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Supporting Information for

**Globally Scattered 2011 Tohoku Tsunami Waves from a Seafloor Sensor Array in the Northeast Pacific Ocean**

Monica D. Kohler<sup>1</sup>, Daniel Bowden<sup>2</sup>, Jean-Paul Ampuero<sup>3</sup>, Jian Shi<sup>1</sup>

<sup>1</sup>Department of Mechanical and Civil Engineering; California Institute of Technology, Pasadena, CA, 91125, USA

<sup>2</sup>Seismological Laboratory; California Institute of Technology, Pasadena, CA, 91125, USA. Now at Institute of Geophysics; ETH Zürich, 8092 Zürich, Switzerland

<sup>3</sup>Seismological Laboratory; California Institute of Technology, Pasadena, CA, 91125, USA. Now at Université Côte d'Azur, IRD, CNRS, Observatoire de la Côte d'Azur, Géoazur, France

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**Table S1.** Compilation of geographic scatterer properties identified from selected backward-projected ray-tracing end points in all period bands (9-31 min) discussed in main text. A representative selection of these entries is shown in the Supplementary section figures. Simultaneous arrivals from different scattering locations are described as “split” arrivals. Shaded (gray) blank rows separate the different filter bands. Coda Time refers to time after the first direct tsunami wave arrival at the ALBACORE seafloor pressure gauge array.

<b>Central filter period (min)</b>	<b>Coda Time (hrs)</b>	<b>Back Azimuth (°)</b>	<b>Scatterer Location in Pacific Ocean</b>
30	0.32	295.2	Eastern end of Pioneer Fracture Zone
30	1.15	316.4	Eastern end of Pioneer Fracture Zone
30	1.43	294.1	Gulf of Alaska
30	1.98	314.8	Eastern end of Pioneer Fracture Zone
30	2.54	3.4	Offshore southern California
30	2.82	297.9	Gulf of Alaska: SE Alaska coastline
30	3.37	299.5	Gulf of Alaska: SE Alaska coastline
30	3.65	288.6	Gulf of Alaska: Central Alaska coastline
30	4.48	294.1	Gulf of Alaska: SE Alaska coastline
30	5.32	310.9	Oregon coastline
30	6.15	305.0	Gulf of Alaska: SE Alaska coastline
30	6.43	5.6	Offshore southern California
30	6.98	99.2	Northern Baja California
30	7.26	336.0	Central California coastline
30	7.26	9.4	Offshore southern California
30	7.82	10.5	Offshore southern California
30	8.37	99.2	Northern Baja California
30	8.65	28.4	Offshore southern California
30	8.93	305.0	Gulf of Alaska: Northwestern British Columbia
30	9.20	250.5	Samoa Islands
30	9.48	240.2	Tuamotu Archipelago in French Polynesia
30	10.59	230.4	Tuamotu Archipelago in French Polynesia
30	10.87	69.3	Offshore southern California
30	11.70	104.6	Northern Baja California
30	11.98	111.7	Northern Baja California
30	13.09	238.0	South Pacific Ocean, South of Austral Fracture Zone
30	13.37	312.0	Eastern end of Mendocino Fracture Zone – northern California coastline
30	13.65	322.4	Central California coastline
30	13.93	59.5	Offshore southern California

30	14.20	37.7	Offshore southern California
30	15.32	122.1	Central Baja California coastline
30	15.32	334.9	Central California coastline
30	15.87	86.7	Southern California coastline
30	16.15	278.8	Solomon Islands. Split with northern Aleutian Basin (Bering Sea)
30	16.70	272.8	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
30	17.54	72.0	Southern California coastline
30	18.37	63.3	Offshore southern California
30	17.82	255.4	South Fiji Basin – Tonga Trench
30	17.82	325.6	Central California coastline
30	18.65	251.6	Samoa Islands
30	19.20	2.9	Offshore southern California
30	19.20	109.5	Northern Baja California
30	19.76	287.0	Gulf of Alaska: central Alaska coastline
30	20.59	250.5	Tonga Trench
30	21.43	4.5	Offshore southern California
30	22.54	1.2	Offshore southern California
30	22.82	278.3	Solomon Islands. Split with Gulf of Alaska
30	23.65	265.8	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
30	24.48	262.0	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone. Split with NE Australia coastline
30	25.32	264.7	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
30	25.87	73.1	Offshore southern California
30	26.15	265.2	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
30	27.54	159.1	Antarctic coastline in Bellingshausen Sea
30	28.93	168.9	Antarctic coastline in Bellingshausen Sea
30	29.48	166.7	Antarctic coastline in Bellingshausen Sea
30	30.87	166.7	Antarctic coastline in Bellingshausen Sea
30	31.70	6.7	Offshore southern California
30	32.54	162.9	Antarctic coastline in Bellingshausen Sea
30	33.37	168.3	Antarctic coastline in Bellingshausen Sea
30	34.76	146.6	West coast of northern Chile
30	35.59	341.4	Central California coastline
30	35.87	255.4	South Fiji Basin – Tonga Trench
30	36.43	345.2	Central California coastline
30	36.70	168.9	Antarctic coastline in Bellingshausen Sea
30	36.98	159.1	Antarctic coastline in Bellingshausen Sea
30	37.26	231.5	Antarctic coastline in Ross Sea
30	37.54	224.4	Antarctic coastline in Ross Sea
30	38.09	208.6	Antarctic coastline in Amundsen Sea

