ACTUAL AMPLITUDES AT THE COAST MAY VARY FROM FORECAST  
    AMPLITUDES DUE TO UNCERTAINTIES IN THE FORECAST AND LOCAL  
    FEATURES. IN PARTICULAR MAXIMUM TSUNAMI AMPLITUDES ON ATOLLS  
    AND AT LOCATIONS WITH FRINGING OR BARRIER REEFS WILL LIKELY  
    BE MUCH SMALLER THAN THE FORECAST INDICATES.  
  
  \* FOR OTHER AREAS COVERED BY THIS PRODUCT A FORECAST HAS NOT  
    YET BEEN COMPUTED. THE FORECAST WILL BE EXPANDED IF  
    NECESSARY IN SUBSEQUENT PRODUCTS.  
  
  
RECOMMENDED ACTIONS  
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  \* GOVERNMENT AGENCIES RESPONSIBLE FOR THREATENED COASTAL AREAS  
    SHOULD TAKE ACTION TO INFORM AND INSTRUCT ANY COASTAL  
    POPULATIONS AT RISK IN ACCORDANCE WITH THEIR OWN  
    EVALUATION... PROCEDURES AND THE LEVEL OF THREAT.  
  
  \* PERSONS LOCATED IN THREATENED COASTAL AREAS SHOULD STAY ALERT  
    FOR INFORMATION AND FOLLOW INSTRUCTIONS FROM NATIONAL AND  
    LOCAL AUTHORITIES.  
  
  
ESTIMATED TIMES OF ARRIVAL  
--------------------------  
  
  \* ESTIMATED TIMES OF ARRIVAL -ETA- OF THE INITIAL TSUNAMI WAVE  
    FOR PLACES WITHIN THREATENED REGIONS ARE GIVEN BELOW. ACTUAL  
    ARRIVAL TIMES MAY DIFFER AND THE INITIAL WAVE MAY NOT BE THE  
    LARGEST. A TSUNAMI IS A SERIES OF WAVES AND THE TIME BETWEEN  
    WAVES CAN BE FIVE MINUTES TO ONE HOUR.  
  
    LOCATION         REGION             COORDINATES    ETA(UTC)  
    ------------------------------------------------------------  
    KIRAKIRA         SOLOMON ISLANDS   10.4S 161.9E   1807 12/08  
    AUKI             SOLOMON ISLANDS    8.8S 160.6E   1813 12/08  
    HONIARA          SOLOMON ISLANDS    9.3S 160.0E   1824 12/08  
    MUNDA            SOLOMON ISLANDS    8.4S 157.2E   1842 12/08  
    GHATERE          SOLOMON ISLANDS    7.8S 159.2E   1849 12/08  
    ESPERITU SANTO   VANUATU           15.1S 167.3E   1853 12/08  
    PANGGOE          SOLOMON ISLANDS    6.9S 157.2E   1904 12/08  
    WOODLARK ISLAND  PAPUA NEW GUINEA   9.0S 152.9E   1905 12/08  
    ANATOM ISLAND    VANUATU           20.2S 169.9E   1943 12/08

POTENTIAL IMPACTS  
-----------------  
  
  \* A TSUNAMI IS A SERIES OF WAVES. THE TIME BETWEEN WAVE CRESTS  
    CAN VARY FROM 5 MINUTES TO AN HOUR. THE HAZARD MAY PERSIST  
    FOR MANY HOURS OR LONGER AFTER THE INITIAL WAVE.  
  
  \* IMPACTS CAN VARY SIGNIFICANTLY FROM ONE SECTION OF COAST TO  
    THE NEXT DUE TO LOCAL BATHYMETRY AND THE SHAPE AND ELEVATION  
    OF THE SHORELINE.  
  
  \* IMPACTS CAN ALSO VARY DEPENDING UPON THE STATE OF THE TIDE AT  
    THE TIME OF THE MAXIMUM TSUNAMI WAVES.  
  
