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   2.5 SOUTH 143.0 EAST
  * DEPTH   20 KM / 12 MILES
  * LOCATION   NINIGO ISLANDS REGION PAPUA NEW GUINEA

EVALUATION
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  * AN EARTHQUAKE WITH A PRELIMINARY MAGNITUDE OF 8.6 OCCURRED IN
    THE NINIGO ISLANDS REGION, PAPUA NEW GUINEA 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

PAPUA NEW GUINEA... INDONESIA... YAP... PALAU...
GUAM... SOLOMON ISLANDS... CHUUK... NORTHERN MARIANAS...
AND POHNPEI.

* 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)
VANIMO	PAPUA NEW GUINEA	2.6S 141.3E	0018 10/01
WEWAK	PAPUA NEW GUINEA	3.5S 143.6E	0020 10/01
JAYAPURA	INDONESIA	2.4S 140.8E	0024 10/01
MADANG	PAPUA NEW GUINEA	5.2S 145.8E	0106 10/01
MANUS ISLAND	PAPUA NEW GUINEA	2.0S 147.5E	0113 10/01
WARSA	INDONESIA	0.6S 135.8E	0114 10/01
MANOKWARI	INDONESIA	0.8S 134.2E	0133 10/01
KAVIENG	PAPUA NEW GUINEA	2.5S 150.7E	0143 10/01
ULAMONA	PAPUA NEW GUINEA	5.0S 151.3E	0158 10/01
LAE	PAPUA NEW GUINEA	6.8S 147.0E	0200 10/01
SORONG	INDONESIA	0.8S 131.1E	0203 10/01
YAP ISLAND	YAP	9.5N 138.1E	0208 10/01
RABAUL	PAPUA NEW GUINEA	4.2S 152.3E	0208 10/01

MALAKAL	PALAU	7.3N	134.5E	0213 10/01
WOODLARK ISLAND	PAPUA NEW GUINEA	9.0S	152.9E	0221 10/01
BEREBERE	INDONESIA	2.5N	128.7E	0222 10/01
AMUN	PAPUA NEW GUINEA	6.0S	154.7E	0231 10/01
PATANI	INDONESIA	0.4N	128.8E	0232 10/01
KIETA	PAPUA NEW GUINEA	6.1S	155.6E	0234 10/01
GUAM	GUAM	13.4N	144.7E	0238 10/01
FALAMAE	SOLOMON ISLANDS	7.4S	155.6E	0241 10/01
GEME	INDONESIA	4.6N	126.8E	0250 10/01
PANGGOE	SOLOMON ISLANDS	6.9S	157.2E	0250 10/01
CHUUK ISLAND	CHUUK	7.4N	151.8E	0252 10/01
SAIPAN	NORTHERN MARIANA	15.3N	145.8E	0255 10/01
MUNDA	SOLOMON ISLANDS	8.4S	157.2E	0258 10/01
POHNPEI ISLAND	POHNPEI	7.0N	158.2E	0304 10/01
DAVAO	PHILIPPINES	6.8N	125.7E	0309 10/01
TABUKAN TENGAH	INDONESIA	3.6N	125.6E	0312 10/01
GHATERE	SOLOMON ISLANDS	7.8S	159.2E	0318 10/01
KOSRAE ISLAND	KOSRAE	5.5N	163.0E	0329 10/01
HONIARA	SOLOMON ISLANDS	9.3S	160.0E	0333 10/01
AUKI	SOLOMON ISLANDS	8.8S	160.6E	0339 10/01
ENIWETOK	MARSHALL ISLANDS	11.4N	162.3E	0352 10/01
LEGASPI	PHILIPPINES	13.2N	123.8E	0354 10/01
KIRAKIRA	SOLOMON ISLANDS	10.4S	161.9E	0355 10/01
PALANAN	PHILIPPINES	17.1N	122.6E	0405 10/01
NAURU	NAURU	0.5S	166.9E	0410 10/01
KWAJALEIN	MARSHALL ISLANDS	8.7N	167.7E	0412 10/01
SANTA CRUZ ISLA	SOLOMON ISLANDS	10.9S	165.9E	0417 10/01
MINAMITORISHIMA	MINAMITORISHIMA	24.3N	154.0E	0417 10/01
PORT MORESBY	PAPUA NEW GUINEA	9.3S	146.9E	0421 10/01
CHICHI JIMA	JAPAN	27.0N	142.3E	0436 10/01
WAKE ISLAND	WAKE ISLAND	19.3N	166.6E	0437 10/01
ESPERITU SANTO	VANUATU	15.1S	167.3E	0444 10/01
MAJURO	MARSHALL ISLANDS	7.1N	171.4E	0450 10/01
TAITUNG	TAIWAN	22.7N	121.2E	0450 10/01
HUALIEN	TAIWAN	24.0N	121.7E	0452 10/01
OKINAWA	JAPAN	26.2N	127.8E	0511 10/01
CAIRNS	AUSTRALIA	16.7S	145.8E	0520 10/01
CHILUNG	TAIWAN	25.2N	121.8E	0526 10/01
HACHIJO JIMA	JAPAN	33.1N	139.8E	0527 10/01
TARAWA ISLAND	KIRIBATI	1.5N	173.0E	0528 10/01
KATSUURA	JAPAN	35.1N	140.3E	0530 10/01
ANATOM ISLAND	VANUATU	20.2S	169.9E	0534 10/01
NOBEOKA	JAPAN	32.5N	131.8E	0543 10/01
SHIMIZU	JAPAN	32.8N	133.0E	0546 10/01
NOUMEA	NEW CALEDONIA	22.3S	166.5E	0549 10/01
FUNAFUTI ISLAND	TUVALU	7.9S	178.5E	0606 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

* 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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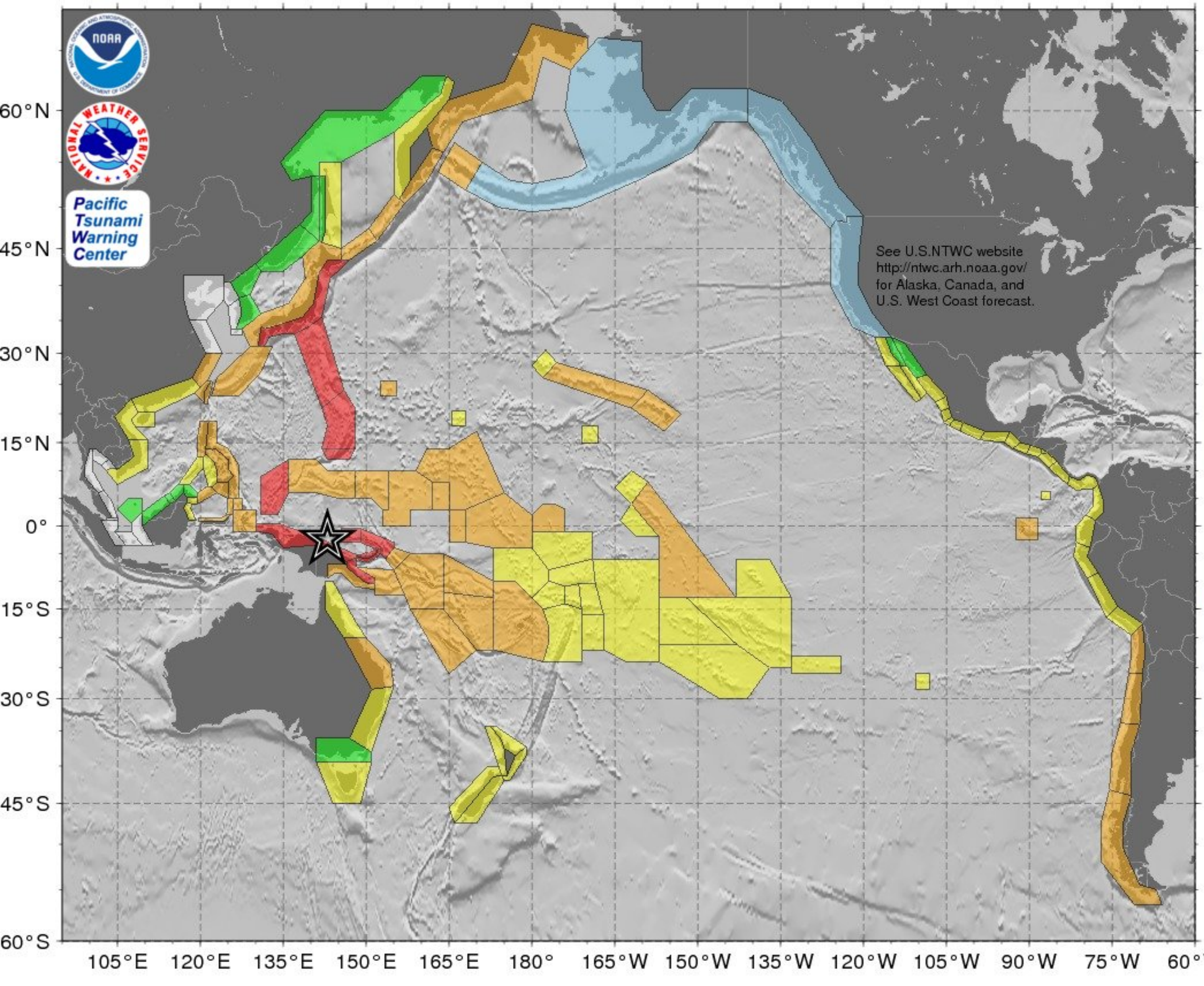

Earthquake:
01 Oct 2014
00:00:00 Z
Lat: 2.50°S
Lon: 143.00°E
Depth: 20 km
M_W : 9.00

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
15:40:48 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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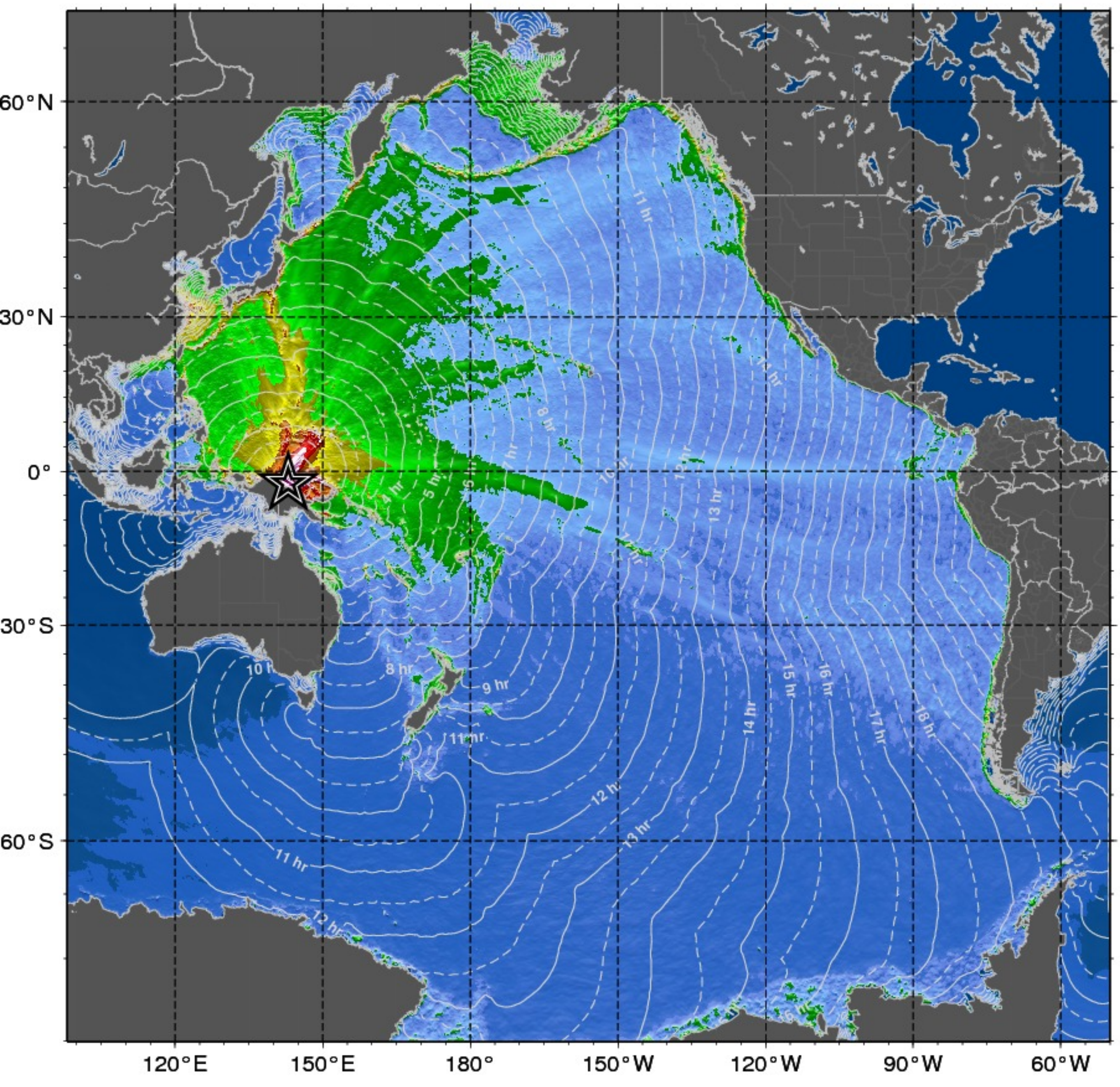