30	38.65	211.3	Antarctic coastline in Amundsen Sea
28	0.32	293.5	Eastern end of Pioneer Fracture Zone
28	0.59	293.5	SE Gulf of Alaska
28	1.15	300.1	SE Gulf of Alaska
28	1.43	293.0	SE Gulf of Alaska
28	1.98	331.1	Central California coastline
28	2.26	346.3	Offshore southern California
28	2.82	306.6	Gulf of Alaska: SE British Columbia coastline
28	3.37	301.1	Gulf of Alaska: SE British Columbia coastline
28	4.48	259.8	Central Pacific Basin – northern Line Islands. Split with western Molokai Fracture Zone
28	4.48	345.8	Central California coastline
28	5.32	336.0	Central California coastline
28	5.59	8.8	Offshore southern California
28	6.15	311.5	Eastern end of Mendocino Fracture Zone – northern California coastline
28	6.70	86.1	Offshore southern California
28	6.98	309.9	Gulf of Alaska: Washington and British Columbia coastline
28	7.82	324.0	Central California coastline
28	8.37	138.4	Eastern end of Clipperton Fracture Zone
28	8.65	310.4	Gulf of Alaska: Washington and British Columbia coastline
28	9.20	318.0	Central California coastline
28	9.76	243.4	Tahiti – south of Tuamotu Archipelago in French Polynesia
28	10.32	231.5	Middle of Tuamotu Archipelago in French Polynesia
28	11.15	230.4	Middle of Tuamotu Archipelago in French Polynesia
28	11.43	101.9	Offshore southern California
28	11.43	345.2	Central California coastline
28	11.98	101.9	Offshore southern California
28	12.54	98.1	Offshore southern California
28	13.65	107.4	Offshore southern California – northern Baja California
28	13.65	319.7	Central California coastline
28	14.20	284.8	Gulf of Alaska: South-central Alaska coastline
28	14.76	89.4	Offshore southern California
28	15.32	158.5	Galapagos Rise
28	15.59	348.0	Central California coastline
28	15.87	264.7	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
28	16.98	262.0	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone. Split with NE Australia coastline
28	18.65	79.1	Offshore southern California
28	19.20	85.6	Offshore southern California
28	19.48	256.5	South Fiji Basin – Tonga Trench. Split with NE Australia coastline
28	20.87	239.1	Pacific-Antarctic Ridge, SW of Udintsev Fracture Zone

28	21.70	253.2	South Fiji Basin – Samoa Islands
28	23.09	270.1	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
28	23.93	271.8	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
28	25.59	270.1	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
28	26.15	267.9	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
28	24.48	12.1	Offshore southern California
28	24.48	158.0	South of Chile Rise
28	26.43	168.9	Antarctic coastline in Bellingshausen Sea
28	27.82	163.4	Antarctic coastline in Bellingshausen Sea
28	28.93	164.0	Antarctic coastline in Bellingshausen Sea
28	29.76	171.1	Antarctic coastline in Bellingshausen Sea
28	30.59	159.1	Antarctic coastline in Bellingshausen Sea. Split with west coast of southern Chile
28	30.87	54.0	Offshore southern California
28	31.15	263.6	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
28	31.70	21.9	Offshore southern California
28	31.70	143.8	West coast of Chile
28	31.98	260.9	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone. Split with Solomon Islands and Samoa Islands
28	32.26	347.4	Central California coastline
28	32.54	170.5	Antarctic coastline in Bellingshausen Sea
28	33.09	249.4	Tonga Trench and Kermadec Trench
28	33.37	168.9	Antarctic coastline in Bellingshausen Sea
28	35.04	179.8	Antarctic coastline in Bellingshausen Sea
28	36.43	148.7	West coast of northern and central Chile
28	37.26	151.5	West coast of northern and central Chile
28	37.26	234.7	Antarctic coastline in Ross Sea
28	37.82	151.5	West coast of northern and central Chile
28	38.09	209.7	Antarctic coastline in Amundsen Sea
28	38.65	210.2	Antarctic coastline in Amundsen Sea
26	0.32	293.5	Eastern end of Pioneer Fracture Zone
26	0.59	325.6	Central California coastline
26	0.87	293.5	SE Gulf of Alaska
26	1.15	342.5	Offshore southern California
26	1.43	290.8	Gulf of Alaska
26	1.98	288.1	Gulf of Alaska: offshore south-central Alaska
26	2.54	347.4	Offshore southern California
26	3.37	337.1	Central California coastline