  \* PERSONS CAUGHT IN THE WATER OF A TSUNAMI MAY DROWN... BE  
    CRUSHED BY DEBRIS IN THE WATER... OR BE SWEPT OUT TO SEA.  
  
  
NEXT UPDATE AND ADDITIONAL INFORMATION  
--------------------------------------  
  
  \* THE NEXT MESSAGE WILL BE ISSUED IN ONE HOUR... OR SOONER IF  
    THE SITUATION WARRANTS.  
  
  \* AUTHORITATIVE INFORMATION ABOUT THE EARTHQUAKE FROM THE U.S.  
    GEOLOGICAL SURVEY CAN BE FOUND ON THE INTERNET AT  
    [EARTHQUAKE.USGS.GOV/EARTHQUAKES](http://earthquake.usgs.gov/EARTHQUAKES) -ALL LOWER CASE-.  
  
  \* FURTHER INFORMATION ABOUT THIS EVENT MAY BE FOUND AT  
    [PTWC.WEATHER.GOV](http://ptwc.weather.gov/) AND AT [WWW.TSUNAMI.GOV](http://www.tsunami.gov/).  
  
  \* COASTAL REGIONS OF HAWAII... AMERICAN SAMOA... GUAM... AND  
    CNMI SHOULD REFER TO PACIFIC TSUNAMI WARNING CENTER MESSAGES  
    SPECIFICALLY FOR THOSE PLACES THAT CAN BE FOUND AT  
    [PTWC.WEATHER.GOV](http://ptwc.weather.gov/).  
  
  \* COASTAL REGIONS OF CALIFORNIA... OREGON... WASHINGTON...  
    BRITISH COLUMBIA AND ALASKA SHOULD ONLY REFER TO U.S.  
    NATIONAL TSUNAMI WARNING CENTER MESSAGES THAT CAN BE FOUND  
    AT [NTWC.ARH.NOAA.GOV](http://ntwc.arh.noaa.gov/).  
  
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TSUNAMI MESSAGE NUMBER 3  
NWS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI  
1854 UTC THU DEC 8 2016  
  
..PTWC TSUNAMI THREAT MESSAGE...  
  
  
\*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\*\*  
  
 THIS MESSAGE IS ISSUED FOR INFORMATION ONLY IN SUPPORT OF THE  
 UNESCO/IOC PACIFIC TSUNAMI WARNING AND MITIGATION SYSTEM AND IS  
 MEANT FOR NATIONAL AUTHORITIES IN EACH COUNTRY OF THAT SYSTEM.  
  
 NATIONAL AUTHORITIES WILL DETERMINE THE APPROPRIATE LEVEL OF  
 ALERT FOR EACH COUNTRY AND MAY ISSUE ADDITIONAL OR MORE REFINED  
 INFORMATION.  
  
\*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\*\*  
  
THE TSUNAMI FORECAST IS UPDATED IN THIS MESSAGE.  
  
  
PRELIMINARY EARTHQUAKE PARAMETERS  
---------------------------------  
  
  \* MAGNITUDE      7.8  
  \* ORIGIN TIME    1739 UTC DEC 8 2016  
  \* COORDINATES    10.7 SOUTH  161.4 EAST  
  \* DEPTH          40 KM / 25 MILES  
  \* LOCATION       SOLOMON ISLANDS  
  
  
EVALUATION  
----------  
  
  \* AN EARTHQUAKE WITH A PRELIMINARY MAGNITUDE OF 7.8 OCCURRED IN  
    THE SOLOMON ISLANDS AT 1739 UTC ON THURSDAY DECEMBER 8 2016.  
  
  \* BASED ON ALL AVAILABLE DATA... HAZARDOUS TSUNAMI WAVES ARE  
    FORECAST FOR SOME COASTS.  
  
