

ZCZC
WEPA40 PHEB 010008
TSUPAC

TSUNAMI MESSAGE NUMBER 1
NWS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI
0008 UCT WED OCT 1 2014

...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

| | |
|---------------|-----------------------|
| * MAGNITUDE | 8.6 |
| * ORIGIN TIME | 0000 UTC OCT 1 2014 |
| * COORDINATES | 16.2 NORTH 119.3 EAST |
| * DEPTH | 20 KM / 12 MILES |
| * LOCATION | LUZON PHILIPPINES |

EVALUATION

- * AN EARTHQUAKE WITH A PRELIMINARY MAGNITUDE OF 8.6 OCCURRED IN
LUZON, PHILIPPINES AT 0000 UTC ON WEDNESDAY OCTOBER 1 2014.
- * BASED ON THE PRELIMINARY EARTHQUAKE PARAMETERS... HAZARDOUS
TSUNAMI WAVES ARE POSSIBLE FOR SOME COASTS.

TSUNAMI THREAT FORECAST

- * HAZARDOUS TSUNAMI WAVES ARE POSSIBLE WITHIN THE NEXT THREE
HOURS ALONG SOME COASTS OF

TAIWAN... PHILIPPINES... JAPAN... AND INDONESIA

- * OTHER AREAS NOT MENTIONED ABOVE SHOULD REMAIN ALERT IN CASE THE TSUNAMI THREAT IS EXTENDED TO THEIR COAST.
- * A MORE QUANTITATIVE TSUNAMI FORECAST IS NOT YET AVAILABLE DUE TO INSUFFICIENT INFORMATION ABOUT THE EARTHQUAKE AND TSUNAMI. THE SITUATION IS STILL BEING ANALYZED AND A MORE QUANTITATIVE FORECAST WILL BE PROVIDED AS SOON AS POSSIBLE.

RECOMMENDED ACTIONS

- * 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 OVER THE NEXT SIX HOURS. OBSERVED ARRIVAL TIMES MAY DIFFER AND THE INITIAL WAVE MAY NOT BE THE LARGEST.

| LOCATION | REGION | COORDINATES | ETA(UTC) |
|----------------|-------------|--------------|------------|
| TAITUNG | TAIWAN | 22.7N 121.2E | 0116 10/01 |
| PALANAN | PHILIPPINES | 17.1N 122.6E | 0122 10/01 |
| HUALIEN | TAIWAN | 24.0N 121.7E | 0127 10/01 |
| CHILUNG | TAIWAN | 25.2N 121.8E | 0204 10/01 |
| LEGASPI | PHILIPPINES | 13.2N 123.8E | 0226 10/01 |
| OKINAWA | JAPAN | 26.2N 127.8E | 0234 10/01 |
| GEME | INDONESIA | 4.6N 126.8E | 0305 10/01 |
| DAVAO | PHILIPPINES | 6.8N 125.7E | 0308 10/01 |
| BEREBERE | INDONESIA | 2.5N 128.7E | 0317 10/01 |
| NOBEOKA | JAPAN | 32.5N 131.8E | 0323 10/01 |
| SHIMIZU | JAPAN | 32.8N 133.0E | 0330 10/01 |
| TABUKAN TENGAH | INDONESIA | 3.6N 125.6E | 0330 10/01 |
| YAP ISLAND | YAP | 9.5N 138.1E | 0333 10/01 |
| MALAKAL | PALAU | 7.3N 134.5E | 0340 10/01 |
| PATANI | INDONESIA | 0.4N 128.8E | 0344 10/01 |
| CHICHI JIMA | JAPAN | 27.0N 142.3E | 0357 10/01 |

| | | | | | |
|--------------|------------------|-------|--------|------|-------|
| HACHIJO JIMA | JAPAN | 33.1N | 139.8E | 0359 | 10/01 |
| QUANZHOU | CHINA | 24.8N | 118.8E | 0404 | 10/01 |
| SORONG | INDONESIA | 0.8S | 131.1E | 0406 | 10/01 |
| GUAM | GUAM | 13.4N | 144.7E | 0408 | 10/01 |
| MANOKWARI | INDONESIA | 0.8S | 134.2E | 0413 | 10/01 |
| SAIPAN | NORTHERN MARIANA | 15.3N | 145.8E | 0415 | 10/01 |
| KATSUURA | JAPAN | 35.1N | 140.3E | 0418 | 10/01 |
| WARSA | INDONESIA | 0.6S | 135.8E | 0420 | 10/01 |
| NAGASAKI | JAPAN | 32.7N | 129.7E | 0424 | 10/01 |
| WENZHOU | CHINA | 27.8N | 121.2E | 0450 | 10/01 |
| JAYAPURA | INDONESIA | 2.4S | 140.8E | 0506 | 10/01 |
| VANIMO | PAPUA NEW GUINEA | 2.6S | 141.3E | 0511 | 10/01 |
| KUSHIRO | JAPAN | 42.9N | 144.3E | 0535 | 10/01 |
| WEWAK | PAPUA NEW GUINEA | 3.5S | 143.6E | 0542 | 10/01 |
| HACHINOHE | JAPAN | 40.5N | 141.5E | 0554 | 10/01 |
| MANUS ISLAND | PAPUA NEW GUINEA | 2.0S | 147.5E | 0601 | 10/01 |
| CHUUK ISLAND | CHUUK | 7.4N | 151.8E | 0602 | 10/01 |

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 SWEEPED 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 -ALL IN SMALL LETTERS-.
- * FURTHER INFORMATION ABOUT THIS EVENT MAY BE FOUND AT PTWC.WEATHER.GOV AND AT WWW.TSUNAMI.GOV.

- * COASTAL REGIONS OF HAWAII... AMERICAN SAMOA... GUAM... AND CNMI SHOULD REFER TO PACIFIC TSUNAMI WARNING CENTER MESSAGES FOR THOSE PLACES THAT CAN BE FOUND AT PTWC.WEATHER.GOV.
- * COASTAL REGIONS OF CALIFORNIA... OREGON... WASHINGTON... BRITISH COLUMBIA AND ALASKA SHOULD REFER TO U.S. NATIONAL TSUNAMI WARNING CENTER MESSAGES THAT CAN BE FOUND AT NTWC.ARH.NOAA.GOV.

\$\$

PTWC Coastal Tsunami Amplitude Forecast Polygons

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 will likely be much smaller than the forecast indicates.

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.

Earthquake:

01 Oct 2014

00:00:00 Z

Lat: 16.20°N

Lon: 119.30°E

Depth: 20 km

M_w : 9.00

Determined
Earthquake
Mechanism:



Maximum Amplitude (m)

> 3 m

1 - 3 m

0.3 - 1 m

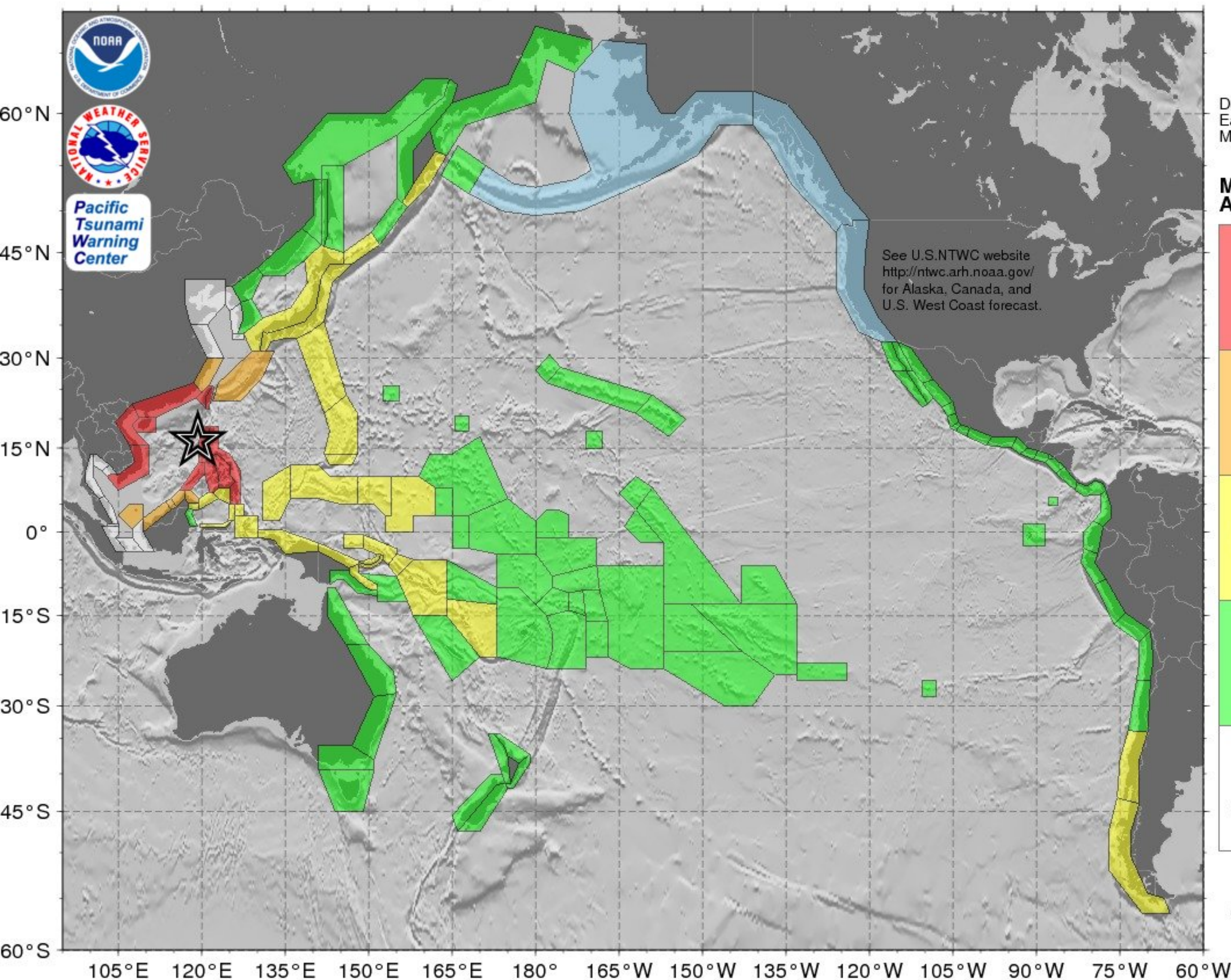
< 0.3 m

*Threat
Not
Computed*

model run at:

27 Aug 2014

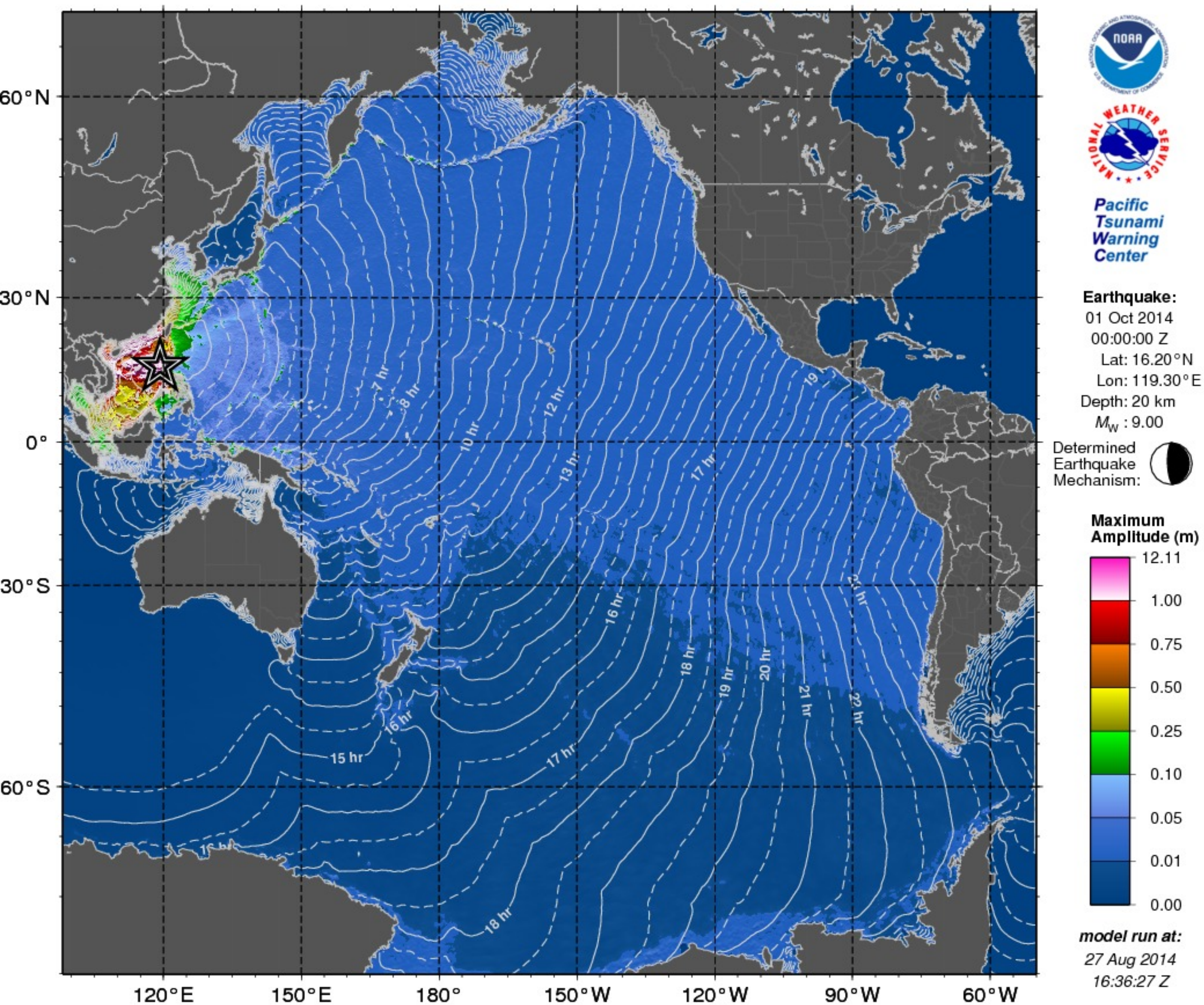
16:36:27 Z



PTWC Deep-Ocean Tsunami Amplitude Forecast

This map should not be used to estimate coastal tsunami amplitudes or impacts. Deep-ocean amplitudes are usually much smaller than coastal amplitudes.