26	4.76	7.8	Offshore southern California
26	5.04	276.7	Marshall Islands
26	5.32	302.2	Gulf of Alaska: Northwestern British Columbia
26	5.87	302.8	Gulf of Alaska: Northwestern British Columbia
26	6.70	315.3	Eastern end of Pioneer Fracture Zone – northern California coastline
26	6.98	103.0	Southern California – northern Baja California coastline
26	7.26	311.5	Eastern end of Mendocino Fracture Zone – northern California and Oregon coastline
26	8.37	310.4	Oregon and Washington coastline
26	9.20	322.4	Central California coastline
26	9.76	229.8	Western end of Marquesas Fracture Zone (North of Tuamotu Archipelago NE of Tuamotu Archipelago in French Polynesia)
26	10.87	232.0	Middle of Tuamotu Archipelago in French Polynesia
26	11.43	18.6	Offshore southern California
26	11.98	127.5	West coast of southern Baja California
26	12.54	115.5	West coast of northern Baja California
26	12.82	4.5	Offshore southern California
26	13.09	133.0	Galapagos Rift near Cocos Ridge
26	13.37	318.6	Central California coastline
26	13.65	133.5	Galapagos Rift near Cocos Ridge
26	14.20	243.4	South Pacific Ocean, north of Louisville Ridge
26	14.76	230.9	South Pacific Ocean, north of Louisville Ridge
26	15.04	78.5	Offshore southern California
26	15.32	78.0	Offshore southern California
26	15.87	344.1	Central California coastline
26	16.70	260.3	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone. Split with NE Australia coastline
26	16.98	145.5	East of Galapagos Rise in Peru Basin
26	17.54	141.1	East of Galapagos Rise in Peru Basin
26	18.37	254.9	Fiji Islands – Samoa Islands
26	18.93	272.3	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
26	19.20	263.6	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
26	19.48	88.3	Southern California coastline
26	20.04	269.6	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
26	20.32	293.0	Gulf of Alaska: South-central Alaska coastline
26	20.59	85.6	Offshore southern California
26	21.15	82.3	Offshore southern California
26	21.70	291.3	Gulf of Alaska: South-central Alaska coastline
26	21.98	92.7	Offshore southern California
26	22.54	263.0	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone

26	22.82	282.1	Gulf of Alaska: Southwestern Alaska coastline. Split with Solomon Islands
26	23.65	149.3	West of Chile Trench near central Chile
26	23.93	282.1	Gulf of Alaska: SW Alaska coastline. Split with Solomon Islands
26	24.48	88.3	Offshore southern California
26	25.04	266.9	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
26	25.59	271.8	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
26	26.15	270.1	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
26	26.43	183.6	Antarctic coastline in Bellingshausen Sea
26	26.70	21.9	Offshore southern California
26	27.26	15.9	Offshore southern California
26	27.82	162.3	Antarctic coastline in Bellingshausen Sea
26	28.65	169.4	Antarctic coastline in Bellingshausen Sea
26	29.20	169.4	Antarctic coastline in Bellingshausen Sea
26	30.87	177.6	Antarctic coastline in Bellingshausen Sea
26	31.15	165.6	Antarctic coastline in Bellingshausen Sea
26	31.43	3.4	Offshore southern California
26	31.98	180.9	Antarctic coastline in Bellingshausen Sea
26	32.26	10.5	Central California coastline
26	33.09	214.1	Antarctic coastline in Amundsen Sea
26	33.65	169.4	Antarctic coastline in Bellingshausen Sea
26	33.93	152.5	West coast of central Chile
26	34.20	168.9	Antarctic coastline in Bellingshausen Sea
26	35.04	159.6	Antarctic coastline in Bellingshausen Sea. Split with west coast of southernmost Chile
26	35.59	79.1	Offshore southern California
26	36.43	236.9	Antarctic coastline in Ross Sea
26	36.98	230.4	Antarctic coastline in Ross Sea
26	37.82	229.3	Antarctic coastline in Ross Sea
26	38.65	234.2	Antarctic coastline in Ross Sea
24	0.59	290.8	SE Gulf of Alaska
24	1.43	288.1	Gulf of Alaska
24	2.54	290.3	Gulf of Alaska: South-central Alaska coastline
24	3.09	287.0	Gulf of Alaska: South-central Alaska coastline
24	3.37	339.8	Offshore southern California
24	3.93	345.2	Offshore southern California
24	4.76	339.8	Offshore southern California
24	5.59	339.8	Offshore southern California
24	5.87	266.9	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone

24	6.43	270.7	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
24	6.98	276.7	Kapingamarangi Rise
24	7.26	248.3	Southern Line Islands – northern Tuamotu Archipelago in French Polynesia
24	7.54	88.3	Offshore southern California
24	8.09	25.7	Offshore southern California
24	8.65	21.4	Offshore southern California
24	8.65	302.8	Gulf of Alaska: SE coast of Alaska
24	9.20	290.8	Gulf of Alaska: South-central coast of Alaska
24	9.48	310.9	Eastern end of Mendocino Fracture Zone – northern California and Oregon coastline
24	10.04	227.7	Central Tuamotu Archipelago in French Polynesia
24	10.59	230.9	Central Tuamotu Archipelago in French Polynesia
24	10.87	230.9	Central Tuamotu Archipelago in French Polynesia
24	11.43	316.4	Eastern end of Pioneer Fracture Zone – northern California coastline
24	12.26	229.3	Austral Fracture Zone
24	12.82	99.2	Southern California coastline
24	13.09	233.1	Austral Fracture Zone
24	13.65	275.6	Solomon Islands
24	13.93	230.9	South Pacific Ocean, north of Louisville Ridge
24	14.48	230.9	South Pacific Ocean, north of Louisville Ridge
24	14.76	248.9	Between Chatham Rise and Louisville Ridge
24	15.32	285.9	Gulf of Alaska: South-central Alaska coastline
24	15.59	220.0	Near East Pacific Rise and Challenger Fracture Zone
24	15.87	324.6	Central California coastline
24	16.70	274.5	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone. Split with Solomon Islands
24	16.98	291.3	Gulf of Alaska: Southeastern Alaska coastline
24	17.26	109.0	Northern Baja California coastline
24	18.37	282.1	Gulf of Alaska: South-central Alaska coastline. Split with Solomon Islands
24	18.65	161.3	Western end of Sala y Gomez Ridge
24	18.93	273.4	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone. Split with Solomon Islands
24	19.20	99.7	Southern California coastline
24	19.48	266.9	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
24	20.04	255.4	Fiji Islands – Samoa Islands
24	20.32	74.2	Southern California coastline
24	20.87	158.0	Eastern end of Challenger Fracture Zone
24	20.59	263.6	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
24	21.15	256.0	Fiji Islands – Solomon Islands



