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
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  * MAGNITUDE   8.6
  * ORIGIN TIME   0000 UTC OCT 1 2014
  * COORDINATES   20.0 SOUTH 173.4 WEST
  * DEPTH   20 KM / 12 MILES
  * LOCATION   TONGA

EVALUATION
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  * AN EARTHQUAKE WITH A PRELIMINARY MAGNITUDE OF 8.6 OCCURRED IN
    THE TONGA ISLANDS 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
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  * HAZARDOUS TSUNAMI WAVES ARE POSSIBLE WITHIN THE NEXT THREE
    HOURS ALONG SOME COASTS OF

NIUE... TONGA... AMERICAN SAMOA... SAMOA... WALLIS AND FUTUNA... TOKELAU... COOK ISLANDS... FIJI... TUVALU... KIRIBATI... HOWLAND AND BAKER... AND NEW ZEALAND.

* 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 INSUFFFICIENT 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)
NIUE ISLAND	NIUE	19.0S 170.0W	0026 10/01
NUKUALOFA	TONGA	21.0S 175.2W	0033 10/01
PAGO PAGO	AMERICAN SAMOA	14.3S 170.7W	0050 10/01
APIA	SAMOA	13.8S 171.8W	0100 10/01
WALLIS ISLAND	WALLIS AND FUTUN	13.3S 176.3W	0110 10/01
NUKUNONU ISLAND	TOKELAU	9.2S 171.8W	0130 10/01
FUTUNA ISLAND	WALLIS AND FUTUN	14.3S 178.2W	0132 10/01
PUKAPUKA ISLAND	COOK ISLANDS	10.8S 165.9W	0133 10/01
RAROTONGA	COOK ISLANDS	21.2S 159.8W	0144 10/01
SUVA	FIJI	18.1S 178.4E	0151 10/01
FUNAFUTI ISLAND	TUVALU	7.9S 178.5E	0216 10/01
KANTON ISLAND	KIRIBATI	2.8S 171.7W	0222 10/01
PENRYN ISLAND	COOK ISLANDS	8.9S 157.8W	0239 10/01
HOWLAND ISLAND	HOWLAND AND BAKE	0.6N 176.6W	0249 10/01

EAST CAPE	NEW ZEALAND	37.7S 178.5E	0251 10/01
NORTH CAPE	NEW ZEALAND	34.4S 173.3E	0253 10/01
GISBORNE	NEW ZEALAND	38.7S 178.0E	0257 10/01
FLINT ISLAND	KIRIBATI	11.4S 151.8W	0303 10/01
ANATOM ISLAND	VANUATU	20.2S 169.9E	0307 10/01
PAPEETE	FRENCH POLYNESIA	17.5S 149.6W	0314 10/01
JARVIS ISLAND	JARVIS ISLAND	0.4S 160.1W	0317 10/01
WELLINGTON	NEW ZEALAND	41.3S 174.8E	0322 10/01
MALDEN ISLAND	KIRIBATI	3.9S 154.9W	0324 10/01
NAPIER	NEW ZEALAND	39.5S 176.9E	0345 10/01
CHRISTMAS ISLAN	KIRIBATI	2.0N 157.5W	0348 10/01
PALMYRA ISLAND	PALMYRA ISLAND	5.9N 162.1W	0349 10/01
ESPERITU SANTO	VANUATU	15.1S 167.3E	0354 10/01
NOUMEA	NEW CALEDONIA	22.3S 166.5E	0356 10/01
AUCKLAND EAST	NEW ZEALAND	36.7S 175.0E	0358 10/01
TARAWA ISLAND	KIRIBATI	1.5N 173.0E	0407 10/01
SANTA CRUZ ISLA	SOLOMON ISLANDS	10.9S 165.9E	0413 10/01
NAURU	NAURU	0.5S 166.9E	0418 10/01
AUCKLAND WEST	NEW ZEALAND	37.1S 174.2E	0422 10/01
MAJURO	MARSHALL ISLANDS	7.1N 171.4E	0433 10/01
KIRAKIRA	SOLOMON ISLANDS	10.4S 161.9E	0438 10/01
HIVA OA	FRENCH POLYNESIA	10.0S 139.0W	0453 10/01
DUNEDIN	NEW ZEALAND	45.9S 170.5E	0457 10/01
KWAJALEIN	MARSHALL ISLANDS	8.7N 167.7E	0459 10/01
JOHNSTON ISLAND	JOHNSTON ISLAND	16.7N 169.5W	0500 10/01
RIKITEA	FRENCH POLYNESIA	23.1S 135.0W	0505 10/01
AUKI	SOLOMON ISLANDS	8.8S 160.6E	0506 10/01
NEW PLYMOUTH	NEW ZEALAND	39.1S 174.1E	0509 10/01
GHATERE	SOLOMON ISLANDS	7.8S 159.2E	0511 10/01
KOSRAE ISLAND	KOSRAE	5.5N 163.0E	0511 10/01
HONIARA	SOLOMON ISLANDS	9.3S 160.0E	0525 10/01
PANGGOE	SOLOMON ISLANDS	6.9S 157.2E	0529 10/01
LYTTELTON	NEW ZEALAND	43.6S 172.7E	0532 10/01
MUNDA	SOLOMON ISLANDS	8.4S 157.2E	0536 10/01
PITCAIRN ISLAND	PITCAIRN	25.1S 130.1W	0546 10/01
KIETA	PAPUA NEW GUINEA	6.1S 155.6E	0548 10/01
WESTPORT	NEW ZEALAND	41.8S 171.6E	0551 10/01
MILFORD SOUND	NEW ZEALAND	44.6S 167.9E	0556 10/01
FALAMAE	SOLOMON ISLANDS	7.4S 155.6E	0556 10/01
ENIWETOK	MARSHALL ISLANDS	11.4N 162.3E	0600 10/01
WAKE ISLAND	WAKE ISLAND	19.3N 166.6E	0602 10/01

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 -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.

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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.

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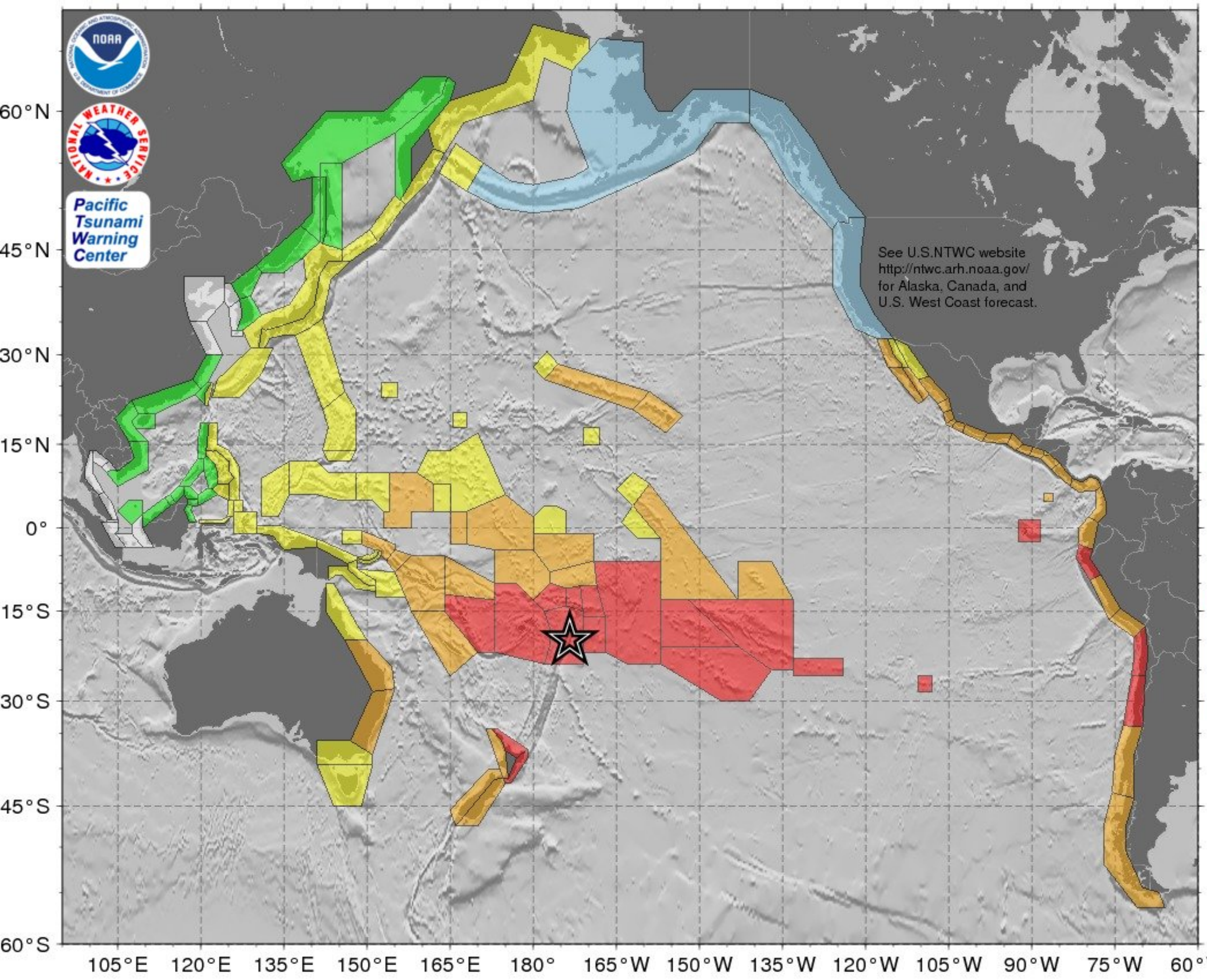

Earthquake:
01 Oct 2014
00:00:00 Z
Lat: 20.00°S
Lon: 173.40°W
Depth: 20 km
M_W : 9.00

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
14:18:17 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.

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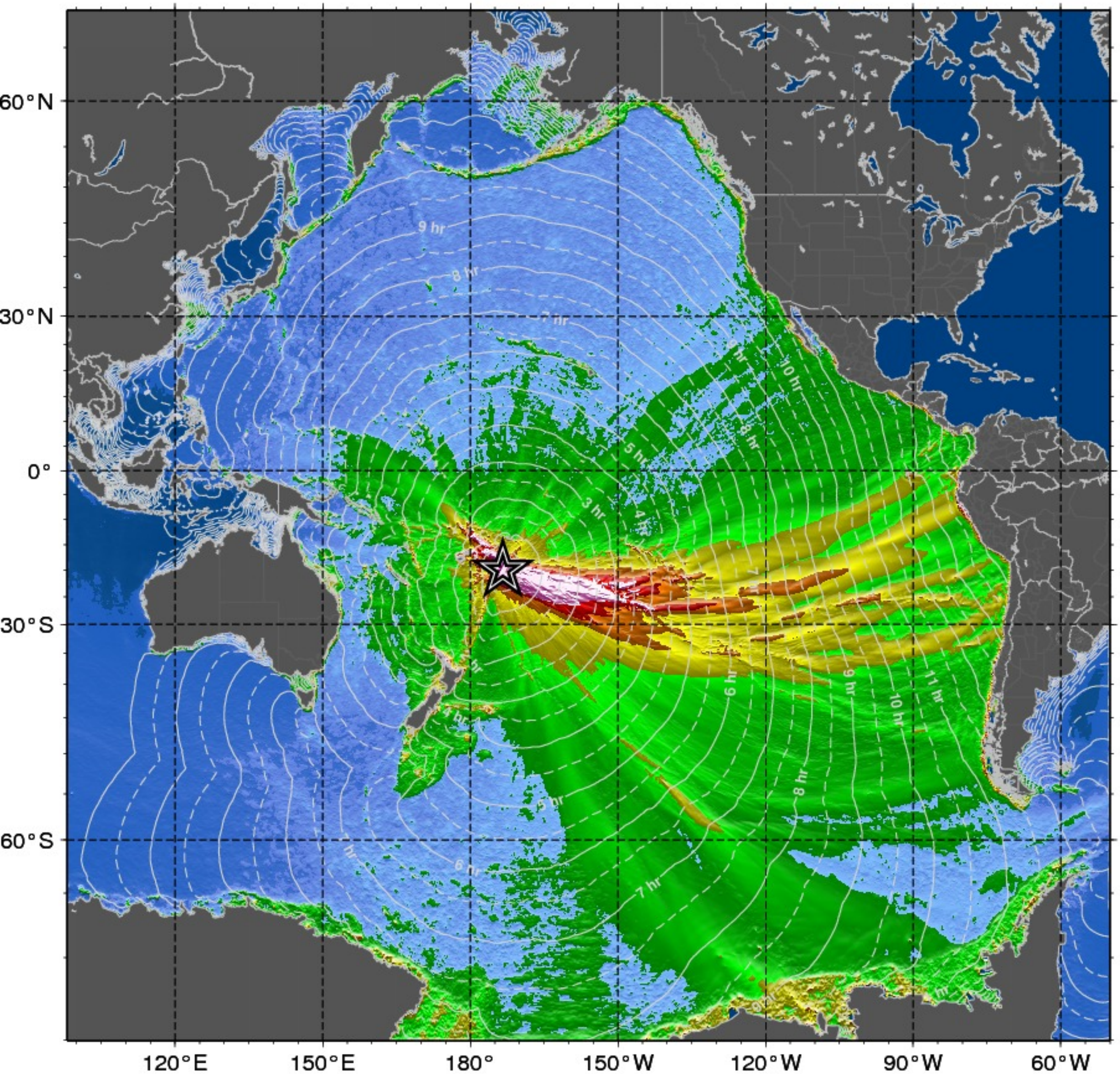