  
TSUNAMI THREAT FORECAST...UPDATED  
---------------------------------  
  
  \* TSUNAMI WAVES REACHING 1 TO 3 METERS ABOVE THE TIDE LEVEL ARE  
    POSSIBLE ALONG SOME COASTS OF  
  
      SOLOMON ISLANDS.  
  
  
  \* TSUNAMI WAVES REACHING 0.3 TO 1 METERS ABOVE THE TIDE LEVEL  
    ARE POSSIBLE FOR SOME COASTS OF  
  
      PAPUA NEW GUINEA.  
  
  \* TSUNAMI WAVES ARE FORECAST TO BE LESS THAN 0.3 METERS ABOVE  
    THE TIDE LEVEL FOR THE COASTS OF  
  
      FRENCH POLYNESIA.  
  
  \* FOR OTHER AREAS TSUNAMI WAVES ARE FORECAST TO BE MUCH LESS  
    THAN 0.3 METERS ABOVE THE TIDE LEVEL.

    KIRAKIRA         SOLOMON ISLANDS   10.4S 161.9E   1808 12/08  
    AUKI             SOLOMON ISLANDS    8.8S 160.6E   1813 12/08  
    HONIARA          SOLOMON ISLANDS    9.3S 160.0E   1820 12/08  
    MUNDA            SOLOMON ISLANDS    8.4S 157.2E   1831 12/08  
    GHATERE          SOLOMON ISLANDS    7.8S 159.2E   1843 12/08  
    PANGGOE          SOLOMON ISLANDS    6.9S 157.2E   1903 12/08  
    WOODLARK ISLAND  PAPUA NEW GUINEA   9.0S 152.9E   1904 12/08

POTENTIAL IMPACTS  
-----------------  
  
  \* A TSUNAMI IS A SERIES OF WAVES. THE TIME BETWEEN WAVE CRESTS  
    CAN VARY FROM 5 MINUTES TO AN HOUR. THE HAZARD MAY PERSIST  
    FOR MANY HOURS OR LONGER AFTER THE INITIAL WAVE.  
  
  \* IMPACTS CAN VARY SIGNIFICANTLY FROM ONE SECTION OF COAST TO  
    THE NEXT DUE TO LOCAL BATHYMETRY AND THE SHAPE AND ELEVATION  
    OF THE SHORELINE.  
  
  \* IMPACTS CAN ALSO VARY DEPENDING UPON THE STATE OF THE TIDE AT  
    THE TIME OF THE MAXIMUM TSUNAMI WAVES.  
  
  \* PERSONS CAUGHT IN THE WATER OF A TSUNAMI MAY DROWN... BE  
    CRUSHED BY DEBRIS IN THE WATER... OR BE SWEPT OUT TO SEA.  
  
  
NEXT UPDATE AND ADDITIONAL INFORMATION  
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  \* THE NEXT MESSAGE WILL BE ISSUED IN ONE HOUR... OR SOONER IF  
    THE SITUATION WARRANTS.  
  
  \* AUTHORITATIVE INFORMATION ABOUT THE EARTHQUAKE FROM THE U.S.  
    GEOLOGICAL SURVEY CAN BE FOUND ON THE INTERNET AT  
    [EARTHQUAKE.USGS.GOV/EARTHQUAKES](http://earthquake.usgs.gov/EARTHQUAKES) -ALL LOWER CASE-.  
  
  \* FURTHER INFORMATION ABOUT THIS EVENT MAY BE FOUND AT  
    [PTWC.WEATHER.GOV](http://ptwc.weather.gov/) AND AT [WWW.TSUNAMI.GOV](http://www.tsunami.gov/).  
  
  \* COASTAL REGIONS OF HAWAII... AMERICAN SAMOA... GUAM... AND  
    CNMI SHOULD REFER TO PACIFIC TSUNAMI WARNING CENTER MESSAGES  
    SPECIFICALLY FOR THOSE PLACES THAT CAN BE FOUND AT  
    [PTWC.WEATHER.GOV](http://ptwc.weather.gov/).  
  