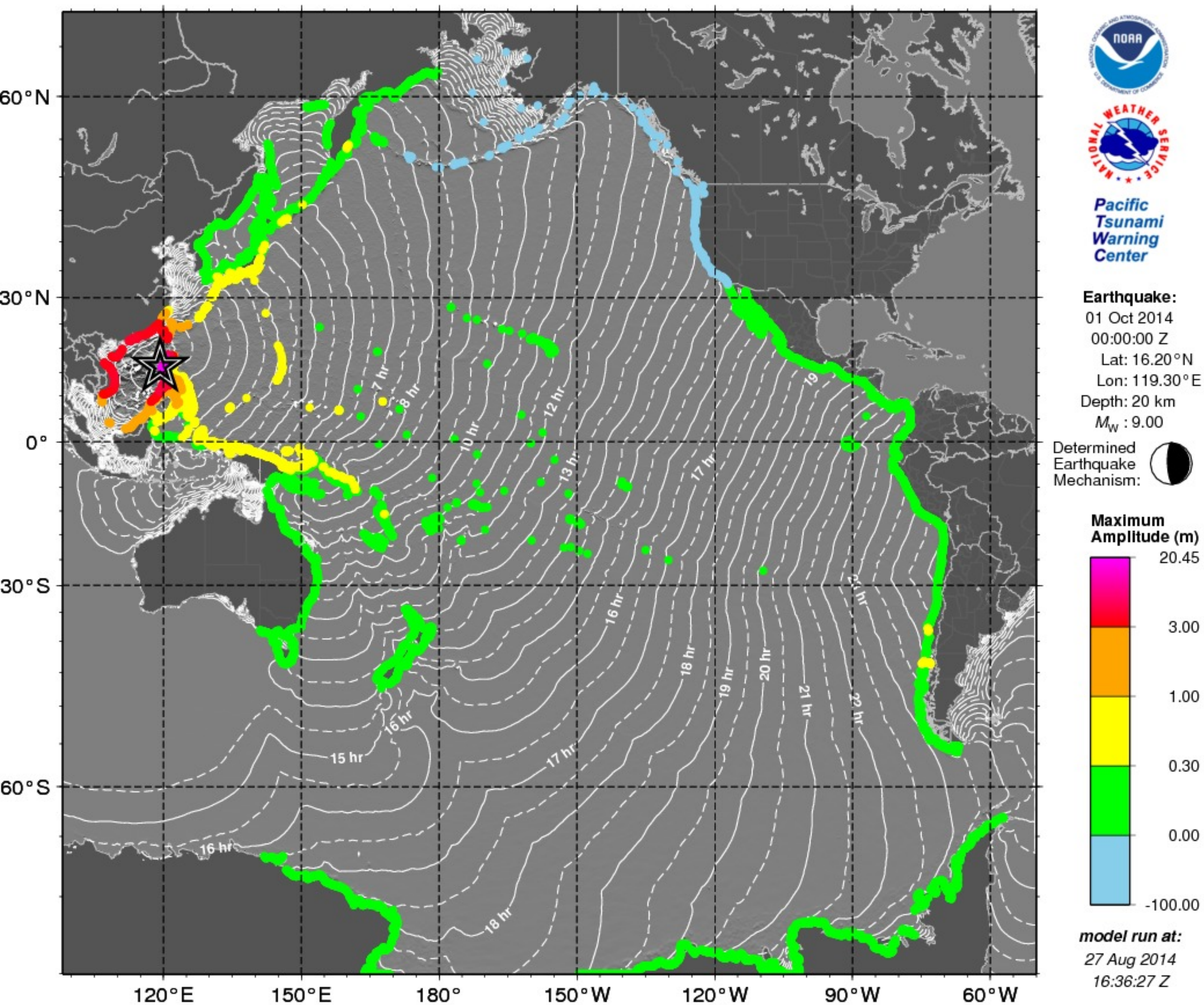
This message is issued for information only in support of the UNESCO/IOC Pacific Tsunami Warning and Mitigation System and is meant for national authorities in each country of that system. National authorities will determine the appropriate level of alert for each country and may issue additional or more refined information.



PTWC Coastal Tsunami Amplitude Forecast

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 will likely be much smaller than the forecast indicates.

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.



ZCZC
WEPA40 PHEB 010040
TSUPAC

TSUNAMI MESSAGE NUMBER 2
NWS PACIFIC TSUNAMI WARNING CENTER EWA BEACH HI
0040 UCT WED OCT 1 2014

...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

| | |
|---------------|-----------------------|
| * MAGNITUDE | 9.0 |
| * ORIGIN TIME | 0000 UTC OCT 1 2014 |
| * COORDINATES | 16.2 NORTH 119.3 EAST |
| * DEPTH | 20 KM / 12 MILES |
| * LOCATION | LUZON PHILIPPINES |

EVALUATION

- * AN EARTHQUAKE WITH A PRELIMINARY MAGNITUDE OF 9.0 OCCURRED IN
LUZON, PHILIPPINES AT 0000 UTC ON WEDNESDAY OCTOBER 1 2014.
- * BASED ON THE PRELIMINARY EARTHQUAKE PARAMETERS... HAZARDOUS
TSUNAMI WAVES ARE FORECAST FOR SOME COASTS.

TSUNAMI THREAT FORECAST...UPDATED

- * TSUNAMI WAVES REACHING MORE THAN 3 METERS ABOVE THE TIDE
LEVEL ARE POSSIBLE ALONG SOME COASTS OF

PHILIPPINES... TAIWAN... CHINA... AND VIETNAM.

- * TSUNAMI WAVES REACHING 1 TO 3 METERS ABOVE THE TIDE LEVEL ARE POSSIBLE ALONG SOME COASTS OF

JAPAN... INDONESIA... MALAYSIA... AND BRUNEI.

- * TSUNAMI WAVES REACHING 0.3 TO 1 METERS ABOVE THE TIDE LEVEL ARE POSSIBLE FOR SOME COASTS OF

CHILE... NORTHERN MARIANAS... GUAM... PALAU... YAP...
POHNPEI... CHUUK... MARSHALL ISLANDS... VANUATU... SOLOMON
ISLANDS... PAPUA NEW GUINEA... AND RUSSIA.

- * TSUNAMI WAVES LESS THAN 0.3 METERS ABOVE THE TIDE LEVEL ARE POSSIBLE FOR SOME COASTS OF

MEXICO... EL SALVADOR... GUATEMALA... HONDURAS... COSTA
RICA... NICARAGUA... PANAMA... COLOMBIA... ECUADOR... PERU...
ANTARCTICA... AUSTRALIA... NEW CALEDONIA... NEW ZEALAND...
REPUBLIC OF KOREA... DPR OF KOREA... KOSRAE... FIJI... SAMOA...
AMERICAN SAMOA... COOK ISLANDS... TOKELAU... KIRIBATI... FRENCH
POLYNESIA... NAURU... WAKE ISLAND... MIDWAY ISLAND... JOHNSTON
ATOLL... JARVIS ISLAND... PALMYRA ISLAND... HOWLAND AND BAKER...
TONGA... TUVALU... WALLIS AND FUTUNA... PITCAIRN ISLANDS...
NIUE... HAWAII... AND NORTHWESTERN HAWAIIAN ISLANDS.

- * 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 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 AS NECESSARY IN SUBSEQUENT PRODUCTS.

RECOMMENDED ACTIONS

- * 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 POINTS 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) |
|----------------|------------------|--------------|------------|
| TAITUNG | TAIWAN | 22.7N 121.2E | 0116 10/01 |
| PALANAN | PHILIPPINES | 17.1N 122.6E | 0122 10/01 |
| HUALIEN | TAIWAN | 24.0N 121.7E | 0127 10/01 |
| CHILUNG | TAIWAN | 25.2N 121.8E | 0204 10/01 |
| LEGASPI | PHILIPPINES | 13.2N 123.8E | 0226 10/01 |
| OKINAWA | JAPAN | 26.2N 127.8E | 0234 10/01 |
| GEME | INDONESIA | 4.6N 126.8E | 0305 10/01 |
| DAVAO | PHILIPPINES | 6.8N 125.7E | 0308 10/01 |
| BEREBERE | INDONESIA | 2.5N 128.7E | 0317 10/01 |
| NOBEOKA | JAPAN | 32.5N 131.8E | 0323 10/01 |
| SHIMIZU | JAPAN | 32.8N 133.0E | 0330 10/01 |
| TABUKAN TENGAH | INDONESIA | 3.6N 125.6E | 0330 10/01 |
| YAP ISLAND | YAP | 9.5N 138.1E | 0333 10/01 |
| MALAKAL | PALAU | 7.3N 134.5E | 0340 10/01 |
| PATANI | INDONESIA | 0.4N 128.8E | 0344 10/01 |
| CHICHI JIMA | JAPAN | 27.0N 142.3E | 0357 10/01 |
| HACHIJO JIMA | JAPAN | 33.1N 139.8E | 0359 10/01 |
| QUANZHOU | CHINA | 24.8N 118.8E | 0404 10/01 |
| SORONG | INDONESIA | 0.8S 131.1E | 0406 10/01 |
| GUAM | GUAM | 13.4N 144.7E | 0408 10/01 |
| MANOKWARI | INDONESIA | 0.8S 134.2E | 0413 10/01 |
| SAIPAN | NORTHERN MARIANA | 15.3N 145.8E | 0415 10/01 |
| KATSUURA | JAPAN | 35.1N 140.3E | 0418 10/01 |
| WARSA | INDONESIA | 0.6S 135.8E | 0420 10/01 |
| NAGASAKI | JAPAN | 32.7N 129.7E | 0424 10/01 |
| WENZHOU | CHINA | 27.8N 121.2E | 0450 10/01 |
| JAYAPURA | INDONESIA | 2.4S 140.8E | 0506 10/01 |
| VANIMO | PAPUA NEW GUINEA | 2.6S 141.3E | 0511 10/01 |
| KUSHIRO | JAPAN | 42.9N 144.3E | 0535 10/01 |
| WEWAK | PAPUA NEW GUINEA | 3.5S 143.6E | 0542 10/01 |
| HACHINOHE | JAPAN | 40.5N 141.5E | 0554 10/01 |
| MANUS ISLAND | PAPUA NEW GUINEA | 2.0S 147.5E | 0601 10/01 |
| CHUUK ISLAND | CHUUK | 7.4N 151.8E | 0602 10/01 |
| POHNPEI ISLAND | POHNPEI | 7.0N 158.2E | 0614 10/01 |