Pacific Tsunami Warning Center

Earthquake:
01 Oct 2014
00:00:00 Z
Lat: 2.50°S
Lon: 143.00°E
Depth: 20 km
M_W : 9.00

Determined Earthquake Mechanism:

Maximum Amplitude (m)

10.56
1.00
0.75
0.50
0.25
0.10
0.05
0.01
0.00

model run at:
27 Aug 2014
15:40:48 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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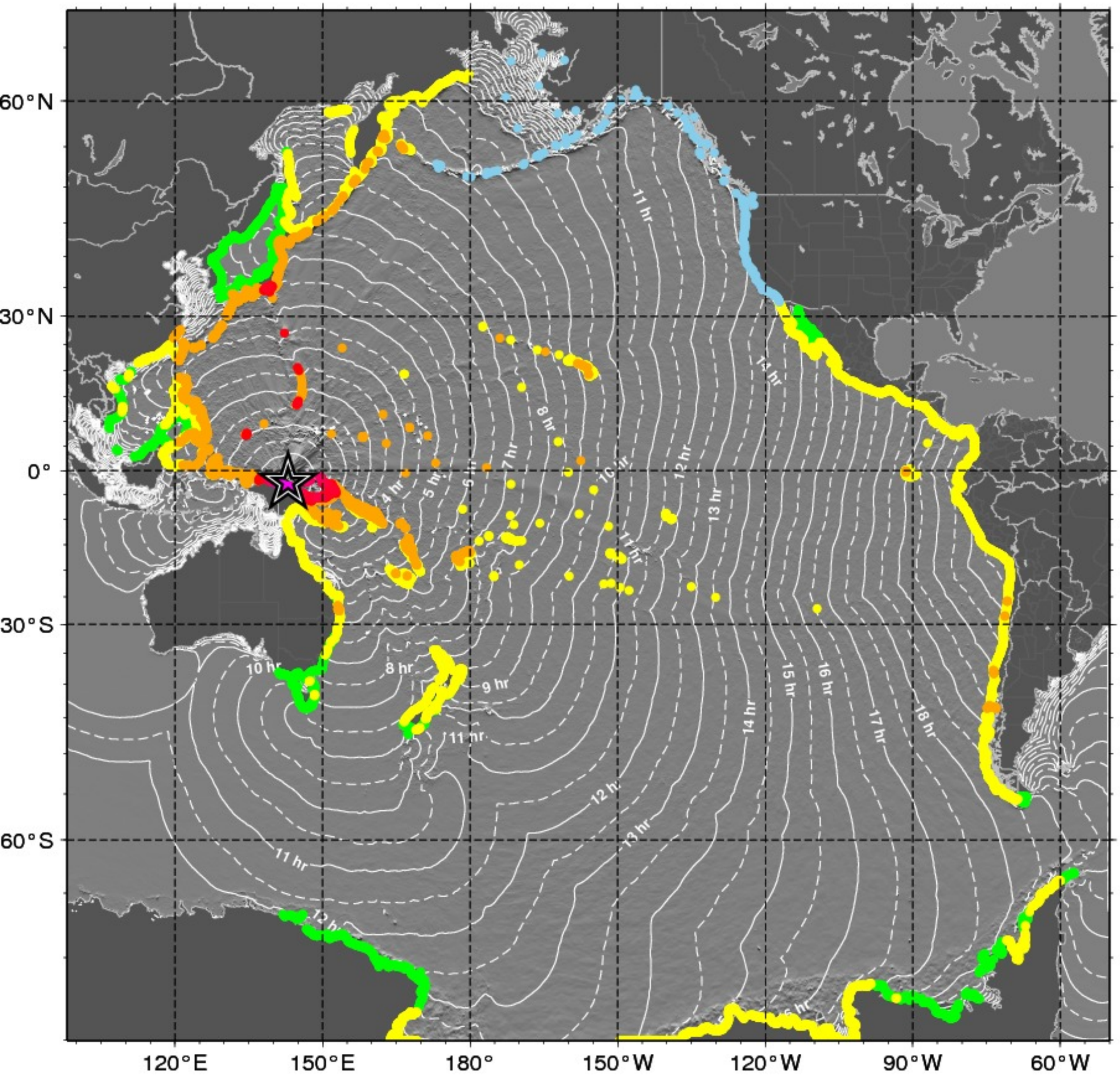

NOAA

NATIONAL WEATHER SERVICE

Pacific Tsunami Warning Center

Earthquake:
01 Oct 2014
00:00:00 Z
Lat: 2.50°S
Lon: 143.00°E
Depth: 20 km
M_W : 9.00

Determined Earthquake Mechanism:

Maximum Amplitude (m)

18.35
3.00
1.00
0.30
0.00
-100.00

model run at:
27 Aug 2014
15:40:48 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.

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PRELIMINARY EARTHQUAKE PARAMETERS
----

  * MAGNITUDE   9.0
  * ORIGIN TIME   0000 UTC OCT 1 2014
  * COORDINATES   2.5 SOUTH 143.0 EAST
  * DEPTH   20 KM / 12 MILES
  * LOCATION   NINIGO ISLANDS REGION PAPUA NEW GUINEA

EVALUATION
----

  * AN EARTHQUAKE WITH A PRELIMINARY MAGNITUDE OF 9.0 OCCURRED IN
    THE NINIGO ISLANDS REGION, PAPUA NEW GUINEA 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

JAPAN... NORTHERN MARIANAS... GUAM... PALAU... PAPUA NEW GUINEA... AND INDONESIA.

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

ECUADOR... CHILE... AUSTRALIA... PHILIPPINES... NEW CALEDONIA... TAIWAN... CHINA... YAP... POHNPEI... CHUUK... KOSRAE... MARSHALL ISLANDS... FIJI... VANUATU... KIRIBATI... NAURU... HOWLAND AND BAKER... SOLOMON ISLANDS... RUSSIA... HAWAII... AND NORTHWESTERN HAWAIIAN ISLANDS.

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

MEXICO... EL SALVADOR... GUATEMALA... HONDURAS... COSTA RICA... NICARAGUA... PANAMA... COLOMBIA... PERU... ANTARCTICA... NEW ZEALAND... SAMOA... AMERICAN SAMOA... COOK ISLANDS... TOKELAU... FRENCH POLYNESIA... WAKE ISLAND... MIDWAY ISLAND... JOHNSTON ATOLL... JARVIS ISLAND... PALMYRA ISLAND... TONGA... TUVALU... WALLIS AND FUTUNA... PITCAIRN ISLANDS... NIUE... VIETNAM... AND MALAYSIA.

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

REPUBLIC OF KOREA... DPR OF KOREA... 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)
VANIMO	PAPUA NEW GUINEA	2.6S 141.3E	0018 10/01
WEWAK	PAPUA NEW GUINEA	3.5S 143.6E	0020 10/01
JAYAPURA	INDONESIA	2.4S 140.8E	0024 10/01
MADANG	PAPUA NEW GUINEA	5.2S 145.8E	0106 10/01
MANUS ISLAND	PAPUA NEW GUINEA	2.0S 147.5E	0113 10/01
WARSA	INDONESIA	0.6S 135.8E	0114 10/01
MANOKWARI	INDONESIA	0.8S 134.2E	0133 10/01
KAVIENG	PAPUA NEW GUINEA	2.5S 150.7E	0143 10/01
ULAMONA	PAPUA NEW GUINEA	5.0S 151.3E	0158 10/01
LAE	PAPUA NEW GUINEA	6.8S 147.0E	0200 10/01
SORONG	INDONESIA	0.8S 131.1E	0203 10/01
YAP ISLAND	YAP	9.5N 138.1E	0208 10/01
RABAUL	PAPUA NEW GUINEA	4.2S 152.3E	0208 10/01
MALAKAL	PALAU	7.3N 134.5E	0213 10/01
WOODLARK ISLAND	PAPUA NEW GUINEA	9.0S 152.9E	0221 10/01
BEREBERE	INDONESIA	2.5N 128.7E	0222 10/01
AMUN	PAPUA NEW GUINEA	6.0S 154.7E	0231 10/01
PATANI	INDONESIA	0.4N 128.8E	0232 10/01
KIETA	PAPUA NEW GUINEA	6.1S 155.6E	0234 10/01
GUAM	GUAM	13.4N 144.7E	0238 10/01
FALAMAE	SOLOMON ISLANDS	7.4S 155.6E	0241 10/01
GEME	INDONESIA	4.6N 126.8E	0250 10/01
PANGGOE	SOLOMON ISLANDS	6.9S 157.2E	0250 10/01
CHUUK ISLAND	CHUUK	7.4N 151.8E	0252 10/01
SAIPAN	NORTHERN MARIANA	15.3N 145.8E	0255 10/01
MUNDA	SOLOMON ISLANDS	8.4S 157.2E	0258 10/01
POHNPEI ISLAND	POHNPEI	7.0N 158.2E	0304 10/01
DAVAO	PHILIPPINES	6.8N 125.7E	0309 10/01
TABUKAN TENGAH	INDONESIA	3.6N 125.6E	0312 10/01
GHATERE	SOLOMON ISLANDS	7.8S 159.2E	0318 10/01
KOSRAE ISLAND	KOSRAE	5.5N 163.0E	0329 10/01
HONIARA	SOLOMON ISLANDS	9.3S 160.0E	0333 10/01