  \* COASTAL REGIONS OF CALIFORNIA... OREGON... WASHINGTON...  
    BRITISH COLUMBIA AND ALASKA SHOULD ONLY REFER TO U.S.  
    NATIONAL TSUNAMI WARNING CENTER MESSAGES THAT CAN BE FOUND  
    AT [NTWC.ARH.NOAA.GOV](http://ntwc.arh.noaa.gov/).  
  
$$

TSUNAMI MESSAGE NUMBER 4  
NWS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI  
1946 UTC THU DEC 8 2016  
  
..PTWC FINAL TSUNAMI THREAT MESSAGE...  
  
  
\*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\*\*  
  
 THIS MESSAGE IS ISSUED FOR INFORMATION ONLY IN SUPPORT OF THE  
 UNESCO/IOC PACIFIC TSUNAMI WARNING AND MITIGATION SYSTEM AND IS  
 MEANT FOR NATIONAL AUTHORITIES IN EACH COUNTRY OF THAT SYSTEM.  
  
 NATIONAL AUTHORITIES WILL DETERMINE THE APPROPRIATE LEVEL OF  
 ALERT FOR EACH COUNTRY AND MAY ISSUE ADDITIONAL OR MORE REFINED  
 INFORMATION.  
  
\*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\*\*  
  
THE TSUNAMI FORECAST IS UNCHANGED IN THIS MESSAGE.  
  
  
PRELIMINARY EARTHQUAKE PARAMETERS  
---------------------------------  
  
  \* MAGNITUDE      7.8  
  \* ORIGIN TIME    1739 UTC DEC 8 2016  
  \* COORDINATES    10.7 SOUTH  161.4 EAST  
  \* DEPTH          40 KM / 25 MILES  
  \* LOCATION       SOLOMON ISLANDS  
  
  
EVALUATION  
----------  
  
  \* AN EARTHQUAKE WITH A PRELIMINARY MAGNITUDE OF 7.8 OCCURRED IN  
    THE SOLOMON ISLANDS AT 1739 UTC ON THURSDAY DECEMBER 8 2016.  
  
  \* BASED ON ALL AVAILABLE DATA... THE TSUNAMI THREAT FROM THIS  
    EARTHQUAKE HAS NOW PASSED.  
  
  
TSUNAMI THREAT FORECAST...UPDATED  
---------------------------------  
  
  \* THE TSUNAMI THREAT HAS NOW LARGELY PASSED.  
  
  
RECOMMENDED ACTIONS  
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  \* GOVERNMENT AGENCIES RESPONSIBLE FOR ANY IMPACTED COASTAL  
    AREAS SHOULD MONITOR CONDITIONS AT THE COAST TO DETERMINE IF  
    AND WHEN IT IS SAFE TO RESUME NORMAL ACTIVITIES.  
  
  \* PERSONS LOCATED NEAR IMPACTED COASTAL AREAS SHOULD STAY ALERT  
    FOR INFORMATION AND FOLLOW INSTRUCTIONS FROM LOCAL  
    AUTHORITIES.  
  
  \* REMAIN OBSERVANT AND EXERCISE NORMAL CAUTION NEAR THE SEA.  
  
  
POTENTIAL IMPACTS  
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  \* MINOR SEA LEVEL FLUCTUATIONS OF UP TO 0.3 METERS ABOVE AND  
    BELOW THE NORMAL TIDE MAY CONTINUE OVER THE NEXT FEW HOURS.  
  
  
TSUNAMI OBSERVATIONS  
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  \* THE FOLLOWING ARE TSUNAMI WAVE OBSERVATIONS FROM COASTAL  
    AND/OR DEEP-OCEAN SEA LEVEL GAUGES AT THE INDICATED  
    LOCATIONS. THE MAXIMUM TSUNAMI HEIGHT IS MEASURED WITH  
    RESPECT TO THE NORMAL TIDE LEVEL.  
  