24	21.43	74.2	Southern California coastline
24	21.70	293.5	Gulf of Alaska: SE Alaska coastline
24	22.26	294.1	Gulf of Alaska: SE Alaska coastline
24	22.54	281.6	Gulf of Alaska: Central-western Alaska coastline. Split with eastern New Guinea
24	23.09	152.5	North of Juan Fernandez Ridge
24	23.93	147.6	West coast of central Chile
24	24.20	277.7	Solomon Islands. Split with central-west coast of Alaska in Aleutian Basin
24	24.48	56.2	Southern California coastline
24	24.76	166.7	Eastern end of Eltanin Fracture Zone
24	25.59	162.9	South Pacific Ocean near Bellingshausen Sea
24	26.15	270.1	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
24	26.43	166.7	Antarctic coastline in Bellingshausen Sea
24	26.70	167.2	Antarctic coastline in Bellingshausen Sea
24	26.15	18.6	Offshore southern California
24	27.82	156.9	West coast of southern Chile
24	28.65	184.1	Antarctic coastline in Bellingshausen Sea
24	29.20	153.6	West coast of southern Chile
24	30.32	155.8	West coast of southern Chile
24	30.32	169.4	Antarctic coastline in Bellingshausen Sea
24	30.59	222.2	Antarctic coastline in Ross Sea
24	31.70	12.7	Offshore southern California
24	31.70	173.2	Antarctic coastline in Bellingshausen Sea
24	32.82	152.5	West coast of central Chile
24	33.09	266.3	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
24	33.65	235.8	Antarctic coastline in Ross Sea
24	33.65	337.6	Central California coastline
24	33.93	151.5	West coast of central Chile
24	34.20	276.7	Solomon Islands
24	34.76	258.7	SE Australia coastline. Splits with north of Big Island, Hawaiian Islands and Fiji Islands
24	35.04	245.1	Antarctic coastline in Ross Sea. Split with Chatham Rise
24	35.59	85.6	Southern California coastline
24	35.87	250.0	Tonga Trench. Split with Chatham Rise
24	36.43	258.1	Fiji Islands. Splits with NE Australia coastline and north of Big Island, Hawaiian Islands
24	36.70	241.8	Antarctic coastline in Ross Sea
24	36.98	228.8	Antarctic coastline in Ross Sea
24	37.54	216.8	Antarctic coastline in Amundsen Sea
24	38.37	253.8	Cook Islands – Samoa Islands – Fiji Islands
24	38.37	56.2	Offshore southern California

22	0.59	289.2	Southeastern Gulf of Alaska
22	1.15	287.5	South-central Gulf of Alaska
22	1.98	285.9	Gulf of Alaska: south-central Alaska coastline
22	2.26	289.7	Gulf of Alaska: southeastern Alaska coastline
22	3.37	16.5	Offshore southern California
22	4.76	282.1	Gulf of Alaska: southwestern Alaska coastline. Split with Marshall Islands
22	5.04	265.2	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
22	5.59	257.1	Central Pacific Basin
22	6.15	23.5	Offshore southern California
22	6.15	258.1	Central Pacific Basin. Split with north of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
22	6.98	259.2	Central Pacific Basin. Split with north of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
22	7.26	253.2	Cook Islands
22	8.09	328.9	Central California coastline
22	8.93	278.3	Solomon Islands. Split with central Aleutian Islands
22	9.48	235.8	Tuamotu Archipelago in French Polynesia
22	10.04	233.1	Tuamotu Archipelago in French Polynesia
22	10.59	231.5	Tuamotu Archipelago in French Polynesia
22	11.70	255.4	Fiji Islands – Samoa Islands
22	13.09	228.8	Austral Islands
22	14.20	221.1	Austral Islands
22	14.48	128.6	Southern Baja California coastline. Split with Galapagos Rift
22	14.76	232.0	South Pacific Ocean, South of Austral Islands
22	14.76	317.5	Eastern end of Pioneer Fracture Zone, northern California coastline
22	15.87	296.8	Gulf of Alaska: SE Alaska coastline
22	16.70	207.0	West of East Pacific Rise near Challenger Fracture Zone
22	16.98	15.9	Offshore southern California
22	16.98	140.6	West of Peru – Chile Trench in Peru Basin, East of Galapagos Rise
22	17.54	121.0	Central Baja California coastline
22	17.82	97.0	Offshore southern California
22	18.09	130.2	West coast of Ecuador – northern Peru
22	18.65	142.2	West of Peru – Chile Trench in Peru Basin, east of Galapagos Rise
22	20.32	125.3	Central-southern Baja California coastline
22	20.32	260.9	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone. Split with Fiji Islands and NE Australia coastline
22	20.87	164.0	Western end of Challenger Fracture Zone
22	20.87	265.2	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
22	20.59	94.3	Offshore southern California
22	21.43	5.6	Offshore southern California
22	21.43	168.3	East Pacific Rise – western end of Challenger Fracture Zone