AUKI	SOLOMON ISLANDS	8.8S	160.6E	0339	10/01
ENIWETOK	MARSHALL ISLANDS	11.4N	162.3E	0352	10/01
LEGASPI	PHILIPPINES	13.2N	123.8E	0354	10/01
KIRAKIRA	SOLOMON ISLANDS	10.4S	161.9E	0355	10/01
PALANAN	PHILIPPINES	17.1N	122.6E	0405	10/01
NAURU	NAURU	0.5S	166.9E	0410	10/01
KWAJALEIN	MARSHALL ISLANDS	8.7N	167.7E	0412	10/01
SANTA CRUZ ISLA	SOLOMON ISLANDS	10.9S	165.9E	0417	10/01
MINAMITORISHIMA	MINAMITORISHIMA	24.3N	154.0E	0417	10/01
PORT MORESBY	PAPUA NEW GUINEA	9.3S	146.9E	0421	10/01
CHICHI JIMA	JAPAN	27.0N	142.3E	0436	10/01
WAKE ISLAND	WAKE ISLAND	19.3N	166.6E	0437	10/01
ESPERITU SANTO	VANUATU	15.1S	167.3E	0444	10/01
MAJURO	MARSHALL ISLANDS	7.1N	171.4E	0450	10/01
TAITUNG	TAIWAN	22.7N	121.2E	0450	10/01
HUALIEN	TAIWAN	24.0N	121.7E	0452	10/01
OKINAWA	JAPAN	26.2N	127.8E	0511	10/01
CAIRNS	AUSTRALIA	16.7S	145.8E	0520	10/01
CHILUNG	TAIWAN	25.2N	121.8E	0526	10/01
HACHIJO JIMA	JAPAN	33.1N	139.8E	0527	10/01
TARAWA ISLAND	KIRIBATI	1.5N	173.0E	0528	10/01
KATSUURA	JAPAN	35.1N	140.3E	0530	10/01
ANATOM ISLAND	VANUATU	20.2S	169.9E	0534	10/01
NOBEOKA	JAPAN	32.5N	131.8E	0543	10/01
SHIMIZU	JAPAN	32.8N	133.0E	0546	10/01
NOUMEA	NEW CALEDONIA	22.3S	166.5E	0549	10/01
FUNAFUTI ISLAND	TUVALU	7.9S	178.5E	0606	10/01
BRISBANE	AUSTRALIA	27.2S	153.3E	0626	10/01
HOWLAND ISLAND	HOWLAND AND BAKE	0.6N	176.6W	0626	10/01
KUSHIRO	JAPAN	42.9N	144.3E	0629	10/01
HACHINOHE	JAPAN	40.5N	141.5E	0649	10/01
SUVA	FIJI	18.1S	178.4E	0651	10/01
NAGASAKI	JAPAN	32.7N	129.7E	0653	10/01
MIDWAY ISLAND	MIDWAY ISLAND	28.2N	177.4W	0654	10/01
SYDNEY	AUSTRALIA	33.9S	151.4E	0657	10/01
FUTUNA ISLAND	WALLIS AND FUTUN	14.3S	178.2W	0701	10/01
WALLIS ISLAND	WALLIS AND FUTUN	13.3S	176.3W	0708	10/01
KANTON ISLAND	KIRIBATI	2.8S	171.7W	0709	10/01
NUKUNONU ISLAND	TOKELAU	9.2S	171.8W	0721	10/01
JOHNSTON ISLAND	JOHNSTON ISLAND	16.7N	169.5W	0724	10/01
GLADSTONE	AUSTRALIA	23.8S	151.4E	0736	10/01
APIA	SAMOA	13.8S	171.8W	0744	10/01
NORTH CAPE	NEW ZEALAND	34.4S	173.3E	0746	10/01
PAGO PAGO	AMERICAN SAMOA	14.3S	170.7W	0752	10/01
NUKUALOFA	TONGA	21.0S	175.2W	0758	10/01
WENZHOU	CHINA	27.8N	121.2E	0810	10/01
QUANZHOU	CHINA	24.8N	118.8E	0812	10/01
PUKAPUKA ISLAND	COOK ISLANDS	10.8S	165.9W	0813	10/01
NIUE ISLAND	NIUE	19.0S	170.0W	0817	10/01
MACKAY	AUSTRALIA	21.1S	149.3E	0817	10/01

SEVERO KURILSK	RUSSIA	50.8N	156.1E	0818 10/01
PALMYRA ISLAND	PALMYRA ISLAND	5.9N	162.1W	0818 10/01
PETROPAVLOVSK	RUSSIA	53.2N	159.6E	0819 10/01
SAPPORO	JAPAN	43.5N	141.0E	0821 10/01
UST KAMCHATSK	RUSSIA	56.1N	162.6E	0824 10/01
HOBART	AUSTRALIA	43.3S	147.6E	0832 10/01
JARVIS ISLAND	JARVIS ISLAND	0.4S	160.1W	0839 10/01
NIIGATA	JAPAN	38.0N	139.0E	0840 10/01
MILFORD SOUND	NEW ZEALAND	44.6S	167.9E	0846 10/01
MEDNNY ISLAND	RUSSIA	54.7N	167.4E	0846 10/01
AUCKLAND WEST	NEW ZEALAND	37.1S	174.2E	0846 10/01
OSTROV KARAGINS	RUSSIA	58.8N	164.5E	0851 10/01
EAST CAPE	NEW ZEALAND	37.7S	178.5E	0856 10/01
CHRISTMAS ISLAN	KIRIBATI	2.0N	157.5W	0858 10/01
PENRYN ISLAND	COOK ISLANDS	8.9S	157.8W	0912 10/01
GISBORNE	NEW ZEALAND	38.7S	178.0E	0919 10/01
MALDEN ISLAND	KIRIBATI	3.9S	154.9W	0925 10/01
AUCKLAND EAST	NEW ZEALAND	36.7S	175.0E	0928 10/01
NEW PLYMOUTH	NEW ZEALAND	39.1S	174.1E	0932 10/01
RAROTONGA	COOK ISLANDS	21.2S	159.8W	0933 10/01
WESTPORT	NEW ZEALAND	41.8S	171.6E	0936 10/01
SHIMANE	JAPAN	35.8N	133.0E	0939 10/01
WELLINGTON	NEW ZEALAND	41.3S	174.8E	0944 10/01
GASTELLO	RUSSIA	49.1N	143.0E	0949 10/01
FLINT ISLAND	KIRIBATI	11.4S	151.8W	1003 10/01
NAPIER	NEW ZEALAND	39.5S	176.9E	1007 10/01
PAPEETE	FRENCH POLYNESIA	17.5S	149.6W	1045 10/01
DUNEDIN	NEW ZEALAND	45.9S	170.5E	1059 10/01
BLUFF	NEW ZEALAND	46.6S	168.3E	1119 10/01
HIVA OA	FRENCH POLYNESIA	10.0S	139.0W	1148 10/01
LYTTELTON	NEW ZEALAND	43.6S	172.7E	1154 10/01
UST KAHYRYUZOVO	RUSSIA	57.1N	156.7E	1228 10/01
CAPE ADARE	ANTARCTICA	71.0S	170.0E	1229 10/01
NELSON	NEW ZEALAND	41.3S	173.3E	1238 10/01
OKHOTSK	RUSSIA	59.3N	143.3E	1238 10/01
RIKITEA	FRENCH POLYNESIA	23.1S	135.0W	1249 10/01
PITCAIRN ISLAND	PITCAIRN	25.1S	130.1W	1332 10/01
ENSENADA	MEXICO	31.8N	116.8W	1415 10/01
PUNTA ABREOJOS	MEXICO	26.7N	113.6W	1459 10/01
CABO SAN LUCAS	MEXICO	22.8N	110.0W	1527 10/01
MAZATLAN	MEXICO	23.2N	106.4W	1615 10/01
PUERTO VALLARTA	MEXICO	20.6N	105.3W	1618 10/01
EASTER ISLAND	CHILE	27.1S	109.4W	1625 10/01
MANZANILLO	MEXICO	19.1N	104.3W	1630 10/01
THURSTON ISLAND	ANTARCTICA	72.0S	100.0W	1644 10/01
SAN BLAS	MEXICO	21.5N	105.3W	1644 10/01
LAZARO CARDENAS	MEXICO	17.9N	102.2W	1650 10/01
ACAPULCO	MEXICO	16.9N	99.9W	1704 10/01
SALINA CRUZ	MEXICO	16.5N	95.2W	1823 10/01
PUERTO MADERO	MEXICO	14.8N	92.5W	1839 10/01

SIPICATE	GUATEMALA	13.9N	91.2W	1855	10/01
ACAJUTLA	EL SALVADOR	13.6N	89.8W	1901	10/01
GOLFO DE PENAS	CHILE	47.1S	74.9W	1904	10/01
CABO SAN ELENA	COSTA RICA	10.9N	86.0W	1913	10/01
COCOS ISLAND	COSTA RICA	5.5N	87.1W	1919	10/01
CORINTO	NICARAGUA	12.5N	87.2W	1922	10/01
PUERTO SANDINO	NICARAGUA	12.2N	86.8W	1928	10/01
SAN JUAN DL SUR	NICARAGUA	11.2N	85.9W	1938	10/01
BALTRA ISLAND	ECUADOR	0.5S	90.3W	1938	10/01
PUERTO QUEPOS	COSTA RICA	9.4N	84.2W	1940	10/01
CABO MATAPALO	COSTA RICA	8.4N	83.3W	1942	10/01
PUNTA BURICA	PANAMA	8.0N	82.9W	1953	10/01
AMAPALA	HONDURAS	13.2N	87.6W	1958	10/01
CORRAL	CHILE	39.8S	73.5W	2004	10/01
TALCAHUANO	CHILE	36.7S	73.1W	2015	10/01
VALPARAISO	CHILE	33.0S	71.6W	2031	10/01
TALARA	PERU	4.6S	81.5W	2035	10/01
PUNTA MALA	PANAMA	7.5N	80.0W	2039	10/01
LA LIBERTAD	ECUADOR	2.2S	81.2W	2045	10/01
COQUIMBO	CHILE	29.9S	71.4W	2048	10/01
PUERTO PINA	PANAMA	7.4N	78.0W	2049	10/01
BAHIA SOLANO	COLOMBIA	6.3N	77.4W	2052	10/01
ESMERELDAS	ECUADOR	1.2N	79.8W	2057	10/01
CALDERA	CHILE	27.1S	70.8W	2102	10/01
TUMACO	COLOMBIA	1.8N	78.9W	2110	10/01
LA PUNTA	PERU	12.1S	77.2W	2121	10/01
ANTOFAGASTA	CHILE	23.3S	70.4W	2121	10/01
SAN JUAN	PERU	15.3S	75.2W	2127	10/01
PIMENTAL	PERU	6.9S	80.0W	2131	10/01
CHIMBOTE	PERU	9.0S	78.8W	2132	10/01
BUENAVENTURA	COLOMBIA	3.8N	77.2W	2135	10/01
IQUIQUE	CHILE	20.2S	70.1W	2149	10/01
MOLLENDO	PERU	17.1S	72.0W	2149	10/01
PUERTO MONTT	CHILE	41.5S	73.0W	2150	10/01
ARICA	CHILE	18.5S	70.3W	2155	10/01
BALBOA HEIGHTS	PANAMA	9.0N	79.6W	2259	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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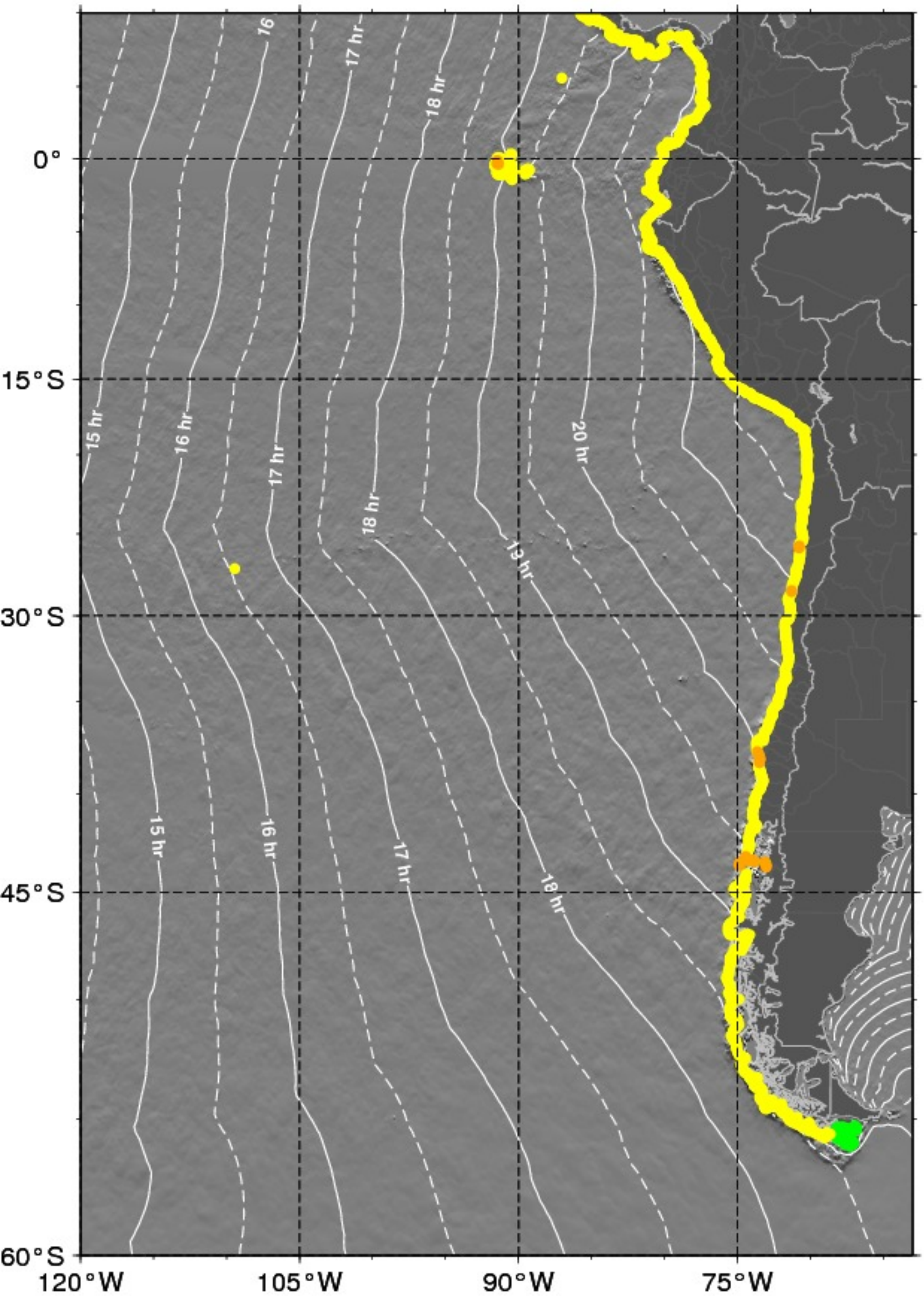