                            GAUGE      TIME OF   MAXIMUM     WAVE  
                         COORDINATES   MEASURE   TSUNAMI   PERIOD  
    GAUGE LOCATION        LAT   LON     (UTC)     HEIGHT    (MIN)  
    -------------------------------------------------------------  
    HONIARA SB            9.4S 160.0E    1856   0.12M/ 0.4FT  18  
    LUGANVILLE VU        15.5S 167.2E    1921   0.10M/ 0.3FT  22  
    DART 55012           15.7S 158.5E    1903   0.03M/ 0.1FT  14  
    LATA WHARF SB        10.7S 165.8E    1907   0.08M/ 0.3FT  36  
  
  
NEXT UPDATE AND ADDITIONAL INFORMATION  
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  \* THIS WILL BE THE FINAL STATEMENT ISSUED FOR THIS EVENT UNLESS  
    NEW INFORMATION IS RECEIVED OR THE SITUATION CHANGES.  
  
  \* AUTHORITATIVE INFORMATION ABOUT THE EARTHQUAKE FROM THE U.S.  
    GEOLOGICAL SURVEY CAN BE FOUND ON THE INTERNET AT  
    [EARTHQUAKE.USGS.GOV/EARTHQUAKES](http://earthquake.usgs.gov/EARTHQUAKES) -ALL LOWER CASE-.  
  
  \* FURTHER INFORMATION ABOUT THIS EVENT MAY BE FOUND AT  
    [PTWC.WEATHER.GOV](http://ptwc.weather.gov/) AND AT [WWW.TSUNAMI.GOV](http://www.tsunami.gov/).  
  
  \* COASTAL REGIONS OF HAWAII... AMERICAN SAMOA... GUAM... AND  
    CNMI SHOULD REFER TO PACIFIC TSUNAMI WARNING CENTER MESSAGES  
    SPECIFICALLY FOR THOSE PLACES THAT CAN BE FOUND AT  
    [PTWC.WEATHER.GOV](http://ptwc.weather.gov/).  
  
  \* COASTAL REGIONS OF CALIFORNIA... OREGON... WASHINGTON...  
    BRITISH COLUMBIA AND ALASKA SHOULD ONLY REFER TO U.S.  
    NATIONAL TSUNAMI WARNING CENTER MESSAGES THAT CAN BE FOUND  
    AT [NTWC.ARH.NOAA.GOV](http://ntwc.arh.noaa.gov/).  
  
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TSUNAMI INFORMATION STATEMENT NUMBER 5  
NWS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI  
2158 UTC THU DEC 8 2016  
  
..PTWC TSUNAMI SUPPLEMENT STATEMENT...  
  
  
\*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\*\*  
  
 THIS STATEMENT IS ISSUED FOR INFORMATION ONLY IN SUPPORT OF THE  
 UNESCO/IOC PACIFIC TSUNAMI WARNING AND MITIGATION SYSTEM AND IS  
 MEANT FOR NATIONAL AUTHORITIES IN EACH COUNTRY OF THAT SYSTEM.  
  
 NATIONAL AUTHORITIES WILL DETERMINE THE APPROPRIATE LEVEL OF  
 ALERT FOR EACH COUNTRY AND MAY ISSUE ADDITIONAL OR MORE REFINED  
 INFORMATION.  
  
\*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\*\*  
  
THE TSUNAMI FORECAST IS UNCHANGED IN THIS MESSAGE.  
  
  
PRELIMINARY EARTHQUAKE PARAMETERS  
---------------------------------  
  
  \* MAGNITUDE      7.8  
  \* ORIGIN TIME    1739 UTC DEC 8 2016  
  \* COORDINATES    10.7 SOUTH  161.4 EAST  
  \* DEPTH          40 KM / 25 MILES  
  \* LOCATION       SOLOMON ISLANDS  
  
  
EVALUATION  
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  \* AN EARTHQUAKE WITH A PRELIMINARY MAGNITUDE OF 7.8 OCCURRED IN  
    THE SOLOMON ISLANDS AT 1739 UTC ON THURSDAY DECEMBER 8 2016.  
  