| | | | | | |
|----------------|------------------|-------|--------|------|-------|
| KAVIENG | PAPUA NEW GUINEA | 2.5S | 150.7E | 0623 | 10/01 |
| MADANG | PAPUA NEW GUINEA | 5.2S | 145.8E | 0627 | 10/01 |
| ENIWETOK | MARSHALL ISLANDS | 11.4N | 162.3E | 0638 | 10/01 |
| ULAMONA | PAPUA NEW GUINEA | 5.0S | 151.3E | 0658 | 10/01 |
| RABAU | PAPUA NEW GUINEA | 4.2S | 152.3E | 0700 | 10/01 |
| KIETA | PAPUA NEW GUINEA | 6.1S | 155.6E | 0713 | 10/01 |
| KWAJALEIN | MARSHALL ISLANDS | 8.7N | 167.7E | 0713 | 10/01 |
| AMUN | PAPUA NEW GUINEA | 6.0S | 154.7E | 0719 | 10/01 |
| LA | PAPUA NEW GUINEA | 6.8S | 147.0E | 0721 | 10/01 |
| SAPPORO | JAPAN | 43.5N | 141.0E | 0726 | 10/01 |
| PANGGOE | SOLOMON ISLANDS | 6.9S | 157.2E | 0728 | 10/01 |
| PETROPAVLOVSK | RUSSIA | 53.2N | 159.6E | 0729 | 10/01 |
| FALAMAE | SOLOMON ISLANDS | 7.4S | 155.6E | 0730 | 10/01 |
| UST KAMCHATSK | RUSSIA | 56.1N | 162.6E | 0733 | 10/01 |
| NIIGATA | JAPAN | 38.0N | 139.0E | 0745 | 10/01 |
| MUNDA | SOLOMON ISLANDS | 8.4S | 157.2E | 0747 | 10/01 |
| MAJURO | MARSHALL ISLANDS | 7.1N | 171.4E | 0756 | 10/01 |
| GHATERE | SOLOMON ISLANDS | 7.8S | 159.2E | 0756 | 10/01 |
| SHIMANE | JAPAN | 35.8N | 133.0E | 0757 | 10/01 |
| AUKI | SOLOMON ISLANDS | 8.8S | 160.6E | 0817 | 10/01 |
| HONIARA | SOLOMON ISLANDS | 9.3S | 160.0E | 0822 | 10/01 |
| KIRAKIRA | SOLOMON ISLANDS | 10.4S | 161.9E | 0839 | 10/01 |
| ESPERITU SANTO | VANUATU | 15.1S | 167.3E | 0933 | 10/01 |
| ANATOM ISLAND | VANUATU | 20.2S | 169.9E | 1023 | 10/01 |
| GOLFO DE PENAS | CHILE | 47.1S | 74.9W | 2344 | 10/01 |
| CORRAL | CHILE | 39.8S | 73.5W | 0027 | 10/02 |
| TALCAHUANO | CHILE | 36.7S | 73.1W | 0036 | 10/02 |
| PUERTO MONTT | CHILE | 41.5S | 73.0W | 0223 | 10/02 |

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 SWEEPED OUT TO SEA.

NEXT UPDATE AND ADDITIONAL INFORMATION

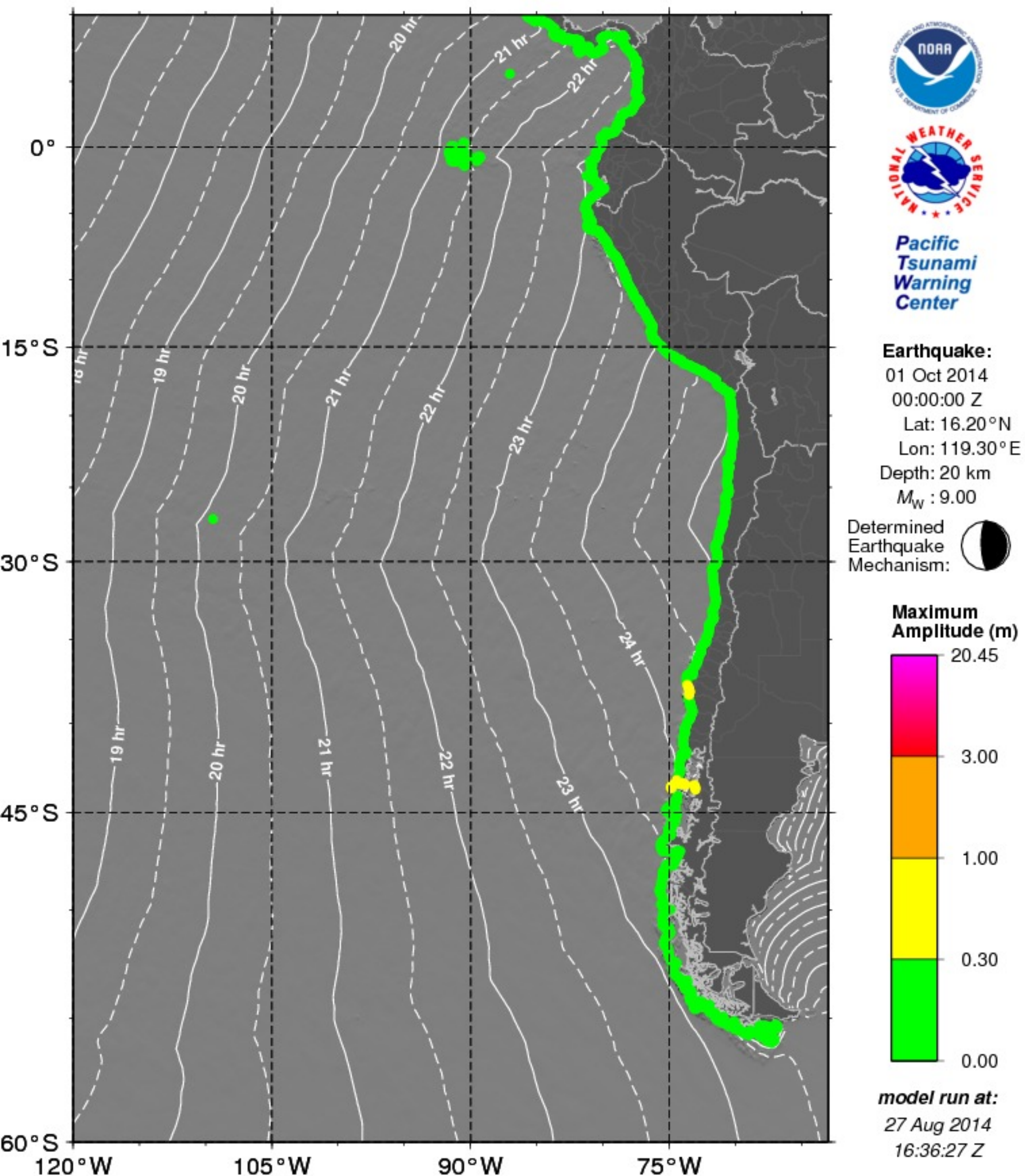
- * THE NEXT MESSAGE WILL BE ISSUED IN ONE HOUR... OR SOONER IF THE SITUATION WARRANTS.
- * AUTHORITATIVE INFORMATION ABOUT THE EARTHQUAKE FROM THE U.S. GEOLOGICAL SURVEY CAN BE FOUND ON THE INTERNET AT EARTHQUAKE.USGS.GOV/EARTHQUAKES -ALL IN SMALL LETTERS-.
- * FURTHER INFORMATION ABOUT THIS EVENT MAY BE FOUND AT PTWC.WEATHER.GOV AND AT WWW.TSUNAMI.GOV.
- * COASTAL REGIONS OF HAWAII... AMERICAN SAMOA... GUAM... AND CNMI SHOULD REFER TO PACIFIC TSUNAMI WARNING CENTER MESSAGES FOR THOSE PLACES THAT CAN BE FOUND AT PTWC.WEATHER.GOV.
- * COASTAL REGIONS OF CALIFORNIA... OREGON... WASHINGTON... BRITISH COLUMBIA AND ALASKA SHOULD REFER TO U.S. NATIONAL TSUNAMI WARNING CENTER MESSAGES THAT CAN BE FOUND AT NTWC.ARH.NOAA.GOV.

\$\$

PTWC Coastal Tsunami Amplitude Forecast

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 will likely be much smaller than the forecast indicates.

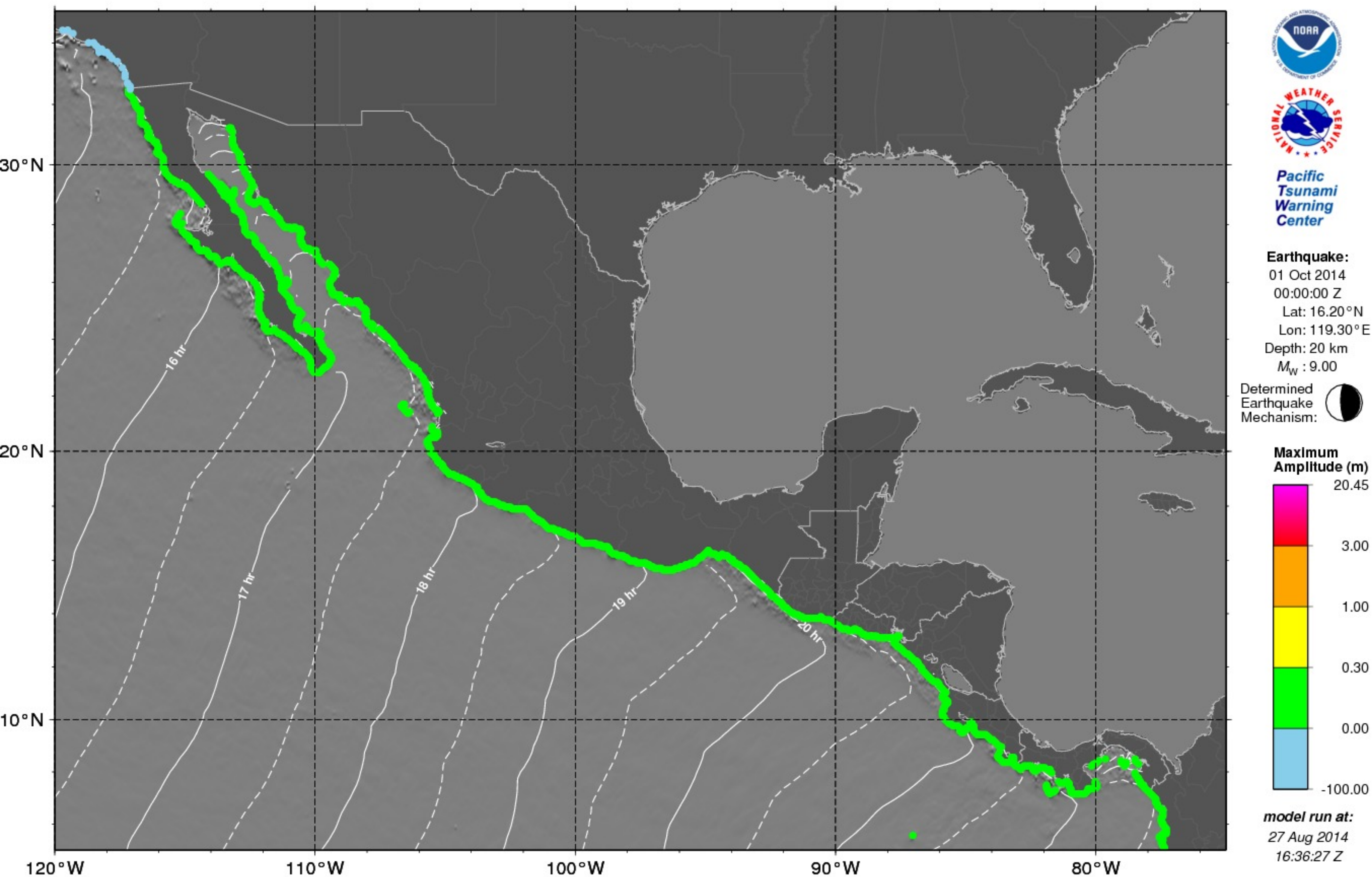
This message is issued for information only in support of the UNESCO/IOC Pacific Tsunami Warning and Mitigation System and is meant for national authorities in each country of that system. National authorities will determine the appropriate level of alert for each country and may issue additional or more refined information.



PTWC Coastal Tsunami Amplitude Forecast

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 will likely be much smaller than the forecast indicates.