Pacific Tsunami Warning Center

Earthquake:
01 Oct 2014
00:00:00 Z
Lat: 20.00°S
Lon: 173.40°W
Depth: 20 km
M_W : 9.00

Determined Earthquake Mechanism:

Maximum Amplitude (m)

10.94
1.00
0.75
0.50
0.25
0.10
0.05
0.01
0.00

model run at:
27 Aug 2014
14:18:17 Z

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.

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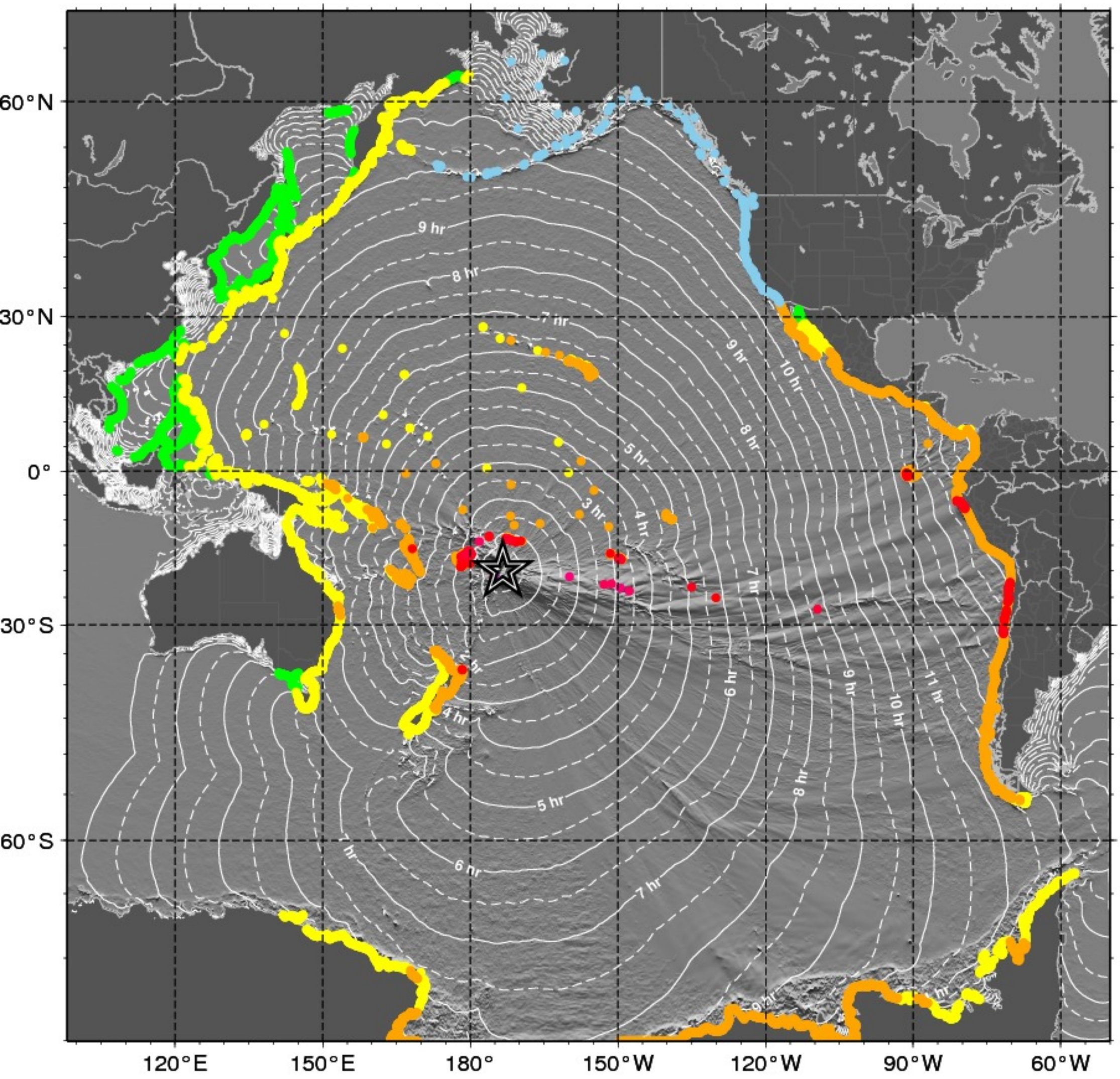

Pacific Tsunami Warning Center

Earthquake:
01 Oct 2014
00:00:00 Z
Lat: 20.00°S
Lon: 173.40°W
Depth: 20 km
M_W : 9.00

Determined Earthquake Mechanism:

Maximum Amplitude (m)

14.13
3.00
1.00
0.30
0.00
-100.00

model run at:
27 Aug 2014
14:18:17 Z

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...

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 INFORMATION.

**** NOTICE **** NOTICE **** NOTICE **** NOTICE **** NOTICE *****

PRELIMINARY EARTHQUAKE PARAMETERS
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  * MAGNITUDE   9.0
  * ORIGIN TIME   0000 UTC OCT 1 2014
  * COORDINATES   20.0 SOUTH 173.4 WEST
  * DEPTH   20 KM / 12 MILES
  * LOCATION   TONGA

EVALUATION
----

  * AN EARTHQUAKE WITH A PRELIMINARY MAGNITUDE OF 9.0 OCCURRED IN
    THE TONGA ISLANDS 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
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  * TSUNAMI WAVES REACHING MORE THAN 3 METERS ABOVE THE TIDE
    LEVEL ARE POSSIBLE ALONG SOME COASTS OF

ECUADOR... PERU... CHILE... NEW ZEALAND... FIJI... SAMOA... AMERICAN SAMOA... COOK ISLANDS... VANUATU... FRENCH POLYNESIA... TONGA... WALLIS AND FUTUNA... PITCAIRN ISLANDS... AND NIUE.

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

  MEXICO... EL SALVADOR... GUATEMALA... COSTA RICA... NICARAGUA... PANAMA... COLOMBIA... ANTARCTICA... AUSTRALIA... NEW CALEDONIA... POHNPEI... TOKELAU... KIRIBATI... NAURU... TUVALU... SOLOMON ISLANDS... PAPUA NEW GUINEA... HAWAII... AND NORTHWESTERN HAWAIIAN ISLANDS.

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

  HONDURAS... JAPAN... PHILIPPINES... TAIWAN... NORTHERN MARIANAS... GUAM... PALAU... YAP... CHUUK... KOSRAE... MARSHALL ISLANDS... WAKE ISLAND... MIDWAY ISLAND... JOHNSTON ATOLL... JARVIS ISLAND... PALMYRA ISLAND... HOWLAND AND BAKER... INDONESIA... AND RUSSIA.

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

  CHINA... REPUBLIC OF KOREA... DPR OF KOREA... VIETNAM... MALAYSIA... AND BRUNEI.

* 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)
NIUE ISLAND	NIUE	19.0S 170.0W	0026 10/01
NUKUALOFA	TONGA	21.0S 175.2W	0033 10/01
PAGO PAGO	AMERICAN SAMOA	14.3S 170.7W	0050 10/01
APIA	SAMOA	13.8S 171.8W	0100 10/01
WALLIS ISLAND	WALLIS AND FUTUN	13.3S 176.3W	0110 10/01
NUKUNONU ISLAND	TOKELAU	9.2S 171.8W	0130 10/01
FUTUNA ISLAND	WALLIS AND FUTUN	14.3S 178.2W	0132 10/01
PUKAPUKA ISLAND	COOK ISLANDS	10.8S 165.9W	0133 10/01
RAROTONGA	COOK ISLANDS	21.2S 159.8W	0144 10/01
SUVA	FIJI	18.1S 178.4E	0151 10/01
FUNAFUTI ISLAND	TUVALU	7.9S 178.5E	0216 10/01
KANTON ISLAND	KIRIBATI	2.8S 171.7W	0222 10/01
PENRYN ISLAND	COOK ISLANDS	8.9S 157.8W	0239 10/01
HOWLAND ISLAND	HOWLAND AND BAKE	0.6N 176.6W	0249 10/01
EAST CAPE	NEW ZEALAND	37.7S 178.5E	0251 10/01
NORTH CAPE	NEW ZEALAND	34.4S 173.3E	0253 10/01
GISBORNE	NEW ZEALAND	38.7S 178.0E	0257 10/01
FLINT ISLAND	KIRIBATI	11.4S 151.8W	0303 10/01
ANATOM ISLAND	VANUATU	20.2S 169.9E	0307 10/01
PAPEETE	FRENCH POLYNESIA	17.5S 149.6W	0314 10/01
JARVIS ISLAND	JARVIS ISLAND	0.4S 160.1W	0317 10/01
WELLINGTON	NEW ZEALAND	41.3S 174.8E	0322 10/01
MALDEN ISLAND	KIRIBATI	3.9S 154.9W	0324 10/01
NAPIER	NEW ZEALAND	39.5S 176.9E	0345 10/01
CHRISTMAS ISLAN	KIRIBATI	2.0N 157.5W	0348 10/01
PALMYRA ISLAND	PALMYRA ISLAND	5.9N 162.1W	0349 10/01
ESPERITU SANTO	VANUATU	15.1S 167.3E	0354 10/01
NOUMEA	NEW CALEDONIA	22.3S 166.5E	0356 10/01
AUCKLAND EAST	NEW ZEALAND	36.7S 175.0E	0358 10/01
TARAWA ISLAND	KIRIBATI	1.5N 173.0E	0407 10/01
SANTA CRUZ ISLA	SOLOMON ISLANDS	10.9S 165.9E	0413 10/01
NAURU	NAURU	0.5S 166.9E	0418 10/01
AUCKLAND WEST	NEW ZEALAND	37.1S 174.2E	0422 10/01