  \* ADDITIONAL TSUNAMI OBSERVATIONS HAVE BEEN MADE.  
  
  \* NOTE THAT A MAXIMUM WAVE AMPLITUDE OF 0.43 M WAS OBSERVED AT  
    TIDE STATION HIENGHENE IN NEW CALEDONIA AND THE AMPLITUDE  
    IS CURRENTLY DIMINISHING AT THAT LOCATION.  
  
RECOMMENDED ACTIONS  
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  \* FOR COASTAL AREAS IMPACTED BY TSUNAMI WAVES... CAREFULLY  
    MONITOR FOR ANY CONTINUING SEA LEVEL CHANGES. WHEN HAZARDOUS  
    WAVES HAVE NOT BEEN OBSERVED FOR AT LEAST TWO HOURS THEN IT  
    CAN BE ASSUMED THE HAZARD HAS PASSED. HOWEVER... CONTINUE TO  
    EXERCISE CAUTION AROUND THE SEA AS SMALLER TSUNAMI  
    FLUCTUATIONS MAY CONTINUE FOR MANY MORE HOURS.  
  
  \* FOR OTHER COASTAL AREAS... IF HAZARDOUS WAVES HAVE NOT BEEN  
    OBSERVED FOR AT LEAST TWO HOURS AFTER THE ESTIMATED ARRIVAL  
    TIME THEN IT CAN BE ASSUMED THE HAZARD HAS PASSED.  
    HOWEVER... SMALL SEA LEVEL FLUCTUATIONS MAY OCCUR AND NORMAL  
    CAUTION AROUND THE SEA SHOULD BE EXERCISED.  
  
TSUNAMI OBSERVATIONS  
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  \* THE FOLLOWING ARE TSUNAMI WAVE OBSERVATIONS FROM COASTAL  
    AND/OR DEEP-OCEAN SEA LEVEL GAUGES AT THE INDICATED  
    LOCATIONS. THE MAXIMUM TSUNAMI HEIGHT IS MEASURED WITH  
    RESPECT TO THE NORMAL TIDE LEVEL.  
  
                            GAUGE      TIME OF   MAXIMUM     WAVE  
                         COORDINATES   MEASURE   TSUNAMI   PERIOD  
    GAUGE LOCATION        LAT   LON     (UTC)     HEIGHT    (MIN)  
    -------------------------------------------------------------  
    THIO NEW CALEDONIA   21.6S 166.2E    2005   0.07M/ 0.2FT  16  
    VANUATU              17.8S 168.3E    2054   0.19M/ 0.6FT  22  
    LIFOU NEW CALEDONIA  20.9S 167.3E    1940   0.10M/ 0.3FT  06  
    LUGANVILLE VU        15.5S 167.2E    2033   0.18M/ 0.6FT  28  
    HIENGHENE NEW CALED  20.7S 164.9E    2054   0.43M/ 1.4FT  12  
    OUINNE NEW CALEDONI  22.0S 166.7E    2029   0.14M/ 0.4FT  20  
    HONIARA SB            9.4S 160.0E    1856   0.12M/ 0.4FT  18  
    DART 55012           15.7S 158.5E    1903   0.03M/ 0.1FT  14  
    LATA WHARF SB        10.7S 165.8E    1907   0.08M/ 0.3FT  36  
  
  
NEXT UPDATE AND ADDITIONAL INFORMATION  
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  \* THIS WILL BE THE FINAL STATEMENT ISSUED FOR THIS EVENT UNLESS  
    NEW INFORMATION IS RECEIVED OR THE SITUATION CHANGES.  
  
  \* AUTHORITATIVE INFORMATION ABOUT THE EARTHQUAKE FROM THE U.S.  
    GEOLOGICAL SURVEY CAN BE FOUND ON THE INTERNET AT  
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