22	21.98	113.4	Offshore southern California
22	22.82	289.2	Gulf of Alaska: SE Alaska coastline
22	23.09	155.3	Juan Fernandez Ridge – eastern Valdivia Fracture Zone in Chile Basin
22	23.37	301.7	Gulf of Alaska: SW British Columbia coastline
22	24.20	294.6	Gulf of Alaska: SE Alaska – SW British Columbia coastline
22	25.04	288.1	Gulf of Alaska: South-central Alaska coastline
22	25.59	281.0	Gulf of Alaska: Southwestern Alaska coastline. Split with Solomon Islands
22	26.43	280.5	Gulf of Alaska: Southwest Alaska coastline. Split with Solomon Islands
22	26.70	149.3	West coast of central Chile
22	26.98	172.1	Antarctic coastline in Bellingshausen Sea
22	27.26	270.1	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
22	27.82	270.7	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
22	28.37	275.0	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone. Splits with eastern New Guinea and Solomon Islands
22	28.65	172.7	Antarctic coastline in Bellingshausen Sea
22	29.48	154.2	West coast of southern Chile
22	29.76	178.1	Antarctic coastline in Bellingshausen Sea
22	30.59	128.6	Southern Baja California coastline. Split with western Ecuador – northern Peru coastline
22	31.70	190.6	Antarctic coastline in Bellingshausen Sea
22	32.54	171.1	Antarctic coastline in Bellingshausen Sea
22	33.37	149.3	West coast of central Chile coastline
22	33.65	159.1	Antarctic coastline in Bellingshausen Sea. Split with west coast of southernmost Chile
22	33.93	210.2	Antarctic coastline in Amundsen Sea
22	34.48	161.8	Antarctic coastline in Bellingshausen Sea
22	34.76	240.2	Antarctic coastline in Ross Sea
22	35.32	236.4	Antarctic coastline in Ross Sea
22	35.59	178.7	Antarctic coastline in Bellingshausen Sea
22	35.87	242.4	Antarctic coastline in Ross Sea
22	36.98	229.3	Antarctic coastline in Ross Sea
22	37.82	241.3	Antarctic coastline in Ross Sea
22	38.65	151.5	West coast of central Chile
20	0.59	283.8	Gulf of Alaska
20	2.26	289.0	Gulf of Alaska: SE Alaska coastline
20	2.82	23.8	Central-southern California coastline
20	4.48	19.2	Central-southern California coastline

20	5.32	260.9	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
20	6.43	250.6	Line Islands and westernmost Galapagos Fracture Zone
20	7.26	256.9	Northern Fiji basin – southern Central Pacific Basin
20	8.65	329.7	Central California coastline
20	9.20	219.7	Marquesas Fracture Zone (east of Tuamotu Archipelago in French Polynesia)
20	9.20	302.7	Gulf of Alaska: SE Alaska coastline
20	11.43	252.3	South Fiji Basin (east side) – Tonga trench
20	12.26	215.1	near Easter Fracture Zone (east of Tuamotu Archipelago in French Polynesia)
20	13.93	271.8	North of Big Island, Hawaiian Islands
20	14.76	118.9	NW coast of Baja California
20	15.59	93.1	Southernmost California coastline
20	15.59	260.9	North of Big Island, Hawaiian Islands. Split with North Fiji Basin
20	17.54	106.8	Southernmost California – northernmost Baja California coastline
20	20.32	243.2	Pacific-Antarctic Ridge
20	21.15	255.2	North Fiji Basin – Fiji Islands and Samoa Islands
20	22.54	290.7	Gulf of Alaska: SE Alaska – northernmost British Columbia coastline
20	24.76	285.0	Gulf of Alaska: South-central Alaska coastline
20	25.59	149.2	West coast of central Chile
20	26.70	262.6	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
20	28.93	140.1	West coast of northern Chile
20	30.04	247.2	Southeast coast of South Island, New Zealand – Chatham Rise. Split with Antarctic coastline in Ross Sea.
20	29.76	30.6	Central-southern California coastline
20	30.59	129.7	West coast of northern Peru
20	33.37	146.9	West coast of northern Chile
20	34.20	139.5	West coast of northern Chile
20	36.15	131.5	West coast of northern Peru
20	36.98	229.4	Antarctic coastline in eastern Ross Sea
20	38.65	226.0	Antarctic coastline in eastern Ross Sea
20	39.48	91.4	Southern California coastline
20	39.76	248.9	Southeast coast of South Island, New Zealand – Chatham Rise. Split with Antarctic coastline in Ross Sea and Fiji Islands – Tonga Trench.
18	0.04	284.4	Mendocino Fracture Zone
18	1.15	285.6	Gulf of Alaska
18	2.26	290.7	Gulf of Alaska: SE Alaska coastline
18	2.82	74.2	Southern California coastline