MAJURO	MARSHALL ISLANDS	7.1N	171.4E	0433	10/01
KIRAKIRA	SOLOMON ISLANDS	10.4S	161.9E	0438	10/01
HIVA OA	FRENCH POLYNESIA	10.0S	139.0W	0453	10/01
DUNEDIN	NEW ZEALAND	45.9S	170.5E	0457	10/01
KWAJALEIN	MARSHALL ISLANDS	8.7N	167.7E	0459	10/01
JOHNSTON ISLAND	JOHNSTON ISLAND	16.7N	169.5W	0500	10/01
RIKITEA	FRENCH POLYNESIA	23.1S	135.0W	0505	10/01
AUKI	SOLOMON ISLANDS	8.8S	160.6E	0506	10/01
NEW PLYMOUTH	NEW ZEALAND	39.1S	174.1E	0509	10/01
GHATERE	SOLOMON ISLANDS	7.8S	159.2E	0511	10/01
KOSRAE ISLAND	KOSRAE	5.5N	163.0E	0511	10/01
HONIARA	SOLOMON ISLANDS	9.3S	160.0E	0525	10/01
PANGGOE	SOLOMON ISLANDS	6.9S	157.2E	0529	10/01
LYTTELTON	NEW ZEALAND	43.6S	172.7E	0532	10/01
MUNDA	SOLOMON ISLANDS	8.4S	157.2E	0536	10/01
PITCAIRN ISLAND	PITCAIRN	25.1S	130.1W	0546	10/01
KIETA	PAPUA NEW GUINEA	6.1S	155.6E	0548	10/01
WESTPORT	NEW ZEALAND	41.8S	171.6E	0551	10/01
MILFORD SOUND	NEW ZEALAND	44.6S	167.9E	0556	10/01
FALAMAE	SOLOMON ISLANDS	7.4S	155.6E	0556	10/01
ENIWETOK	MARSHALL ISLANDS	11.4N	162.3E	0600	10/01
WAKE ISLAND	WAKE ISLAND	19.3N	166.6E	0602	10/01
POHNPEI ISLAND	POHNPEI	7.0N	158.2E	0608	10/01
WOODLARK ISLAND	PAPUA NEW GUINEA	9.0S	152.9E	0609	10/01
AMUN	PAPUA NEW GUINEA	6.0S	154.7E	0610	10/01
SYDNEY	AUSTRALIA	33.9S	151.4E	0625	10/01
BRISBANE	AUSTRALIA	27.2S	153.3E	0632	10/01
RABAUL	PAPUA NEW GUINEA	4.2S	152.3E	0634	10/01
MIDWAY ISLAND	MIDWAY ISLAND	28.2N	177.4W	0636	10/01
NELSON	NEW ZEALAND	41.3S	173.3E	0645	10/01
KAVIENG	PAPUA NEW GUINEA	2.5S	150.7E	0704	10/01
PORT MORESBY	PAPUA NEW GUINEA	9.3S	146.9E	0705	10/01
LAE	PAPUA NEW GUINEA	6.8S	147.0E	0705	10/01
ULAMONA	PAPUA NEW GUINEA	5.0S	151.3E	0707	10/01
HOBART	AUSTRALIA	43.3S	147.6E	0711	10/01
BLUFF	NEW ZEALAND	46.6S	168.3E	0712	10/01
MADANG	PAPUA NEW GUINEA	5.2S	145.8E	0731	10/01
CAPE ADARE	ANTARCTICA	71.0S	170.0E	0732	10/01
CHUUK ISLAND	CHUUK	7.4N	151.8E	0739	10/01
MINAMITORISHIMA	MINAMITORISHIMA	24.3N	154.0E	0739	10/01
MANUS ISLAND	PAPUA NEW GUINEA	2.0S	147.5E	0740	10/01
CAIRNS	AUSTRALIA	16.7S	145.8E	0751	10/01
SAIPAN	NORTHERN MARIANA	15.3N	145.8E	0752	10/01
GUAM	GUAM	13.4N	144.7E	0758	10/01
GLADSTONE	AUSTRALIA	23.8S	151.4E	0810	10/01
WEWAK	PAPUA NEW GUINEA	3.5S	143.6E	0813	10/01
VANIMO	PAPUA NEW GUINEA	2.6S	141.3E	0825	10/01
JAYAPURA	INDONESIA	2.4S	140.8E	0829	10/01
YAP ISLAND	YAP	9.5N	138.1E	0840	10/01
EASTER ISLAND	CHILE	27.1S	109.4W	0844	10/01

CHICHI JIMA	JAPAN	27.0N	142.3E	0911	10/01
WARSA	INDONESIA	0.6S	135.8E	0913	10/01
MALAKAL	PALAU	7.3N	134.5E	0926	10/01
MANOKWARI	INDONESIA	0.8S	134.2E	0933	10/01
KATSUURA	JAPAN	35.1N	140.3E	0948	10/01
HACHIJO JIMA	JAPAN	33.1N	139.8E	0949	10/01
MACKAY	AUSTRALIA	21.1S	149.3E	0951	10/01
THURSTON ISLAND	ANTARCTICA	72.0S	100.0W	0959	10/01
SORONG	INDONESIA	0.8S	131.1E	1002	10/01
KUSHIRO	JAPAN	42.9N	144.3E	1011	10/01
BEREBERE	INDONESIA	2.5N	128.7E	1019	10/01
GEME	INDONESIA	4.6N	126.8E	1026	10/01
PATANI	INDONESIA	0.4N	128.8E	1031	10/01
DAVAO	PHILIPPINES	6.8N	125.7E	1035	10/01
HACHINOHE	JAPAN	40.5N	141.5E	1038	10/01
MEDNNY ISLAND	RUSSIA	54.7N	167.4E	1042	10/01
UST KAMCHATSK	RUSSIA	56.1N	162.6E	1045	10/01
LEGASPI	PHILIPPINES	13.2N	123.8E	1045	10/01
PETROPAVLOVSK	RUSSIA	53.2N	159.6E	1047	10/01
ENSENADA	MEXICO	31.8N	116.8W	1049	10/01
PALANAN	PHILIPPINES	17.1N	122.6E	1051	10/01
PUNTA ABREOJOS	MEXICO	26.7N	113.6W	1053	10/01
SHIMIZU	JAPAN	32.8N	133.0E	1053	10/01
TABUKAN TENGAH	INDONESIA	3.6N	125.6E	1054	10/01
NOBEOKA	JAPAN	32.5N	131.8E	1056	10/01
CABO SAN LUCAS	MEXICO	22.8N	110.0W	1056	10/01
SEVERO KURILSK	RUSSIA	50.8N	156.1E	1108	10/01
OSTROV KARAGINS	RUSSIA	58.8N	164.5E	1111	10/01
HUALIEN	TAIWAN	24.0N	121.7E	1115	10/01
TAITUNG	TAIWAN	22.7N	121.2E	1117	10/01
OKINAWA	JAPAN	26.2N	127.8E	1117	10/01
PUERTO VALLARTA	MEXICO	20.6N	105.3W	1135	10/01
MANZANILLO	MEXICO	19.1N	104.3W	1137	10/01
MAZATLAN	MEXICO	23.2N	106.4W	1142	10/01
LAZARO CARDENAS	MEXICO	17.9N	102.2W	1148	10/01
CHILUNG	TAIWAN	25.2N	121.8E	1148	10/01
ACAPULCO	MEXICO	16.9N	99.9W	1157	10/01
GOLFO DE PENAS	CHILE	47.1S	74.9W	1158	10/01
SAN BLAS	MEXICO	21.5N	105.3W	1204	10/01
SAPPORO	JAPAN	43.5N	141.0E	1209	10/01
GUAYMAS	MEXICO	27.9N	110.9W	1218	10/01
NAGASAKI	JAPAN	32.7N	129.7E	1221	10/01
NIIGATA	JAPAN	38.0N	139.0E	1228	10/01
CORRAL	CHILE	39.8S	73.5W	1241	10/01
TALCAHUANO	CHILE	36.7S	73.1W	1250	10/01
VALPARAISO	CHILE	33.0S	71.6W	1306	10/01
BALTRA ISLAND	ECUADOR	0.5S	90.3W	1313	10/01
SALINA CRUZ	MEXICO	16.5N	95.2W	1316	10/01
COQUIMBO	CHILE	29.9S	71.4W	1321	10/01
PUERTO MADERO	MEXICO	14.8N	92.5W	1323	10/01

COCOS ISLAND	COSTA RICA	5.5N	87.1W	1325 10/01
SHIMANE	JAPAN	35.8N	133.0E	1326 10/01
CALDERA	CHILE	27.1S	70.8W	1335 10/01
SIPICATE	GUATEMALA	13.9N	91.2W	1335 10/01
ACAJUTLA	EL SALVADOR	13.6N	89.8W	1340 10/01
TALARA	PERU	4.6S	81.5W	1344 10/01
CABO SAN ELENA	COSTA RICA	10.9N	86.0W	1353 10/01
ANTOFAGASTA	CHILE	23.3S	70.4W	1354 10/01
LA LIBERTAD	ECUADOR	2.2S	81.2W	1358 10/01
SAN JUAN	PERU	15.3S	75.2W	1400 10/01
CORINTO	NICARAGUA	12.5N	87.2W	1401 10/01
LA PUNTA	PERU	12.1S	77.2W	1402 10/01
PUERTO SANDINO	NICARAGUA	12.2N	86.8W	1407 10/01
PUERTO QUEPOS	COSTA RICA	9.4N	84.2W	1414 10/01
CABO MATAPALO	COSTA RICA	8.4N	83.3W	1415 10/01
SAN JUAN DL SUR	NICARAGUA	11.2N	85.9W	1417 10/01
MOLLENDO	PERU	17.1S	72.0W	1420 10/01
IQUIQUE	CHILE	20.2S	70.1W	1420 10/01
PUNTA BURICA	PANAMA	8.0N	82.9W	1425 10/01
ARICA	CHILE	18.5S	70.3W	1426 10/01
CHIMBOTE	PERU	9.0S	78.8W	1429 10/01
PUERTO MONTT	CHILE	41.5S	73.0W	1437 10/01
ESMERELDAS	ECUADOR	1.2N	79.8W	1437 10/01
AMAPALA	HONDURAS	13.2N	87.6W	1437 10/01
PIMENTAL	PERU	6.9S	80.0W	1440 10/01
SAN FELIPE	MEXICO	31.0N	114.8W	1450 10/01
TUMACO	COLOMBIA	1.8N	78.9W	1455 10/01
PUNTA MALA	PANAMA	7.5N	80.0W	1505 10/01
BAHIA SOLANO	COLOMBIA	6.3N	77.4W	1513 10/01
PUERTO PINA	PANAMA	7.4N	78.0W	1514 10/01
BUENAVENTURA	COLOMBIA	3.8N	77.2W	1539 10/01
BALBOA HEIGHTS	PANAMA	9.0N	79.6W	1725 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 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 -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.

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PTWC Coastal Tsunami Amplitude Forecast

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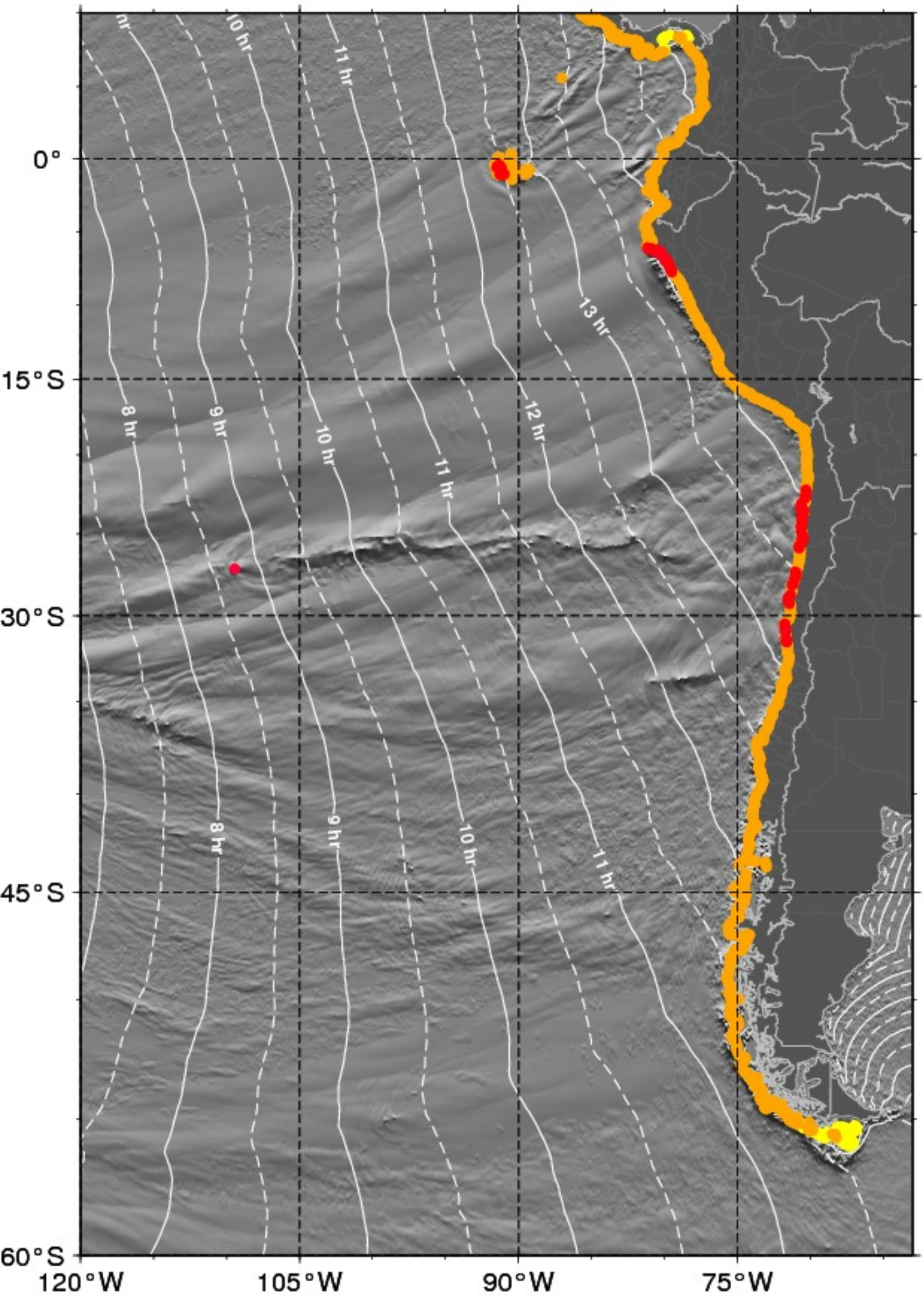