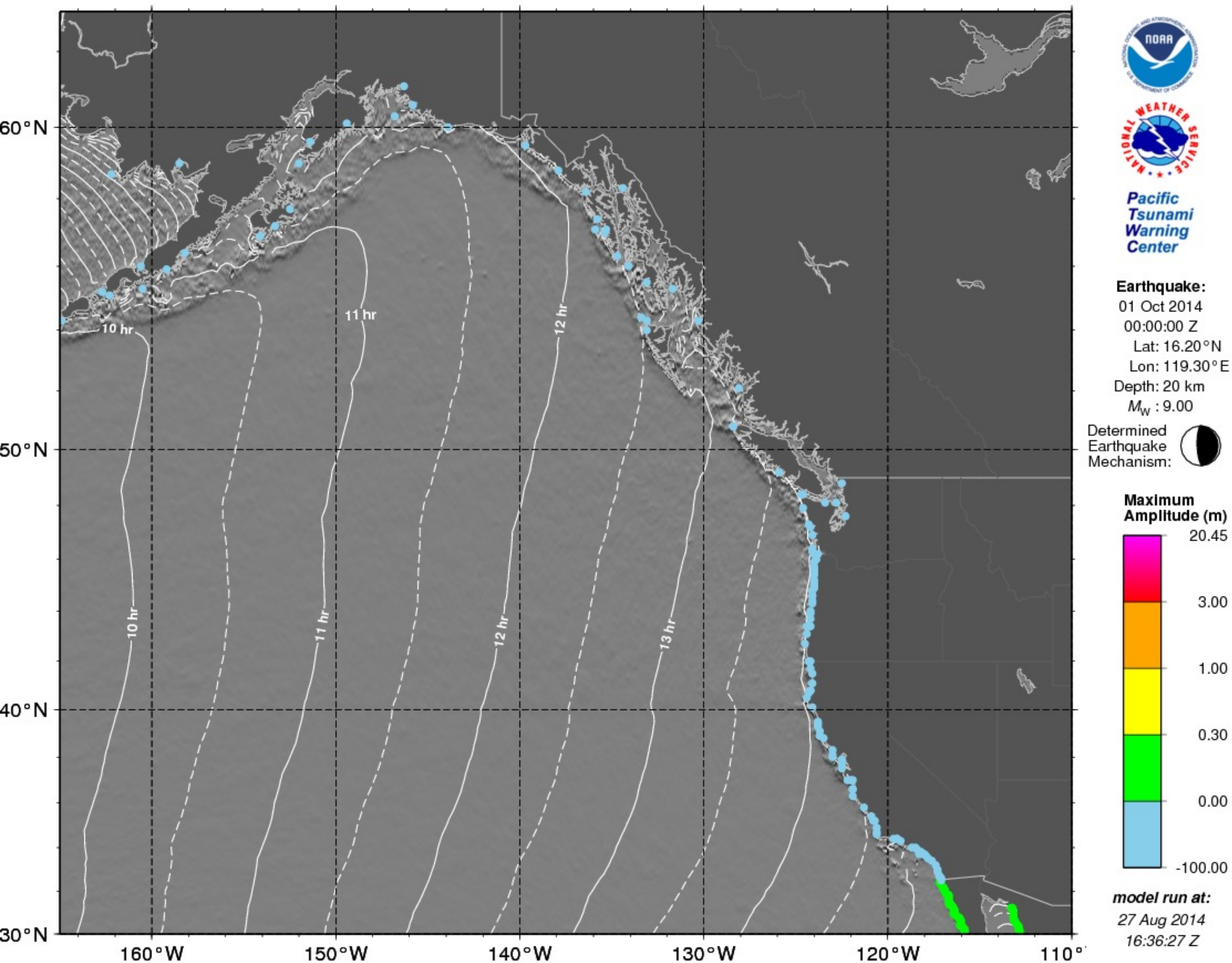
This message is issued for information only in support of the UNESCO/IOC Pacific Tsunami Warning and Mitigation System and is meant for national authorities in each country of that system. National authorities will determine the appropriate level of alert for each country and may issue additional or more refined information.



PTWC Coastal Tsunami Amplitude Forecast

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 will likely be much smaller than the forecast indicates.

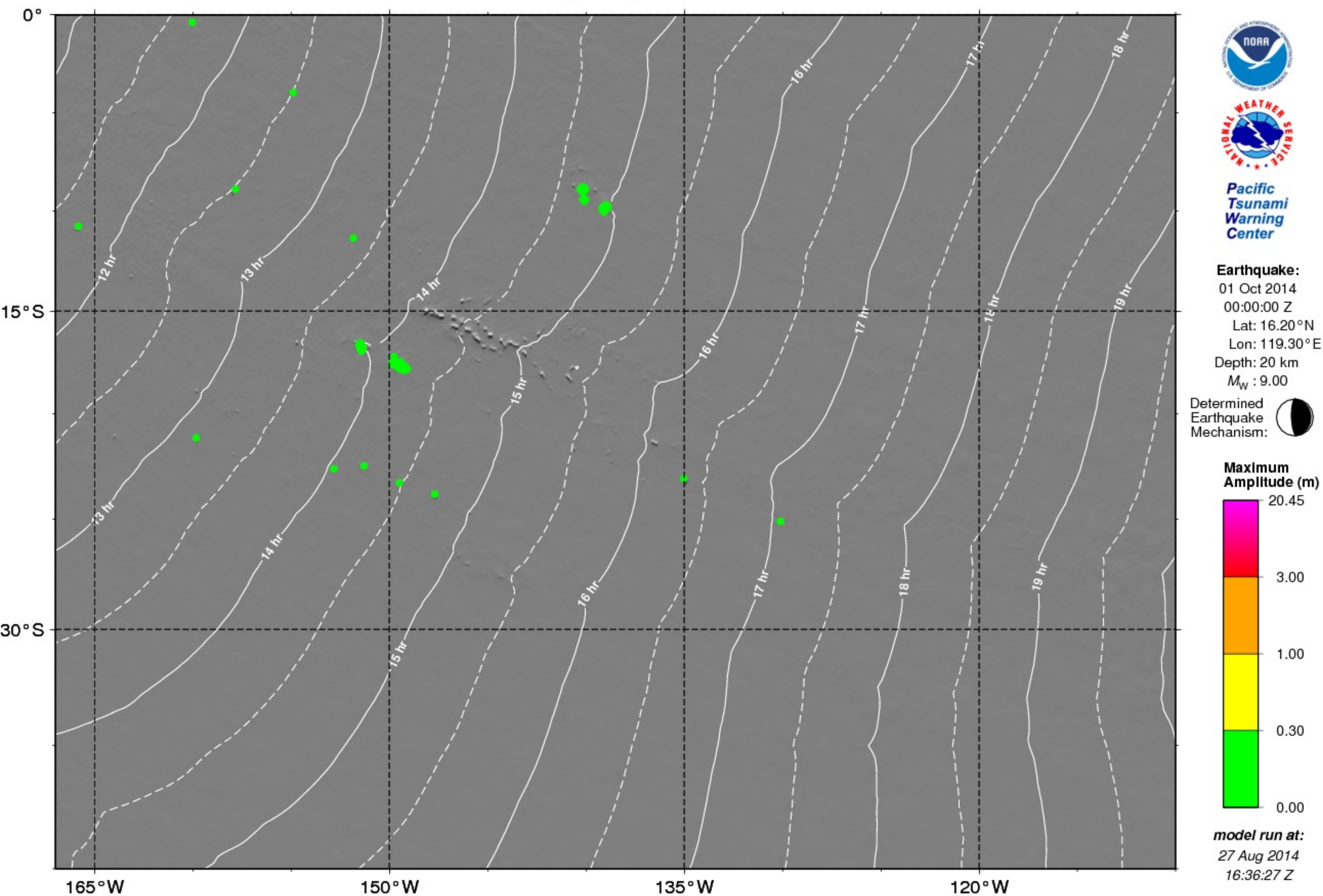
This message is issued for information only in support of the UNESCO/IOC Pacific Tsunami Warning and Mitigation System and is meant for national authorities in each country of that system. National authorities will determine the appropriate level of alert for each country and may issue additional or more refined information.



PTWC Coastal Tsunami Amplitude Forecast

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 will likely be much smaller than the forecast indicates.

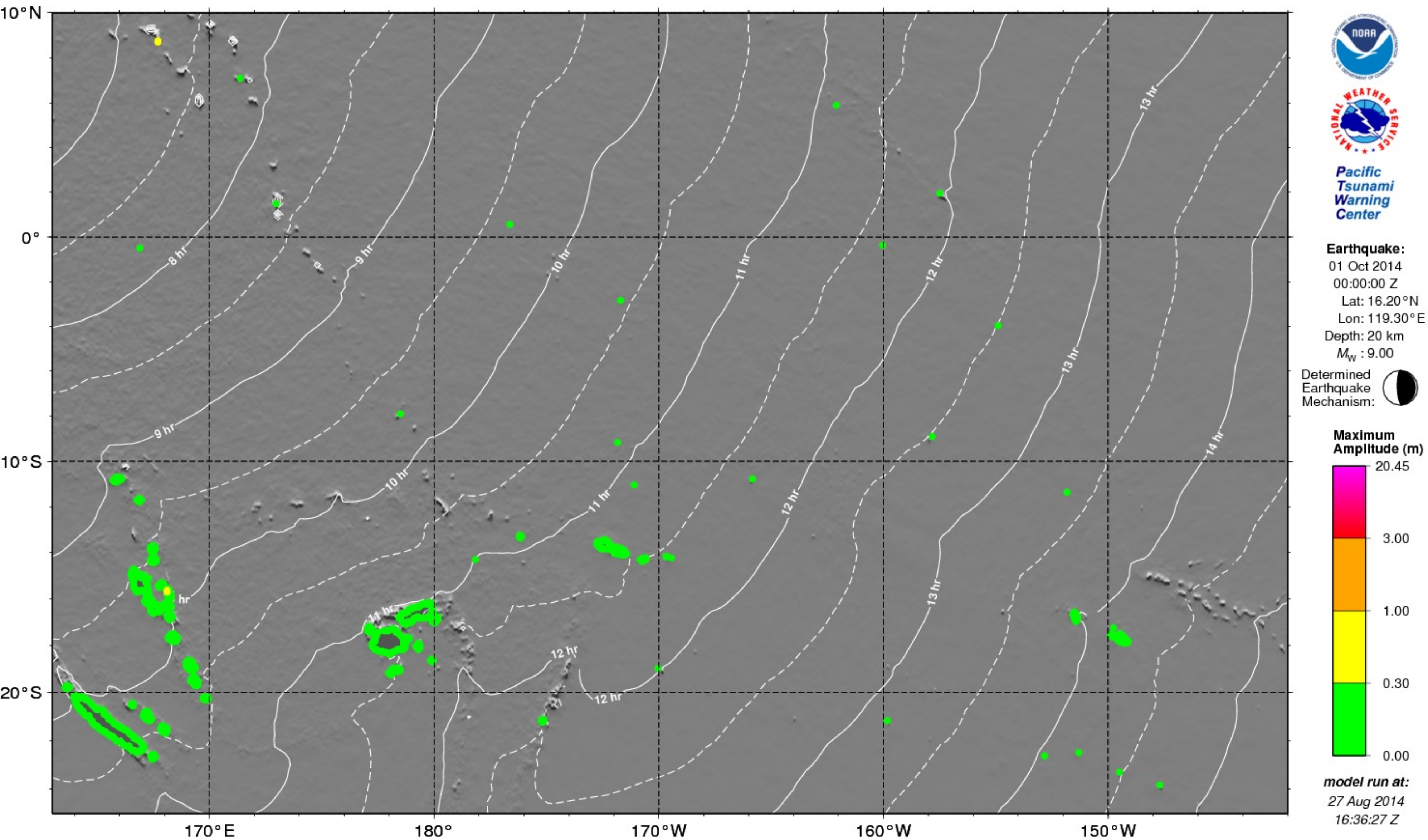
This message is issued for information only in support of the UNESCO/IOC Pacific Tsunami Warning and Mitigation System and is meant for national authorities in each country of that system. National authorities will determine the appropriate level of alert for each country and may issue additional or more refined information.



PTWC Coastal Tsunami Amplitude Forecast

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 will likely be much smaller than the forecast indicates.