Pacific Tsunami Warning Center

Earthquake:
01 Oct 2014
00:00:00 Z
Lat: 2.50°S
Lon: 143.00°E
Depth: 20 km
M_W : 9.00

Determined Earthquake Mechanism:

Maximum Amplitude (m)

18.35
3.00
1.00
0.30
0.00

model run at:
27 Aug 2014
15:40:48 Z

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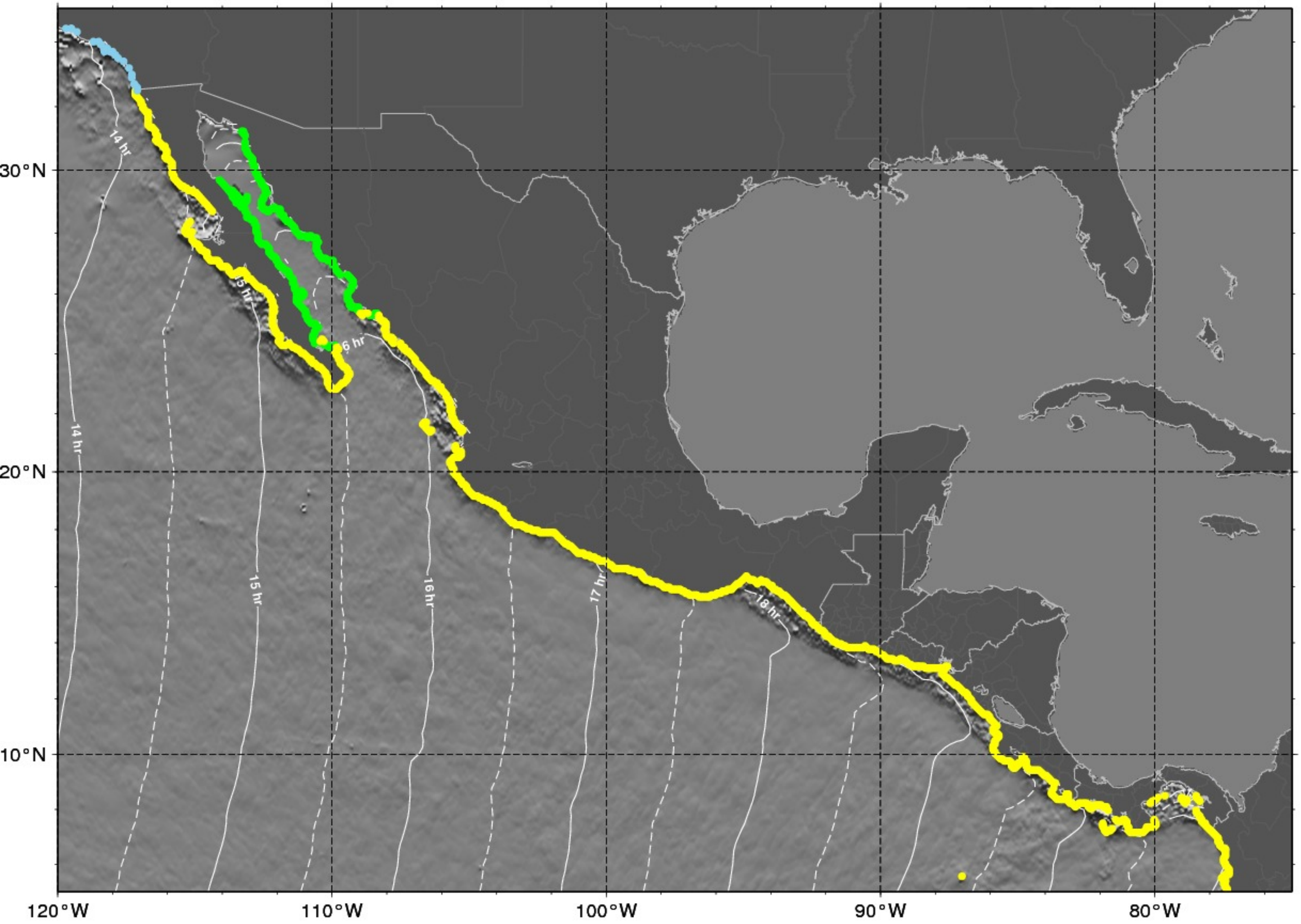

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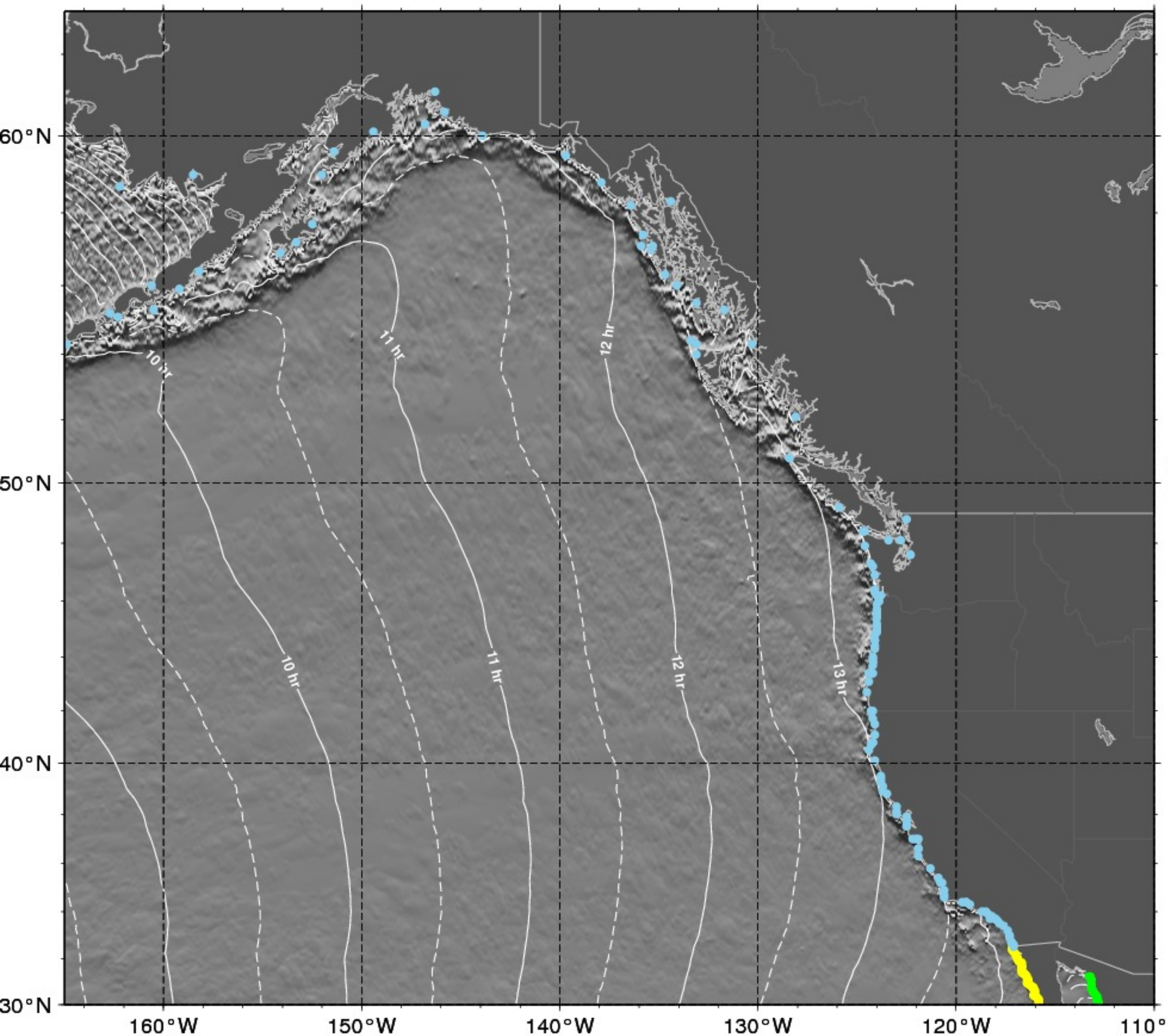

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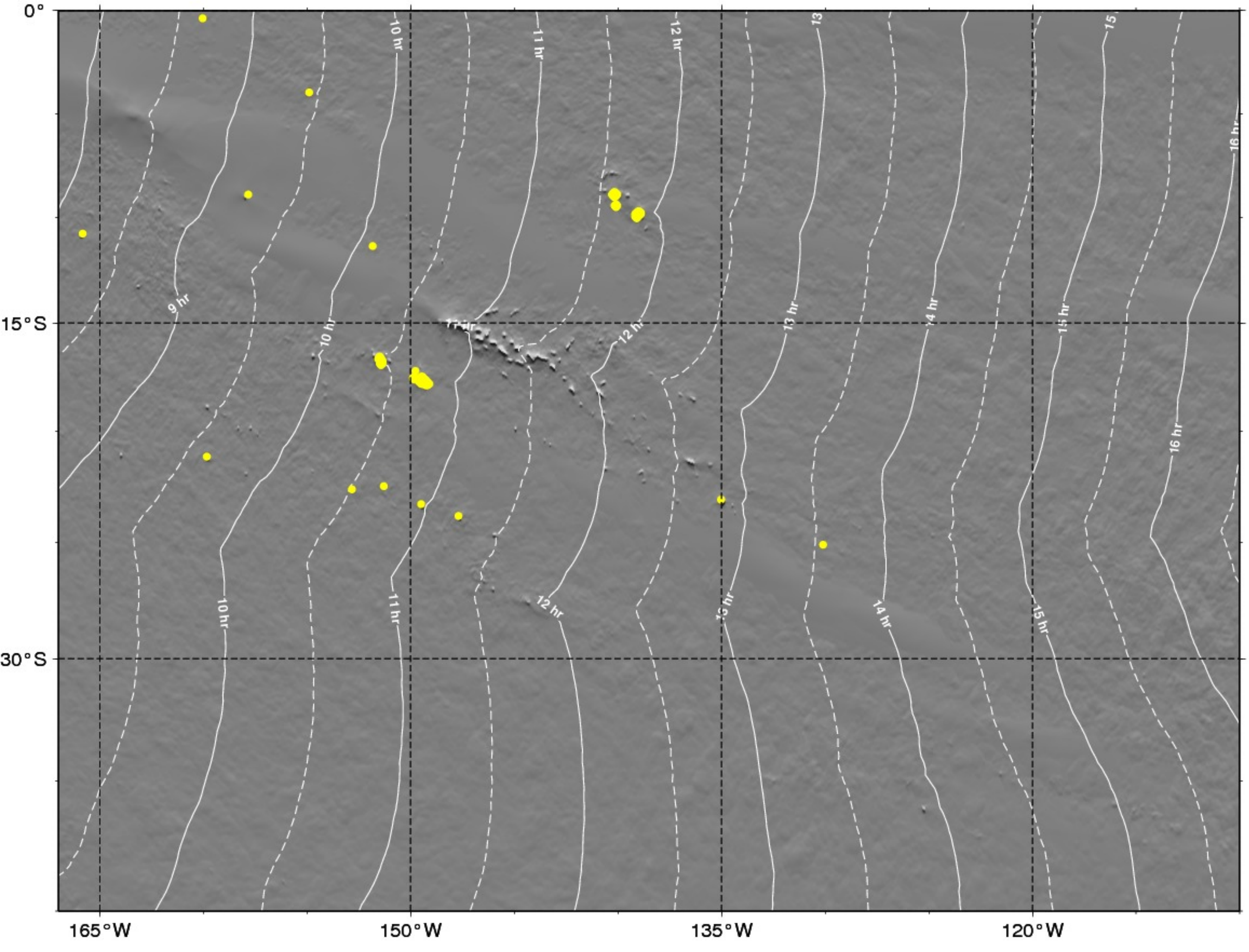