Pacific Tsunami Warning Center

Earthquake:
01 Oct 2014
00:00:00 Z
Lat: 20.00°S
Lon: 173.40°W
Depth: 20 km
M_W : 9.00

Determined Earthquake Mechanism:

Maximum Amplitude (m)

14.13
3.00
1.00
0.30
0.00

model run at:
27 Aug 2014
14:18:17 Z

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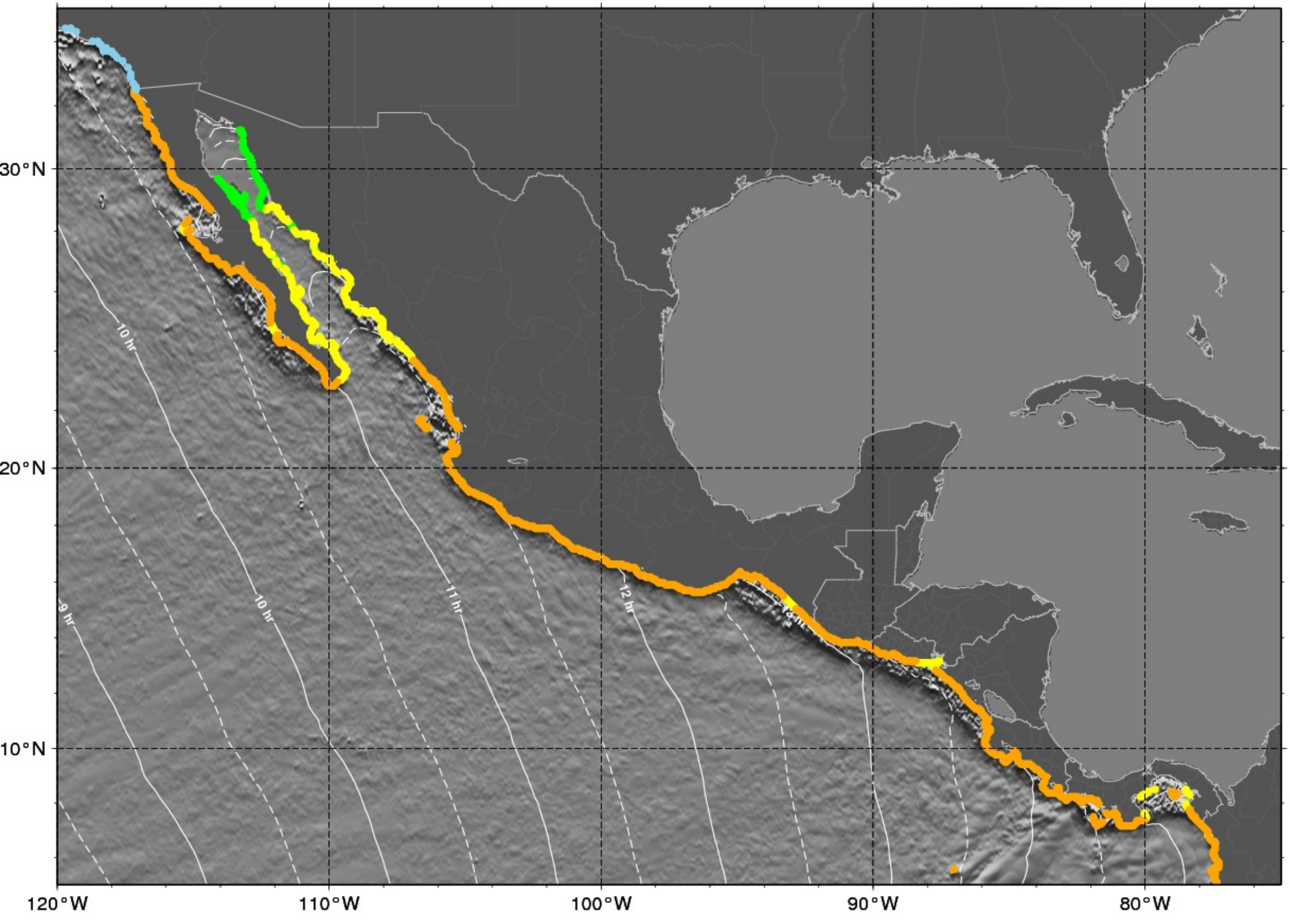

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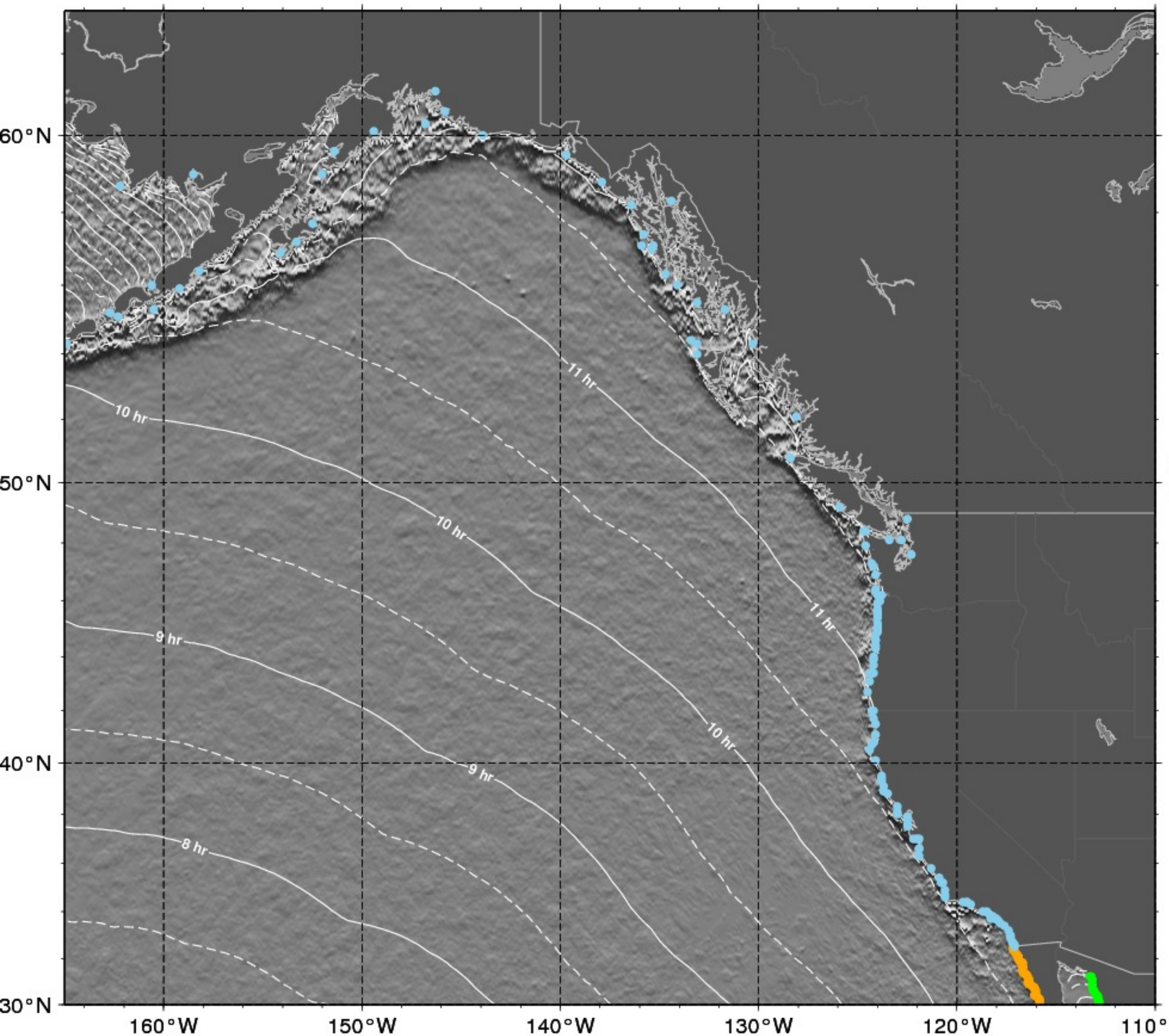

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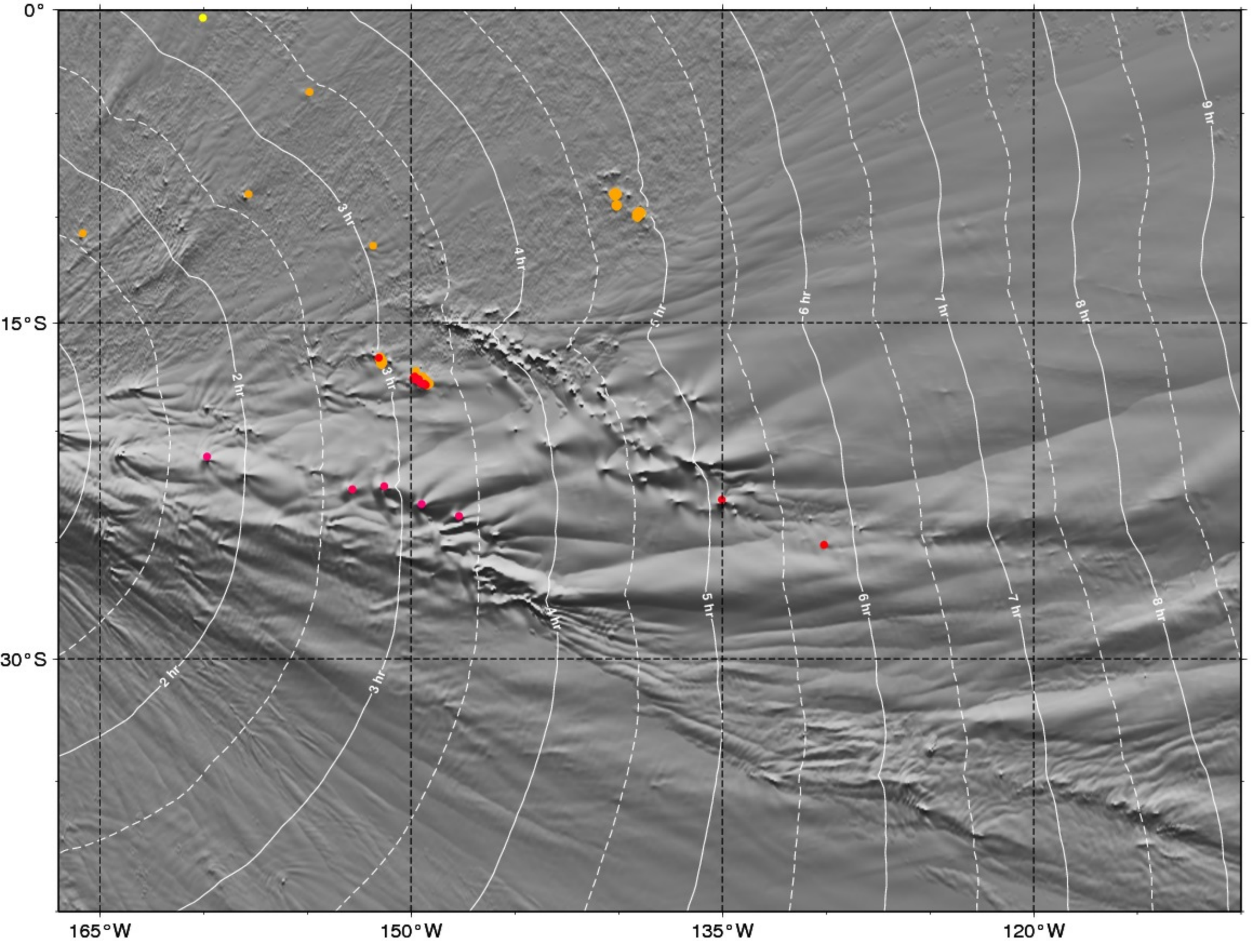