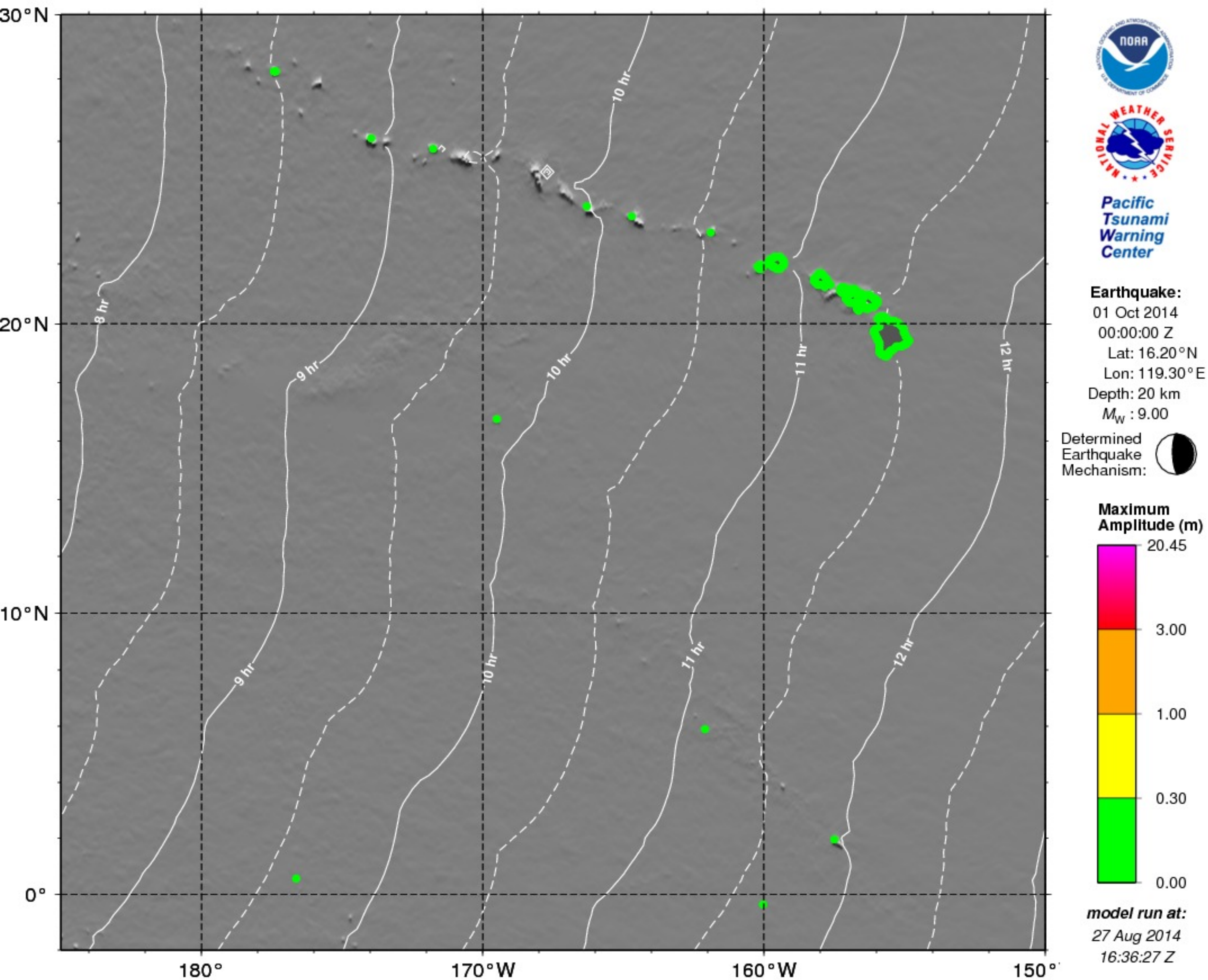
This message is issued for information only in support of the UNESCO/IOC Pacific Tsunami Warning and Mitigation System and is meant for national authorities in each country of that system. National authorities will determine the appropriate level of alert for each country and may issue additional or more refined information.



PTWC Coastal Tsunami Amplitude Forecast

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 will likely be much smaller than the forecast indicates.

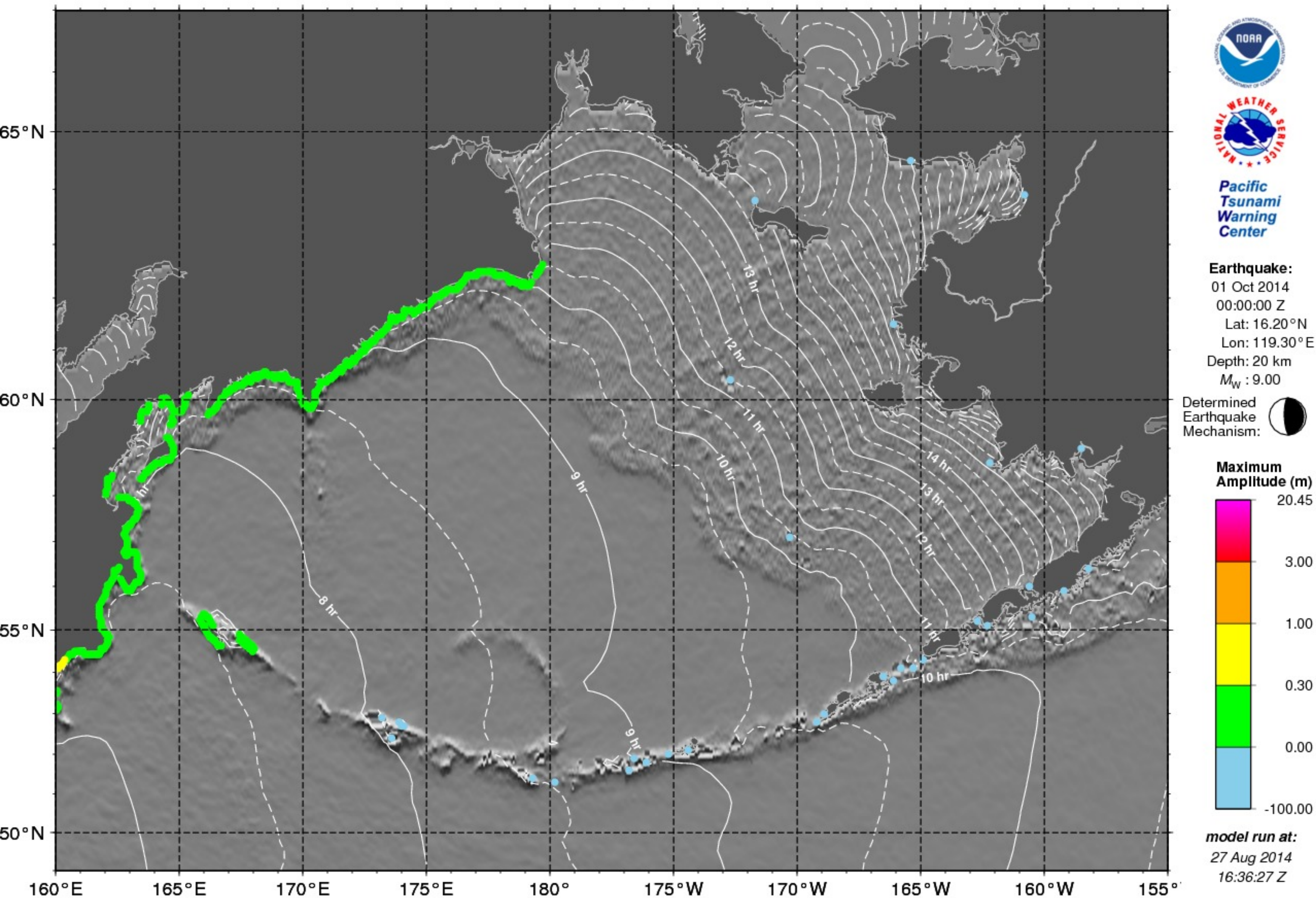
This message is issued for information only in support of the UNESCO/IOC Pacific Tsunami Warning and Mitigation System and is meant for national authorities in each country of that system. National authorities will determine the appropriate level of alert for each country and may issue additional or more refined information.



PTWC Coastal Tsunami Amplitude Forecast

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 will likely be much smaller than the forecast indicates.

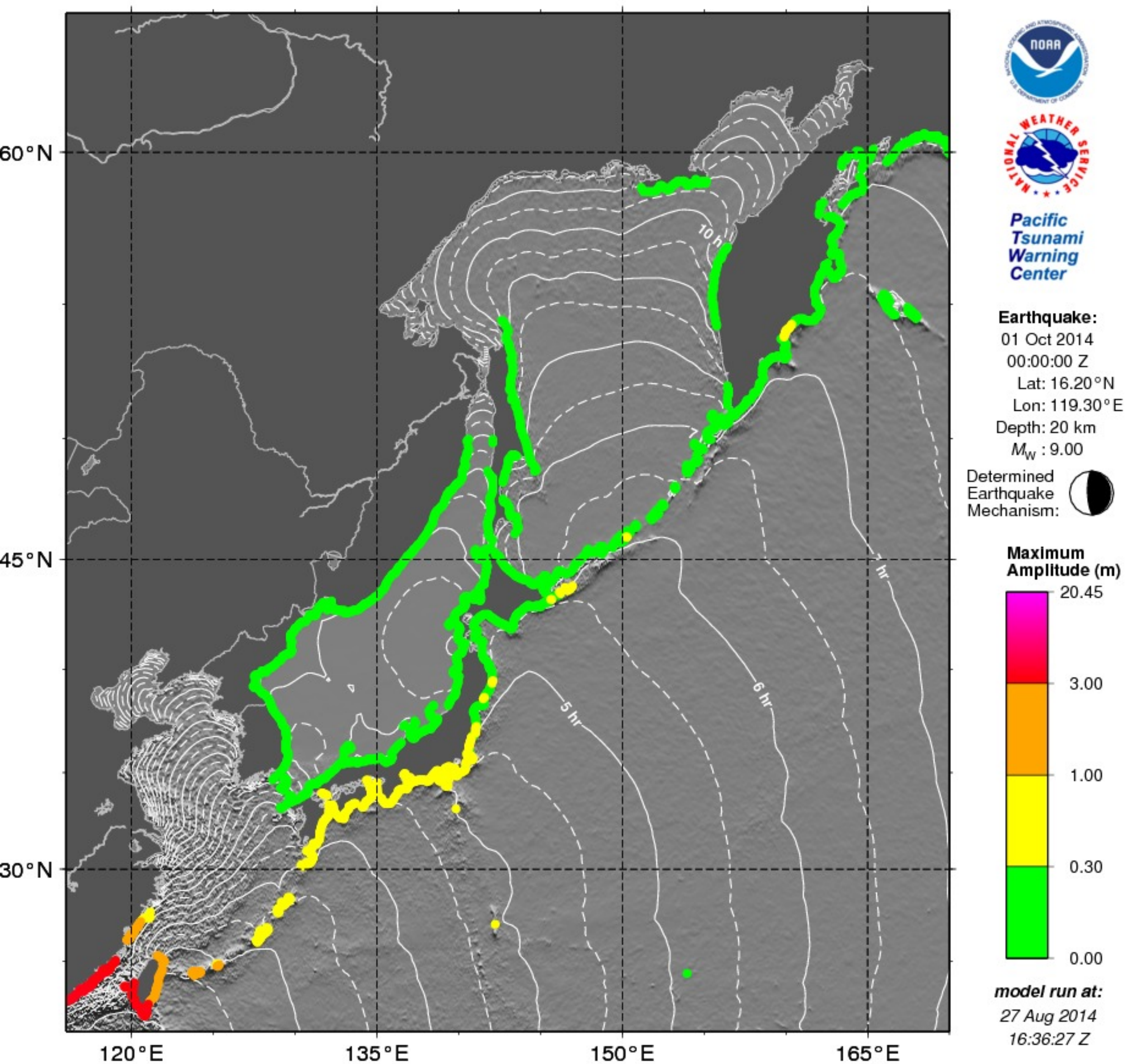
This message is issued for information only in support of the UNESCO/IOC Pacific Tsunami Warning and Mitigation System and is meant for national authorities in each country of that system. National authorities will determine the appropriate level of alert for each country and may issue additional or more refined information.



PTWC Coastal Tsunami Amplitude Forecast

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 will likely be much smaller than the forecast indicates.