18	3.09	269.5	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
18	4.76	279.3	Southern end of Mid-Pacific Mountains west of Marshall Islands. Split with SW Alaska and NE Hawaiian Islands
18	5.32	279.8	Southern end of Mid-Pacific Mountains west of Marshall Islands. Split with SW Alaska and NE Hawaiian Islands
18	6.70	317.1	Northern California coastline
18	8.93	280.4	westernmost Alaska. Split with Solomon Islands
18	9.48	215.1	Eastern end of Marquesas Fracture Zone. NE of Tuamotu Archipelago in French Polynesia
18	10.59	236.3	Tahiti. Middle of Tuamotu Archipelago in French Polynesia.
18	11.70	254.6	Fiji Islands and Samoa Islands
18	12.82	271.8	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
18	13.93	263.2	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
18	14.48	267.8	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
18	15.04	121.2	Central Baja California
18	16.15	94.2	Southern California coastline
18	16.70	245.5	South Pacific Ocean – south of Louisville Ridge and north of Udintsev Fracture Zone
18	17.26	96.5	Southern California coastline
18	18.09	268.9	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
18	19.48	228.3	South Pacific Ocean – SW of Udintsev Fracture Zone, north of Pacific-Antarctic Ridge
18	20.59	236.9	South Pacific – within Pacific-Antarctic Ridge
18	21.43	270.7	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
18	21.98	264.4	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
18	22.54	279.8	Northeastern Papua New Guinea. Split with SW Alaska.
18	23.37	290.7	Gulf of Alaska: SE Alaska coastline
18	24.48	278.7	Northeastern Papua New Guinea. Split with SW Alaska and Hawaiian Islands
18	25.04	275.8	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone. One outer ray from Solomon Islands.
18	25.59	146.9	West coast of northern Chile
18	26.98	149.2	West coast of central Chile
18	27.82	204.2	Antarctic coastline: edge of Southeast Pacific Basin in SW Bellingshausen Sea near Thurston Island
18	28.93	148.1	West coast of northern Chile
18	30.32	219.7	Antarctic coastline: edge of Amundsen Sea.
18	31.15	148.6	West coast of northern Chile
18	31.98	222.5	Antarctic coastline: east side of Ross Sea

18	33.09	219.7	Antarctic coastline: edge of Amundsen Sea
18	34.48	141.8	West coast of northern Chile
18	36.70	238.0	Antarctic coastline: edge of Ross Sea
18	37.82	236.9	Antarctic coastline: edge of Ross Sea
18	38.93	239.7	Antarctic coastline: edge of Ross Sea
18	39.48	258.1	Fiji Islands and Samoa Islands. Split with SE Australia and north of Big Island, Hawaiian Islands
18	40.59	171.6	Antarctic coastline: edge of Southeast Pacific Basin in SW Bellingshausen Sea.
16	1.15	279.8	Western end of Murray Fracture Zone. NE of Hawaiian Islands. Split with SW Alaska coastline.
16	2.26	280.4	SW Alaska coastline. Split with Hawaiian Islands.
16	4.20	273.0	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
16	5.32	244.3	Clipperton Fracture Zone, in Central Pacific Basin
16	6.15	87.9	Southern California coastline
16	7.26	266.7	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
16	8.09	281.0	SW Alaska coastline. Split with NE Papua New Guinea – Solomon Islands and SE Hawaiian Islands.
16	10.87	222.5	Tuamotu Archipelago in French Polynesia
16	11.70	255.2	Fiji Islands and Samoa Islands
16	12.82	265.5	North of Big Island, Hawaiian Islands
16	13.65	270.7	North of Big Island, Hawaiian Islands
16	15.59	110.8	Southernmost California – northernmost Baja California coastline
16	16.15	234.6	Louisville Ridge in South Pacific Ocean
16	16.70	26.1	Southern California coastline
16	17.82	284.4	Gulf of Alaska: South-central Alaska coastline
16	19.76	286.1	Gulf of Alaska: South-central Alaska coastline
16	20.59	258.6	Fiji and Samoa Islands. Split with north of Big Island, Hawaiian Islands.
16	21.15	270.7	North of Big Island, Hawaiian Islands
16	21.98	280.4	SW Alaska coastline. Split with Papua New Guinea and north of Big Island, Hawaiian Islands
16	23.65	157.8	Southeast Pacific Basin, west of Chile coastline. Unnamed fracture zone in Chile Rise.
16	25.04	155.0	Easternmost Chile Rise
16	26.43	155.0	West coast of southern Chile
16	28.37	228.3	Antarctic coastline: eastern edge of Ross Sea
16	30.04	152.7	West coast of central Chile
16	31.70	212.2	Antarctic coastline: eastern edge of Amundsen Sea
16	33.93	222.5	Antarctic coastline between Ross Sea and Amundsen Sea