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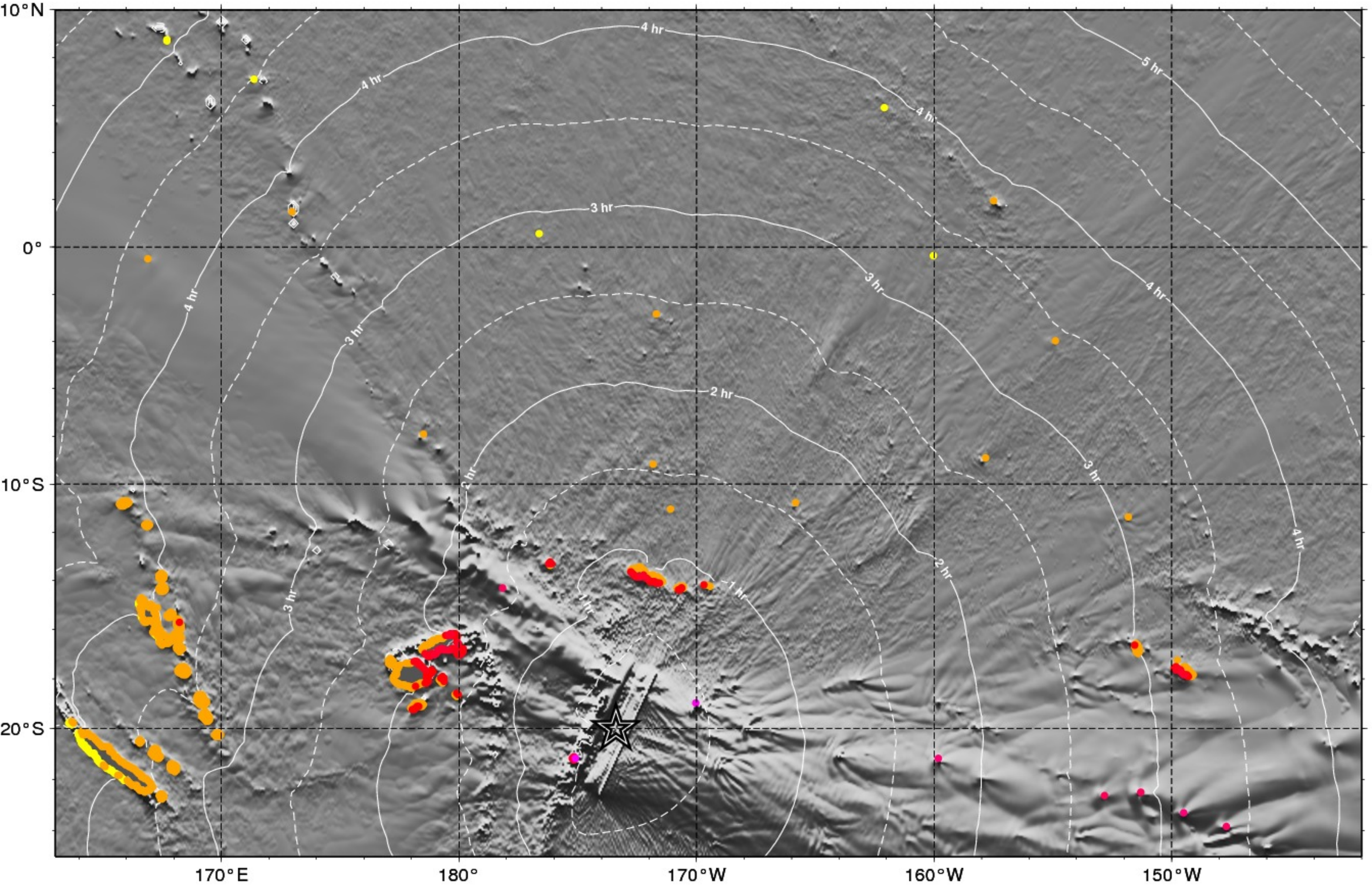

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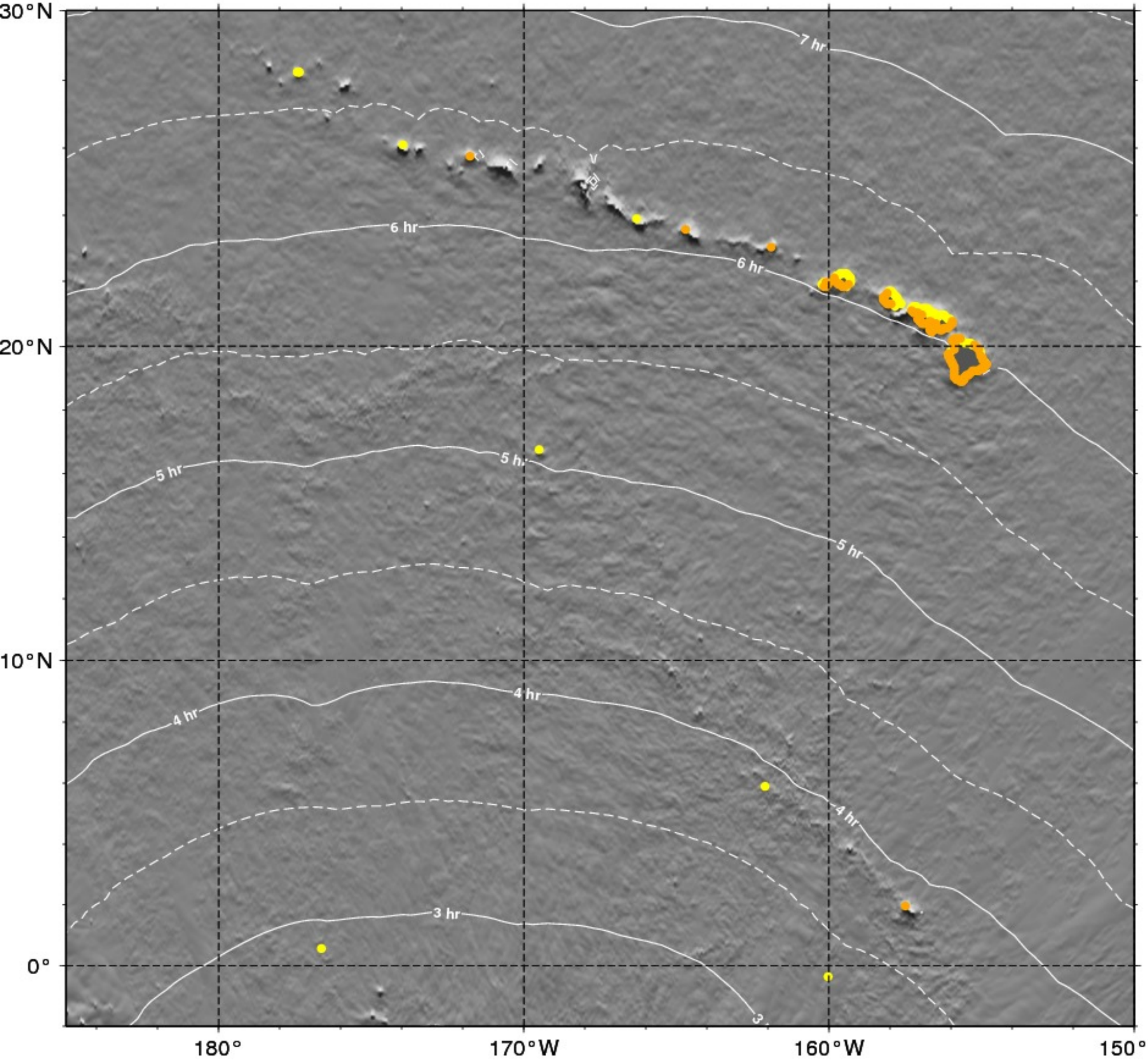

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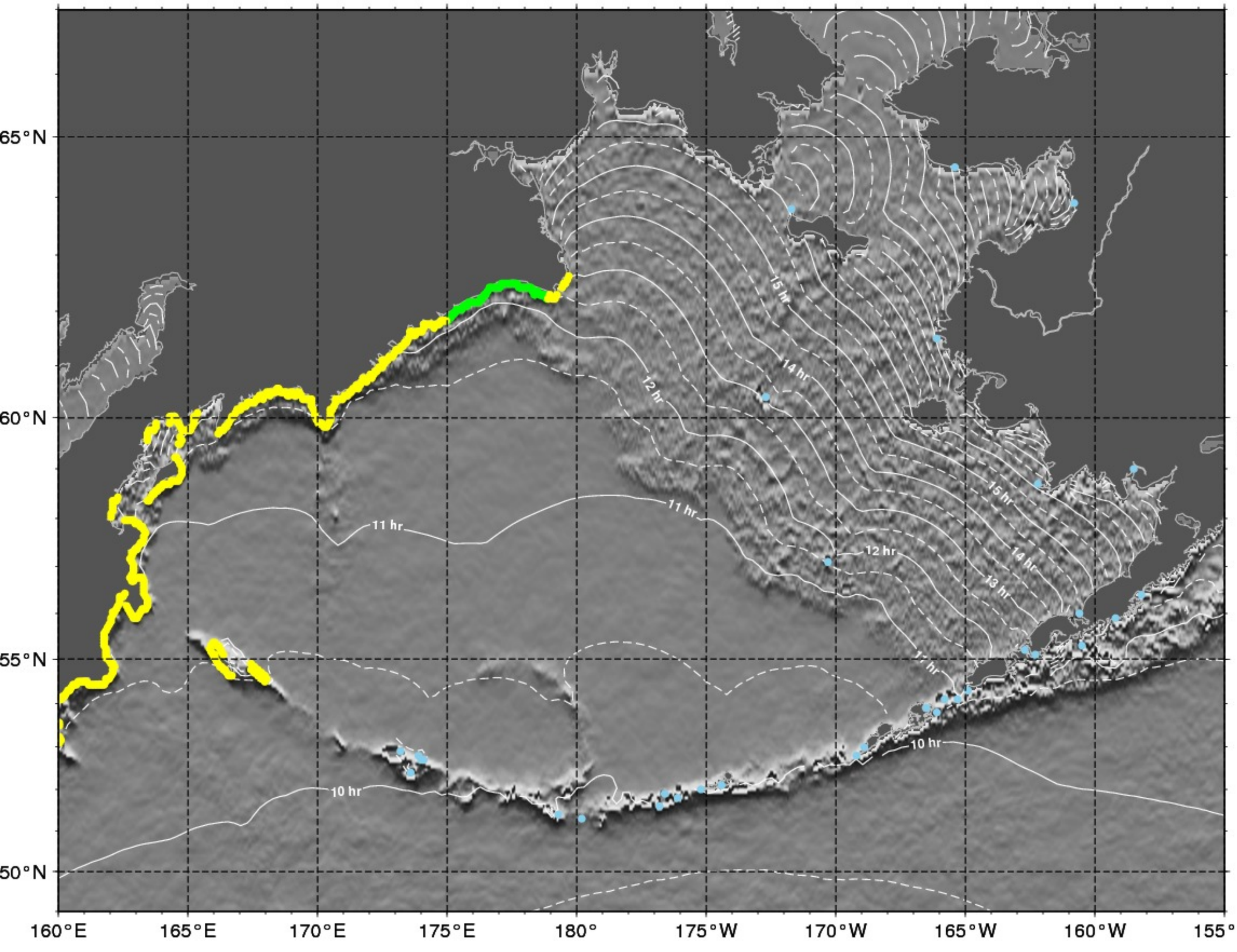

