

Supporting Information for "Age-Independent  
Oceanic Plate Thickness and Asthenosphere Melting  
from SS Precursor Imaging"

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This Supplementary Information includes 15 Figures (Figure S1-S15) and 1 Table (Table S1).

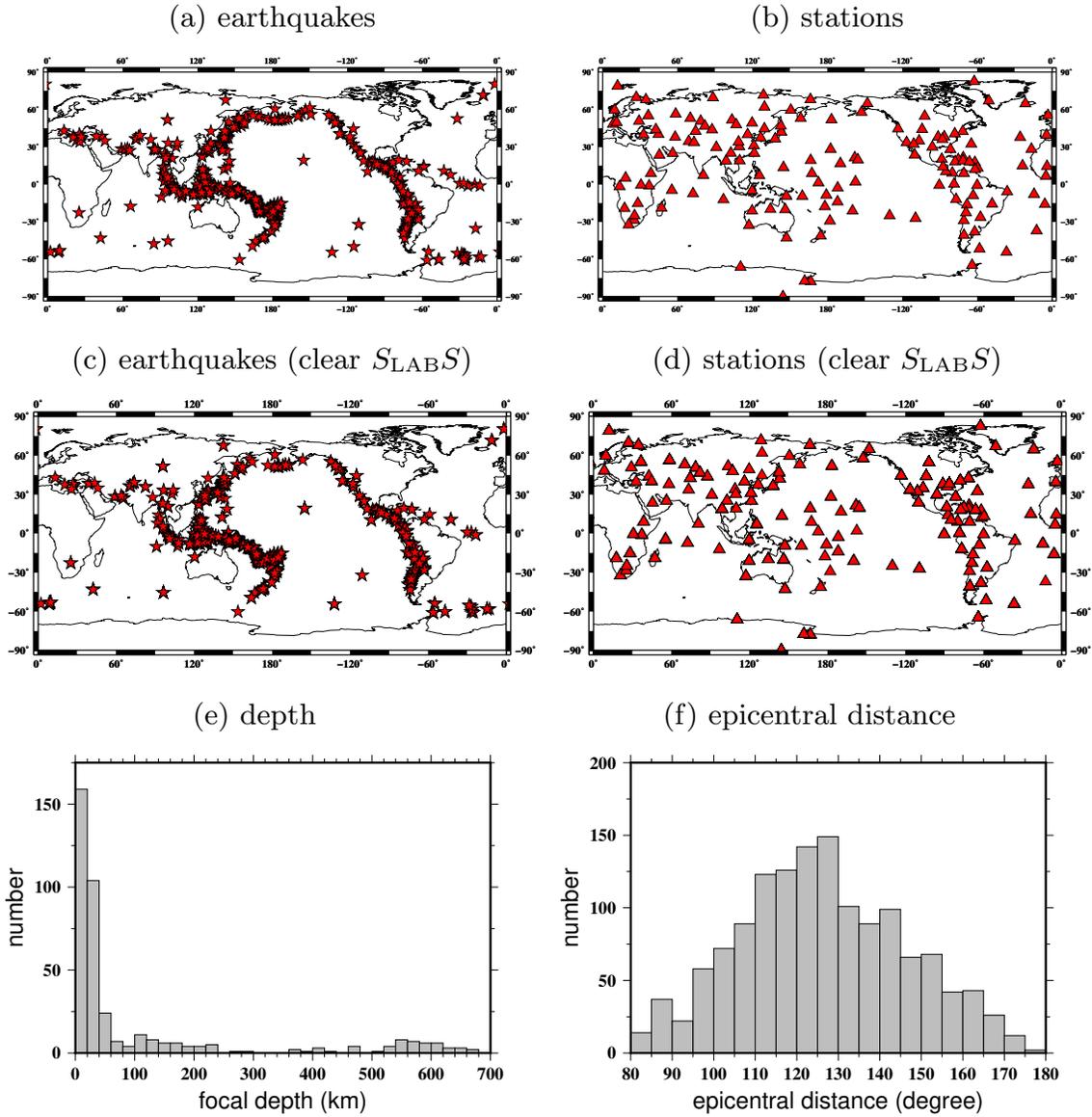


Figure S1: (a) and (b) are distributions of the 543 earthquakes and 151 GSN stations used in this study. (c) and (d) are distributions of the 395 earthquakes and 144 GSN stations in the subset in which large  $S_{LABS}$  waves were observed. (e) and (f) are histograms of the focal depths and epicentral distances of the same subset.

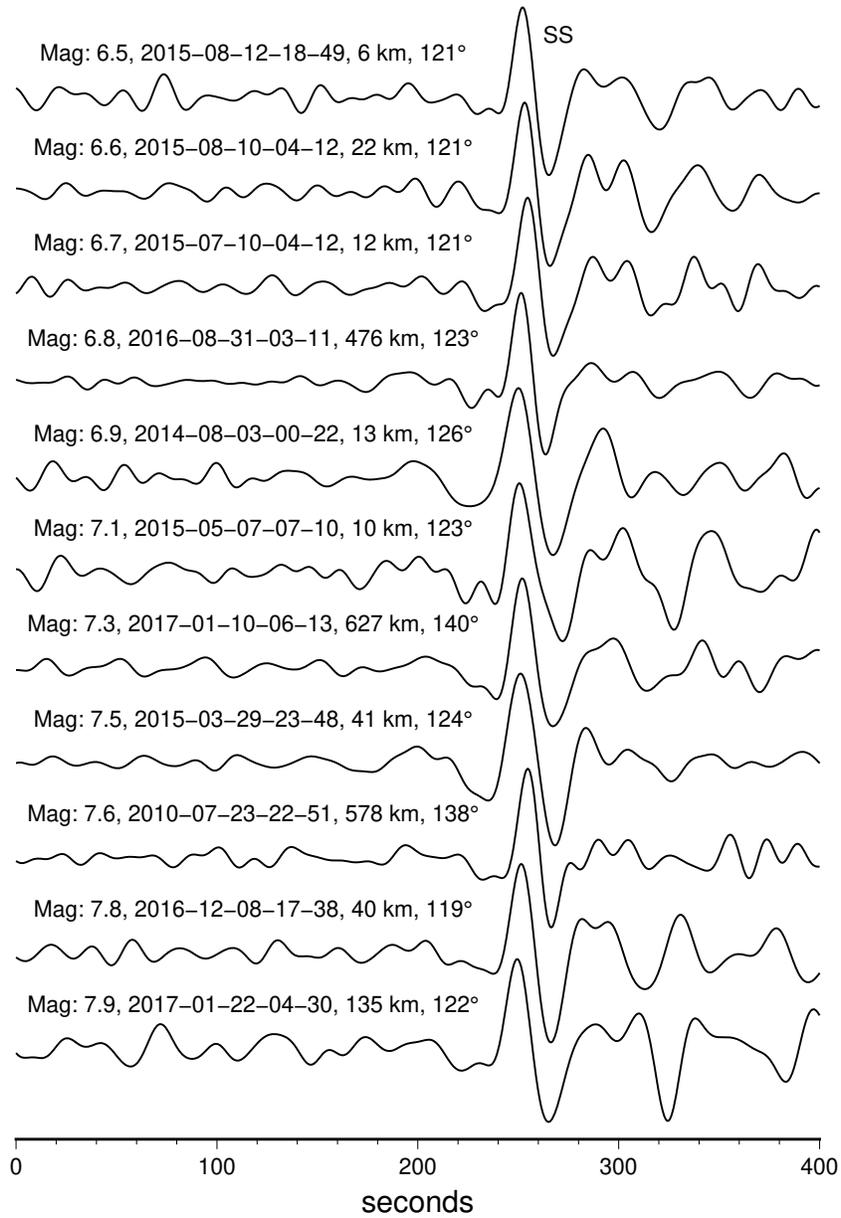


Figure S2: Example SS seismograms with simple source time functions recorded at a GSN station DWPF (<https://doi.org/10.7914/SN/IU>) for earthquakes with different magnitudes ranging from 6.5 to 7.9. The event magnitude, date/time, depth and epicentral distance are denoted. The SS waves have been aligned with polarities corrected for better illustration. The dataset used in this study includes 6,143 high-quality SS seismograms with bounce points in oceanic regions.

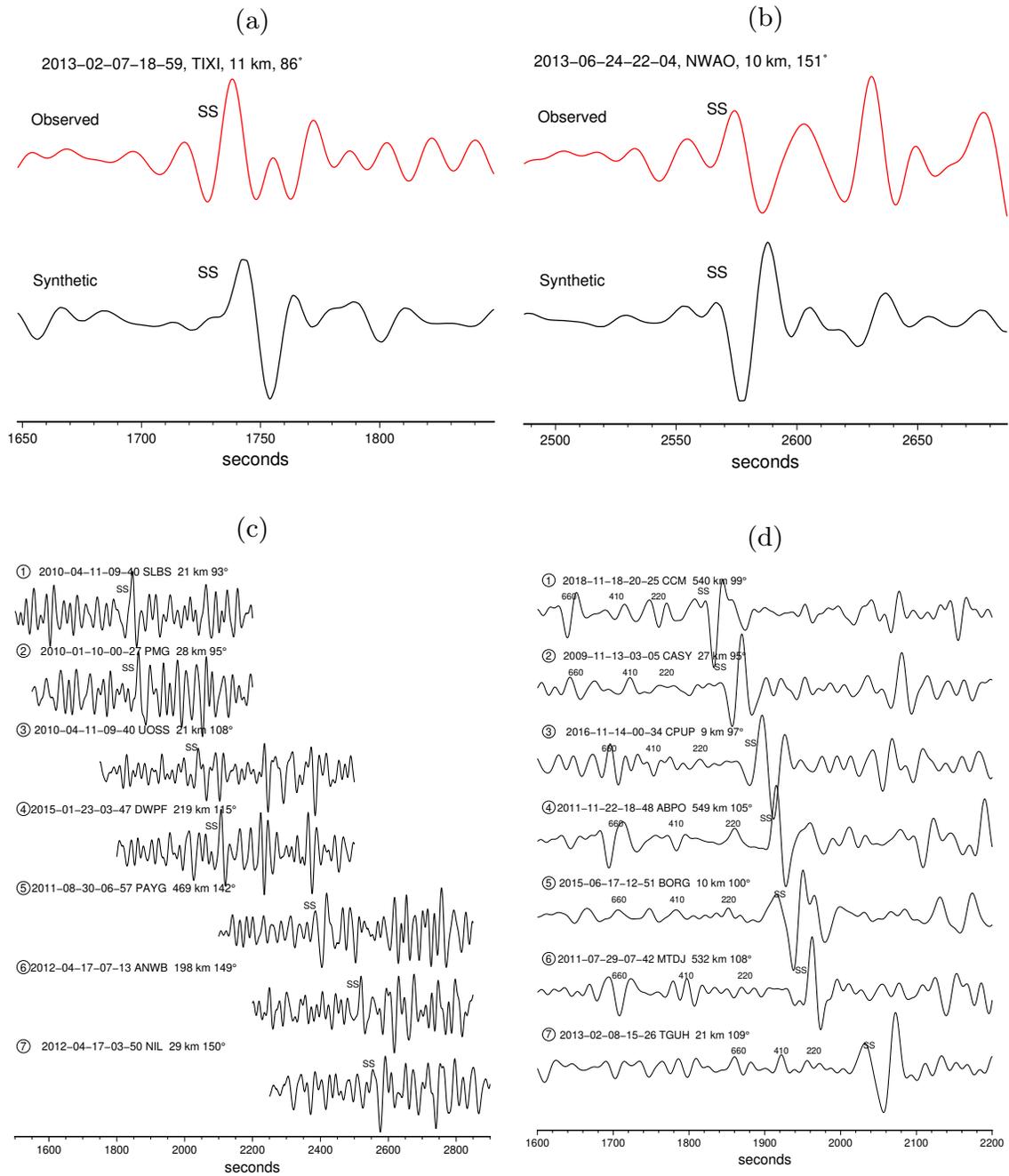


Figure S3: (a) and (b) are example seismograms with SS waves significantly different from the synthetics. *SS* precursors on those seismograms are not used in this study. (c) example seismograms with noisy *SS* waves and precursors, *SS* precursors on those seismograms are not used in this study. (d) example seismograms with clear *SS* precursors but weak (or absent)  $S_{LAB}S$  waves, their bounce points are plotted in Fig. 2.