16	34.76	219.1	Antarctic coastline: western edge of Amundsen Sea
16	36.70	232.3	Antarctic coastline: edge of Ross Sea
16	36.98	128.0	West coast of northern Peru
16	37.82	266.7	North of Big Island, Hawaiian Islands
16	40.32	274.7	NW of Big Island, Hawaiian Islands
14	1.70	282.1	Gulf of Alaska: SW Alaska coastline. Split with NW of Big Island, Hawaiian Islands
14	4.20	295.9	Gulf of Alaska: SE Alaska coastline
14	4.76	18.6	Southern California coastline
14	5.04	146.4	Easternmost end of Clarion Fracture Zone, west of East Pacific Rise
14	5.59	240.9	Near Clipperton Fracture Zone, east of Line Islands
14	7.82	295.3	Gulf of Alaska: SE Alaska coastline
14	8.93	110.3	Southern California coastline
14	9.20	212.2	Easternmost Marquesas Fracture Zone at eastern edge of French Polynesia
14	10.32	220.3	South of Marquesas Fracture Zone in eastern French Polynesia
14	10.87	222.0	Tuamotu Archipelago, French Polynesia
14	11.43	259.8	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone. Split with Fiji/Samoa Islands.
14	12.26	210.5	Eastern Tuamotu Archipelago, north of Easter Fracture Zone in French Polynesia
14	13.09	219.7	Tuamotu Archipelago – westernmost Easter Fracture Zone in French Polynesia
14	13.65	231.7	South Pacific Ocean, South of Austral Fracture Zone
14	13.93	282.1	Gulf of Alaska – Central Alaska coastline. Split with mid-Hawaiian Islands
14	14.76	281.5	Gulf of Alaska. SW Alaska coastline. Split with mid-Hawaiian Islands
14	15.59	226.0	South Pacific Ocean, NE of Louisville Ridge
14	16.15	251.8	Samoa Islands – Tonga trench. Split with east end of Chatham Rise.
14	16.15	305.6	Oregon-Washington coastline in Pacific Northwest
14	16.98	297.6	SE Alaska – northern British Columbia coastline
14	17.54	292.4	SE Alaska – northern British Columbia coastline
14	18.09	86.2	Southern California coastline
14	18.37	285.0	Gulf of Alaska – Central Alaska coastline
14	19.76	149.2	Easternmost Sala y Gomez Ridge – western Nazca Ridge
14	19.76	232.9	South Pacific Ocean – north of Pacific-Antarctic Ridge system
14	21.43	164.7	Southeast Pacific Basin – Easternmost Challenger Fracture zone – Westernmost Valdivia Fracture Zone
14	23.93	164.7	Eastern end of Menard Fracture Zone in Bellingshausen Sea
14	24.20	113.7	Southernmost California – northernmost Baja California coastline

14	24.76	120.0	Northern Baja California
14	25.32	122.3	Central Baja California
14	26.43	255.2	Fiji Islands and Samoa Islands
14	26.70	8.9	Southern California coastline
14	28.09	220.3	Antarctic coastline: western edge of Amundsen Sea
14	29.20	155.5	West coast of southern Chile. Split with Antarctic coastline: eastern end of Bellingshausen Sea
14	30.59	194.5	Antarctic coastline: western edge of Bellingshausen Sea
14	32.82	197.9	Antarctic coastline: western edge of Bellingshausen Sea
14	33.37	149.8	West coast of central Chile
14	34.48	226.6	Antarctic coastline: edge of Ross Sea
14	35.59	199.6	Antarctic coastline: western edge of Bellingshausen Sea
14	36.43	192.8	Antarctic coastline: western edge of Bellingshausen Sea
14	36.70	243.7	Antarctic coastline: edge of Ross Sea. Split with SE South Island, New Zealand – Chatham Rise
14	37.54	244.3	Antarctic coastline: edge of Ross Sea. Split with SE South Island, New Zealand – Chatham Rise
14	38.65	258.6	Fiji and Samoa Islands. Split with Big Island, Hawaiian Islands
14	39.48	198.5	Antarctic coastline: western edge of Bellingshausen Sea
14	40.59	271.2	North of Big Island, Hawaiian Islands – westernmost end of Molokai Fracture Zone
12	1.43	283.8	Gulf of Alaska: Central Alaska coastline
12	2.26	282.1	Gulf of Alaska: Central – western Alaska coastline. Split with North of Big Island, Hawaiian Islands
12	3.37	69.0	Southern California coastline
12	4.76	246.0	Clipperton Fracture Zone, east of Line Islands
12	5.59	255.8	Western end of Clipperton Fracture Zone, west of Line Islands
12	6.43	67.3	Southern California coastline
12	6.98	78.8	Southern California coastline
12	7.82	278.7	NW of Big Island, Hawaiian Islands. Split with NW Alaska coastline and Solomon Islands
12	8.37	120.6	Central Baja California
12	9.48	97.1	Southern California – northern Baja California coastline
12	9.76	213.4	Eastern end of Marquesas Fracture Zone in NE French Polynesia
12	11.43	254.6	Fiji Islands and Samoa Islands – Tonga Trench
12	12.26	73.6	Southern California coastline
12	12.26	258.6	Fiji Islands. Split with north of Big Island, Hawaiian Islands
12	13.37	89.6	Southern California coastline
12	15.59	222.0	South Pacific Ocean – east of Austral Fracture Zone and west of Challenger Fracture Zone
12	16.15	311.9	Northern California coastline
12	17.26	89.6	Southern California coastline