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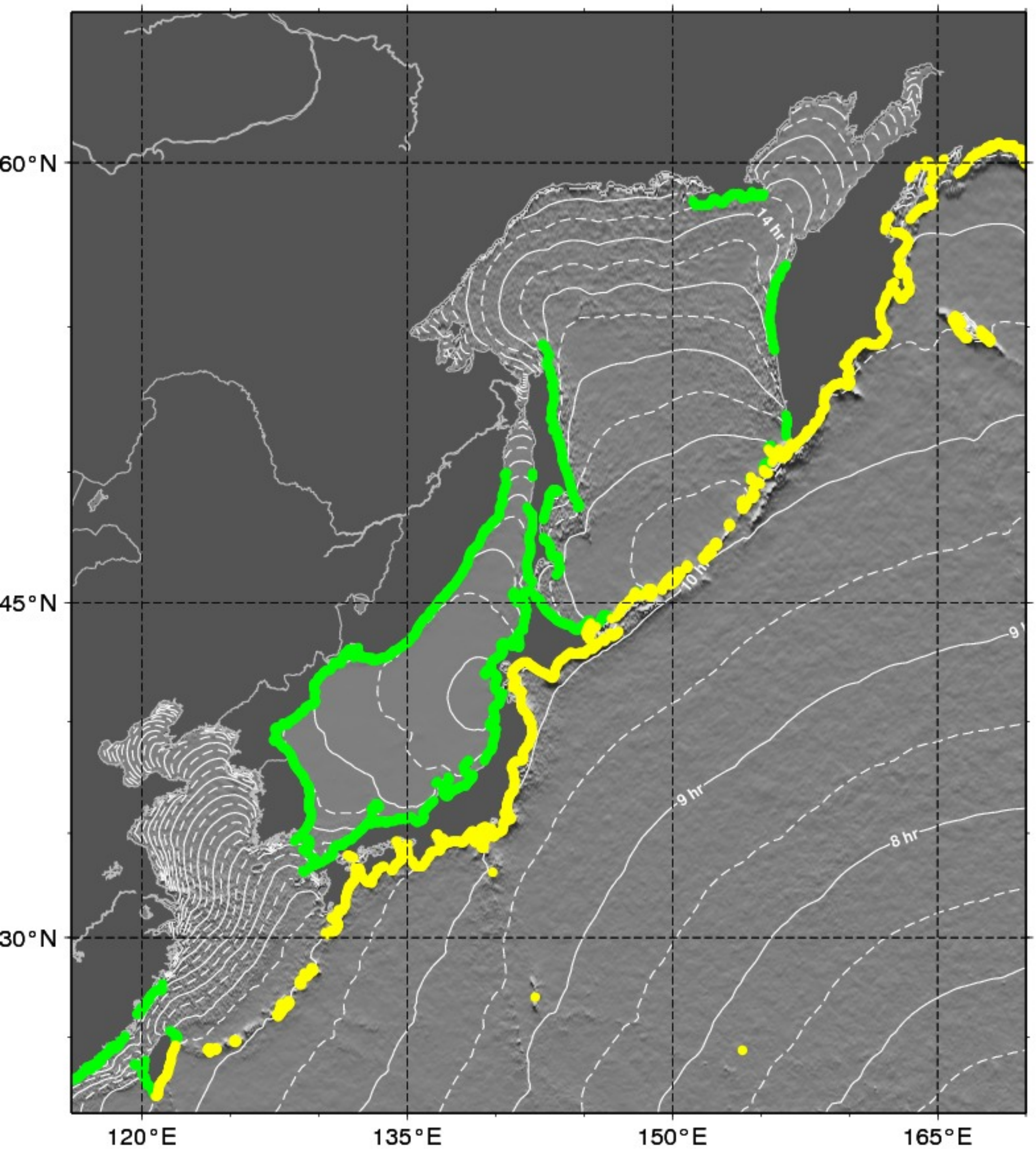

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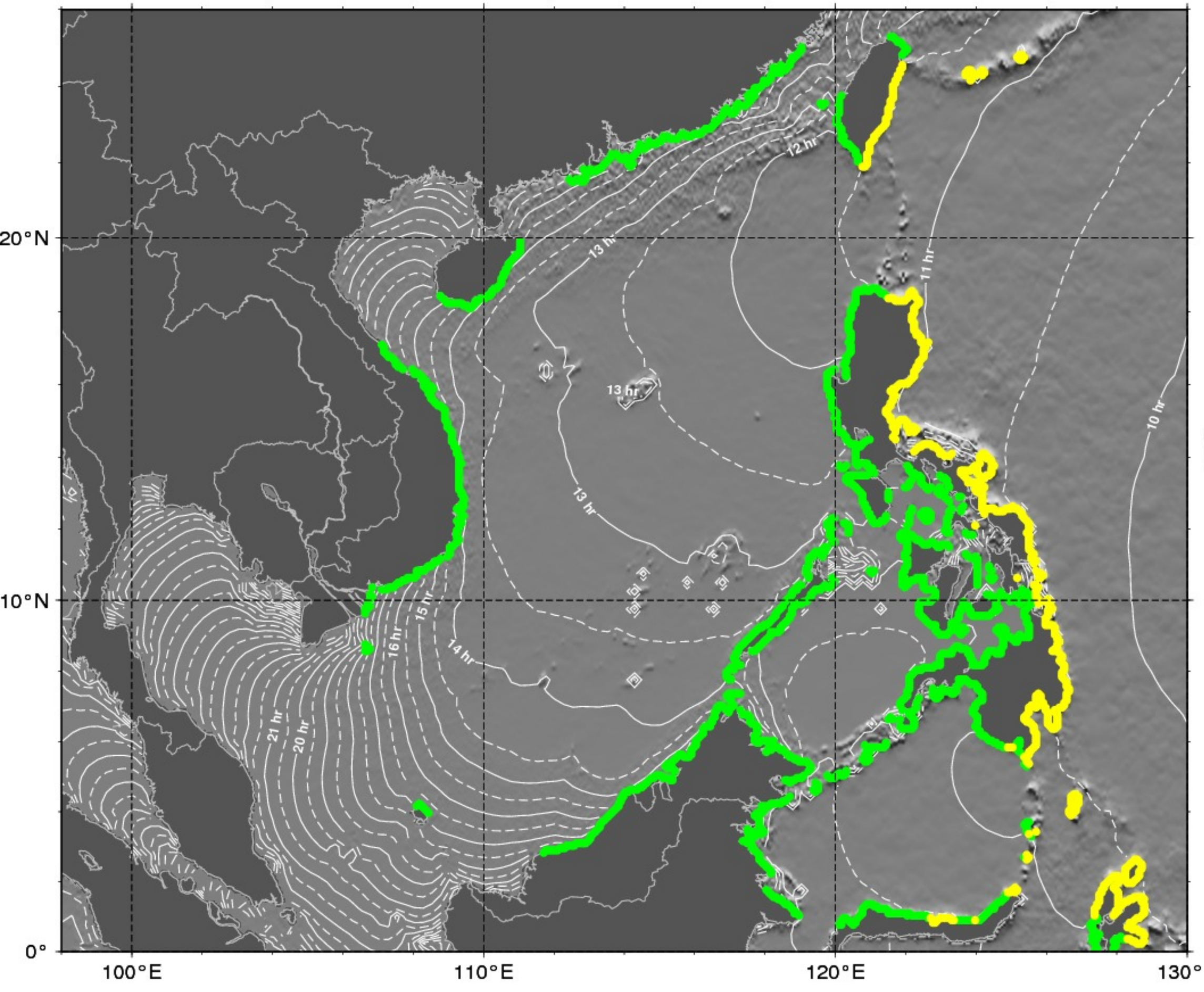

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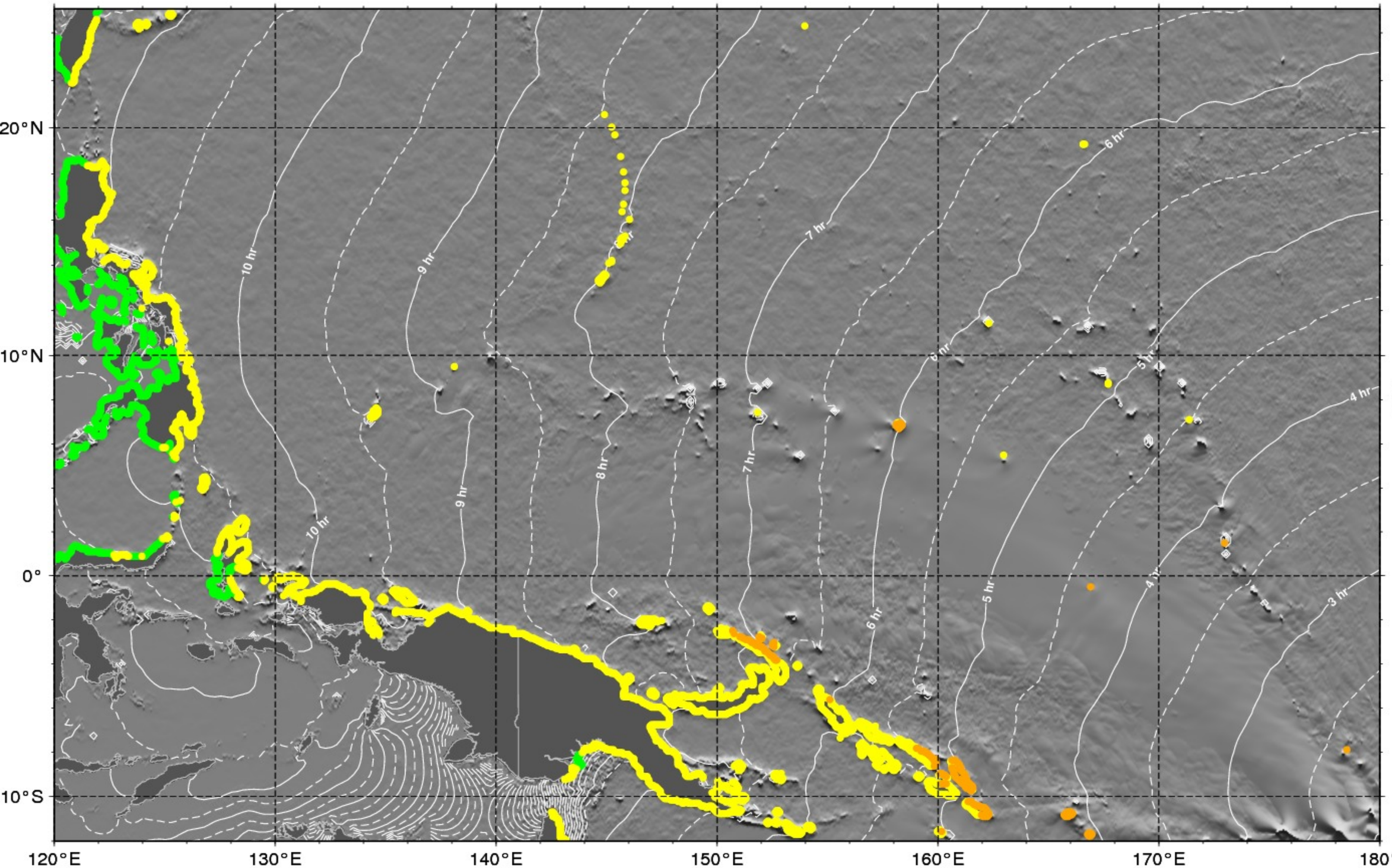