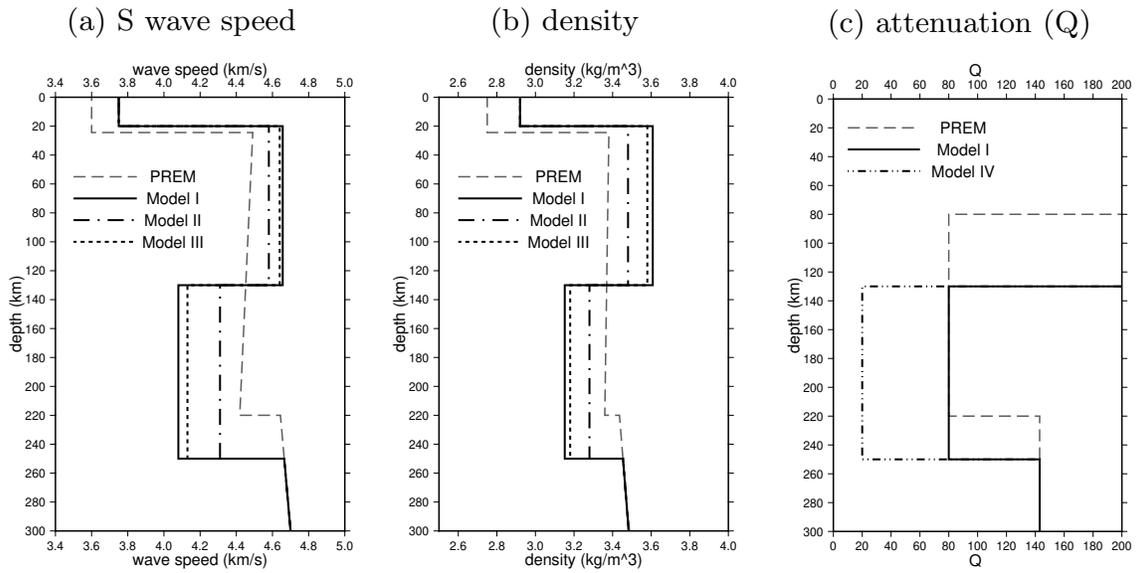


Figure S4: 1-D reference earth models used in this study: PREM, Models I, II, III and IV. (a) S-wave speed profiles. The velocity contrast across the LAB is 12.5% in Model I, 6% in Model II and 11% in Model III. (b) density profiles of the models. The density is scaled with velocity in the uppermost 250 km in Models I-IV, with a scaling parameter of  $\sim 0.77$ , similar to that in PREM, which varies between 0.75 and 0.78. (c) Seismic Q profiles of the models.  $Q = 80$  in Model I at depths between 130 and 250 km and  $Q = 20$  in Model IV at those depths. PREM Q values are plotted as the dashed line for reference.

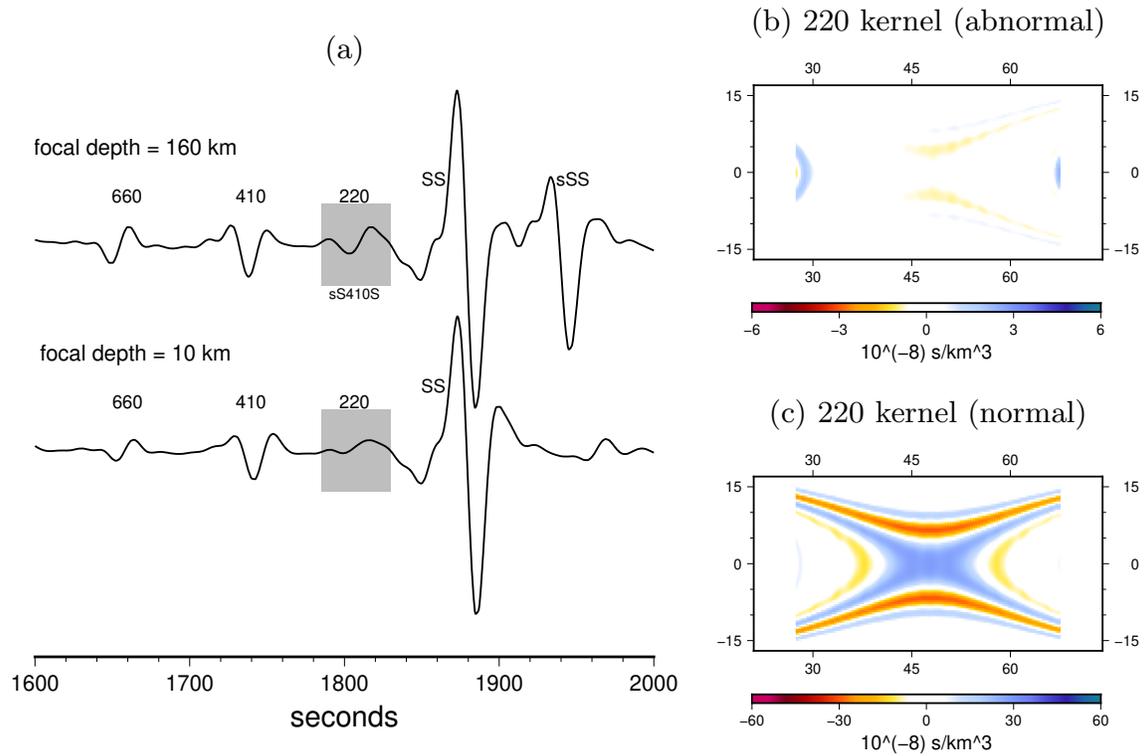


Figure S5: (a) example seismograms with (top) and without (bottom) an interfering depth phase. The measurement windows (shaded) are centered at the expected arrival of the  $S_{220}S$  waves. The epicentral distance is  $96^\circ$  and the depths of the earthquakes are denoted on each seismogram. The  $SS$  waves have been aligned and a strong depth phase  $sSS$  arrives after the main  $SS$  wave for the deep earthquake (depth=160 km). The precursor of the depth phase  $sS_{410}S$  arrives about the same time as the the  $SS$  precursor  $S_{220}S$ . The calculated sensitivity kernel is abnormal when there is  $sS_{410}S$  interference – the sensitivity is about 10 times smaller than values expected for an  $S_{220}S$  wave. This is because the  $sS_{410}S$  wave is not reflected at the 220-km discontinuity and therefore it has no sensitivity to depth perturbations of the 220-km discontinuity at the bounce point.

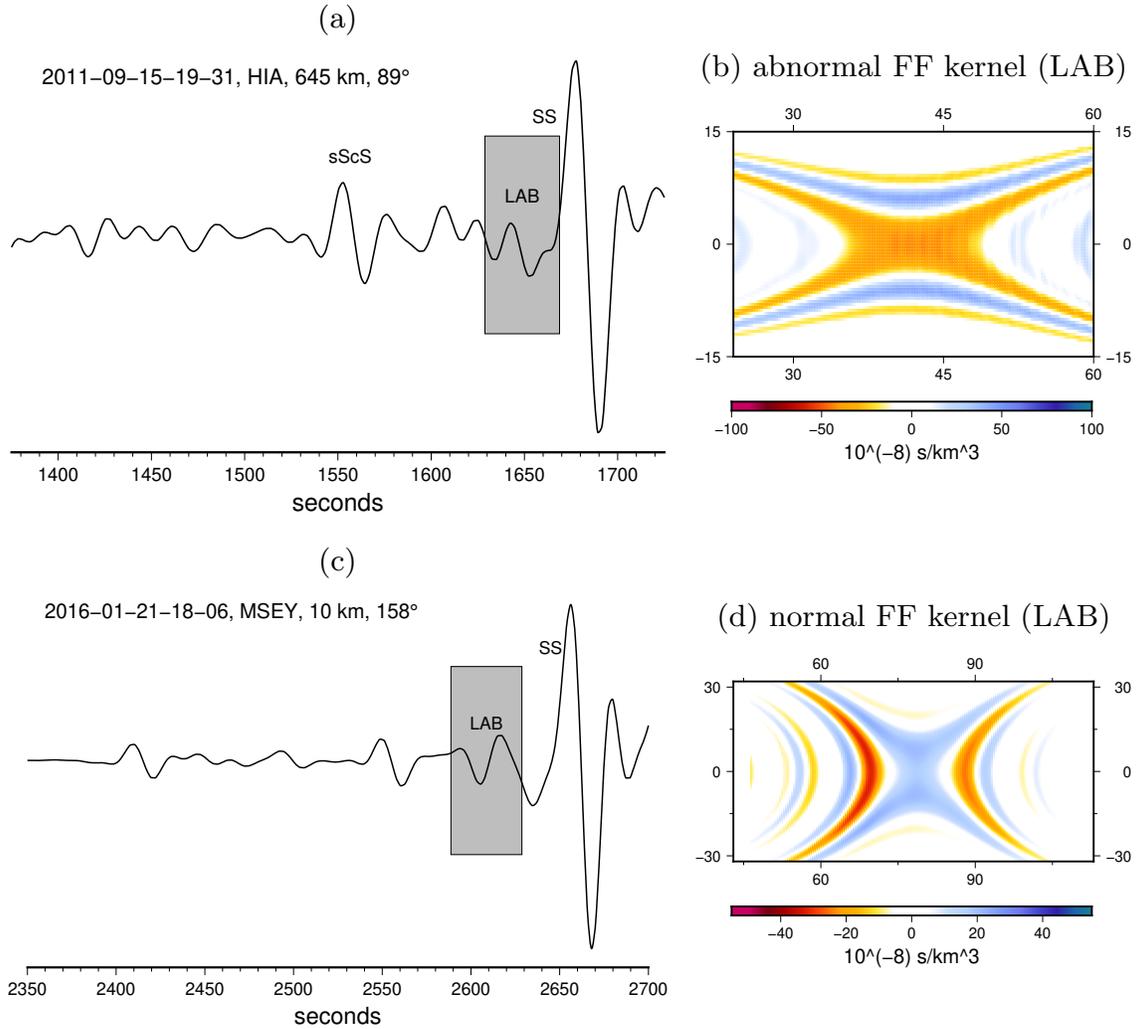


Figure S6: Example traveltime sensitivity kernels with (top) and without (bottom) phase interference. (a) and (c) are synthetic seismograms with measurement windows (shaded) centered at the expected arrival of the  $S_{LAB}S$  waves, and (b) and (d) are the corresponding traveltime sensitivity kernels. (c) and (d) are the same as in Fig. 4 (a) and (b). The interferences between the  $S_{LAB}S$  and  $sScS$  coda waves (shallow multiples) in the measurement window in (a) result in a polarity change in the traveltime sensitivity in (b). The sensitivity kernels are always associated with measurement time windows not any particular seismic phases, and the kernels are used to identify possible phase interferences in measurement windows.

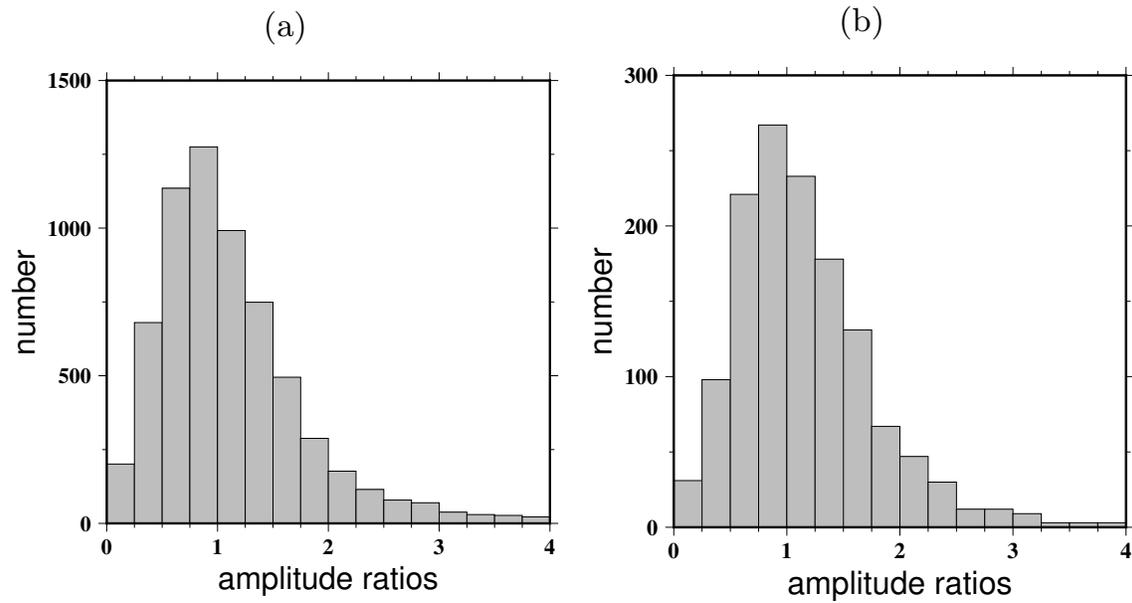


Figure S7: (a) histogram of amplitude ratios between the observed and the synthetic  $SS$  waves for the entire dataset (6143 seismograms). (b) the same as (a) but for the subset (1380 seismograms) in which anomalously large  $S_{LAB}S$  were observed. The distribution of the  $SS$  amplitude measurements is very similar in (a) and (b), indicating that the observed large amplitudes of the  $S_{LAB}S$  waves in the subset are not a result of focusing caused by mantle heterogeneities because the focusing effects (anomalously large amplitudes) are not observed on the  $SS$  waves which travel through the same regions in the mantle sampled by the  $S_{LAB}S$  waves.