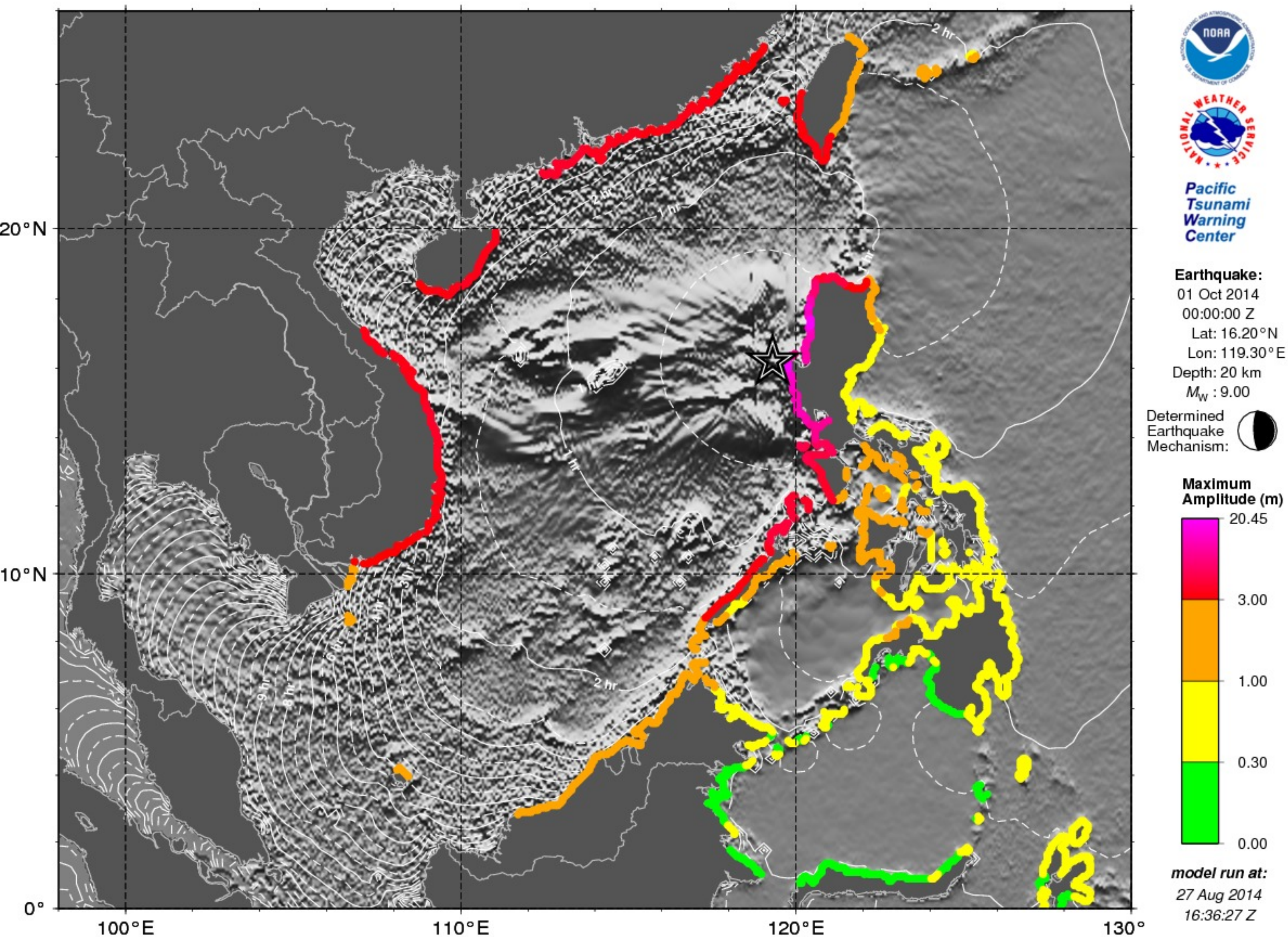
This message is issued for information only in support of the UNESCO/IOC Pacific Tsunami Warning and Mitigation System and is meant for national authorities in each country of that system. National authorities will determine the appropriate level of alert for each country and may issue additional or more refined information.



PTWC Coastal Tsunami Amplitude Forecast

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 will likely be much smaller than the forecast indicates.

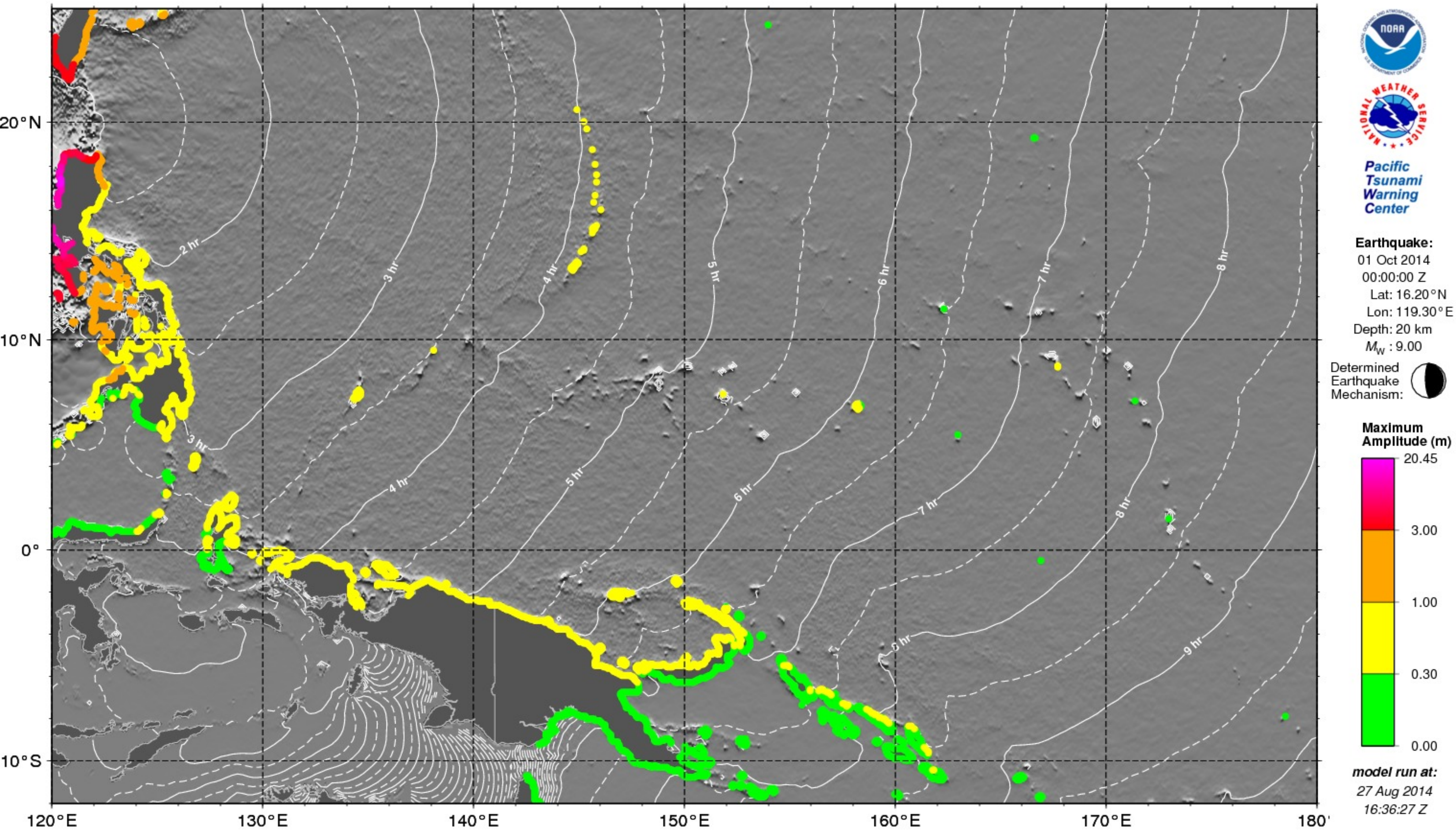
This message is issued for information only in support of the UNESCO/IOC Pacific Tsunami Warning and Mitigation System and is meant for national authorities in each country of that system. National authorities will determine the appropriate level of alert for each country and may issue additional or more refined information.



PTWC Coastal Tsunami Amplitude Forecast

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 will likely be much smaller than the forecast indicates.

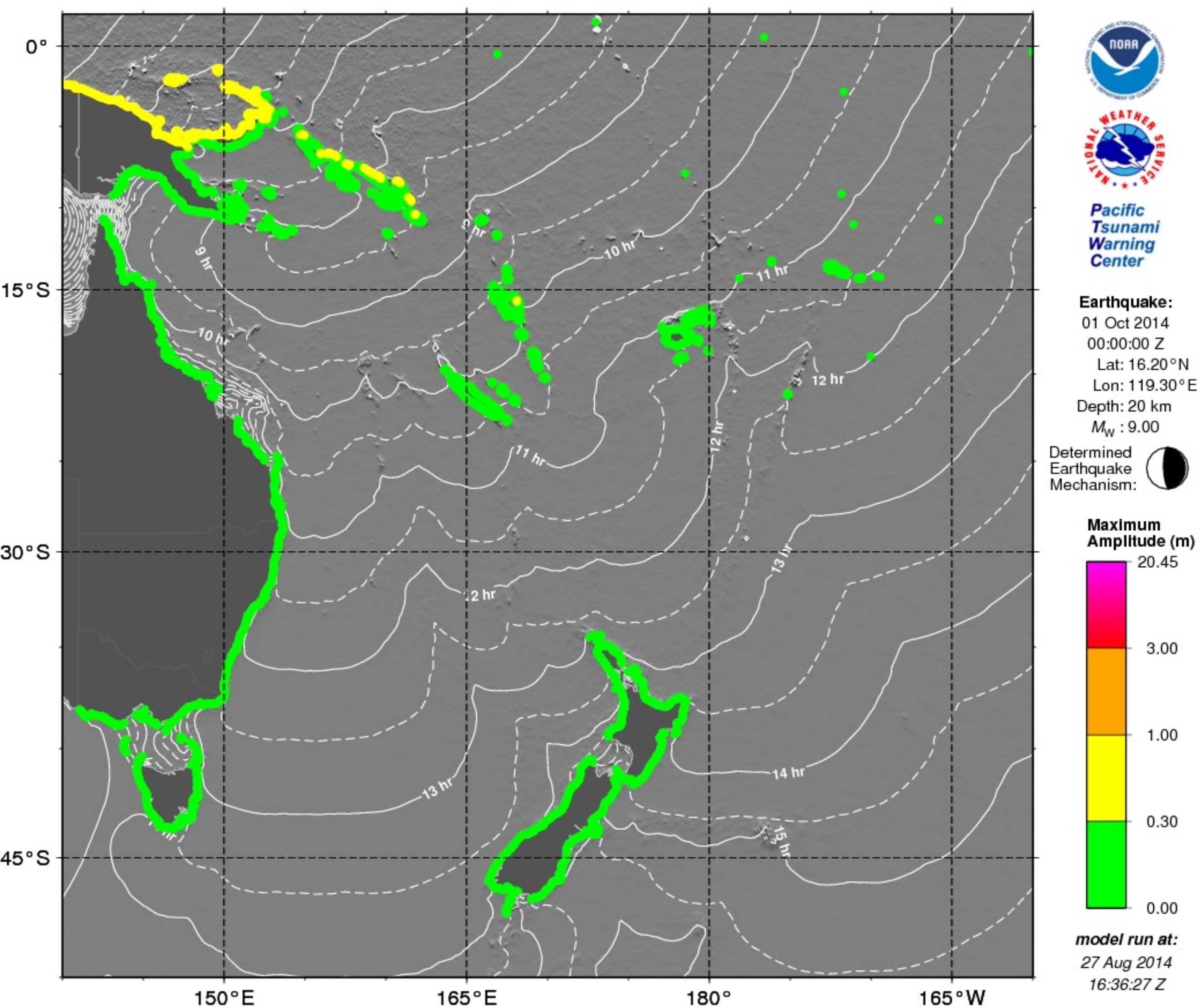
This message is issued for information only in support of the UNESCO/IOC Pacific Tsunami Warning and Mitigation System and is meant for national authorities in each country of that system. National authorities will determine the appropriate level of alert for each country and may issue additional or more refined information.



PTWC Coastal Tsunami Amplitude Forecast

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 will likely be much smaller than the forecast indicates.

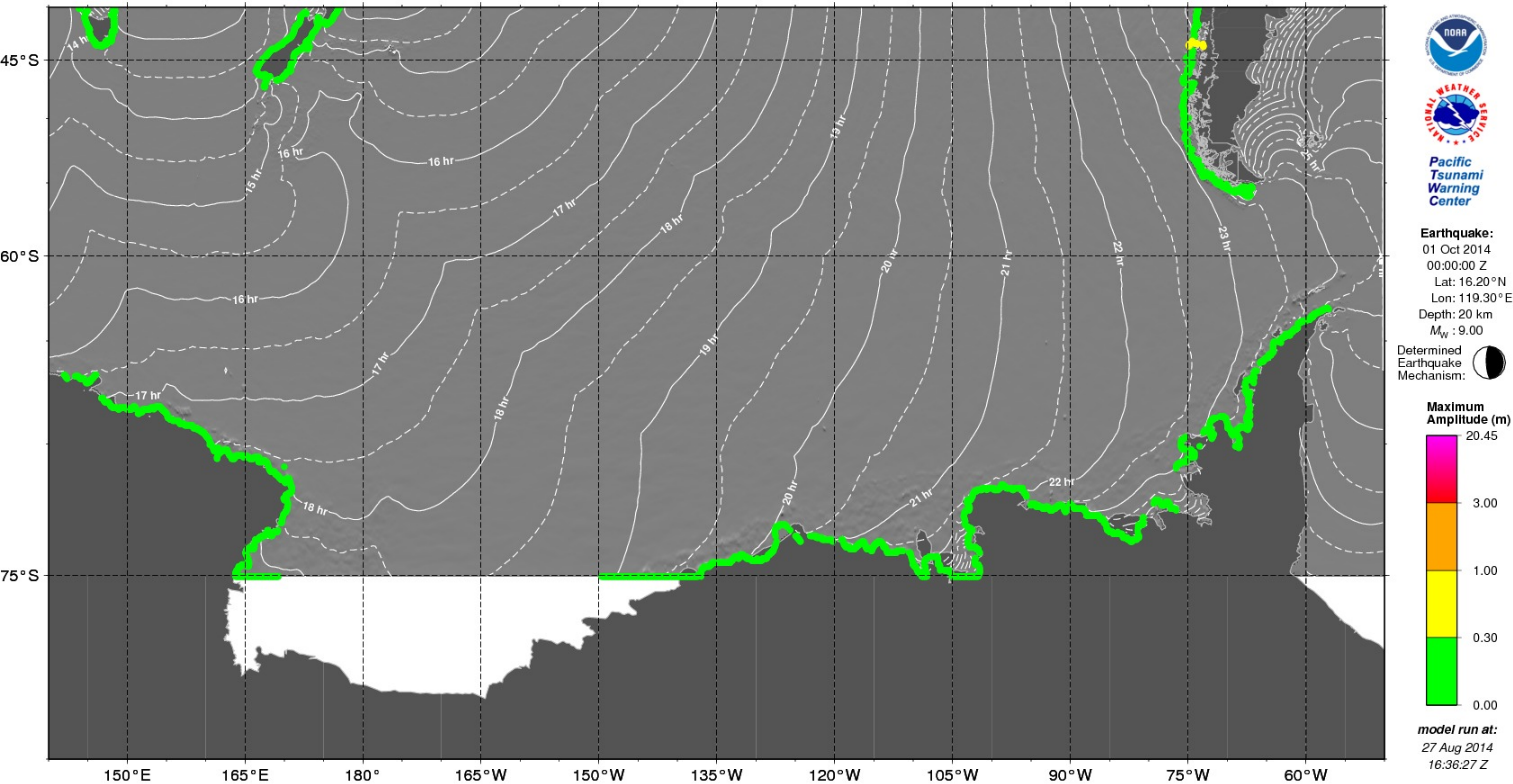
This message is issued for information only in support of the UNESCO/IOC Pacific Tsunami Warning and Mitigation System and is meant for national authorities in each country of that system. National authorities will determine the appropriate level of alert for each country and may issue additional or more refined information.