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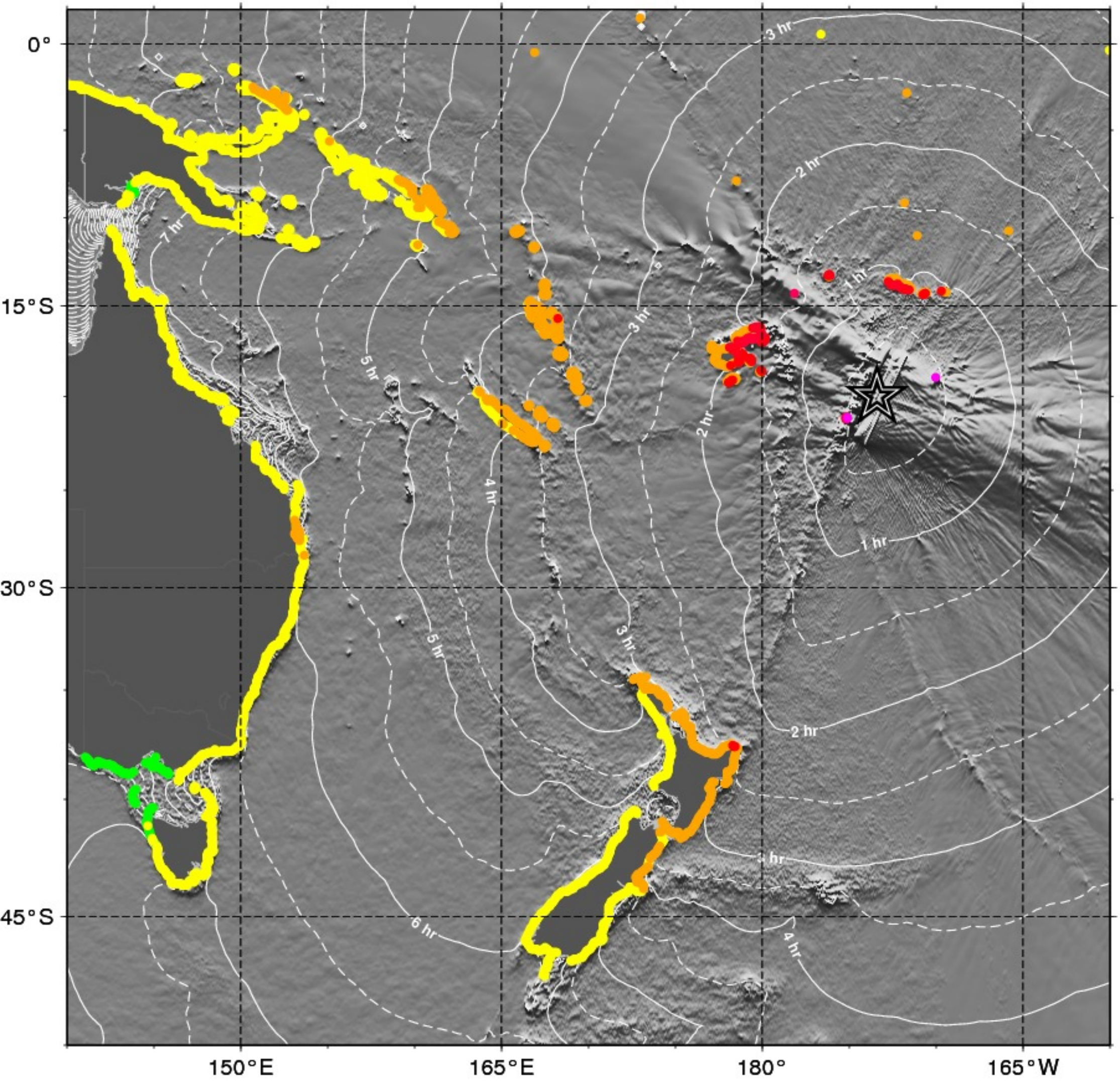

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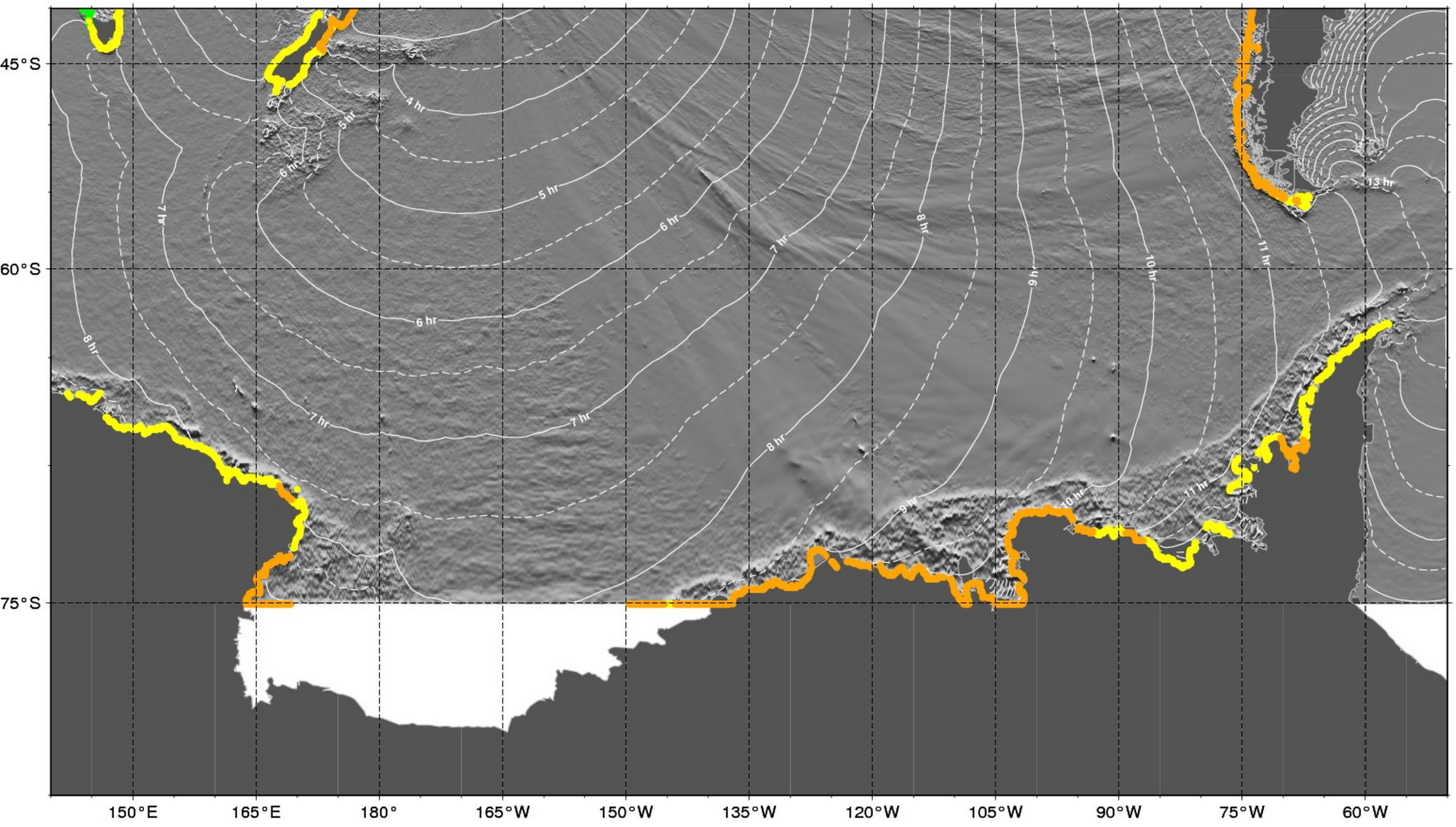

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model run at:
27 Aug 2014
14:18:17 Z

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: 20.0S 173.4W Depth: 020km Magnitude: 9.0

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Coastal Forecast (meters)				Offshore Forecast (meters)				Total	
Maximum	Mean	Median	STD	Maximum	Mean	Median	STD	Points	Region Name
14.13	7.31	5.21	3.96	6.97	5.50	5.66	1.17	4	Tonga
13.55	13.55	13.55	0.00	1.76	1.76	1.76	0.00	1	Niue
8.31	7.36	7.20	0.59	1.36	1.33	1.34	0.03	4	Austral_Islands
8.14	3.73	1.60	3.12	1.20	0.54	0.20	0.47	3	Cook_Islands
7.02	4.13	3.80	1.51	2.13	1.44	1.21	0.38	5	Wallis_and_Futuna
5.38	5.38	5.38	0.00	1.18	1.18	1.18	0.00	1	Easter_Island
5.26	3.07	3.06	1.06	3.58	1.31	1.21	0.58	151	Fiji
4.91	2.92	2.68	0.87	2.19	0.78	0.77	0.37	35	Society_Islands
4.73	2.86	2.55	1.04	1.72	0.78	0.69	0.36	40	Samoa
4.09	4.09	4.09	0.00	0.78	0.78	0.78	0.00	1	Tuamotu_Archipelago
3.93	2.57	2.54	0.50	4.02	1.49	1.31	0.66	120	North_Central_Chile
3.91	2.80	2.58	0.64	3.04	1.67	1.64	0.47	100	Northern_Peru
3.69	2.60	2.71	0.65	3.73	1.06	0.98	0.52	119	Northern_Chile
3.45	2.42	2.23	0.69	1.08	0.71	0.79	0.26	18	American_Samoa
3.38	2.10	1.82	0.72	1.75	0.71	0.60	0.37	94	Galapagos_Islands
3.16	1.99	1.89	0.36	3.51	1.50	1.50	0.43	114	North_Side_of_North_Island_New_Zealand
3.16	3.16	3.16	0.00	0.53	0.53	0.53	0.00	1	Pitcairn_Islands
3.15	1.33	1.20	0.38	1.98	0.81	0.73	0.37	88	East_Side_of_North_Island_New_Zealand
3.04	1.69	1.73	0.38	1.84	0.60	0.52	0.32	189	Vanuatu
2.86	1.85	1.76	0.38	2.16	1.11	1.04	0.36	167	South_Central_Chile
2.80	1.85	1.78	0.40	2.29	1.37	1.40	0.38	104	Central_Peru
2.69	1.42	1.36	0.50	1.69	0.72	0.67	0.28	382	Southern_Chile
2.63	2.09	2.10	0.22	2.38	1.24	1.15	0.45	76	Southern_Peru
2.56	1.12	1.49	0.88	1.80	0.63	0.81	0.53	163	Ecuador
2.39	1.84	1.83	0.30	1.39	0.66	0.61	0.28	18	Santa_Cruz_Islands
2.26	1.57	1.54	0.22	1.46	0.90	0.90	0.22	79	Pacific_Coast_of_Costa_Rica
2.26	1.44	1.56	0.37	1.46	0.72	0.68	0.28	91	Pacific_Coast_of_Panama
2.01	1.32	1.28	0.25	3.24	0.62	0.50	0.39	806	Marie_Byrd_Land_Coast_of_Antarctica
1.93	1.19	1.21	0.28	1.43	0.74	0.72	0.27	153	New_Caledonia
1.91	1.91	1.91	0.00	0.45	0.45	0.45	0.00	1	Gilbert_Islands_Kiribati
1.71	1.12	1.12	0.22	1.16	0.44	0.35	0.22	147	Hawaii
1.65	1.26	1.23	0.14	1.28	0.74	0.70	0.23	68	Oaxaca_Mexico