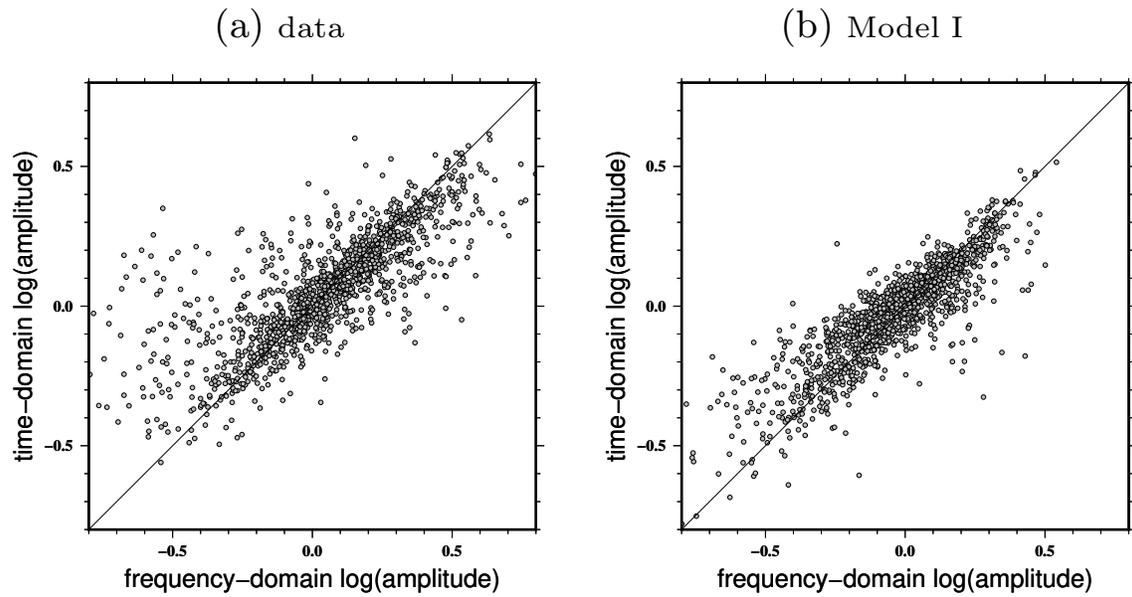


Figure S8: Scatter plots of the LAB amplitude measurements made in the frequency domain versus those obtained in the time domain using envelope functions of the observed seismograms. (b) is the same as (a) but for measurements made on synthetic seismograms calculated for Model I. It is worth noting that the frequency-domain measurements are made at a period of 25 seconds while the envelope functions include much broader frequency content. In this paper, we focus on measurements at a period of 25 seconds, and the envelope function results are plotted for reference only. The  $45^\circ$  line with a slope of 1.0 is also plotted for reference only, it is not expected to be the best fitting line for the scatter plots.

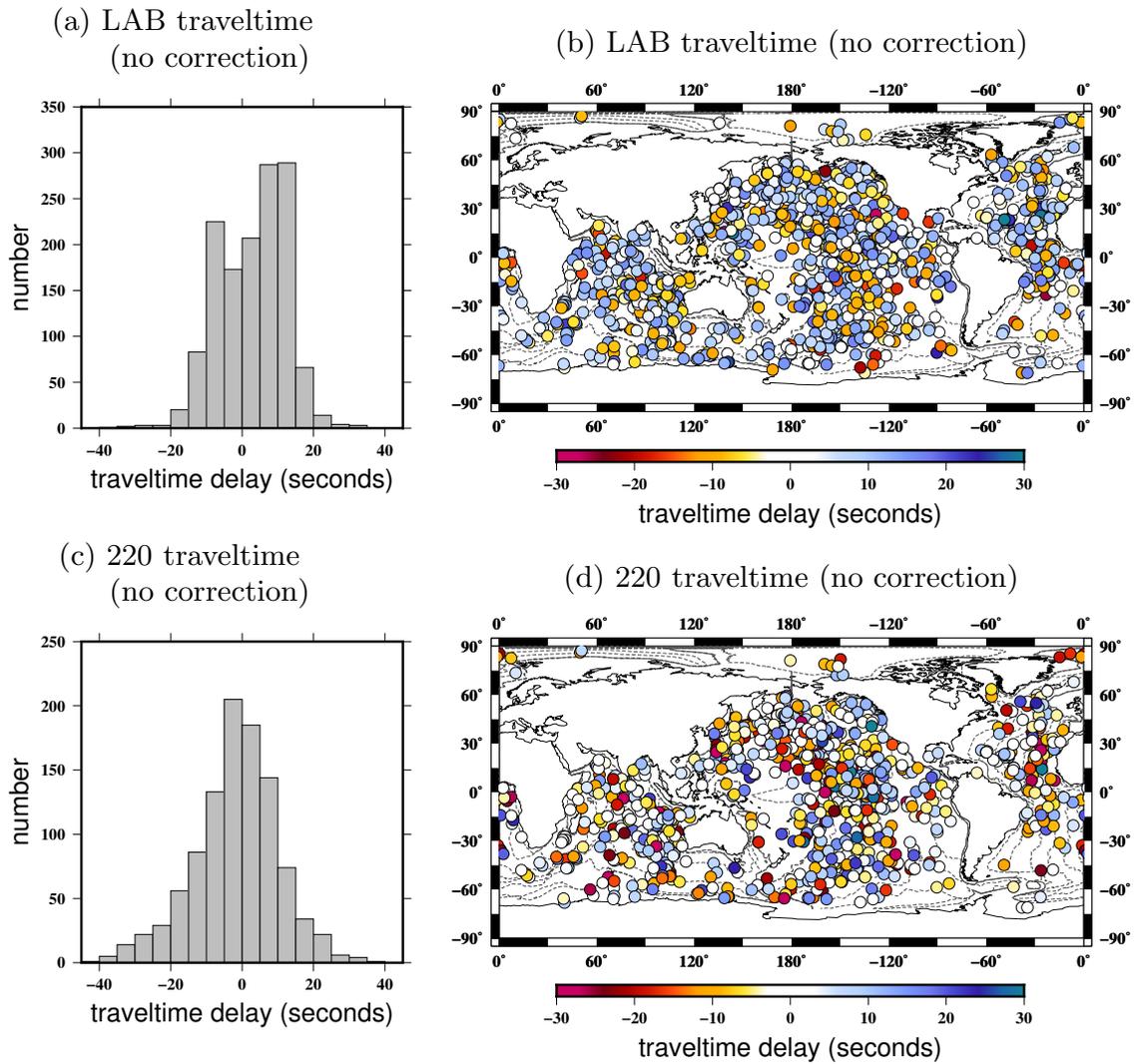


Figure S9: The same as Fig. 7 but for traveltime measurements made without 3-D crustal and mantle corrections.

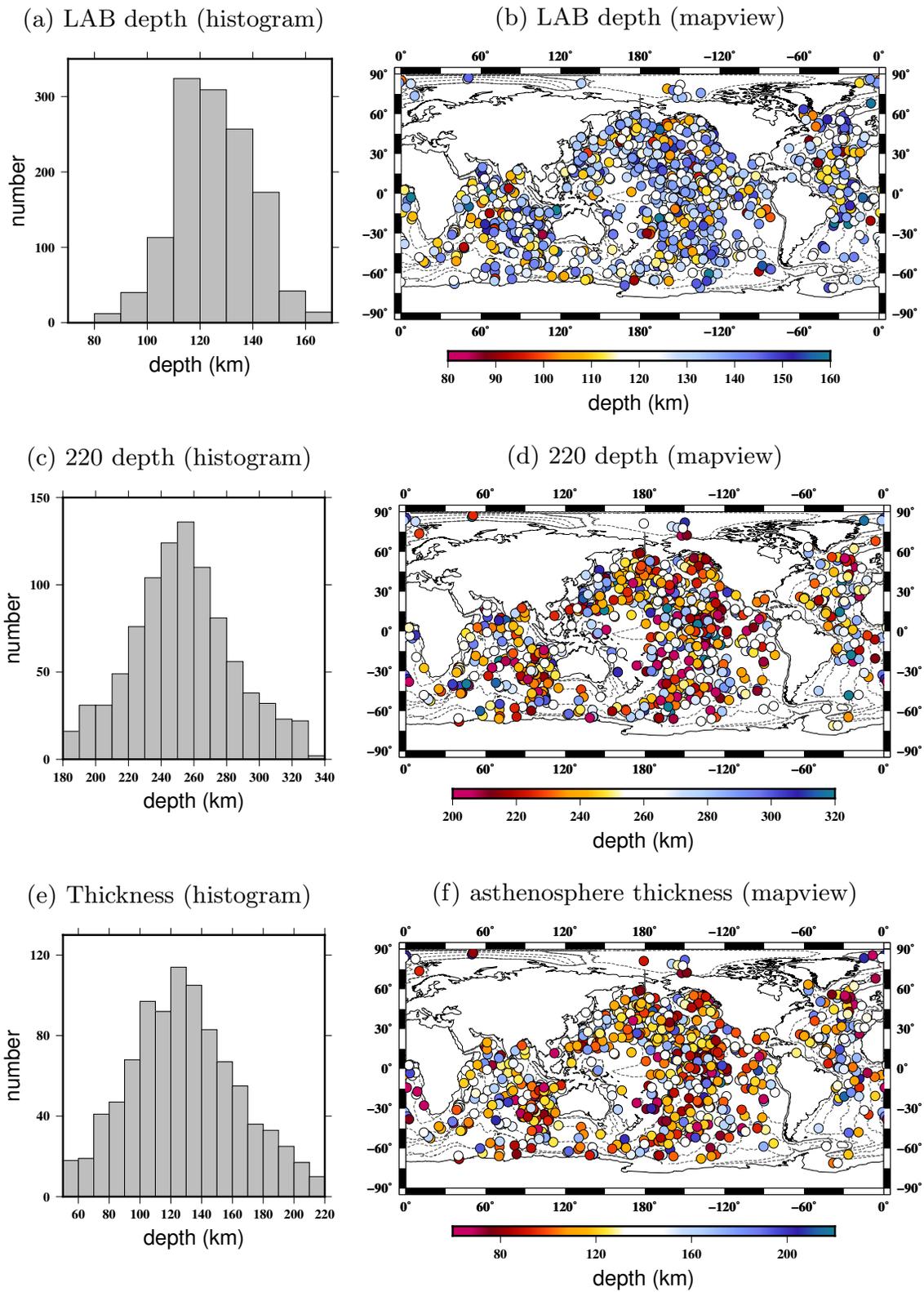


Figure S10: The same as Fig. 8 but for depths of the LAB and the 220-km discontinuity obtained using travelt ime measurements without 3-D crust and mantle corrections.

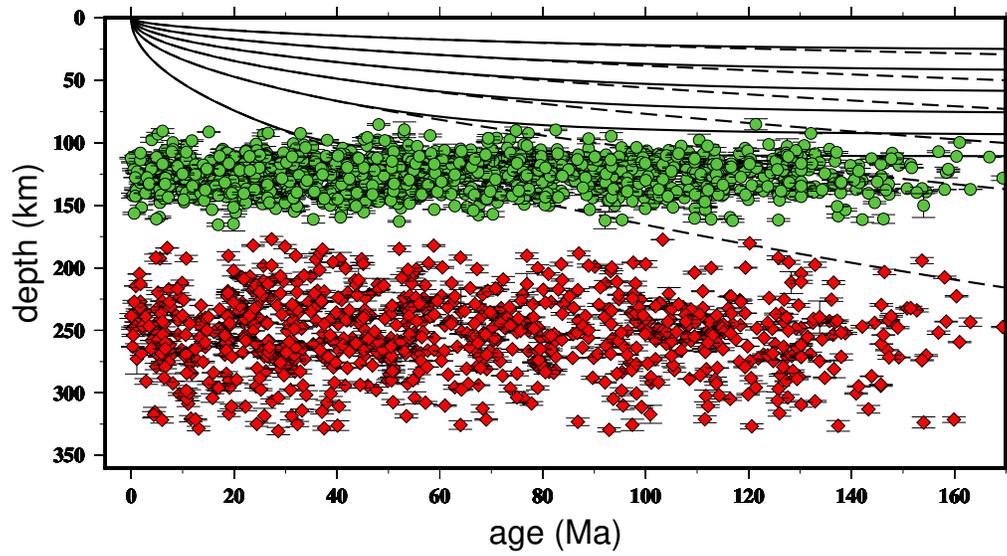


Figure S11: The same as Fig. 9 but for depths of the LAB and the 220-km discontinuity obtained using travelt ime measurements without 3-D crust and mantle corrections.