PTWC Coastal Tsunami Amplitude Forecast

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 will likely be much smaller than the forecast indicates.

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.



PTWC TABLE OF FORECAST STATISTICS FOR REGIONAL POLYGONS – RUN ID 0
(for internal use only – not for distribution)

Earthquake – Origin: 10/01/2014 00:00:00 UTC Coordinates: 16.2N 119.3E Depth: 020km Magnitude: 9.0

This table is issued for information only in support 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.

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 will likely be much smaller than the forecast indicates.

| Region_Name | Coastal Forecast (meters) | | | | Offshore Forecast (meters) | | | | Total Points |
|-----------------------------------------------|---------------------------|-------|--------|------|----------------------------|------|--------|------|--------------|
| | Maximum | Mean | Median | STD | Maximum | Mean | Median | STD | |
| Western_Coast_of_the_Northern_Philippines | 20. | 12.10 | 13.10 | 4.13 | 12. | 4.50 | 4.12 | 2.47 | 125 |
| Interior_Seas_of_the_Philippines | 8.7 | 0.92 | 0.70 | 0.91 | 2.3 | 0.32 | 0.23 | 0.29 | 264 |
| Palawan_Island_Philippines | 7.0 | 3.43 | 3.18 | 2.12 | 3.5 | 1.80 | 1.84 | 0.78 | 130 |
| Sulu_Sea_Coast_of_the_Philippines | 5.9 | 1.74 | 1.32 | 1.33 | 2.1 | 0.65 | 0.53 | 0.41 | 120 |
| Southern_Coast_of_China | 5.9 | 4.65 | 4.61 | 0.75 | 3.7 | 2.05 | 2.04 | 0.51 | 130 |
| Southern_Coast_of_Vietnam | 5.8 | 4.15 | 4.11 | 1.01 | 5.0 | 2.07 | 2.12 | 0.97 | 112 |
| Hainan_Island_China | 5.1 | 4.43 | 4.43 | 0.43 | 3.0 | 2.15 | 2.16 | 0.36 | 46 |
| Northern_Coast_of_Vietnam | 4.7 | 4.60 | 4.56 | 0.05 | 3.2 | 2.05 | 2.02 | 0.49 | 33 |
| Western_Coast_of_Taiwan | 4.3 | 3.64 | 3.88 | 0.82 | 2.4 | 1.52 | 1.55 | 0.49 | 32 |
| Eastern_Coast_of_Taiwan | 4.2 | 2.31 | 2.08 | 0.99 | 3.8 | 0.83 | 0.60 | 0.68 | 49 |
| Pacific_Coast_of_the_Philippines | 3.3 | 0.74 | 0.62 | 0.52 | 2.5 | 0.33 | 0.25 | 0.33 | 350 |
| Northwest_Coast_of_Sabah_Malaysia | 2.8 | 2.54 | 2.68 | 0.23 | 2.0 | 1.39 | 1.38 | 0.21 | 51 |
| Southwest_Coast_of_Sabah_Malaysia | 2.8 | 2.64 | 2.54 | 0.16 | 1.4 | 1.03 | 1.00 | 0.14 | 42 |
| Brunei | 2.7 | 2.46 | 2.53 | 0.17 | 1.7 | 1.33 | 1.27 | 0.17 | 16 |
| Sulu_Sea_Coast_of_Sabah_Malaysia | 2.7 | 1.21 | 0.93 | 0.73 | 1.7 | 0.92 | 0.87 | 0.29 | 54 |
| Natuna_Islands_Indonesia | 2.2 | 2.22 | 2.22 | 0.00 | 1.3 | 0.81 | 0.71 | 0.23 | 6 |
| Nansei_Islands_Japan | 1.3 | 0.70 | 0.62 | 0.22 | 1.5 | 0.38 | 0.31 | 0.25 | 81 |
| Southeastern_Coast_of_China | 1.2 | 1.13 | 1.17 | 0.10 | 1.0 | 0.60 | 0.58 | 0.11 | 30 |
| Sulu_Archipelago_Philippines | 0.92 | 0.38 | 0.34 | 0.17 | 0.65 | 0.30 | 0.28 | 0.16 | 52 |
| East_Coast_of_Japanese_Main_Islands | 0.82 | 0.45 | 0.49 | 0.16 | 0.83 | 0.23 | 0.22 | 0.10 | 407 |
| Palau | 0.73 | 0.52 | 0.49 | 0.14 | 0.49 | 0.27 | 0.26 | 0.13 | 15 |
| Guam | 0.72 | 0.62 | 0.62 | 0.05 | 0.32 | 0.21 | 0.20 | 0.05 | 12 |
| Pacific_Side_of_Papua_Indonesia | 0.66 | 0.53 | 0.54 | 0.06 | 0.46 | 0.21 | 0.20 | 0.07 | 266 |
| Izu_and_Ogasawara_Islands_Japan | 0.65 | 0.59 | 0.59 | 0.06 | 0.27 | 0.22 | 0.22 | 0.05 | 2 |
| Northern_Marianas | 0.64 | 0.54 | 0.55 | 0.06 | 0.57 | 0.17 | 0.14 | 0.12 | 19 |
| Bismarck_Sea_Coast_of_Papua_New_Guinea | 0.64 | 0.46 | 0.45 | 0.07 | 0.37 | 0.16 | 0.15 | 0.06 | 152 |
| Halmahera_Indonesia | 0.63 | 0.39 | 0.34 | 0.15 | 0.34 | 0.15 | 0.14 | 0.06 | 190 |
| West_Coast_of_Japanese_Main_Islands | 0.62 | 0.08 | 0.05 | 0.08 | 0.29 | 0.04 | 0.02 | 0.04 | 465 |
| Manus_Island_Papua_New_Guinea | 0.59 | 0.52 | 0.52 | 0.03 | 0.37 | 0.25 | 0.25 | 0.07 | 23 |
| New_Britain-Solomon_Sea_Coast_of_New_Britain | 0.57 | 0.19 | 0.16 | 0.08 | 0.26 | 0.07 | 0.05 | 0.05 | 82 |
| New_Britain-Bismarck_Sea_Coast_of_New_Britain | 0.57 | 0.42 | 0.42 | 0.04 | 0.37 | 0.17 | 0.16 | 0.05 | 86 |
| Talaud_Islands_Indonesia | 0.55 | 0.43 | 0.45 | 0.08 | 0.29 | 0.14 | 0.13 | 0.05 | 19 |
| Yap_State_Micronesia | 0.54 | 0.54 | 0.54 | 0.00 | 0.34 | 0.34 | 0.34 | 0.00 | 1 |
| New_Ireland | 0.52 | 0.36 | 0.38 | 0.09 | 0.37 | 0.11 | 0.10 | 0.06 | 127 |
| Choisel_to_Philip_Solomon_Islands | 0.40 | 0.19 | 0.15 | 0.08 | 0.24 | 0.07 | 0.06 | 0.04 | 339 |
| Celebes_Sea_Coast_of_the_Philippines | 0.40 | 0.28 | 0.27 | 0.04 | 0.38 | 0.11 | 0.09 | 0.06 | 67 |
| Celebes_Sea_Coast_of_Sabah_Malaysia | 0.37 | 0.30 | 0.30 | 0.04 | 0.59 | 0.22 | 0.19 | 0.11 | 27 |
| Pohnpei_State_Micronesia | 0.36 | 0.32 | 0.33 | 0.03 | 0.26 | 0.13 | 0.11 | 0.06 | 10 |