12	17.26	290.1	Gulf of Alaska: SE Alaska coastline
12	17.54	227.1	Western end of Udintsev Fracture Zone, NW of Pacific-Antarctic Ridge.
12	19.20	186.5	East Pacific Rise system near Challenger Fracture Zone
12	19.48	241.4	Within Pacific-Antarctic Ridge system in South Pacific Ocean
12	20.59	189.9	Within East Pacific Rise system in Southeast Pacific Basin
12	21.70	258.1	Fiji Islands. Split with north of Big Island Hawaiian Islands, and NE Australia.
12	22.82	15.2	Offshore southern California
12	22.82	157.8	Within Valdivia Fracture Zone region, in Southeast Pacific Basin
12	25.32	107.4	Southern California – northern Baja California
12	26.98	163.0	Antarctic coastline: western edge of Bellingshausen Sea
12	28.65	226.0	Antarctic coastline: edge of Ross Sea
12	29.76	177.3	Antarctic coastline: western edge of Bellingshausen Sea
12	31.43	18.0	Southern California coastline
12	31.43	156.7	Antarctic coastline: edge of Bellingshausen Sea. Split with west coast of southern Chile.
12	33.37	27.8	Southern California coastline
12	33.37	152.7	West coast of central Chile
12	33.65	192.2	Antarctic coastline: western edge of Bellingshausen Sea
12	34.76	19.2	Southern California coastline
12	35.04	190.5	Antarctic coastline: western edge of Bellingshausen Sea
12	35.87	160.1	Antarctic coastline: western edge of Bellingshausen Sea
12	37.82	161.8	Antarctic coastline: western edge of Bellingshausen Sea
12	38.65	193.9	Antarctic coastline: western edge of Bellingshausen Sea
12	39.20	188.7	Antarctic coastline: western edge of Bellingshausen Sea
12	39.48	168.7	Antarctic coastline: western edge of Bellingshausen Sea
12	40.59	100.0	Southern California coastline
10	2.82	281.0	Gulf of Alaska: Central-west Alaska coastline. Split with north of Big Island, Hawaiian Islands
10	3.09	252.3	Clarion Fracture Zone, SE of Hawaiian Islands
10	4.76	249.5	Clipperton Fracture Zone, east of Line Islands
10	5.59	272.4	North of Big Island, Hawaiian Islands
10	6.43	51.8	Southern California coastline
10	6.98	290.1	Gulf of Alaska: SE Alaska coastline
10	8.09	243.7	Boudeuse Ridge, NW of Tuamotu Archipelago in French Polynesia
10	9.20	243.7	Society Archipelago, East of Tuamotu Archipelago in French Polynesia
10	10.32	220.3	South of Marquesas Fracture Zone in French Polynesia
10	11.70	132.6	North of Galapagos Rift in Guatemala Basin
10	11.70	227.1	Austral Islands/seamounts in French Polynesia.

10	12.54	51.8	Southern California coastline
10	12.82	112.0	Northern Baja California coastline
10	13.65	277.5	NW of Big Island, Hawaiian Islands. Split with Aleutian Islands and Bering Basin
10	14.76	225.4	Southwest Pacific Basin in South Pacific Ocean
10	15.32	311.9	Northern California coastline
10	16.15	58.7	Southern California coastline
10	16.43	120.0	Northern Baja California
10	17.26	118.3	Northern Baja California
10	18.09	228.3	South of Udintsev Fracture Zone in South Pacific Ocean
10	20.04	239.7	Within Pacific-Antarctic Ridge system
10	20.87	150.4	SW and NE ends of Nazca Ridge in Chile Basin
10	21.70	259.2	NE Australia coastline. Split with Fiji Islands and north of Big Island, Hawaiian Islands
10	23.37	153.8	Juan Fernandez Ridge, in Chile Basin
10	25.32	242.0	Near Antarctic coastline, near northern edge of Ross Sea
10	27.82	160.1	Near Antarctic coastline, near edge of Bellingshausen Sea
10	28.65	133.2	West coast of northern Peru
10	30.04	41.5	Southern California coastline
10	30.04	140.6	West coast of northern Chile
10	30.32	281.0	Gulf of Alaska: Central-western Alaska coastline. Split with north of Big Island, Hawaiian Islands
10	31.70	193.9	Antarctic coastline: western edge of Bellingshausen Sea
10	33.37	297.0	Gulf of Alaska: SE Alaska coastline
10	35.59	167.0	Antarctic coastline: western edge of Bellingshausen Sea
10	36.43	188.7	Antarctic coastline: western edge of Bellingshausen Sea
10	37.54	218.0	Antarctic coastline: western edge of Amundsen Sea
10	39.20	299.9	Gulf of Alaska: SE Alaska coastline
10	40.04	235.1	Antarctic coastline: eastern edge of Ross Sea