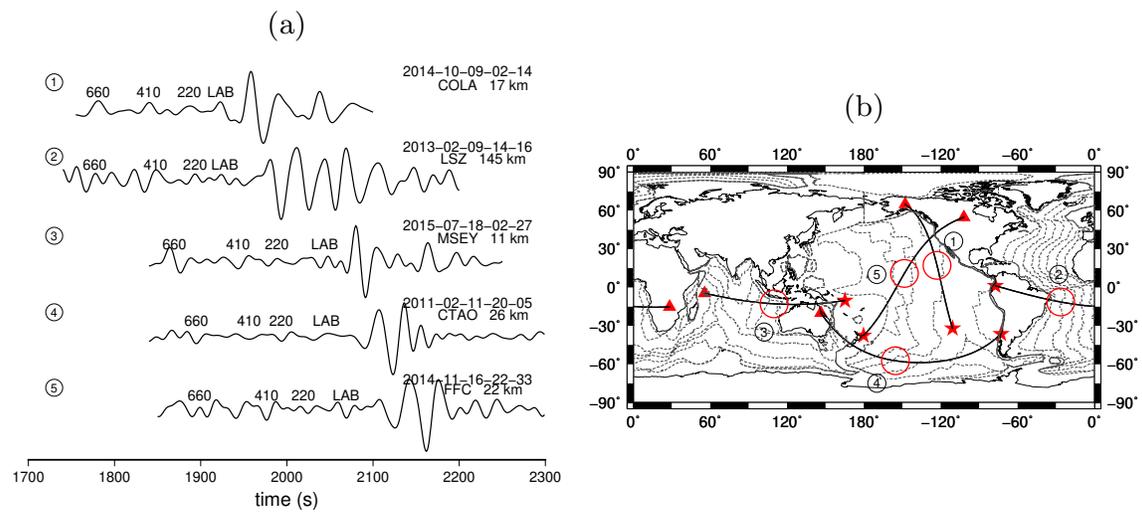


Figure S12: (a), example radial-component seismograms with large-amplitude SS precursors. The corresponding geographic ray paths are plotted in (b).

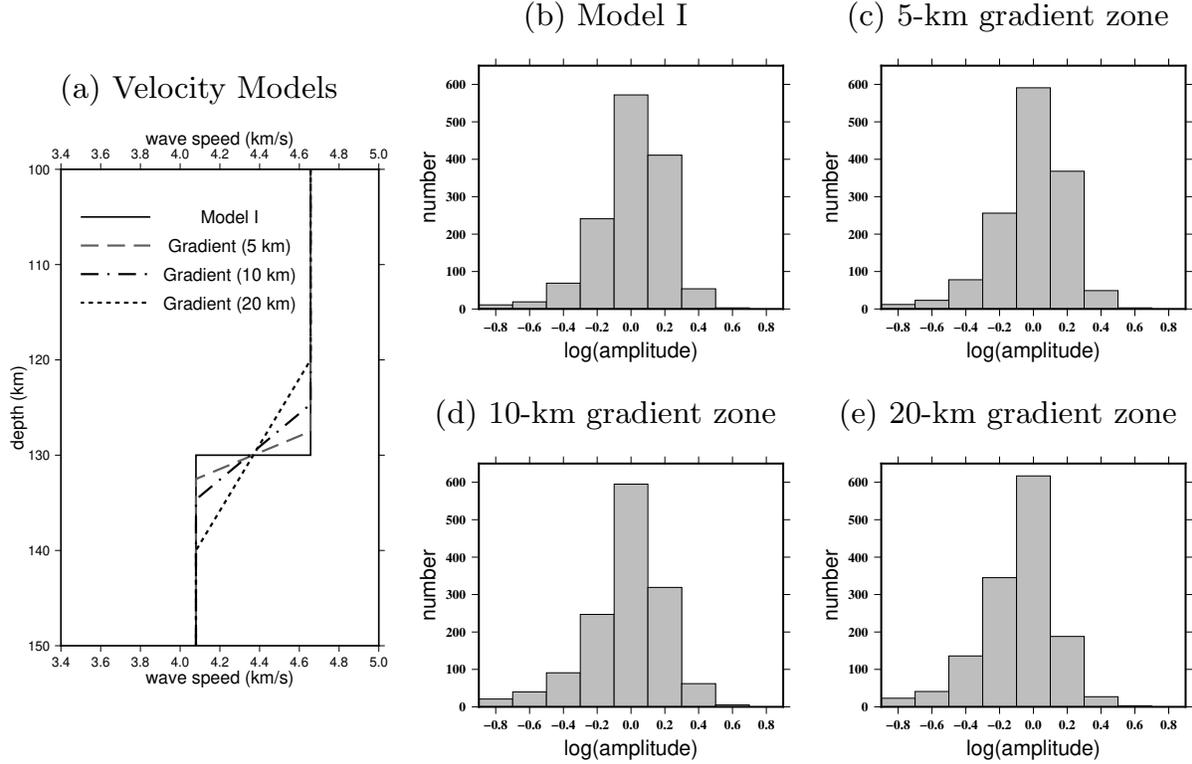


Figure S13: (a) velocity models with a 12.5% of velocity change across the LAB at a depth of 130 km over a first-order discontinuity (Model I) as well as a gradient zone of 5 km, 10 km and 20 km. (b), (c), (d) and (e) are the corresponding histograms of the amplitude measurements  $\gamma = \text{minimum} [\log(A_{S_{\text{LAB}}S}/A_{S_{410}S}), \log(A_{S_{\text{LAB}}S}/A_{S_{660}S})]$  made on the synthetic seismograms calculated for the four reference models as in Fig. 6. The  $S_{\text{LAB}}S$  amplitudes become smaller when the velocity change occurs over a gradient zone. The average amplitude difference between a first-order discontinuity and a 5-km gradient zone for this dataset is about 2%, and it is about 6% if the velocity change occurs over a 10-km gradient zone. For a gradient zone over a depth range of 20 km, the mean  $S_{\text{LAB}}S$  amplitude is about 17% smaller than that for a first-order discontinuity, and the overall amplitude distribution also becomes significantly different. The calculations suggest that a 12.5% velocity change over a gradient zone of 5 km or less can explain the observed amplitude data in Fig. 6.

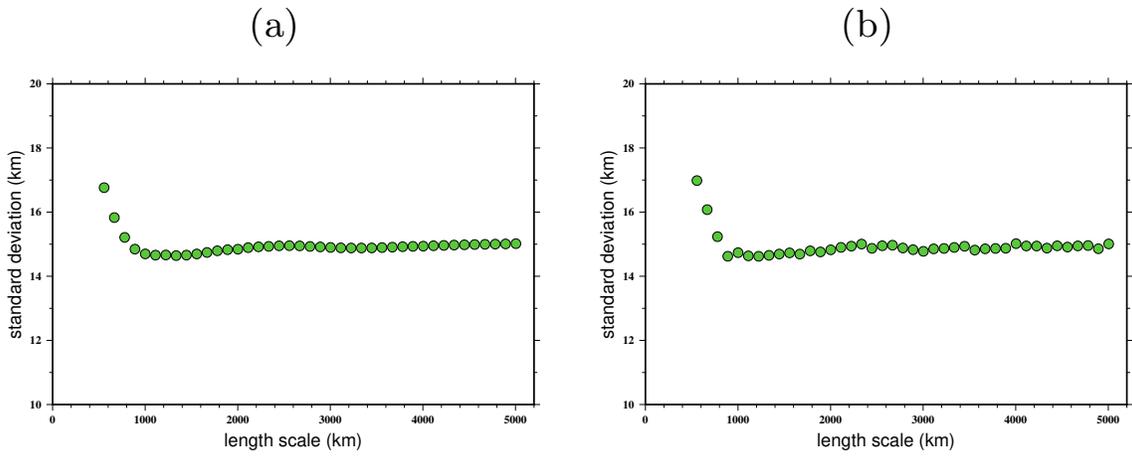


Figure S14: (a) standard deviation at different length scales calculated for the LAB depths obtained in this study. The LAB depths are plotted in histogram and mapview in Fig. 8 (a) and (b). The average standard deviations of the LAB depth are calculated for moving square cells over the global surface, plotted as a function of the length of the cell. The center of the cell moves at a one degree interval in latitude and longitude directions. Only cells that contain more than 30 data points are used in the calculation. (b) same as (a) but calculated for moving cells that are not overlapping.

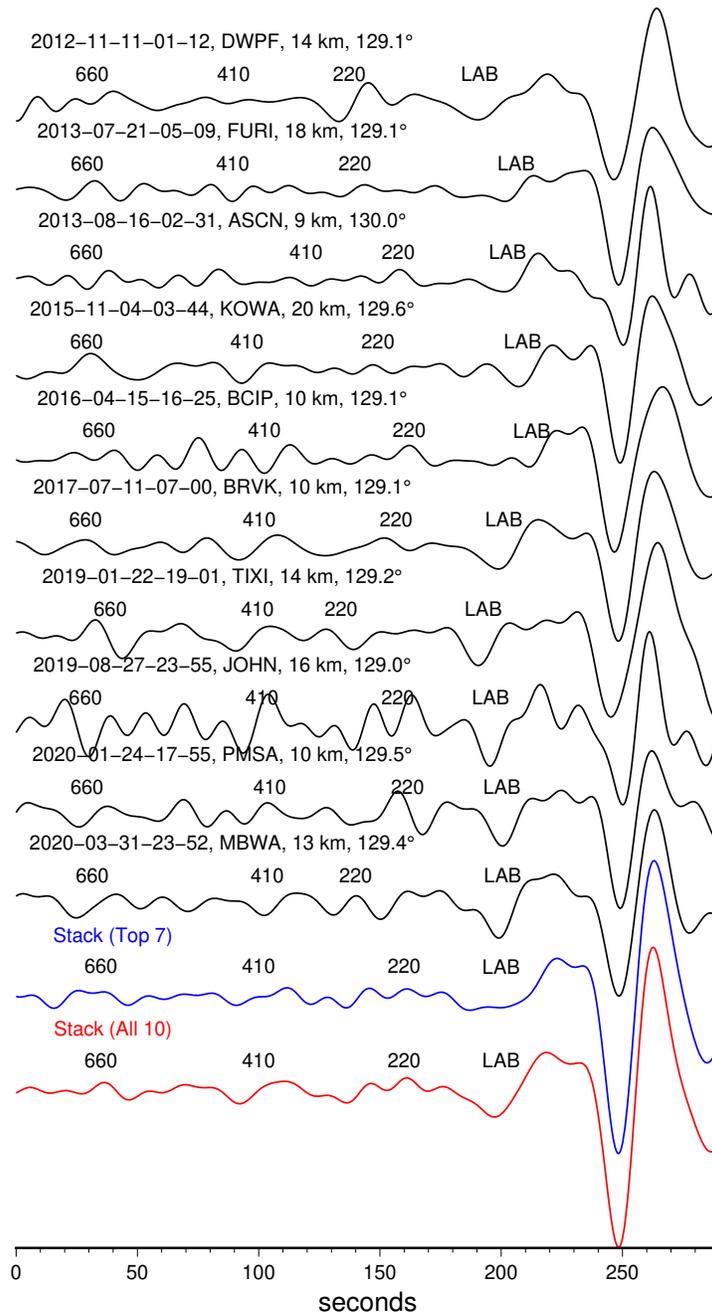


Figure S15: A simple example illustrating the concept the large amplitudes of SS precursors may not be picked up in stacking results when large variations in SS precursor amplitudes and arrival times are present. The black seismograms are observed data with close epicentral distances between  $129^\circ$  and  $130^\circ$ . In a 1-D earth model, the SS precursors arrive at about the same time when the SS waves are aligned (with arrival time differences less than 0.2 seconds). We align the SS waves and produce a stack using only the top seven seismograms (blue) and a second stack using all ten seismograms (red). The SS precursors on the two stacked seismograms are significantly different.

Table S1: Supplementary information of the 1380  $S_{\text{LAB}S}$  amplitude measurements (see main text). The amplitudes are measured as  $\gamma = \text{minimum}[\log(A_{S_{\text{LAB}S}}/A_{S_{410S}}), \log(A_{S_{\text{LAB}S}}/A_{S_{660S}})]$ . The columns are measurement index,  $S_{\text{LAB}S}$  bounce-point longitude and latitude,  $S_{\text{LAB}S}$  amplitude measurement ( $\gamma$ ), earthquake date (year-month-day), longitude and latitude as well as the name of the station recorded the  $S_{\text{LAB}S}$  wave.