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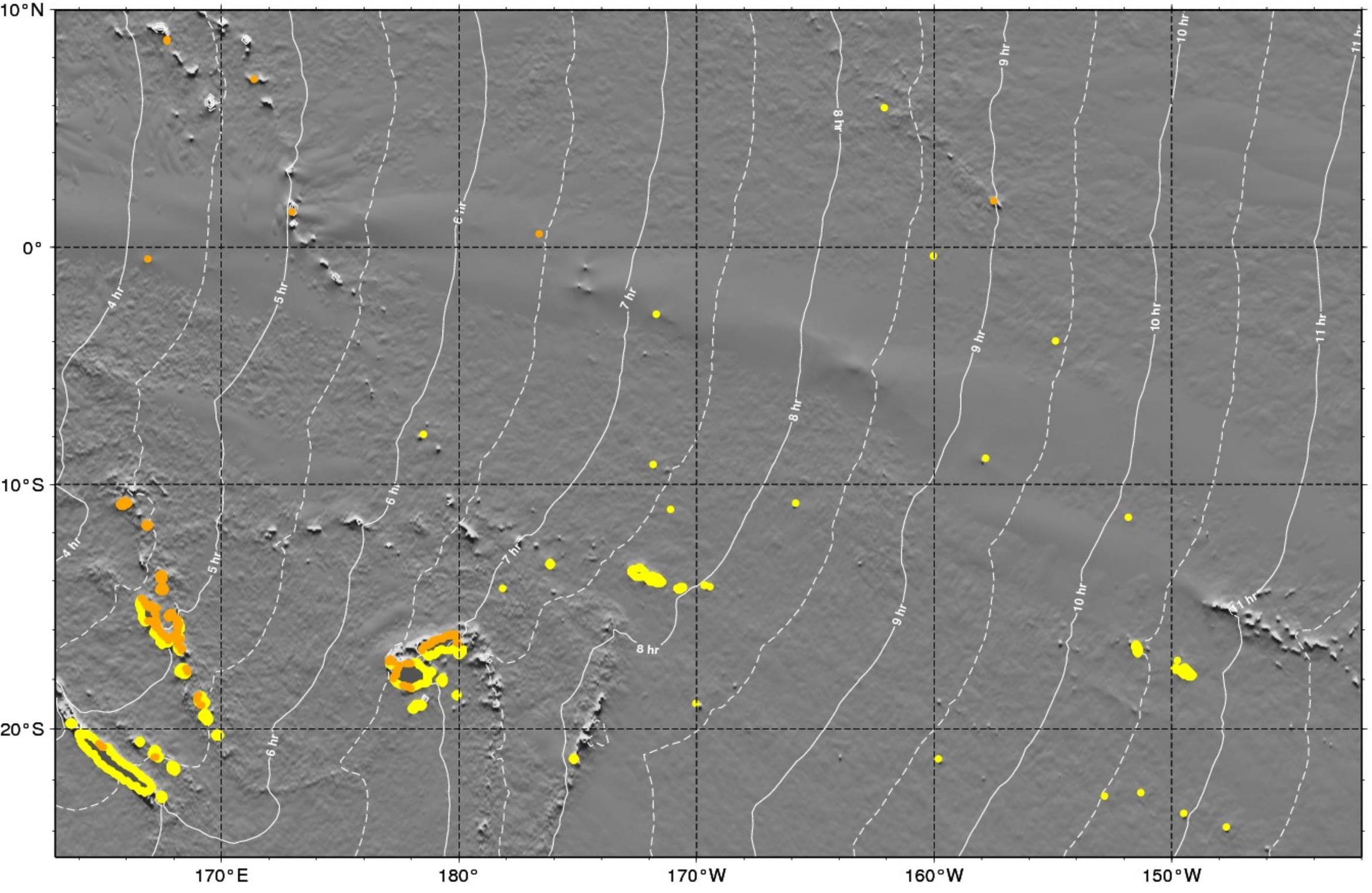

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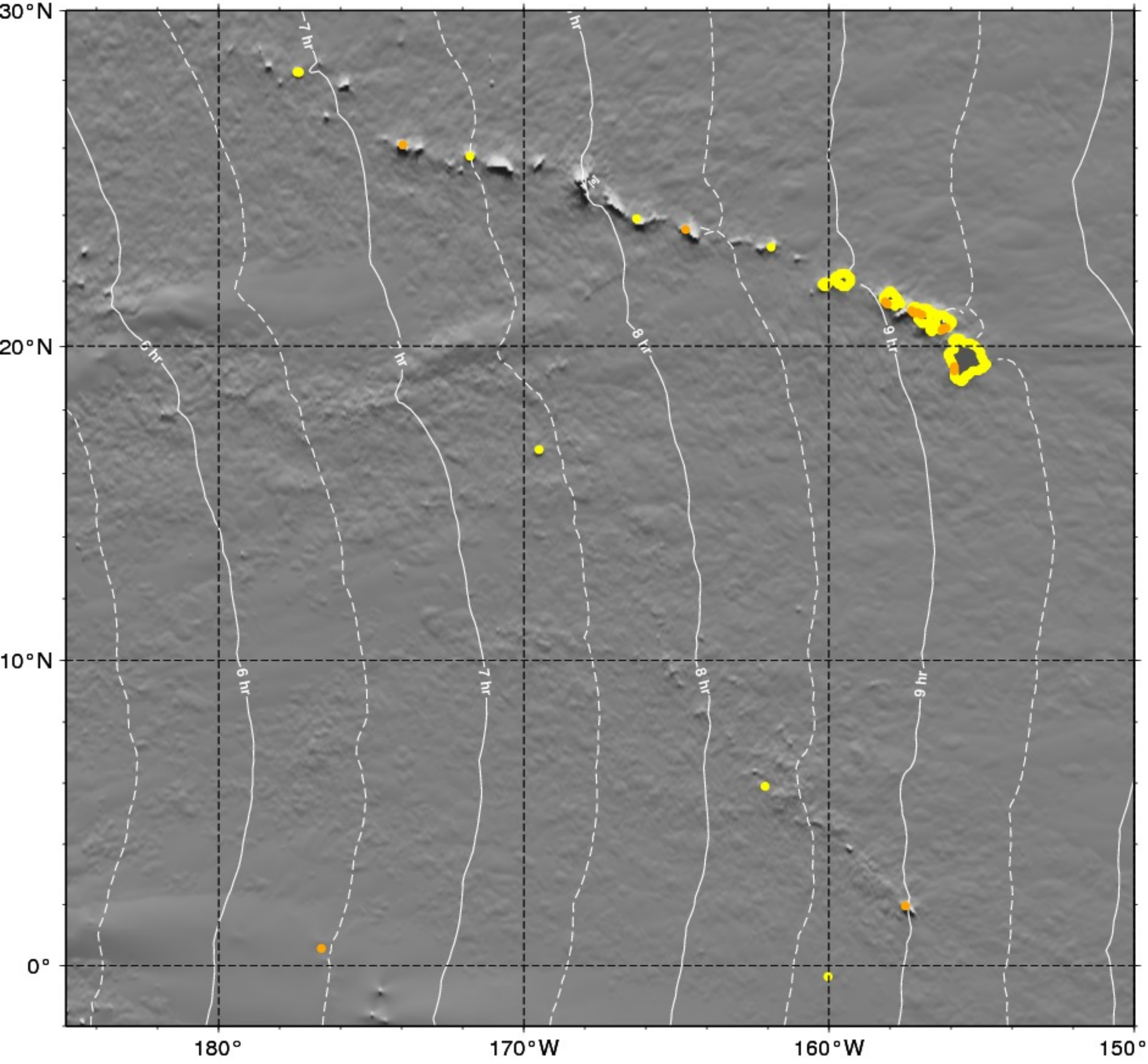

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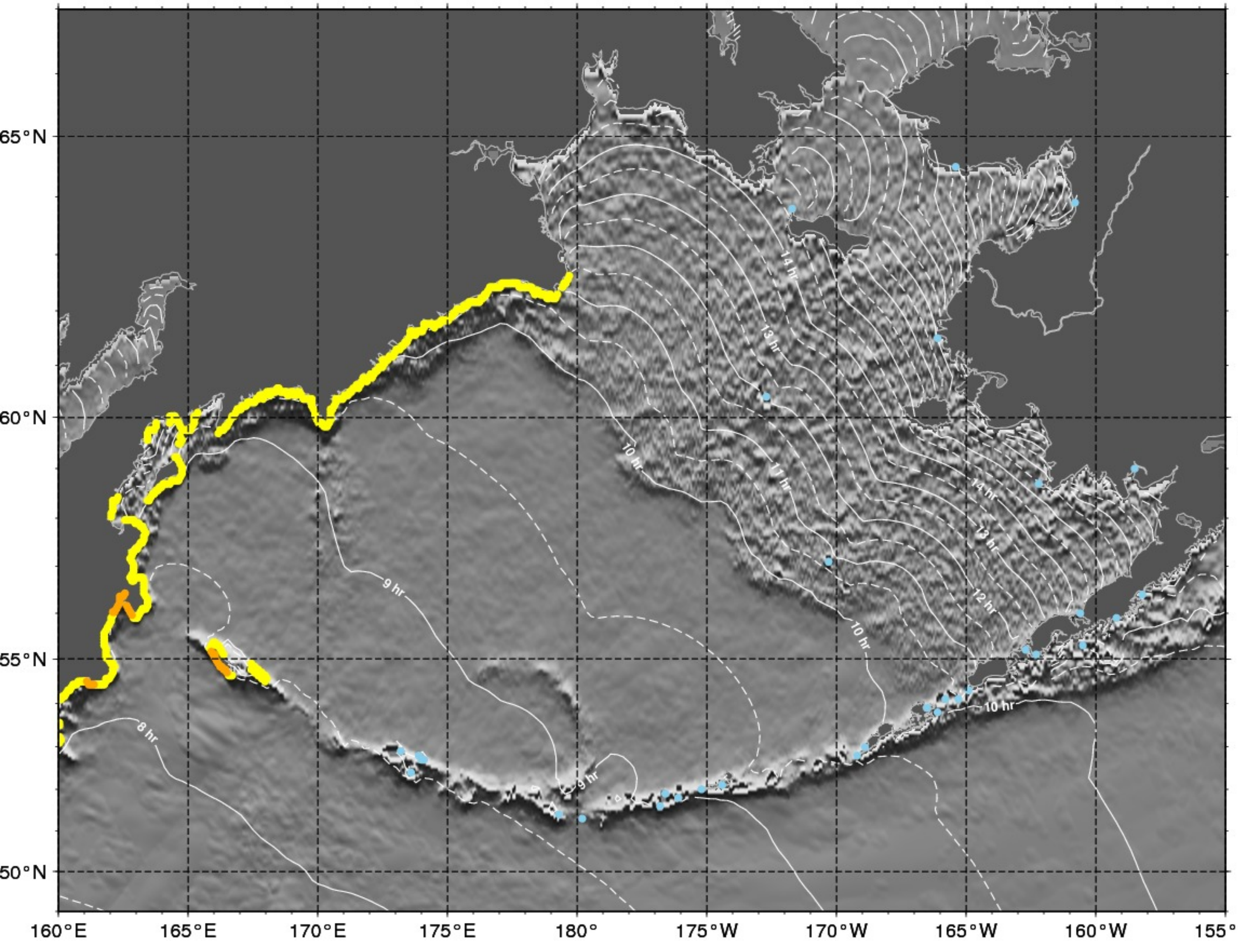