| | | | | | | | | | |
|-----------------------------------------------------|------|------|------|------|------|------|------|------|-----|
| South_Central_Chile | 0.35 | 0.18 | 0.15 | 0.07 | 0.22 | 0.10 | 0.10 | 0.04 | 167 |
| Celebes_Sea_Coast_of_Sulawesi_Indonesia | 0.35 | 0.26 | 0.27 | 0.04 | 0.22 | 0.10 | 0.10 | 0.04 | 87 |
| Southern_Chile | 0.33 | 0.10 | 0.10 | 0.05 | 0.21 | 0.06 | 0.05 | 0.03 | 382 |
| Solomon_Sea_Coast_of_Papua_New_Guinea | 0.33 | 0.16 | 0.15 | 0.05 | 0.18 | 0.06 | 0.05 | 0.03 | 141 |
| Pacific_Coast_of_Kamchatka_Russia | 0.33 | 0.22 | 0.22 | 0.04 | 0.29 | 0.13 | 0.13 | 0.05 | 157 |
| Urup_Etorofu_Kunashiri_Shikotan_and_Habomai_Islands | 0.33 | 0.16 | 0.14 | 0.08 | 0.34 | 0.07 | 0.06 | 0.06 | 101 |
| Bougainville_Papua_New_Guinea | 0.33 | 0.22 | 0.23 | 0.07 | 0.29 | 0.11 | 0.09 | 0.05 | 75 |
| Chuuk_State_Micronesia | 0.33 | 0.33 | 0.33 | 0.00 | 0.27 | 0.27 | 0.27 | 0.00 | 1 |
| Vanuatu | 0.32 | 0.20 | 0.19 | 0.04 | 0.19 | 0.07 | 0.06 | 0.03 | 189 |
| Sangihe_Islands_Indonesia | 0.31 | 0.27 | 0.26 | 0.03 | 0.19 | 0.09 | 0.09 | 0.04 | 13 |
| Marshall_Islands | 0.31 | 0.28 | 0.30 | 0.04 | 0.25 | 0.12 | 0.09 | 0.09 | 4 |
| Celebes_Sea_Coast_of_Borneo_Indonesia | 0.30 | 0.25 | 0.25 | 0.03 | 0.21 | 0.12 | 0.11 | 0.03 | 57 |
| Santa_Cruz_Islands | 0.29 | 0.25 | 0.25 | 0.03 | 0.14 | 0.09 | 0.08 | 0.02 | 18 |
| Minamitorishima_Japan | 0.29 | 0.29 | 0.29 | 0.00 | 0.04 | 0.04 | 0.04 | 0.00 | 1 |
| Komandorsky_Islands_Russia | 0.28 | 0.22 | 0.22 | 0.04 | 0.29 | 0.13 | 0.12 | 0.05 | 38 |
| Bering_Sea_Coast_of_Eastern_Russia | 0.26 | 0.15 | 0.15 | 0.03 | 0.19 | 0.08 | 0.08 | 0.03 | 328 |
| Kuril_Islands_Russia | 0.26 | 0.16 | 0.16 | 0.05 | 0.21 | 0.07 | 0.07 | 0.04 | 95 |
| Fiji | 0.25 | 0.17 | 0.16 | 0.04 | 0.23 | 0.08 | 0.07 | 0.04 | 151 |
| Hawaii | 0.25 | 0.18 | 0.17 | 0.03 | 0.19 | 0.06 | 0.05 | 0.03 | 147 |
| Northern_Chile | 0.24 | 0.16 | 0.15 | 0.03 | 0.14 | 0.05 | 0.05 | 0.03 | 119 |
| Wake_Island | 0.24 | 0.22 | 0.21 | 0.01 | 0.04 | 0.04 | 0.03 | 0.00 | 3 |
| Kosrae_State_Micronesia | 0.23 | 0.23 | 0.23 | 0.00 | 0.03 | 0.03 | 0.03 | 0.00 | 1 |
| Northwestern_Hawaiian_Islands | 0.23 | 0.22 | 0.21 | 0.01 | 0.25 | 0.13 | 0.12 | 0.07 | 5 |
| Gilbert_Islands_Kiribati | 0.21 | 0.21 | 0.21 | 0.00 | 0.11 | 0.11 | 0.11 | 0.00 | 1 |
| Samoa | 0.21 | 0.16 | 0.16 | 0.03 | 0.17 | 0.05 | 0.04 | 0.03 | 40 |
| Nauru | 0.20 | 0.20 | 0.20 | 0.00 | 0.03 | 0.03 | 0.03 | 0.00 | 1 |
| Midway_Island | 0.20 | 0.19 | 0.20 | 0.00 | 0.19 | 0.14 | 0.11 | 0.04 | 3 |
| North_Central_Chile | 0.19 | 0.14 | 0.14 | 0.02 | 0.17 | 0.06 | 0.05 | 0.03 | 120 |
| Society_Islands | 0.19 | 0.14 | 0.14 | 0.03 | 0.09 | 0.04 | 0.03 | 0.01 | 35 |
| Southern_Peru | 0.19 | 0.12 | 0.12 | 0.02 | 0.12 | 0.05 | 0.05 | 0.02 | 76 |
| Galapagos_Islands | 0.19 | 0.12 | 0.12 | 0.02 | 0.13 | 0.04 | 0.03 | 0.02 | 94 |
| Trobriand_Woodlark_and_Louisade_Islands | 0.18 | 0.12 | 0.11 | 0.03 | 0.13 | 0.06 | 0.06 | 0.03 | 71 |
| Johnston_Atoll | 0.18 | 0.18 | 0.18 | 0.00 | 0.03 | 0.03 | 0.03 | 0.00 | 1 |
| Pacific_Side_of_Baja_Mexico | 0.18 | 0.15 | 0.15 | 0.02 | 0.23 | 0.10 | 0.09 | 0.04 | 75 |
| New_Caledonia | 0.17 | 0.11 | 0.12 | 0.03 | 0.20 | 0.06 | 0.06 | 0.03 | 153 |
| Line_Islands_Kiribati | 0.17 | 0.12 | 0.11 | 0.03 | 0.04 | 0.02 | 0.01 | 0.01 | 3 |
| Marquesas_Islands | 0.16 | 0.13 | 0.13 | 0.02 | 0.05 | 0.03 | 0.03 | 0.01 | 24 |
| Jalisco_Mexico | 0.16 | 0.13 | 0.13 | 0.01 | 0.19 | 0.07 | 0.06 | 0.04 | 33 |
| Pacific_Side_of_Baja_Sud_Mexico | 0.16 | 0.13 | 0.13 | 0.02 | 0.18 | 0.09 | 0.09 | 0.03 | 110 |
| Wallis_and_Futuna | 0.16 | 0.13 | 0.13 | 0.01 | 0.10 | 0.06 | 0.05 | 0.03 | 5 |
| Tuvalu | 0.15 | 0.15 | 0.15 | 0.00 | 0.02 | 0.02 | 0.02 | 0.00 | 1 |
| Northern_Peru | 0.15 | 0.11 | 0.11 | 0.02 | 0.15 | 0.08 | 0.08 | 0.02 | 100 |
| Tonga | 0.15 | 0.13 | 0.14 | 0.02 | 0.14 | 0.11 | 0.12 | 0.02 | 4 |
| Palmyra_Island | 0.15 | 0.15 | 0.15 | 0.00 | 0.02 | 0.02 | 0.02 | 0.00 | 1 |
| Howland_and_Baker | 0.14 | 0.14 | 0.14 | 0.00 | 0.02 | 0.02 | 0.02 | 0.00 | 1 |
| Coral_Sea_Coast_of_Papua_New_Guinea | 0.14 | 0.05 | 0.05 | 0.02 | 0.06 | 0.03 | 0.02 | 0.01 | 164 |
| Ecuador | 0.14 | 0.08 | 0.11 | 0.05 | 0.19 | 0.05 | 0.06 | 0.04 | 163 |
| Central_Peru | 0.14 | 0.10 | 0.10 | 0.01 | 0.14 | 0.07 | 0.07 | 0.02 | 104 |
| Pacific_Coast_of_Colombia | 0.14 | 0.11 | 0.11 | 0.01 | 0.10 | 0.05 | 0.05 | 0.02 | 98 |
| Phoenix_Islands_Kiribati | 0.14 | 0.14 | 0.14 | 0.00 | 0.05 | 0.05 | 0.05 | 0.00 | 1 |
| Southern_Queensland_Australia | 0.13 | 0.07 | 0.06 | 0.03 | 0.07 | 0.03 | 0.03 | 0.01 | 142 |
| Nayarit_Mexico | 0.13 | 0.10 | 0.09 | 0.01 | 0.10 | 0.06 | 0.06 | 0.02 | 32 |

| | | | | | | | | | |
|----------------------------------------------------|------|------|------|------|------|------|------|------|-----|
| Guerrero_Mexico | 0.13 | 0.10 | 0.10 | 0.01 | 0.09 | 0.05 | 0.05 | 0.02 | 56 |
| Eastern_Coast_of_the_Republic_of_Korea | 0.13 | 0.08 | 0.06 | 0.03 | 0.16 | 0.05 | 0.04 | 0.04 | 59 |
| Michoacan_Mexico | 0.13 | 0.11 | 0.10 | 0.01 | 0.13 | 0.05 | 0.05 | 0.02 | 27 |
| Pacific_Coast_of_Costa_Rica | 0.13 | 0.10 | 0.10 | 0.01 | 0.12 | 0.05 | 0.05 | 0.02 | 79 |
| Pacific_Coast_of_Panama | 0.13 | 0.10 | 0.10 | 0.01 | 0.09 | 0.05 | 0.04 | 0.01 | 91 |
| Colima_Mexico | 0.13 | 0.12 | 0.12 | 0.01 | 0.12 | 0.07 | 0.07 | 0.03 | 12 |
| West_Side_of_North_Island_New_Zealand | 0.13 | 0.06 | 0.06 | 0.01 | 0.10 | 0.05 | 0.05 | 0.02 | 76 |
| Cook_Islands | 0.13 | 0.10 | 0.09 | 0.02 | 0.02 | 0.01 | 0.01 | 0.00 | 3 |
| North_Side_of_North_Island_New_Zealand | 0.13 | 0.10 | 0.10 | 0.01 | 0.17 | 0.08 | 0.07 | 0.02 | 114 |
| Cocos_Island_Costa_Rica | 0.12 | 0.12 | 0.12 | 0.00 | 0.02 | 0.02 | 0.02 | 0.00 | 1 |
| American_Samoa | 0.12 | 0.11 | 0.10 | 0.01 | 0.04 | 0.03 | 0.02 | 0.01 | 18 |
| Jarvis_Island | 0.12 | 0.12 | 0.12 | 0.00 | 0.02 | 0.02 | 0.02 | 0.00 | 1 |
| Marie_Byrd_Land_Coast_of_Antarctica | 0.12 | 0.08 | 0.07 | 0.02 | 0.16 | 0.03 | 0.03 | 0.02 | 806 |
| Oaxaca_Mexico | 0.12 | 0.08 | 0.08 | 0.01 | 0.09 | 0.04 | 0.04 | 0.02 | 68 |
| Sea_of_Okhotsk_Coast_of_Sakhalin_Russia | 0.11 | 0.08 | 0.08 | 0.01 | 0.11 | 0.06 | 0.05 | 0.02 | 150 |
| Easter_Island | 0.11 | 0.11 | 0.11 | 0.00 | 0.02 | 0.02 | 0.02 | 0.00 | 1 |
| East_Side_of_North_Island_New_Zealand | 0.11 | 0.06 | 0.06 | 0.01 | 0.10 | 0.04 | 0.03 | 0.02 | 88 |
| Tokelau | 0.10 | 0.10 | 0.10 | 0.00 | 0.03 | 0.03 | 0.03 | 0.00 | 1 |
| Tuamotu_Archipelago | 0.10 | 0.10 | 0.10 | 0.00 | 0.03 | 0.03 | 0.03 | 0.00 | 1 |
| Austral_Islands | 0.10 | 0.09 | 0.09 | 0.01 | 0.02 | 0.02 | 0.02 | 0.00 | 4 |
| Chiapas_Mexico | 0.10 | 0.09 | 0.09 | 0.01 | 0.09 | 0.06 | 0.06 | 0.01 | 28 |
| Gulf_Side_of_Baja_Sud_Mexico | 0.09 | 0.05 | 0.04 | 0.01 | 0.05 | 0.01 | 0.01 | 0.01 | 99 |
| Western_Coast_of_Kamchatka_Russia | 0.09 | 0.07 | 0.06 | 0.01 | 0.10 | 0.06 | 0.06 | 0.01 | 54 |
| Niue | 0.09 | 0.09 | 0.09 | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | 1 |
| Pacific_Coast_of_Guatemala | 0.09 | 0.08 | 0.08 | 0.00 | 0.07 | 0.04 | 0.05 | 0.01 | 33 |
| Victoria_Oates_and_George_V_Coast_of_Antarctica | 0.08 | 0.05 | 0.05 | 0.02 | 0.09 | 0.02 | 0.02 | 0.01 | 630 |
| Pitcairn_Islands | 0.08 | 0.08 | 0.08 | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | 1 |
| Sinaloa_Mexico | 0.08 | 0.06 | 0.06 | 0.01 | 0.08 | 0.04 | 0.03 | 0.02 | 77 |
| New_South_Wales_Australia | 0.08 | 0.06 | 0.06 | 0.01 | 0.08 | 0.05 | 0.05 | 0.01 | 150 |
| El_Salvador | 0.08 | 0.07 | 0.07 | 0.01 | 0.08 | 0.05 | 0.05 | 0.01 | 37 |
| Northern_Queensland_Australia | 0.07 | 0.05 | 0.05 | 0.01 | 0.04 | 0.02 | 0.02 | 0.01 | 211 |
| West_Side_of_South_Island_New_Zealand | 0.07 | 0.06 | 0.06 | 0.01 | 0.09 | 0.04 | 0.04 | 0.02 | 139 |
| Pacific_Coast_of_Nicaragua | 0.07 | 0.07 | 0.07 | 0.00 | 0.09 | 0.05 | 0.05 | 0.01 | 35 |
| Ellsworth_Land_Coast_of_Antarctica | 0.07 | 0.05 | 0.04 | 0.01 | 0.06 | 0.02 | 0.02 | 0.01 | 274 |
| Northeast_Side_of_the_Antarctic_Peninsula | 0.07 | 0.05 | 0.05 | 0.01 | 0.06 | 0.02 | 0.02 | 0.01 | 436 |
| Pacific_Coast_of_Honduras | 0.07 | 0.07 | 0.07 | 0.00 | 0.04 | 0.04 | 0.04 | 0.00 | 3 |
| Tasmania | 0.06 | 0.03 | 0.04 | 0.01 | 0.04 | 0.02 | 0.02 | 0.01 | 167 |
| East_Coast_of_Russia_on_the_Sea_of_Okhotsk | 0.06 | 0.06 | 0.06 | 0.00 | 0.05 | 0.03 | 0.03 | 0.01 | 61 |
| East_Side_of_South_Island_New_Zealand | 0.06 | 0.05 | 0.05 | 0.01 | 0.06 | 0.03 | 0.03 | 0.01 | 158 |
| Sonora_Mexico | 0.05 | 0.05 | 0.04 | 0.01 | 0.03 | 0.01 | 0.01 | 0.00 | 97 |
| East_Coast_of_Russia_on_the_Tatarskiy_Straight | 0.05 | 0.05 | 0.04 | 0.01 | 0.03 | 0.02 | 0.02 | 0.00 | 43 |
| Tatarskiy_Straight_Coast_of_Sakhalin_Russia | 0.05 | 0.05 | 0.05 | 0.01 | 0.04 | 0.02 | 0.02 | 0.01 | 47 |
| Gulf_Side_of_Baja_Mexico | 0.05 | 0.05 | 0.05 | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | 40 |
| Eastern_Coast_of_DPR_of_Korea | 0.05 | 0.05 | 0.05 | 0.00 | 0.12 | 0.02 | 0.02 | 0.02 | 89 |
| Victoria_Australia | 0.05 | 0.03 | 0.02 | 0.01 | 0.05 | 0.02 | 0.01 | 0.01 | 130 |
| East_Coast_of_Russia_north_of_the_Korean_Peninsula | 0.04 | 0.03 | 0.03 | 0.00 | 0.05 | 0.01 | 0.01 | 0.01 | 148 |