Measurement Index	Bounce Point (Longitude $^{\circ}$ )	Bounce Point (Latitude $^{\circ}$ )	$S_{\text{LAB}S}$ Amplitude	Earthquake Date	Earthquake (Longitude $^{\circ}$ )	Earthquake (Latitude $^{\circ}$ )	Station Name
1	-150.3	19.0	-0.0	2009-01-03	133.3	-0.7	SDV
2	177.9	38.5	0.1	2009-01-03	133.3	-0.7	RSSD
3	172.9	32.4	-0.1	2009-01-03	133.3	-0.7	COR
4	-152.6	-0.8	0.3	2009-01-03	133.3	-0.7	OTAV
5	-172.5	21.1	0.1	2009-01-03	133.3	-0.7	SLBS
6	-135.0	-52.3	-0.0	2009-01-15	170.6	-22.4	TRQA
7	107.8	-38.5	-0.0	2009-01-15	170.6	-22.4	ABPO
8	109.8	-24.1	0.0	2009-01-15	170.6	-22.4	MSEY
9	98.8	-27.6	-0.2	2009-01-15	170.6	-22.4	KMBO
10	144.5	14.8	0.1	2009-01-15	170.6	-22.4	ULN
11	100.5	-16.1	0.3	2009-01-15	170.6	-22.4	FURI
12	-149.9	0.8	0.3	2009-01-15	170.6	-22.4	SLBS
13	-134.7	-52.4	-0.0	2009-01-19	170.9	-22.6	TRQA
14	109.8	-24.4	0.2	2009-01-19	170.9	-22.6	MSEY
15	98.8	-28.0	0.4	2009-01-19	170.9	-22.6	KMBO
16	135.8	19.5	0.1	2009-01-19	170.9	-22.6	KURK
17	100.5	-16.5	0.4	2009-01-19	170.9	-22.6	FURI
18	165.3	-59.0	0.0	2009-02-11	126.4	3.9	PLCA
19	172.0	44.6	0.0	2009-02-11	126.4	3.9	RSSD
20	-171.5	49.2	-0.0	2009-02-11	126.4	3.9	DWPF
21	-90.1	-24.5	-0.2	2009-02-18	-176.3	-27.4	SACV
22	125.5	17.3	-0.9	2009-02-18	-176.3	-27.4	GNI
23	-167.5	15.4	0.1	2009-02-18	-176.3	-27.4	KDAK
24	-167.2	19.1	-0.2	2009-02-18	-176.3	-27.4	COLA
25	101.6	-28.1	-0.2	2009-02-18	-176.3	-27.4	FURI
26	176.0	46.0	-0.4	2009-02-18	-176.3	-27.4	KONO
27	-130.8	12.1	-0.0	2009-02-18	-176.3	-27.4	HRV
28	-31.1	37.9	0.0	2009-03-06	-1.9	80.3	RCBR
29	-1.6	-4.8	-0.3	2009-03-06	-1.9	80.3	QSPA
30	139.0	27.2	0.3	2009-03-06	-1.9	80.3	TAU
31	85.9	10.7	0.2	2009-03-06	-1.9	80.3	CASY
32	-123.4	13.4	0.1	2009-04-07	151.6	46.0	TRQA
33	155.1	-15.9	-1.1	2009-04-07	151.6	46.0	SBA
34	-6.7	-6.3	-0.1	2009-04-16	-26.9	-60.2	BFO
35	-128.2	-60.5	0.0	2009-04-16	-26.9	-60.2	RAR
36	141.1	-64.4	-0.5	2009-04-16	-26.9	-60.2	PMG
37	4.8	-5.4	0.1	2009-04-16	-26.9	-60.2	KIEV
38	7.3	-3.0	0.1	2009-04-16	-26.9	-60.2	OBN
39	-123.5	13.4	-0.2	2009-04-18	151.4	46.0	TRQA
40	-117.8	29.3	0.4	2009-04-18	151.4	46.0	LVC
41	-122.0	35.0	-0.6	2009-04-18	151.4	46.0	NNA
42	-149.1	14.4	0.5	2009-05-16	-178.8	-31.5	FFC
43	-132.5	7.0	0.1	2009-05-16	-178.8	-31.5	SSPA
44	149.3	10.0	-0.2	2009-05-16	-178.8	-31.5	ULN
45	145.8	46.1	0.0	2009-06-23	153.8	-5.2	KBS

Measurement Index	Bounce Point (Longitude <sup>o</sup> )	Bounce Point (Latitude <sup>o</sup> )	$S_{LABS}$ Amplitude	Earthquake Date	Earthquake (Longitude <sup>o</sup> )	Earthquake (Latitude <sup>o</sup> )	Station Name
46	167.9	51.4	-0.1	2009-06-23	153.8	-5.2	SFJD
47	158.7	45.1	0.2	2009-06-23	153.8	-5.2	ALE
48	96.6	-38.9	0.1	2009-07-15	166.6	-45.8	MSEY
49	175.9	25.4	0.1	2009-08-03	-112.9	29.0	KAPI
50	-165.8	7.0	-0.2	2009-08-03	-112.9	29.0	CTAO
51	-174.7	51.8	0.0	2009-08-03	-112.9	29.0	SSE
52	-177.7	48.1	-0.1	2009-08-03	-112.9	29.0	TATO
53	-175.3	-4.6	0.3	2009-08-03	-112.9	29.0	NWAO
54	80.2	4.6	-0.1	2009-08-09	137.9	33.2	BOSA
55	-136.1	43.1	0.1	2009-08-09	137.9	33.2	OTAV
56	89.8	10.5	-0.3	2009-08-09	137.9	33.2	ABPO
57	-6.1	67.9	0.2	2009-08-09	137.9	33.2	RCBR
58	40.5	-41.5	-0.0	2009-08-10	92.9	14.1	TRQA
59	81.0	4.0	0.1	2009-08-12	140.4	32.8	BOSA
60	70.5	-58.9	-0.1	2009-08-16	99.5	-1.5	EFI
61	88.0	-57.0	0.2	2009-08-16	99.5	-1.5	PMSA
62	99.5	-45.7	-0.5	2009-08-16	99.5	-1.5	QSPA
63	174.2	58.0	0.1	2009-08-17	123.5	23.5	RSSD
64	179.3	81.2	-0.0	2009-08-17	123.5	23.5	BBSR
65	163.0	28.1	0.2	2009-08-17	123.5	23.5	KIP
66	-173.4	44.2	-0.0	2009-08-17	123.5	23.5	SLBS
67	75.0	-20.8	-0.0	2009-08-28	123.4	-7.2	TSUM
68	128.4	-58.6	0.3	2009-08-28	123.4	-7.2	PMSA
69	165.3	51.7	-0.2	2009-08-28	123.4	-7.2	SSPA
70	61.2	-0.8	0.0	2009-08-28	123.4	-7.2	DBIC
71	-161.4	-43.6	-0.0	2009-08-28	123.4	-7.2	NNA
72	80.2	-23.1	-0.3	2009-08-28	123.4	-7.2	LBTB
73	177.2	46.1	0.1	2009-08-30	-172.6	-15.2	KEV
74	156.6	23.4	-0.0	2009-08-30	-172.6	-15.2	TLY
75	104.2	-34.4	-0.7	2009-08-30	-172.6	-15.2	MBAR
76	-131.2	3.4	-0.4	2009-08-30	-172.6	-15.2	TEIG
77	156.6	45.8	-0.1	2009-08-30	-172.6	-15.2	OBN
78	143.8	-2.4	0.3	2009-09-30	99.9	-0.7	KNTN
79	150.9	1.1	0.2	2009-09-30	99.9	-0.7	XMAS
80	159.3	42.6	0.3	2009-10-01	101.5	-2.5	TUC
81	167.0	34.3	0.2	2009-10-01	101.5	-2.5	SLBS
82	171.8	54.9	0.4	2009-10-04	123.4	6.7	WCI
83	141.4	-64.5	0.1	2009-10-04	123.4	6.7	TRQA
84	-164.6	10.5	0.3	2009-10-04	123.4	6.7	PAYG
85	94.9	-46.8	0.2	2009-10-08	165.9	-13.3	TSUM
86	120.3	20.1	-0.1	2009-10-08	165.9	-13.3	ABKT
87	106.2	-53.9	0.2	2009-10-08	165.9	-13.3	SUR
88	133.8	24.6	0.4	2009-10-08	165.9	-13.3	KURK
89	-141.3	-11.2	-0.1	2009-10-08	165.9	-13.3	PAYG
90	-111.6	1.0	-0.6	2009-10-13	-167.0	52.8	EFI
91	-104.8	11.8	-0.1	2009-10-13	-167.0	52.8	TRQA
92	-46.0	51.1	0.5	2009-10-13	-167.0	52.8	ASCN
93	148.0	12.4	0.1	2009-10-13	-167.0	52.8	NWAO
94	165.5	41.7	0.4	2009-10-24	130.4	-6.1	FFC
95	140.6	-59.3	-0.1	2009-10-24	130.4	-6.1	PMSA
96	-153.7	-11.7	-0.5	2009-10-24	130.4	-6.1	OTAV

Measurement Index	Bounce Point (Longitude <sup>o</sup> )	Bounce Point (Latitude <sup>o</sup> )	$S_{LABS}$ Amplitude	Earthquake Date	Earthquake (Longitude <sup>o</sup> )	Earthquake (Latitude <sup>o</sup> )	Station Name
97	65.1	-27.5	-0.0	2009-10-24	130.4	-6.1	SHEL
98	82.6	-30.9	-0.1	2009-10-24	130.4	-6.1	SUR
99	47.5	-41.3	0.2	2009-10-24	130.4	-6.1	RCBR
100	80.8	-16.7	0.1	2009-10-24	130.4	-6.1	LSZ
101	70.4	8.9	0.2	2009-10-30	129.8	29.2	TSUM
102	-155.2	78.0	0.2	2009-10-30	129.8	29.2	BBSR
103	-149.8	36.1	0.1	2009-10-30	129.8	29.2	PAYG
104	-131.8	21.7	-0.2	2009-10-30	129.8	29.2	CPUP
105	-158.0	-25.1	-0.3	2009-11-08	118.6	-8.2	OTAV
106	162.4	31.6	0.0	2009-11-08	118.6	-8.2	COR
107	171.7	25.7	0.3	2009-11-08	118.6	-8.2	PFO
108	174.2	26.7	0.1	2009-11-08	118.6	-8.2	TUC
109	-153.5	8.0	0.4	2009-11-09	178.3	-17.2	PFO
110	137.5	18.5	0.1	2009-11-09	178.3	-17.2	AAK
111	-44.6	24.8	-0.2	2009-11-13	-70.3	-19.4	KONO
112	-128.5	30.2	-0.1	2009-11-13	-70.3	-19.4	MAJO
113	-31.8	37.3	0.5	2009-11-13	-70.3	-19.4	BRVK
114	176.6	26.9	0.1	2009-11-17	-131.4	52.1	PMG
115	-118.3	12.8	0.3	2009-11-17	-131.4	52.1	RPN
116	-52.0	36.0	-0.3	2009-11-17	-131.4	52.1	ASCN
117	-123.5	10.0	0.4	2009-11-24	-174.0	-20.7	BBSR
118	152.7	41.3	0.2	2009-11-24	-174.0	-20.7	OBN
119	93.5	-10.3	0.1	2010-01-03	157.5	-8.7	MBAR
120	-153.1	-47.3	-0.1	2010-01-03	157.5	-8.7	PLCA
121	70.8	-64.1	-0.2	2010-01-03	157.5	-8.7	ASCN
122	-138.8	-46.2	0.5	2010-01-03	157.5	-8.7	CPUP
123	93.4	-10.4	0.1	2010-01-03	157.3	-8.8	MBAR
124	-138.9	-46.4	0.2	2010-01-03	157.3	-8.8	CPUP
125	51.5	-33.9	0.2	2010-01-05	-14.7	-58.2	PALK
126	-84.4	-0.6	0.1	2010-01-05	-14.7	-58.2	KDAK
127	-8.6	-9.4	0.3	2010-01-05	-14.7	-58.2	PAB
128	65.6	-31.0	0.3	2010-01-05	-14.7	-58.2	CHTO
129	86.7	-33.8	0.2	2010-01-05	-14.7	-58.2	TATO
130	-17.5	26.8	0.1	2010-01-05	-14.7	-58.2	BILL
131	135.6	42.3	0.4	2010-01-05	157.6	-9.0	LVZ
132	147.8	34.2	-0.2	2010-01-10	-124.7	40.6	COCO
133	-35.9	29.2	-0.1	2010-01-10	-124.7	40.6	TSUM
134	-142.3	-2.5	-0.4	2010-01-12	-72.5	18.4	CTAO
135	-21.6	2.5	0.1	2010-01-12	-72.5	18.4	LSZ
136	-14.8	83.3	-0.1	2010-01-12	-72.5	18.4	KMI
137	-145.0	72.6	-0.3	2010-01-12	-72.5	18.4	TATO
138	-10.9	42.6	0.0	2010-01-12	-72.5	18.4	UOSS
139	71.5	10.1	-0.2	2010-02-18	130.7	42.6	SUR
140	-145.3	51.9	0.4	2010-02-26	128.4	25.9	BCIP
141	-149.8	48.4	-0.1	2010-02-26	128.4	25.9	JTS
142	104.1	-45.4	0.2	2010-02-26	128.4	25.9	HOPE
143	-152.4	33.8	-0.0	2010-02-26	128.4	25.9	PAYG
144	-143.6	28.8	-0.0	2010-02-26	128.4	25.9	NNA
145	105.3	-49.4	-0.1	2010-03-04	167.2	-13.6	BOSA
146	131.7	38.0	0.0	2010-03-04	167.2	-13.6	OBN
147	102.8	-46.6	0.2	2010-03-04	167.2	-13.6	LBTB