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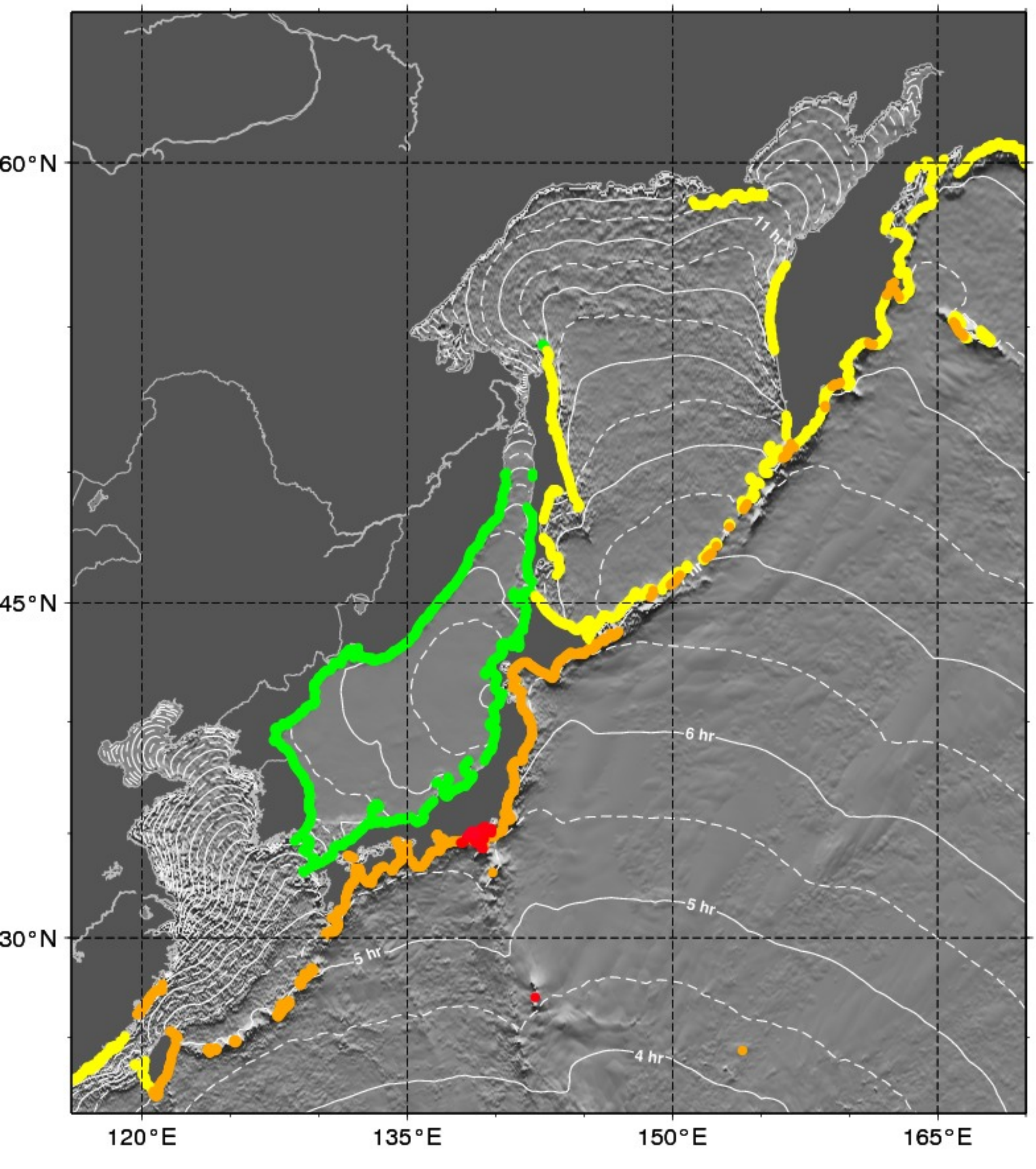

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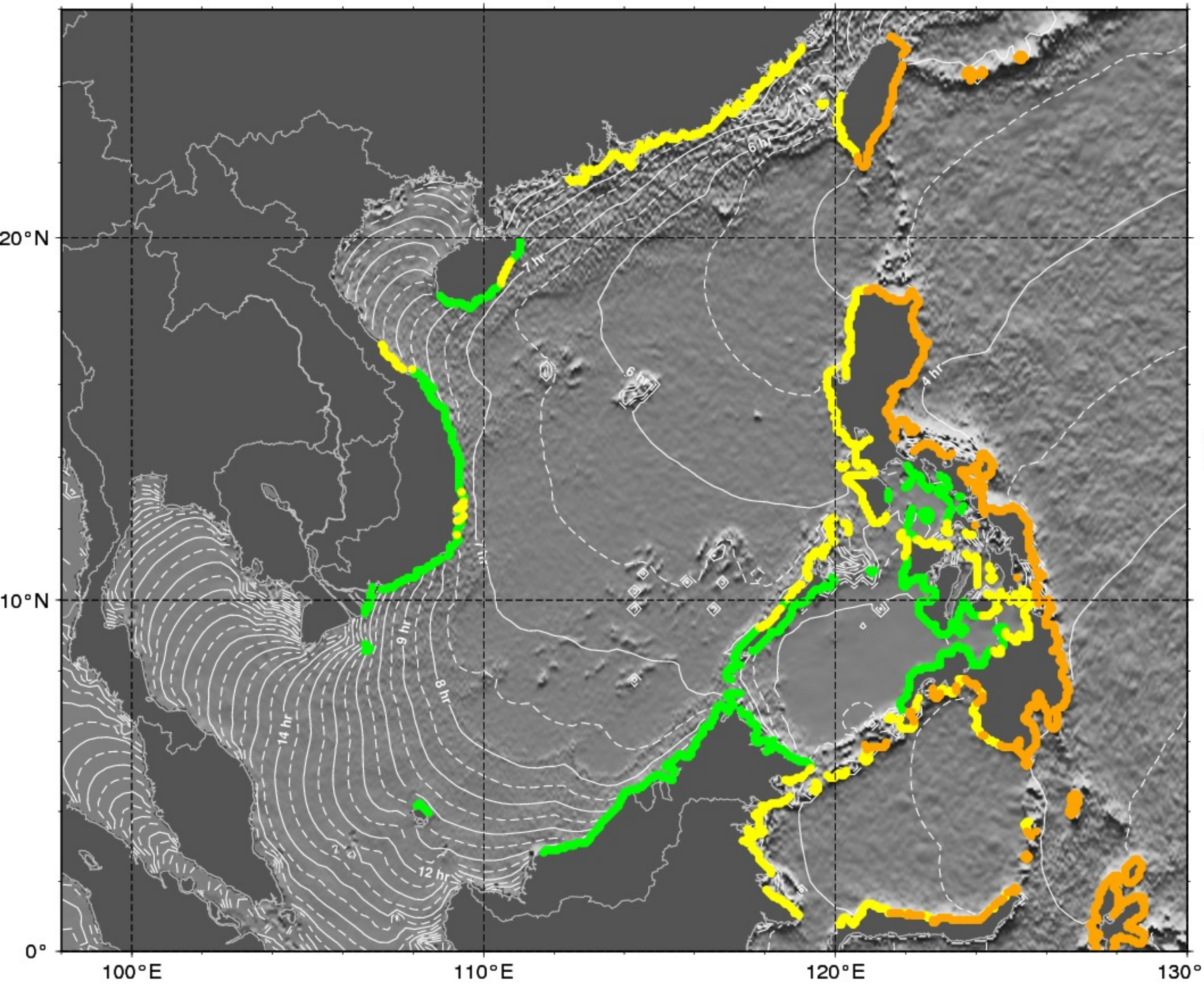

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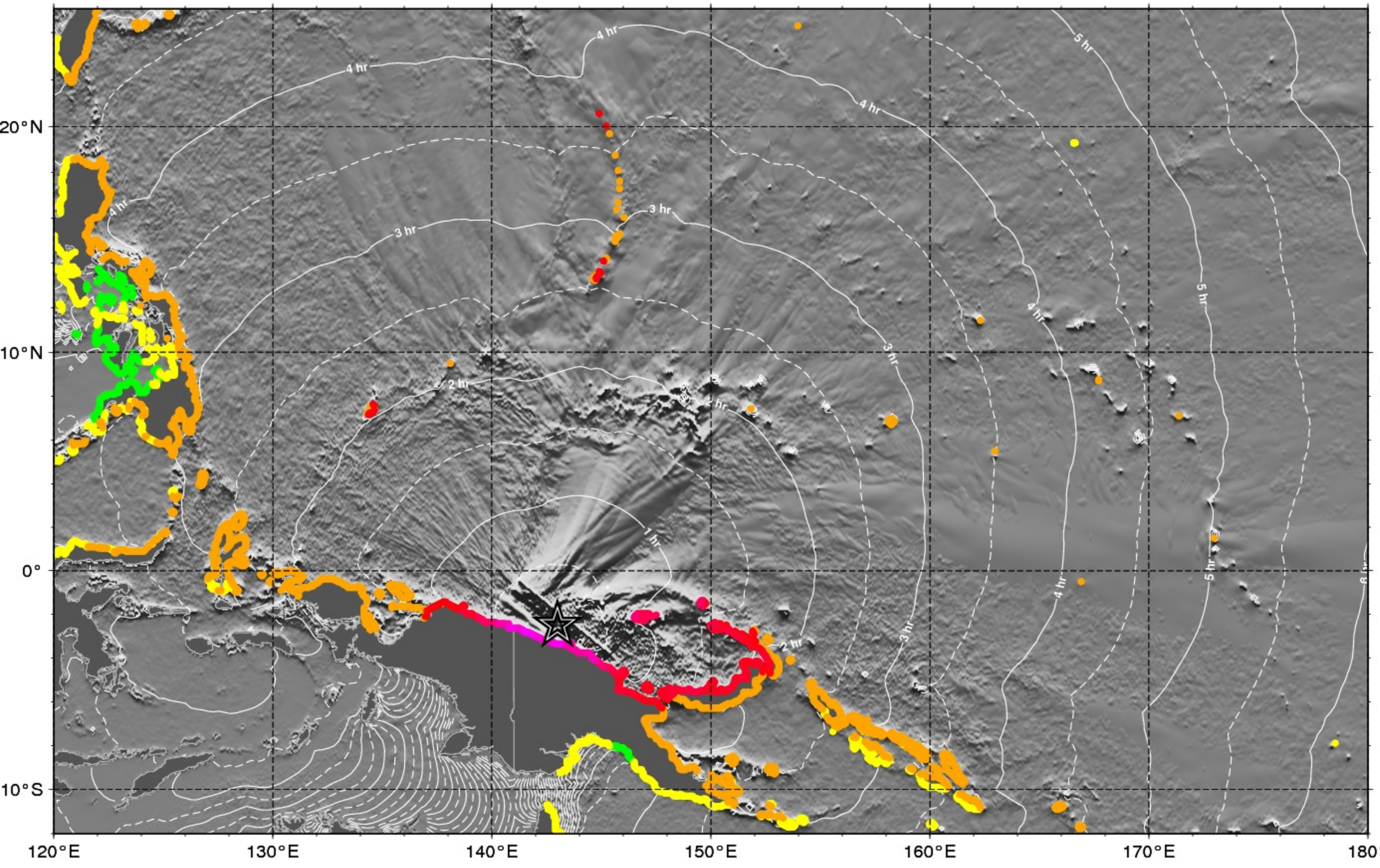