1.58	1.26	1.27	0.23	1.07	0.46	0.33	0.28	10	Pohnpei_State_Micronesia
1.56	1.26	1.25	0.16	1.42	0.63	0.59	0.23	27	Michoacan_Mexico
1.54	1.32	1.28	0.15	1.47	0.79	0.82	0.31	33	Jalisco_Mexico
1.53	1.30	1.29	0.11	1.51	0.87	0.89	0.23	56	Guerrero_Mexico
1.53	1.26	1.24	0.15	0.76	0.35	0.31	0.15	24	Marquesas_Islands
1.51	1.20	1.19	0.16	1.05	0.68	0.73	0.26	32	Nayarit_Mexico
1.50	0.79	0.78	0.15	1.10	0.70	0.66	0.17	76	West_Side_of_North_Island_New_Zealand
1.49	0.88	0.83	0.22	0.96	0.28	0.22	0.16	127	New_Ireland
1.46	1.16	1.14	0.12	1.13	0.71	0.74	0.19	98	Pacific_Coast_of_Colombia
1.44	1.20	1.19	0.12	1.18	0.72	0.70	0.17	75	Pacific_Side_of_Baja_Mexico
1.43	1.24	1.18	0.14	0.33	0.23	0.20	0.07	3	Line_Islands_Kiribati
1.42	1.42	1.42	0.00	0.29	0.29	0.29	0.00	1	Cocos_Island_Costa_Rica
1.41	1.18	1.15	0.11	1.29	0.78	0.78	0.21	110	Pacific_Side_of_Baja_Sud_Mexico
1.38	0.86	0.83	0.21	1.17	0.36	0.32	0.19	339	Choisel_to_Philip_Solomon_Islands
1.38	1.15	1.15	0.10	1.11	0.87	0.91	0.16	35	Pacific_Coast_of_Nicaragua
1.36	1.21	1.21	0.07	1.31	0.84	0.75	0.25	12	Colima_Mexico
1.33	0.87	0.82	0.21	1.54	0.44	0.38	0.20	630	
Victoria_Oates_and_George_V_Coast_of_Antarctica									
1.31	1.31	1.31	0.00	0.33	0.33	0.33	0.00	1	Tokelau
1.29	1.17	1.26	0.14	0.96	0.72	0.69	0.12	28	Chiapas_Mexico
1.28	0.54	0.43	0.24	1.05	0.21	0.19	0.15	99	Gulf_Side_of_Baja_Sud_Mexico
1.22	0.80	0.79	0.23	1.15	0.52	0.48	0.25	77	Sinaloa_Mexico
1.22	1.14	1.10	0.07	1.01	0.72	0.74	0.15	33	Pacific_Coast_of_Guatemala
1.22	1.12	1.12	0.09	1.24	0.81	0.80	0.17	37	El_Salvador
1.20	0.93	0.88	0.15	1.79	0.57	0.53	0.24	274	Ellsworth_Land_Coast_of_Antarctica
1.19	0.97	1.03	0.16	0.74	0.53	0.56	0.18	5	Northwestern_Hawaiian_Islands
1.16	1.16	1.16	0.00	0.15	0.15	0.15	0.00	1	Tuvalu
1.14	1.14	1.14	0.00	0.17	0.17	0.17	0.00	1	Nauru
1.12	0.86	0.90	0.14	1.09	0.60	0.59	0.15	158	East_Side_of_South_Island_New_Zealand
1.10	0.88	0.90	0.14	1.51	0.40	0.36	0.18	436	Northeast_Side_of_the_Antarctic_Peninsula
1.10	1.10	1.10	0.00	0.29	0.29	0.29	0.00	1	Phoenix_Islands_Kiribati
1.08	0.69	0.61	0.21	0.81	0.39	0.36	0.14	142	Southern_Queensland_Australia
1.04	0.82	0.81	0.08	1.35	0.72	0.71	0.14	150	New_South_Wales_Australia
1.03	0.76	0.80	0.16	0.83	0.42	0.41	0.16	75	Bougainville_Papua_New_Guinea
1.02	0.83	0.83	0.10	1.17	0.54	0.57	0.24	139	West_Side_of_South_Island_New_Zealand
0.98	0.98	0.98	0.00	0.76	0.66	0.62	0.08	3	Pacific_Coast_of_Honduras
0.97	0.62	0.62	0.10	0.86	0.40	0.39	0.15	407	East_Coast_of_Japanese_Main_Islands
0.93	0.74	0.74	0.13	0.77	0.42	0.37	0.27	4	Marshall_Islands
0.92	0.68	0.69	0.10	0.41	0.23	0.21	0.09	12	Guam
0.89	0.78	0.81	0.09	0.77	0.44	0.43	0.11	23	Manus_Island_Papua_New_Guinea
0.89	0.89	0.89	0.00	0.13	0.13	0.13	0.00	1	Jarvis_Island
0.89	0.89	0.89	0.00	0.14	0.14	0.14	0.00	1	Johnston_Atoll
0.87	0.55	0.55	0.10	0.68	0.26	0.25	0.11	266	Pacific_Side_of_Papua_Indonesia
0.86	0.64	0.62	0.09	0.81	0.24	0.21	0.12	152	Bismarck_Sea_Coast_of_Papua_New_Guinea
0.86	0.86	0.86	0.00	0.13	0.13	0.13	0.00	1	Palmyra_Island
0.86	0.86	0.86	0.00	0.73	0.73	0.73	0.00	1	Chuuk_State_Micronesia
0.86	0.69	0.71	0.12	0.85	0.40	0.41	0.17	71	Trobriand_Woodlark_and_Louisiade_Islands

0.83	0.51	0.52	0.17	0.44	0.21	0.20	0.09	19	Talaud_Islands_Indonesia
0.81	0.55	0.55	0.10	0.52	0.22	0.20	0.09	82	New_Britain-Solomon_Sea_Coast_of_New_Britain
0.81	0.60	0.60	0.05	0.57	0.29	0.29	0.10	86	New_Britain-Bismarck_Sea_Coast_of_New_Britain
0.79	0.79	0.79	0.00	0.09	0.09	0.09	0.00	1	Howland_and_Baker
0.79	0.41	0.37	0.10	0.61	0.27	0.22	0.12	164	Coral_Sea_Coast_of_Papua_New_Guinea
0.79	0.47	0.46	0.14	0.73	0.23	0.20	0.15	95	Kuril_Islands_Russia
0.79	0.52	0.58	0.18	0.62	0.36	0.36	0.13	167	Tasmania
0.76	0.42	0.37	0.16	0.69	0.21	0.16	0.14	101	
Urup_Etorofu_Kunashiri_Shikotan_and_Habomai_Islands									
0.76	0.51	0.50	0.09	0.55	0.19	0.17	0.09	141	Solomon_Sea_Coast_of_Papua_New_Guinea
0.76	0.64	0.65	0.07	0.80	0.46	0.47	0.14	157	Pacific_Coast_of_Kamchatka_Russia
0.75	0.75	0.75	0.00	0.09	0.09	0.09	0.00	1	Kosrae_State_Micronesia
0.72	0.40	0.30	0.16	0.81	0.29	0.23	0.16	130	Victoria_Australia
0.72	0.56	0.56	0.08	0.52	0.15	0.10	0.10	19	Northern_Marianas
0.70	0.51	0.49	0.08	0.47	0.24	0.25	0.10	15	Palau
0.68	0.13	0.05	0.17	0.50	0.07	0.03	0.09	465	West_Coast_of_Japanese_Main_Islands
0.68	0.65	0.64	0.02	0.64	0.57	0.53	0.05	3	Midway_Island
0.66	0.38	0.37	0.11	0.55	0.19	0.17	0.09	190	Halmahera_Indonesia
0.66	0.46	0.47	0.09	0.61	0.23	0.22	0.10	350	Pacific_Coast_of_the_Philippines
0.63	0.61	0.61	0.02	0.32	0.25	0.25	0.07	2	Izu_and_Ogasawara_Islands_Japan
0.61	0.50	0.49	0.07	0.75	0.37	0.32	0.19	38	Komandorsky_Islands_Russia
0.60	0.38	0.38	0.08	0.74	0.26	0.26	0.08	328	Bering_Sea_Coast_of_Eastern_Russia
0.60	0.44	0.44	0.07	0.45	0.23	0.22	0.08	211	Northern_Queensland_Australia
0.58	0.47	0.49	0.08	0.51	0.29	0.29	0.10	81	Nansei_Islands_Japan
0.57	0.54	0.53	0.02	0.10	0.09	0.08	0.01	3	Wake_Island
0.54	0.08	0.05	0.09	0.27	0.03	0.02	0.04	264	Interior_Seas_of_the_Philippines
0.52	0.44	0.45	0.07	0.32	0.16	0.14	0.06	49	Eastern_Coast_of_Taiwan
0.47	0.47	0.47	0.00	0.47	0.47	0.47	0.00	1	Yap_State_Micronesia
0.47	0.31	0.31	0.05	0.21	0.11	0.11	0.05	97	Sonora_Mexico
0.43	0.43	0.43	0.00	0.07	0.07	0.07	0.00	1	Minamitorishima_Japan
0.39	0.24	0.23	0.05	0.28	0.13	0.12	0.05	87	Celebes_Sea_Coast_of_Sulawesi_Indonesia
0.38	0.30	0.29	0.04	0.28	0.12	0.09	0.07	13	Sangihe_Islands_Indonesia
0.35	0.21	0.21	0.03	0.20	0.09	0.09	0.04	67	Celebes_Sea_Coast_of_the_Philippines
0.32	0.28	0.27	0.02	0.08	0.06	0.06	0.01	40	Gulf_Side_of_Baja_Mexico
0.29	0.15	0.13	0.06	0.32	0.17	0.15	0.05	54	Western_Coast_of_Kamchatka_Russia
0.29	0.24	0.22	0.03	0.22	0.11	0.10	0.04	32	Western_Coast_of_Taiwan
0.29	0.28	0.29	0.02	0.17	0.11	0.11	0.03	30	Southeastern_Coast_of_China
0.28	0.13	0.10	0.07	0.37	0.07	0.05	0.07	125	Western_Coast_of_the_Northern_Philippines
0.27	0.21	0.21	0.04	0.28	0.16	0.16	0.05	150	Sea_of_Okhotsk_Coast_of_Sakhalin_Russia
0.26	0.20	0.21	0.05	0.14	0.09	0.08	0.03	52	Sulu_Archipelago_Philippines
0.22	0.15	0.17	0.05	0.13	0.08	0.09	0.02	130	Southern_Coast_of_China
0.20	0.17	0.17	0.02	0.12	0.07	0.07	0.02	57	Celebes_Sea_Coast_of_Borneo_Indonesia
0.18	0.17	0.17	0.01	0.11	0.07	0.07	0.01	27	Celebes_Sea_Coast_of_Sabah_Malaysia
0.13	0.04	0.03	0.02	0.04	0.01	0.01	0.01	120	Sulu_Sea_Coast_of_the_Philippines
0.13	0.13	0.13	0.00	0.10	0.07	0.06	0.02	61	East_Coast_of_Russia_on_the_Sea_of_Okhotsk
0.11	0.05	0.05	0.03	0.05	0.03	0.03	0.01	130	Palawan_Island_Philippines
0.07	0.05	0.05	0.01	0.06	0.03	0.03	0.01	112	Southern_Coast_of_Vietnam

0.07	0.06	0.06	0.00	0.05	0.03	0.03	0.01	46	Hainan_Island_China
0.07	0.05	0.05	0.01	0.05	0.03	0.02	0.01	43	East_Coast_of_Russia_on_the_Tatarskiy_Straight
0.07	0.06	0.07	0.01	0.10	0.05	0.04	0.02	47	Tatarskiy_Straight_Coast_of_Sakhalin_Russia
0.06	0.03	0.03	0.01	0.04	0.02	0.02	0.01	148	East_Coast_of_Russia_north_of_the_Korean_Peninsula
0.06	0.05	0.06	0.01	0.05	0.03	0.03	0.01	33	Northern_Coast_of_Vietnam
0.06	0.04	0.04	0.01	0.07	0.03	0.02	0.01	54	Sulu_Sea_Coast_of_Sabah_Malaysia
0.04	0.04	0.04	0.00	0.03	0.02	0.02	0.00	51	Northwest_Coast_of_Sabah_Malaysia
0.04	0.04	0.03	0.00	0.02	0.02	0.02	0.00	16	Brunei
0.04	0.04	0.03	0.00	0.02	0.02	0.02	0.00	42	Southwest_Coast_of_Sabah_Malaysia
0.04	0.02	0.03	0.00	0.03	0.02	0.01	0.01	89	Eastern_Coast_of_DPR_of_Korea
0.03	0.03	0.03	0.00	0.07	0.02	0.02	0.01	59	Eastern_Coast_of_the_Republic_of_Korea
0.03	0.03	0.03	0.00	0.02	0.01	0.01	0.00	6	Natuna_Islands_Indonesia