Measurement Index	Bounce Point (Longitude <sup>o</sup> )	Bounce Point (Latitude <sup>o</sup> )	$S_{LABS}$ Amplitude	Earthquake Date	Earthquake (Longitude <sup>o</sup> )	Earthquake (Latitude <sup>o</sup> )	Station Name
148	-43.3	14.9	-0.1	2010-03-05	-73.4	-36.7	KONO
149	-60.2	24.5	0.2	2010-03-05	-73.4	-36.7	KBS
150	-45.8	23.0	0.5	2010-03-05	-73.4	-36.7	LVZ
151	63.6	-56.0	-0.1	2010-03-05	-73.4	-36.7	CHTO
152	18.4	-52.5	0.3	2010-03-05	-73.4	-36.7	DGAR
153	57.8	-63.7	-0.1	2010-03-05	101.0	-3.8	TRQA
154	48.3	2.4	0.2	2010-03-05	101.0	-3.8	DBIC
155	43.7	-10.8	-0.0	2010-03-05	101.0	-3.8	ASCN
156	159.6	-30.7	-0.3	2010-03-05	101.0	-3.8	PTCN
157	-145.6	9.7	0.1	2010-03-11	-71.9	-34.3	INCN
158	2.5	-38.1	0.2	2010-03-11	-71.9	-34.3	MSEY
159	-129.6	32.1	-0.3	2010-03-11	-71.9	-34.3	BJT
160	-118.1	-8.8	-0.5	2010-03-11	-71.9	-34.3	KIP
161	-139.4	-15.0	-0.6	2010-03-11	-71.9	-34.3	WAKE
162	16.1	-50.1	-0.3	2010-03-11	-71.9	-34.3	DGAR
163	-134.8	12.5	-0.0	2010-03-11	-71.9	-34.3	ERM
164	24.9	-43.5	0.2	2010-03-11	-71.8	-34.3	PALK
165	-134.8	12.4	0.0	2010-03-11	-71.8	-34.3	ERM
166	-132.9	49.7	0.2	2010-03-14	141.6	37.7	BCIP
167	-173.2	-30.4	0.1	2010-03-14	141.6	37.7	EFI
168	-140.9	36.7	0.1	2010-03-14	141.6	37.7	PAYG
169	-43.3	15.1	-0.2	2010-03-16	-73.3	-36.2	KONO
170	-45.9	23.3	0.7	2010-03-16	-73.3	-36.2	LVZ
171	-147.1	0.6	-0.1	2010-03-16	-73.3	-36.2	MAJO
172	-166.6	-64.9	0.3	2010-03-16	-73.3	-36.2	WRAB
173	-45.2	11.5	-0.3	2010-03-16	-73.3	-36.2	ESK
174	-130.8	16.4	0.1	2010-03-16	-73.3	-36.2	YSS
175	-160.3	31.6	-0.0	2010-03-20	152.2	-3.4	WCI
176	-175.5	36.0	0.3	2010-03-20	152.2	-3.4	FFC
177	92.6	-4.1	0.2	2010-03-20	152.2	-3.4	MBAR
178	-141.0	7.4	-0.2	2010-03-20	152.2	-3.4	SDV
179	-160.3	36.8	0.2	2010-03-20	152.2	-3.4	SSPA
180	75.4	8.2	0.1	2010-03-20	152.2	-3.4	DBIC
181	-144.6	20.0	-0.4	2010-03-20	152.2	-3.4	SDDR
182	-161.5	41.1	0.5	2010-03-20	152.2	-3.4	HRV
183	-137.7	-35.4	-0.0	2010-04-11	161.1	-10.9	LVC
184	-115.0	-44.8	0.0	2010-04-11	161.1	-10.9	RCBR
185	58.5	0.5	-0.1	2010-04-13	96.5	33.2	SUR
186	146.7	13.7	-0.1	2010-04-13	96.5	33.2	AFI
187	-142.4	26.4	0.1	2010-04-26	123.7	22.2	LPAZ
188	69.9	2.5	0.6	2010-04-26	123.7	22.2	TSUM
189	-173.9	43.2	0.4	2010-04-26	123.7	22.2	SLBS
190	75.4	-2.1	-0.1	2010-04-26	123.7	22.2	LBTB
191	-93.6	9.1	0.0	2010-04-30	-177.9	60.5	HOPE
192	-29.5	53.8	0.2	2010-04-30	-177.9	60.5	ASCN
193	138.7	15.7	-0.1	2010-05-05	101.1	-4.0	MIDW
194	40.1	-68.1	-0.3	2010-05-05	101.1	-4.0	LVC
195	48.4	2.2	0.1	2010-05-05	101.1	-4.0	DBIC
196	159.7	-30.9	-0.0	2010-05-05	101.1	-4.0	PTCN
197	62.1	-61.8	0.1	2010-05-09	96.0	3.8	PLCA
198	159.0	-42.4	0.0	2010-05-09	96.0	3.8	RPN

Measurement Index	Bounce Point (Longitude <sup>o</sup> )	Bounce Point (Latitude <sup>o</sup> )	$S_{LABS}$ Amplitude	Earthquake Date	Earthquake (Longitude <sup>o</sup> )	Earthquake (Latitude <sup>o</sup> )	Station Name
199	-155.5	-49.4	-0.6	2010-05-24	-71.6	-8.1	KAPI
200	-37.6	44.6	0.3	2010-05-24	-71.6	-8.1	BRVK
201	-132.0	50.0	-0.4	2010-05-24	-71.6	-8.1	TATO
202	-116.5	-51.8	0.1	2010-05-24	-71.6	-8.1	TAU
203	-139.8	-47.6	0.3	2010-05-24	-71.6	-8.1	WRAB
204	-140.2	8.4	-0.1	2010-05-24	-71.6	-8.1	GUMO
205	-145.2	50.4	-0.0	2010-05-26	129.9	25.8	BCIP
206	146.7	-49.4	0.6	2010-05-26	129.9	25.8	EFI
207	78.6	-2.3	0.5	2010-05-26	129.9	25.8	BOSA
208	-145.2	9.5	0.1	2010-05-26	129.9	25.8	LVC
209	-143.6	27.2	-0.1	2010-05-26	129.9	25.8	NNA
210	146.9	26.0	-0.1	2010-05-31	93.5	11.1	POHA
211	41.3	-46.9	0.2	2010-06-12	91.9	7.9	TRQA
212	-179.5	36.2	0.1	2010-06-16	136.5	-2.2	RSSD
213	-155.4	11.3	0.2	2010-06-16	136.5	-2.2	JTS
214	93.5	-14.7	-0.3	2010-06-16	136.5	-2.2	ABPO
215	-155.3	25.6	0.6	2010-06-16	136.5	-2.2	MTDJ
216	-170.6	19.1	0.0	2010-06-16	136.5	-2.2	SLBS
217	-151.9	23.4	0.3	2010-06-26	161.4	-10.6	WCI
218	-168.0	20.9	0.1	2010-06-26	161.4	-10.6	COR
219	-141.8	-0.3	-0.4	2010-06-26	161.4	-10.6	JTS
220	-130.6	2.0	-0.3	2010-06-26	161.4	-10.6	GRGR
221	116.8	-12.6	-0.7	2010-06-26	161.4	-10.6	DGAR
222	111.9	11.6	-0.1	2010-06-26	161.4	-10.6	UOSS
223	-42.8	14.0	-1.0	2010-07-14	-73.3	-38.1	KONO
224	-169.1	-65.4	0.2	2010-07-14	-73.3	-38.1	WRAB
225	-105.6	12.3	0.1	2010-07-18	-169.7	52.9	TRQA
226	-129.8	-9.5	0.3	2010-07-18	-169.7	52.9	PMSA
227	-146.2	17.5	-0.1	2010-07-18	150.4	-6.0	GTBY
228	100.5	-53.2	0.4	2010-07-23	123.4	6.7	HOPE
229	-163.7	-39.5	-0.2	2010-07-23	123.5	6.5	LPAZ
230	-158.1	17.3	-0.0	2010-07-23	123.5	6.5	OTAV
231	100.6	-53.5	0.4	2010-07-23	123.5	6.5	HOPE
232	-176.7	53.8	0.3	2010-07-23	123.5	6.5	DWPF
233	100.4	-53.0	-0.3	2010-07-23	123.3	6.8	HOPE
234	-163.7	-40.2	-0.0	2010-07-24	123.5	6.2	LPAZ
235	-158.0	16.6	0.5	2010-07-24	123.5	6.2	OTAV
236	-164.3	9.6	-0.2	2010-07-24	123.5	6.2	PAYG
237	61.1	14.5	0.2	2010-07-24	123.5	6.2	DBIC
238	-166.2	49.4	-0.5	2010-07-24	123.5	6.2	MTDJ
239	-161.2	34.6	-1.3	2010-07-29	123.2	6.5	BCIP
240	-164.7	10.2	-0.4	2010-07-29	123.2	6.5	PAYG
241	-154.4	-20.3	-0.1	2010-07-29	123.2	6.5	SAML
242	-166.7	34.5	-0.0	2010-07-29	123.2	6.5	TGUH
243	-177.2	54.0	-0.3	2010-07-29	123.2	6.5	DWPF
244	-162.9	-55.3	0.5	2010-08-04	146.8	-5.5	TRQA
245	93.1	-31.8	0.1	2010-08-04	146.8	-5.5	BOSA
246	-155.8	40.0	-0.2	2010-08-04	146.8	-5.5	BBSR
247	-148.4	-38.9	0.1	2010-08-04	146.8	-5.5	LVC
248	-166.2	42.8	0.0	2010-08-04	146.8	-5.5	HRV
249	-145.1	4.0	0.2	2010-08-04	150.8	-5.8	BCIP