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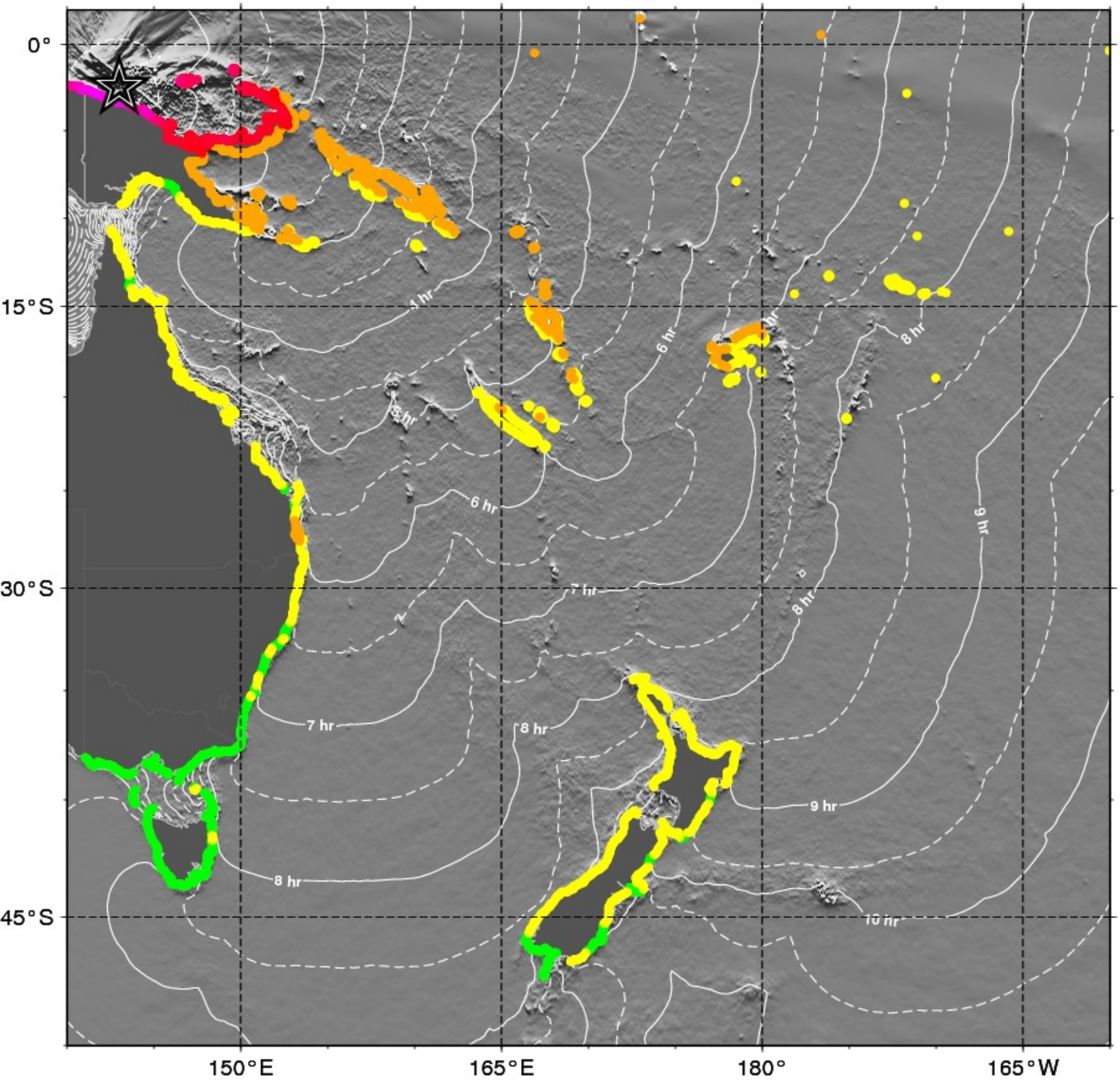

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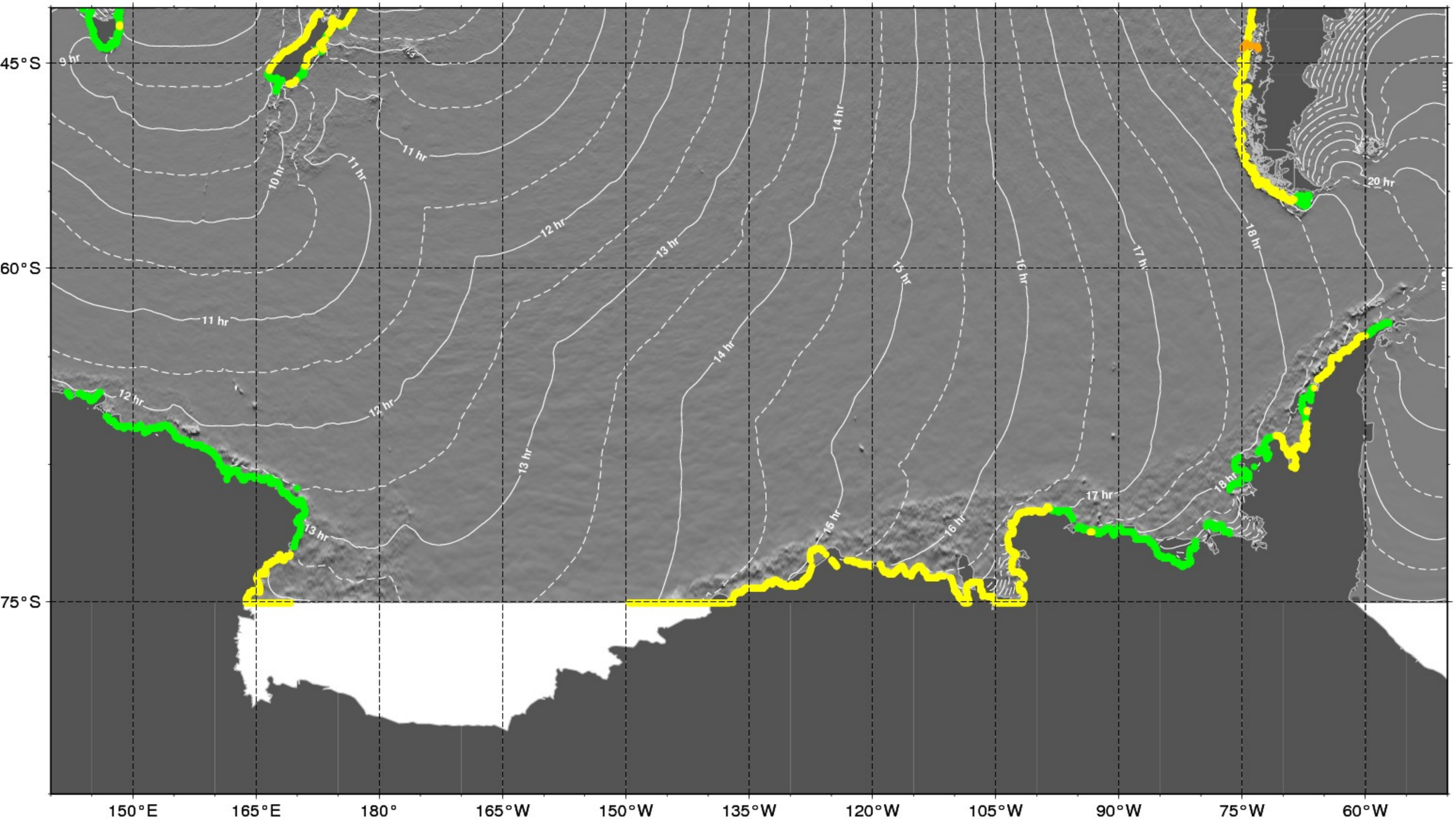

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27 Aug 2014
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PTWC TABLE OF FORECAST STATISTICS FOR REGIONAL POLYGONS - RUN ID 0
(for internal use only - not for distribution)

Earthquake - Origin: 10/01/2014 00:00:00 UTC Coordinates: 2.5S 143.0E 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
18.35	9.17	6.35	4.74	7.82	2.78	2.22	1.72	152	Bismarck_Sea_Coast_of_Papua_New_Guinea
16.98	3.50	2.39	2.88	10.34	1.35	0.91	1.21	266	Pacific_Side_of_Papua_Indonesia
10.24	7.90	7.59	0.98	5.77	3.45	3.51	1.11	23	Manus_Island_Papua_New_Guinea
9.17	4.05	3.90	1.73	7.89	1.14	0.87	0.94	127	New_Ireland
7.18	5.24	5.12	0.60	4.73	2.13	1.92	0.87	86	New_Britain-Bismarck_Sea_Coast_of_New_Britain
5.99	1.96	1.67	1.06	3.86	0.85	0.55	0.78	82	New_Britain-Solomon_Sea_Coast_of_New_Britain
5.14	2.18	2.26	0.86	3.55	1.20	1.12	0.48	407	East_Coast_of_Japanese_Main_Islands
4.39	3.35	3.09	0.67	1.37	0.86	0.83	0.22	12	Guam
3.90	3.21	3.21	0.69	1.03	0.87	0.87	0.16	2	Izu_and_Ogasawara_Islands_Japan
3.69	1.62	1.37	0.56	3.04	0.70	0.54	0.49	141	Solomon_Sea_Coast_of_Papua_New_Guinea
3.57	2.89	2.95	0.55	1.98	1.18	0.86	0.51	15	Palau
3.43	2.57	2.44	0.40	1.62	0.60	0.51	0.28	19	Northern_Marianas
2.85	1.90	1.83	0.43	2.16	0.80	0.73	0.33	350	Pacific_Coast_of_the_Philippines
2.76	2.03	2.27	0.52	1.79	0.76	0.59	0.35	19	Talaud_Islands_Indonesia
2.64	1.99	1.96	0.29	2.37	1.08	1.06	0.45	81	Nansei_Islands_Japan
2.53	0.33	0.18	0.41	1.31	0.19	0.11	0.20	465	West_Coast_of_Japanese_Main_Islands
2.47	1.62	1.40	0.53	2.46	0.73	0.64	0.36	190	Halmahera_Indonesia
2.43	1.44	1.37	0.40	2.88	0.83	0.76	0.46	75	Bougainville_Papua_New_Guinea
2.16	2.16	2.16	0.00	1.59	1.59	1.59	0.00	1	Chuuk_State_Micronesia
2.15	2.15	2.15	0.00	1.65	1.65	1.65	0.00	1	Yap_State_Micronesia
2.08	1.66	1.70	0.21	1.53	0.55	0.49	0.22	49	Eastern_Coast_of_Taiwan
2.05	1.22	1.16	0.36	1.55	0.45	0.38	0.26	339	Choisel_to_Philip_Solomon_Islands
1.85	1.58	1.56	0.18	1.05	0.52	0.44	0.27	10	Pohnpei_State_Micronesia
1.82	0.32	0.28	0.24	0.83	0.12	0.09	0.10	264	Interior_Seas_of_the_Philippines
1.67	1.03	1.00	0.20	1.94	0.48	0.40	0.28	87	Celebes_Sea_Coast_of_Sulawesi_Indonesia
1.66	1.33	1.28	0.18	1.00	0.50	0.44	0.19	18	Santa_Cruz_Islands
1.56	1.40	1.35	0.11	0.72	0.52	0.54	0.12	30	Southeastern_Coast_of_China
1.55	0.81	0.69	0.33	1.10	0.36	0.30	0.23	101	Urup_Etorofu_Kunashiri_Shikotan_and_Habomai_Islands
1.54	1.13	1.11	0.23	0.85	0.41	0.38	0.18	13	Sangihe_Islands_Indonesia
1.53	0.74	0.64	0.23	0.84	0.26	0.22	0.15	94	Galapagos_Islands
1.53	1.05	1.16	0.32	2.22	0.56	0.52	0.33	71	Trobriand_Woodlark_and_Louisiade_Islands