Measurement Index	Bounce Point (Longitude <sup>o</sup> )	Bounce Point (Latitude <sup>o</sup> )	$S_{LABS}$ Amplitude	Earthquake Date	Earthquake (Longitude <sup>o</sup> )	Earthquake (Latitude <sup>o</sup> )	Station Name
250	90.6	-6.3	0.4	2010-08-04	150.8	-5.8	MBAR
251	-168.7	29.2	0.2	2010-08-04	150.8	-5.8	RSSD
252	-146.1	17.6	0.1	2010-08-04	150.8	-5.8	GTBY
253	-140.6	4.4	0.6	2010-08-04	150.8	-5.8	SDV
254	-151.4	36.9	0.3	2010-08-04	150.8	-5.8	BBSR
255	-145.1	-36.5	0.0	2010-08-04	150.8	-5.8	LVC
256	-163.2	-24.6	-0.1	2010-08-04	150.8	-5.8	RPN
257	-146.4	14.9	-0.1	2010-08-04	150.8	-5.8	MTDJ
258	-129.3	0.6	0.1	2010-08-10	168.1	-17.5	SJG
259	167.6	25.2	0.1	2010-08-10	168.1	-17.5	BILL
260	-20.6	-2.2	-0.4	2010-08-12	-77.3	-1.3	KMBO
261	-18.7	-20.9	0.0	2010-08-12	-77.3	-1.3	ABPO
262	-34.4	-24.4	0.3	2010-08-12	-77.3	-1.3	SUR
263	-20.4	7.1	0.0	2010-08-12	-77.3	-1.3	FURI
264	-124.6	44.6	0.3	2010-08-12	-77.3	-1.3	ERM
265	61.7	10.8	-0.0	2010-08-13	141.5	12.5	ASCN
266	-146.7	17.8	0.2	2010-08-14	141.4	12.3	OTAV
267	-149.8	-19.0	-0.1	2010-08-14	141.4	12.3	LVC
268	-147.6	0.4	-0.0	2010-08-14	141.4	12.3	NNA
269	-117.2	-0.2	0.0	2010-09-03	-175.9	51.5	EFI
270	-108.8	12.0	-0.0	2010-09-03	-175.9	51.5	TRQA
271	-134.4	-4.2	-0.2	2010-09-03	171.8	-43.5	WCI
272	83.7	-44.8	-0.2	2010-09-03	171.8	-43.5	KMBO
273	-107.0	-30.9	-0.4	2010-09-03	171.8	-43.5	BBGH
274	99.4	-39.4	0.1	2010-09-03	171.8	-43.5	MSEY
275	-120.3	-42.4	-0.2	2010-09-03	171.8	-43.5	NNA
276	-127.8	-22.1	-0.0	2010-09-03	171.8	-43.5	TGUH
277	-127.3	-12.7	0.2	2010-09-03	171.8	-43.5	DWPF
278	-170.8	33.6	0.0	2010-09-03	171.8	-43.5	BORG
279	170.0	12.3	0.1	2010-09-03	171.8	-43.5	BILL
280	154.5	38.9	-0.3	2010-09-03	171.8	-43.5	ESK
281	104.0	-16.8	0.2	2010-09-03	171.8	-43.5	UOSS
282	-129.1	-1.0	0.3	2010-09-03	171.8	-43.5	HRV
283	-143.7	-12.7	0.1	2010-09-03	171.8	-43.5	SLBS
284	-174.3	39.7	0.5	2010-09-29	133.8	-5.0	WCI
285	169.1	41.5	0.2	2010-09-29	133.8	-5.0	FFC
286	175.5	-65.5	0.2	2010-09-29	133.8	-5.0	TRQA
287	-152.0	-8.5	-0.3	2010-09-29	133.8	-5.0	OTAV
288	-164.8	33.6	0.1	2010-09-29	133.8	-5.0	DWPF
289	-88.8	-14.8	-0.3	2010-10-21	-109.2	24.7	EFI
290	-31.8	31.7	0.1	2010-10-21	-109.2	24.7	MBAR
291	-122.5	-30.8	-0.2	2010-10-21	-109.2	24.7	VNDA
292	179.6	22.6	-0.2	2010-10-21	-109.2	24.7	KAPI
293	-81.9	-17.9	0.0	2010-10-21	-109.2	24.7	HOPE
294	177.2	59.4	-0.0	2010-10-21	-109.2	24.7	KMI
295	-121.8	-30.4	-0.0	2010-10-21	-109.2	24.7	SBA
296	-132.4	-37.3	-0.1	2010-10-21	-109.2	24.7	CASY
297	-152.1	50.3	-0.0	2010-10-21	-109.2	24.7	YSS
298	-34.7	-71.1	0.1	2010-11-10	96.4	-45.5	LPAZ
299	-164.0	-23.5	-0.4	2010-11-10	96.4	-45.5	ANMO
300	132.9	16.6	0.2	2010-11-10	96.4	-45.5	COLA

Measurement Index	Bounce Point (Longitude <sup>o</sup> )	Bounce Point (Latitude <sup>o</sup> )	$S_{LABS}$ Amplitude	Earthquake Date	Earthquake (Longitude <sup>o</sup> )	Earthquake (Latitude <sup>o</sup> )	Station Name
301	-18.9	-47.9	0.2	2010-11-10	96.4	-45.5	BBGH
302	-43.3	-58.5	0.0	2010-11-10	96.4	-45.5	SDV
303	69.4	-3.0	-0.1	2010-11-10	96.4	-45.5	GNI
304	-26.6	-64.7	0.5	2010-11-10	96.4	-45.5	SAML
305	-173.8	-19.4	0.8	2010-11-10	96.4	-45.5	PFO
306	179.6	-59.8	0.1	2010-11-10	96.4	-45.5	PTCN
307	124.9	4.4	0.1	2010-11-10	96.4	-45.5	PET
308	59.5	16.9	0.5	2010-11-10	96.4	-45.5	BORG
309	53.6	7.5	0.5	2010-11-10	96.4	-45.5	ESK
310	-157.2	-36.3	0.3	2010-11-10	96.4	-45.5	SLBS
311	-142.1	-31.1	0.2	2010-12-02	150.0	-6.0	LPAZ
312	-176.2	35.8	-0.0	2010-12-02	150.0	-6.0	FFC
313	-144.6	-21.7	0.4	2010-12-02	150.0	-6.0	NNA
314	-160.9	36.3	0.5	2010-12-02	150.0	-6.0	SSPA
315	-22.7	48.3	-0.0	2010-12-20	59.2	28.4	JTS
316	-12.8	38.3	0.1	2010-12-20	59.2	28.4	SDV
317	-28.4	6.4	-0.2	2010-12-20	59.2	28.4	RPN
318	61.2	19.8	0.3	2010-12-21	143.7	26.9	SHEL
319	-106.6	-47.4	0.2	2010-12-25	167.9	-19.7	RCBR
320	-145.2	47.5	-0.5	2010-12-25	167.9	-19.7	CMLA
321	175.5	47.2	0.1	2010-12-25	167.9	-19.7	BORG
322	167.5	24.1	0.5	2010-12-25	167.9	-19.7	BILL
323	174.6	37.1	0.0	2010-12-25	167.9	-19.7	ALE
324	-145.8	-51.3	0.3	2011-01-01	-63.1	-26.8	PMG
325	-118.1	0.3	0.1	2011-01-01	-63.1	-26.8	MIDW
326	-140.4	-59.7	0.5	2011-01-01	-63.1	-26.8	CTAO
327	-109.1	-6.2	-0.2	2011-01-01	-63.1	-26.8	POHA
328	-130.1	-9.6	0.0	2011-01-01	-63.1	-26.8	WAKE
329	-63.0	25.8	0.1	2011-01-01	-63.1	-26.8	ALE
330	-169.5	-65.5	0.2	2011-01-02	-73.3	-38.4	WRAB
331	-28.6	19.9	0.2	2011-01-02	-73.3	-38.4	ARU
332	-48.1	21.6	0.5	2011-01-02	-73.3	-38.4	KEV
333	-135.2	-42.2	-0.3	2011-01-02	-73.3	-38.4	MSVF
334	-122.2	15.8	-0.3	2011-01-02	-73.3	-38.4	PET
335	-137.6	-67.9	-0.0	2011-01-02	-73.3	-38.4	TAU
336	-133.2	13.3	-0.2	2011-01-02	-73.3	-38.4	YSS
337	-144.8	47.6	0.4	2011-01-09	168.3	-19.2	CMLA
338	107.8	-35.1	0.3	2011-01-09	168.3	-19.2	ABPO
339	133.5	17.5	0.3	2011-01-13	168.5	-20.6	MAKZ
340	150.5	39.9	0.2	2011-01-13	168.5	-20.6	KEV
341	176.5	46.7	-0.3	2011-01-13	168.5	-20.6	BORG
342	162.7	39.5	-0.0	2011-01-13	168.5	-20.6	KBS
343	-30.0	13.8	0.2	2011-01-18	63.9	28.8	RPN
344	0.2	85.1	-0.0	2011-01-18	63.9	28.8	TUC
345	2.3	2.6	0.6	2011-01-18	63.9	28.8	CPUP
346	171.7	53.6	-0.1	2011-02-10	123.0	4.2	WCI
347	-165.4	-46.7	-0.4	2011-02-10	123.0	4.2	LPAZ
348	124.6	-60.5	-0.2	2011-02-10	123.0	4.2	EFI
349	155.5	-60.3	0.2	2011-02-10	123.0	4.2	PLCA
350	174.3	39.1	0.1	2011-02-10	123.0	4.2	ANMO
351	-175.3	-55.2	-0.9	2011-02-10	123.0	4.2	LVC

Measurement Index	Bounce Point (Longitude <sup>o</sup> )	Bounce Point (Latitude <sup>o</sup> )	$S_{LABS}$ Amplitude	Earthquake Date	Earthquake (Longitude <sup>o</sup> )	Earthquake (Latitude <sup>o</sup> )	Station Name
352	174.9	35.2	-0.0	2011-02-10	123.0	4.2	TUC
353	-43.1	15.0	-0.2	2011-02-11	-73.1	-36.5	KONO
354	-29.6	21.6	0.1	2011-02-11	-73.1	-36.5	ARU
355	-87.6	3.9	0.5	2011-02-11	-73.1	-36.5	RSSD
356	-48.4	22.8	0.3	2011-02-11	-73.1	-36.5	KEV
357	-59.9	24.6	0.1	2011-02-11	-73.1	-36.5	KBS
358	-130.8	16.2	0.1	2011-02-11	-73.1	-36.5	YSS
359	26.4	-45.3	-0.0	2011-02-14	-72.8	-35.4	PALK
360	-30.2	22.5	0.1	2011-02-14	-72.8	-35.4	ARU
361	-157.4	-49.4	0.1	2011-02-14	-72.8	-35.4	PMG
362	-48.6	23.4	-0.0	2011-02-14	-72.8	-35.4	KEV
363	-55.7	16.0	-0.2	2011-02-14	-72.8	-35.4	BORG
364	17.1	-51.4	-0.1	2011-02-14	-72.8	-35.4	DGAR
365	-136.7	10.5	-0.0	2011-02-14	-72.8	-35.4	ERM
366	-59.9	25.2	0.5	2011-02-14	-72.8	-35.4	KBS
367	-129.6	17.7	0.1	2011-02-14	-72.8	-35.4	YSS
368	-32.1	16.2	0.3	2011-02-14	-72.8	-35.4	OBN
369	141.9	25.2	0.1	2011-02-21	178.4	-26.1	ARU
370	123.5	16.1	0.5	2011-02-21	178.4	-26.1	GNI
371	-121.5	24.4	0.0	2011-02-21	178.4	-26.1	CMLA
372	-174.1	31.4	0.3	2011-02-21	178.4	-26.1	ALE
373	3.1	-3.5	0.1	2011-03-06	-27.1	-56.4	KIEV
374	70.3	-22.5	0.2	2011-03-06	-27.1	-56.4	BJT
375	-130.0	43.5	0.0	2011-03-09	142.8	38.4	OTAV
376	-130.1	43.4	0.0	2011-03-09	142.8	38.3	OTAV
377	-167.3	-15.8	-0.2	2011-03-10	116.7	-6.9	PAYG
378	-123.6	33.8	0.0	2011-03-12	142.7	37.6	LPAZ
379	-137.5	46.9	-0.4	2011-03-12	142.7	37.6	JTS
380	-140.8	36.1	-0.6	2011-03-12	142.7	37.6	PAYG
381	-140.2	48.3	0.2	2011-03-12	142.7	37.6	TGUH
382	-170.1	8.6	0.0	2011-03-12	142.7	37.6	PTCN
383	47.2	-40.4	-0.2	2011-03-24	99.8	20.7	TRQA
384	99.9	-34.6	0.1	2011-03-24	99.8	20.7	QSPA
385	-6.8	86.1	-0.1	2011-03-24	99.8	20.7	MTDJ
386	110.6	-31.1	0.2	2011-03-24	99.8	20.7	SBA
387	-26.1	19.1	-0.3	2011-04-07	-94.3	17.2	KMBO
388	-33.0	2.1	-0.3	2011-04-07	-94.3	17.2	LSZ
389	-137.2	47.9	-0.3	2011-04-07	141.6	38.3	JTS
390	132.1	-43.9	-0.4	2011-04-11	140.4	37.0	HOPE
391	-152.3	23.6	0.4	2011-04-23	161.2	-10.4	WCI
392	-142.1	-0.1	-0.0	2011-04-23	161.2	-10.4	JTS
393	-130.1	3.9	0.1	2011-04-23	161.2	-10.4	BBGH
394	-142.1	26.1	0.5	2011-04-23	161.2	-10.4	BBSR
395	-151.7	21.7	0.1	2011-04-23	161.2	-10.4	WVT
396	144.7	-1.4	0.0	2011-06-22	142.2	40.0	TAU
397	144.3	25.5	0.0	2011-07-06	-176.3	-29.5	ARU
398	156.8	11.5	0.4	2011-07-06	-176.3	-29.5	HIA
399	142.8	16.7	-0.6	2011-07-06	-176.3	-29.5	KURK
400	145.1	33.3	0.3	2011-07-06	-176.3	-29.5	OBN
401	-130.3	43.0	-0.2	2011-07-10	143.3	38.0	OTAV
402	89.5	14.0	0.1	2011-07-10	143.3	38.0	ABPO