1.49	1.01	1.01	0.18	1.02	0.32	0.28	0.15	189	Vanuatu
1.46	1.46	1.46	0.00	0.21	0.21	0.21	0.00	1	Nauru
1.45	0.92	0.88	0.23	1.26	0.44	0.36	0.27	151	Fiji
1.43	0.52	0.50	0.20	0.84	0.27	0.24	0.13	382	Southern_Chile
1.43	0.77	0.67	0.26	1.00	0.45	0.41	0.18	167	South_Central_Chile
1.41	1.41	1.41	0.00	0.18	0.18	0.18	0.00	1	Kosrae_State_Micronesia
1.40	0.80	0.72	0.25	1.17	0.36	0.33	0.22	95	Kuril_Islands_Russia
1.35	0.93	0.86	0.16	0.57	0.39	0.37	0.08	32	Western_Coast_of_Taiwan
1.33	0.41	0.38	0.20	1.06	0.24	0.17	0.17	164	Coral_Sea_Coast_of_Papua_New_Guinea
1.31	1.17	1.17	0.14	1.40	0.65	0.51	0.48	4	Marshall_Islands
1.28	0.83	0.69	0.22	1.36	0.60	0.59	0.27	38	Komandorsky_Islands_Russia
1.28	0.94	0.94	0.12	1.56	0.67	0.63	0.24	157	Pacific_Coast_of_Kamchatka_Russia
1.23	1.23	1.23	0.00	0.19	0.19	0.19	0.00	1	Minamitorishima_Japan
1.22	1.00	0.99	0.10	0.75	0.38	0.34	0.13	67	Celebes_Sea_Coast_of_the_Philippines
1.17	0.69	0.73	0.20	1.28	0.39	0.36	0.18	153	New_Caledonia
1.17	1.17	1.17	0.00	0.48	0.48	0.48	0.00	1	Gilbert_Islands_Kiribati
1.11	0.58	0.49	0.22	1.42	0.28	0.20	0.23	125	Western_Coast_of_the_Northern_Philippines
1.11	0.80	0.79	0.14	0.85	0.28	0.23	0.14	147	Hawaii
1.10	0.98	0.93	0.07	0.91	0.55	0.46	0.28	5	Northwestern_Hawaiian_Islands
1.09	1.09	1.09	0.00	0.13	0.13	0.13	0.00	1	Howland_and_Baker
1.07	0.87	0.93	0.22	0.62	0.37	0.35	0.09	52	Sulu_Archipelago_Philippines
1.06	0.62	0.64	0.12	1.10	0.44	0.43	0.14	328	Bering_Sea_Coast_of_Eastern_Russia
1.05	0.47	0.38	0.26	0.59	0.26	0.25	0.08	142	Southern_Queensland_Australia
1.05	0.68	0.64	0.12	0.57	0.26	0.23	0.12	119	Northern_Chile
1.02	0.69	0.68	0.12	0.77	0.34	0.29	0.14	120	North_Central_Chile
1.01	0.72	0.58	0.20	0.23	0.13	0.09	0.07	3	Line_Islands_Kiribati
1.00	0.81	0.79	0.09	1.09	0.52	0.49	0.16	75	Pacific_Side_of_Baja_Mexico
0.99	0.97	0.99	0.02	0.16	0.16	0.15	0.00	3	Wake_Island
0.97	0.97	0.97	0.00	0.19	0.19	0.19	0.00	1	Phoenix_Islands_Kiribati
0.96	0.96	0.96	0.00	0.13	0.13	0.13	0.00	1	Tuvalu
0.95	0.62	0.60	0.11	0.68	0.33	0.32	0.10	76	Southern_Peru
0.94	0.75	0.76	0.11	0.90	0.50	0.52	0.17	110	Pacific_Side_of_Baja_Sud_Mexico
0.94	0.72	0.73	0.14	0.95	0.43	0.42	0.16	79	Pacific_Coast_of_Costa_Rica
0.94	0.74	0.76	0.12	0.61	0.23	0.19	0.13	40	Samoa
0.92	0.84	0.91	0.14	0.71	0.57	0.55	0.11	4	Tonga
0.89	0.88	0.89	0.02	0.71	0.60	0.54	0.08	3	Midway_Island
0.88	0.79	0.84	0.08	1.00	0.47	0.41	0.25	33	Jalisco_Mexico
0.88	0.80	0.79	0.06	0.51	0.34	0.33	0.09	27	Celebes_Sea_Coast_of_Sabah_Malaysia
0.88	0.65	0.71	0.18	0.68	0.39	0.39	0.09	130	Southern_Coast_of_China
0.85	0.46	0.63	0.34	1.02	0.34	0.41	0.29	163	Ecuador
0.84	0.55	0.50	0.12	0.68	0.38	0.44	0.17	32	Nayarit_Mexico
0.84	0.78	0.80	0.05	0.78	0.40	0.38	0.09	57	Celebes_Sea_Coast_of_Borneo_Indonesia
0.82	0.79	0.80	0.04	0.83	0.43	0.37	0.16	12	Colima_Mexico
0.82	0.64	0.65	0.12	0.46	0.16	0.14	0.07	35	Society_Islands
0.82	0.63	0.59	0.12	0.50	0.30	0.29	0.09	27	Michoacan_Mexico
0.80	0.61	0.59	0.11	0.92	0.47	0.46	0.15	100	Northern_Peru
0.79	0.59	0.59	0.08	0.91	0.42	0.43	0.19	98	Pacific_Coast_of_Colombia

0.79	0.70	0.75	0.08	0.59	0.29	0.22	0.16	5	Wallis_and_Futuna
0.76	0.76	0.76	0.00	0.12	0.12	0.12	0.00	1	Johnston_Atoll
0.75	0.63	0.68	0.09	0.22	0.14	0.14	0.04	24	Marquesas_Islands
0.73	0.54	0.51	0.05	0.85	0.42	0.42	0.14	104	Central_Peru
0.73	0.57	0.61	0.08	1.29	0.34	0.29	0.20	91	Pacific_Coast_of_Panama
0.71	0.56	0.55	0.07	0.81	0.42	0.41	0.13	114	North_Side_of_North_Island_New_Zealand
0.70	0.70	0.70	0.00	0.12	0.12	0.12	0.00	1	Cocos_Island_Costa_Rica
0.69	0.69	0.69	0.00	0.11	0.11	0.11	0.00	1	Palmyra_Island
0.68	0.46	0.45	0.07	0.58	0.35	0.35	0.07	76	West_Side_of_North_Island_New_Zealand
0.67	0.56	0.56	0.07	0.66	0.34	0.32	0.14	56	Guerrero_Mexico
0.67	0.56	0.58	0.10	0.09	0.08	0.08	0.01	3	Cook_Islands
0.60	0.60	0.60	0.00	0.12	0.12	0.12	0.00	1	Easter_Island
0.60	0.53	0.54	0.04	0.23	0.14	0.12	0.05	18	American_Samoa
0.59	0.59	0.59	0.00	0.20	0.20	0.20	0.00	1	Tokelau
0.59	0.59	0.59	0.00	0.09	0.09	0.09	0.00	1	Jarvis_Island
0.59	0.48	0.47	0.04	0.58	0.29	0.30	0.12	68	Oaxaca_Mexico
0.57	0.42	0.40	0.07	0.92	0.16	0.14	0.09	806	Marie_Byrd_Land_Coast_of_Antarctica
0.57	0.29	0.27	0.06	0.41	0.09	0.07	0.05	99	Gulf_Side_of_Baja_Sud_Mexico
0.56	0.46	0.46	0.05	0.58	0.36	0.35	0.08	35	Pacific_Coast_of_Nicaragua
0.56	0.39	0.39	0.12	0.59	0.26	0.23	0.13	77	Sinaloa_Mexico
0.54	0.41	0.39	0.07	0.54	0.35	0.32	0.09	37	El_Salvador
0.53	0.29	0.24	0.10	0.66	0.12	0.11	0.06	630	Victoria_Oates_and_George_V_Coast_of_Antarctica
0.52	0.34	0.32	0.07	0.49	0.21	0.19	0.09	88	East_Side_of_North_Island_New_Zealand
0.52	0.52	0.52	0.00	0.10	0.10	0.10	0.00	1	Tuamotu_Archipelago
0.51	0.40	0.41	0.06	0.58	0.35	0.34	0.09	150	Sea_of_Okhotsk_Coast_of_Sakhalin_Russia
0.51	0.39	0.39	0.05	0.55	0.19	0.18	0.06	211	Northern_Queensland_Australia
0.48	0.48	0.48	0.00	0.06	0.06	0.06	0.00	1	Niue
0.48	0.44	0.44	0.02	0.50	0.32	0.31	0.08	33	Pacific_Coast_of_Guatemala
0.47	0.44	0.44	0.02	0.53	0.38	0.38	0.08	28	Chiapas_Mexico
0.46	0.32	0.29	0.06	0.62	0.26	0.25	0.08	150	New_South_Wales_Australia
0.46	0.42	0.41	0.02	0.08	0.07	0.07	0.01	4	Austral_Islands
0.45	0.28	0.26	0.09	0.33	0.15	0.15	0.05	130	Palawan_Island_Philippines
0.45	0.25	0.20	0.10	0.23	0.08	0.08	0.03	120	Sulu_Sea_Coast_of_the_Philippines
0.44	0.33	0.30	0.05	0.64	0.41	0.41	0.07	54	Western_Coast_of_Kamchatka_Russia
0.44	0.30	0.30	0.05	0.38	0.11	0.10	0.05	436	Northeast_Side_of_the_Antarctic_Peninsula
0.43	0.36	0.38	0.05	0.47	0.22	0.22	0.11	139	West_Side_of_South_Island_New_Zealand
0.43	0.31	0.31	0.04	0.33	0.19	0.20	0.05	158	East_Side_of_South_Island_New_Zealand
0.39	0.39	0.39	0.00	0.27	0.23	0.23	0.03	3	Pacific_Coast_of_Honduras
0.38	0.38	0.38	0.00	0.06	0.06	0.06	0.00	1	Pitcairn_Islands
0.33	0.26	0.28	0.04	0.27	0.14	0.15	0.05	112	Southern_Coast_of_Vietnam
0.33	0.28	0.28	0.02	0.56	0.14	0.13	0.06	274	Ellsworth_Land_Coast_of_Antarctica
0.32	0.29	0.30	0.02	0.22	0.15	0.15	0.03	46	Hainan_Island_China
0.32	0.30	0.28	0.02	0.22	0.15	0.15	0.02	33	Northern_Coast_of_Vietnam
0.31	0.19	0.22	0.08	0.24	0.12	0.12	0.05	167	Tasmania
0.30	0.30	0.30	0.00	0.27	0.16	0.15	0.04	61	East_Coast_of_Russia_on_the_Sea_of_Okhotsk
0.29	0.18	0.11	0.09	0.30	0.11	0.07	0.06	130	Victoria_Australia

0.29	0.26	0.27	0.02	0.24	0.09	0.08	0.04	97	Sonora_Mexico
0.28	0.21	0.21	0.03	0.44	0.24	0.25	0.08	54	Sulu_Sea_Coast_of_Sabah_Malaysia
0.27	0.27	0.27	0.00	0.06	0.05	0.05	0.01	40	Gulf_Side_of_Baja_Mexico
0.23	0.20	0.21	0.01	0.24	0.13	0.12	0.03	51	Northwest_Coast_of_Sabah_Malaysia
0.22	0.19	0.20	0.02	0.28	0.11	0.10	0.05	47	Tatarskiy_Straight_Coast_of_Sakhalin_Russia
0.21	0.21	0.21	0.00	0.08	0.06	0.07	0.01	6	Natuna_Islands_Indonesia
0.21	0.17	0.17	0.03	0.40	0.11	0.08	0.08	59	Eastern_Coast_of_the_Republic_of_Korea
0.21	0.20	0.20	0.01	0.19	0.14	0.14	0.02	16	Brunei
0.20	0.18	0.18	0.01	0.12	0.08	0.08	0.02	43	East_Coast_of_Russia_on_the_Tatarskiy_Straight
0.19	0.19	0.18	0.00	0.14	0.10	0.10	0.01	42	Southwest_Coast_of_Sabah_Malaysia
0.19	0.14	0.16	0.02	0.36	0.07	0.06	0.05	89	Eastern_Coast_of_DPR_of_Korea
0.15	0.11	0.11	0.01	0.14	0.06	0.05	0.02	148	East_Coast_of_Russia_north_of_the_Korean_Peninsula