Measurement Index	Bounce Point (Longitude <sup>o</sup> )	Bounce Point (Latitude <sup>o</sup> )	$S_{LABS}$ Amplitude	Earthquake Date	Earthquake (Longitude <sup>o</sup> )	Earthquake (Latitude <sup>o</sup> )	Station Name
403	-161.2	49.5	-0.9	2011-07-10	143.3	38.0	TUC
404	-135.8	14.5	-0.0	2011-07-29	179.8	-23.8	HRV
405	-175.6	48.9	0.1	2011-07-29	179.8	-23.8	ESK
406	-140.4	-24.3	0.1	2011-07-31	144.8	-3.5	SAML
407	-156.6	28.8	-0.5	2011-07-31	144.8	-3.5	DWPF
408	-169.1	22.6	-0.2	2011-07-31	144.8	-3.5	TUC
409	-171.8	22.3	-0.8	2011-07-31	144.8	-3.5	PFO
410	144.8	-46.7	0.2	2011-07-31	144.8	-3.5	QSPA
411	-145.7	25.5	0.1	2011-07-31	144.8	-3.5	SJG
412	-151.6	-53.2	0.3	2011-07-31	144.8	-3.5	CPUP
413	129.1	17.2	-0.2	2011-08-20	168.1	-18.4	AAK
414	150.5	41.1	-0.1	2011-08-20	168.1	-18.4	KEV
415	133.7	24.7	0.4	2011-08-20	168.1	-18.4	BRVK
416	134.0	29.3	0.1	2011-08-20	168.2	-18.3	ARU
417	129.1	17.3	-0.1	2011-08-20	168.2	-18.3	AAK
418	-115.0	-19.2	-0.3	2011-08-24	-74.5	-7.6	RAR
419	-39.0	55.9	0.3	2011-08-24	-74.5	-7.6	WMQ
420	-52.5	39.9	0.0	2011-08-24	-74.5	-7.6	LVZ
421	-24.6	-17.9	0.2	2011-08-24	-74.5	-7.6	LSZ
422	-139.5	-35.2	-0.1	2011-08-24	-74.5	-7.6	CTAO
423	177.2	42.3	-0.8	2011-08-30	126.8	-6.4	WCI
424	-165.4	39.6	-0.1	2011-08-30	126.8	-6.4	GRTK
425	160.8	42.1	0.0	2011-08-30	126.8	-6.4	FFC
426	177.9	28.6	0.0	2011-08-30	126.8	-6.4	ANMO
427	148.1	34.1	0.0	2011-08-30	126.8	-6.4	COLA
428	171.2	36.2	-0.1	2011-08-30	126.8	-6.4	RSSD
429	167.0	29.6	0.1	2011-08-30	126.8	-6.4	COR
430	-163.6	31.5	0.3	2011-08-30	126.8	-6.4	GTBY
431	80.2	-16.1	-0.1	2011-08-30	126.8	-6.4	LSZ
432	-172.1	37.0	0.4	2011-08-30	126.8	-6.4	DWPF
433	178.2	24.8	-0.5	2011-08-30	126.8	-6.4	TUC
434	171.4	50.1	0.0	2011-08-30	126.8	-6.4	SSPA
435	175.6	24.0	-0.2	2011-08-30	126.8	-6.4	PFO
436	-162.2	41.6	-0.3	2011-08-30	126.8	-6.4	SJG
437	-162.6	25.9	0.2	2011-08-30	126.8	-6.4	MTDJ
438	-177.3	17.3	-0.3	2011-08-30	126.8	-6.4	SLBS
439	-27.9	52.5	0.4	2011-09-02	-171.7	52.2	SHEL
440	-179.2	5.6	0.2	2011-09-02	-171.7	52.2	SNZO
441	-177.2	-12.9	0.0	2011-09-02	-171.7	52.2	SBA
442	-21.1	25.6	0.1	2011-09-02	-63.1	-28.4	BRVK
443	-127.6	19.8	-0.5	2011-09-02	-63.1	-28.4	MAJO
444	130.0	15.6	-0.2	2011-09-03	169.7	-20.7	AAK
445	-144.7	11.9	0.0	2011-09-03	169.7	-20.7	WVT
446	144.5	15.2	-0.1	2011-09-03	169.7	-20.7	ULN
447	-143.4	17.1	0.1	2011-09-03	169.7	-20.7	SSPA
448	-98.1	-16.0	-0.2	2011-09-15	-179.5	-21.6	SACV
449	145.6	28.8	0.1	2011-09-15	-179.5	-21.6	ARU
450	162.5	38.6	0.3	2011-09-15	-179.5	-21.6	LVZ
451	-121.2	-27.7	0.2	2011-09-15	-179.5	-21.6	SAML
452	152.3	14.1	-0.7	2011-09-15	-179.5	-21.6	ULN
453	106.5	-19.3	-0.2	2011-09-15	-179.5	-21.6	FURI

Measurement Index	Bounce Point (Longitude <sup>o</sup> )	Bounce Point (Latitude <sup>o</sup> )	$S_{LABS}$ Amplitude	Earthquake Date	Earthquake (Longitude <sup>o</sup> )	Earthquake (Latitude <sup>o</sup> )	Station Name
454	146.1	36.5	0.2	2011-09-15	-179.5	-21.6	OBN
455	-128.2	44.7	0.3	2011-09-16	142.8	40.3	OTAV
456	-22.4	62.2	0.3	2011-09-18	88.1	27.7	OTAV
457	93.7	-38.0	-0.1	2011-10-14	147.9	-6.6	SUR
458	-151.0	-7.4	-0.1	2011-10-14	147.9	-6.6	PAYG
459	-111.9	16.6	-0.5	2011-10-21	-176.2	-29.0	CMLA
460	-131.8	8.8	0.2	2011-10-21	-176.2	-29.0	SSPA
461	-155.9	38.8	0.1	2011-10-21	-176.2	-29.0	BORG
462	-130.4	-6.1	-0.2	2011-10-21	-176.2	-29.0	TEIG
463	-163.7	46.7	-0.0	2011-10-21	-176.2	-29.0	ESK
464	145.2	35.0	-0.5	2011-10-23	43.5	38.7	RAR
465	-88.0	-54.5	0.2	2011-10-28	-76.0	-14.4	VNDA
466	-163.9	-51.3	-0.9	2011-10-28	-76.0	-14.4	KAPI
467	-111.3	27.1	-0.2	2011-10-28	-76.0	-14.4	ADK
468	0.6	-35.3	-0.1	2011-10-28	-76.0	-14.4	DGAR
469	133.9	-49.6	-0.2	2011-11-08	125.6	27.3	EFI
470	176.6	58.9	-0.1	2011-11-08	125.6	27.3	RSSD
471	-152.7	37.3	-0.2	2011-11-08	125.6	27.3	PAYG
472	-153.3	53.0	-0.1	2011-11-08	125.6	27.3	TGUH
473	-134.3	75.7	0.4	2011-11-08	125.6	27.3	SJG
474	-31.4	33.9	0.2	2011-11-22	-65.1	-15.4	ARU
475	-28.7	60.0	-0.0	2011-11-22	-65.1	-15.4	ENH
476	-26.9	39.7	0.3	2011-11-22	-65.1	-15.4	KURK
477	-161.9	-2.1	-0.2	2011-12-11	-100.0	17.8	WRAB
478	-16.2	28.5	-0.0	2011-12-11	-100.0	17.8	MSEY
479	-165.3	48.1	-0.2	2011-12-11	-100.0	17.8	TATO
480	-156.1	-1.9	-0.0	2011-12-11	-100.0	17.8	CTAO
481	-168.3	-4.6	0.4	2011-12-11	-100.0	17.8	MBWA
482	-147.1	2.0	0.2	2011-12-14	146.8	-7.6	BCIP
483	-164.0	-52.3	0.3	2011-12-14	146.8	-7.6	PLCA
484	-162.2	-56.9	0.1	2011-12-14	146.8	-7.6	TRQA
485	74.5	-41.2	-0.1	2011-12-14	146.8	-7.6	SHEL
486	-149.9	3.1	0.1	2011-12-14	146.8	-7.6	JTS
487	85.5	-28.9	-0.0	2011-12-14	146.8	-7.6	TSUM
488	91.2	-30.6	0.0	2011-12-14	146.8	-7.6	LBTB
489	-43.2	51.5	0.4	2011-12-27	95.9	51.8	LPAZ
490	162.7	23.4	-0.5	2011-12-27	95.9	51.8	RAR
491	-29.9	57.0	0.5	2011-12-27	95.9	51.8	PTGA
492	96.0	-19.0	0.3	2011-12-27	95.9	51.8	QSPA
493	-140.3	48.4	-0.6	2012-01-01	138.1	31.5	BCIP
494	-144.6	45.9	-0.6	2012-01-01	138.1	31.5	JTS
495	-148.3	72.3	-0.9	2012-01-01	138.1	31.5	BBSR
496	-147.4	47.3	0.1	2012-01-01	138.1	31.5	TGUH
497	-159.9	52.7	0.2	2012-01-01	138.1	31.5	HKT
498	-130.0	18.6	0.4	2012-01-01	138.1	31.5	CPUP
499	-18.3	-7.4	-0.1	2012-01-15	-56.1	-61.0	BFO
500	-22.5	-0.8	-0.0	2012-01-15	-56.1	-61.0	KONO
501	-98.0	2.8	-0.5	2012-01-15	-56.1	-61.0	COLA
502	-96.9	-9.7	0.1	2012-01-15	-56.1	-61.0	COR
503	0.8	-14.3	-0.4	2012-01-15	-56.1	-61.0	ANTO
504	-23.9	-11.8	-0.2	2012-01-15	-56.1	-61.0	PAB

Measurement Index	Bounce Point (Longitude <sup>o</sup> )	Bounce Point (Latitude <sup>o</sup> )	$S_{LABS}$ Amplitude	Earthquake Date	Earthquake (Longitude <sup>o</sup> )	Earthquake (Latitude <sup>o</sup> )	Station Name
505	-18.1	4.9	0.2	2012-01-15	-56.1	-61.0	LVZ
506	-141.8	-51.8	0.0	2012-01-15	-56.1	-61.0	AFI
507	117.7	-43.9	0.0	2012-01-15	-56.1	-61.0	SSE
508	-107.3	-2.4	-0.1	2012-01-15	-56.1	-61.0	KDAK
509	-38.4	10.4	0.1	2012-01-15	-56.1	-61.0	KBS
510	-27.4	-3.2	0.1	2012-01-15	-56.1	-61.0	ESK
511	-4.9	-4.2	0.3	2012-01-15	-56.1	-61.0	OBN
512	157.9	27.8	-0.2	2012-02-02	167.1	-17.8	TIXI
513	-103.8	-14.9	-0.1	2012-02-02	167.1	-17.8	SACV
514	133.1	29.3	0.3	2012-02-02	167.1	-17.8	ARU
515	145.5	39.5	0.0	2012-02-02	167.1	-17.8	LVZ
516	-132.5	1.2	-0.0	2012-02-02	167.1	-17.8	SDDR
517	-129.7	0.3	0.4	2012-02-02	167.1	-17.8	SJG
518	173.9	48.2	-0.7	2012-02-02	167.1	-17.8	BORG
519	93.3	-51.9	0.4	2012-02-02	167.1	-17.8	TSUM
520	166.9	25.1	0.0	2012-02-02	167.1	-17.8	BILL
521	-141.2	1.9	0.1	2012-02-02	167.1	-17.8	TEIG
522	173.7	38.1	-0.7	2012-02-02	167.1	-17.8	ALE
523	159.1	-57.3	-0.0	2012-02-06	123.2	10.0	PLCA
524	169.8	50.2	0.3	2012-02-06	123.2	10.0	RSSD
525	76.4	-3.9	0.3	2012-02-06	123.2	10.0	LSZ
526	54.0	2.9	0.2	2012-02-06	123.2	10.0	ASCN
527	162.6	23.3	0.4	2012-02-26	96.0	51.7	RAR
528	111.5	-14.6	-0.9	2012-02-26	96.0	51.7	VNDA
529	-104.1	-47.3	-0.2	2012-03-03	170.3	-22.1	RCBR
530	107.7	-38.2	-0.3	2012-03-03	170.3	-22.1	ABPO
531	164.9	38.8	-0.1	2012-03-03	170.3	-22.1	KBS
532	177.3	35.7	0.4	2012-03-03	170.3	-22.1	ALE
533	152.2	41.0	0.0	2012-03-09	169.6	-19.1	KEV
534	-106.7	-44.9	-0.1	2012-03-09	169.6	-19.1	RCBR
535	101.4	-12.2	-0.2	2012-03-09	169.6	-19.1	FURI
536	164.2	40.3	-0.2	2012-03-09	169.6	-19.1	KBS
537	-132.1	-26.9	-0.3	2012-03-09	169.6	-19.1	NNA
538	10.1	73.5	0.6	2012-03-14	144.9	40.9	SACV
539	-162.5	-23.1	0.3	2012-03-14	144.9	40.9	EFI
540	-50.9	22.2	0.6	2012-03-20	-98.2	16.5	KOWA
541	-156.8	6.5	-1.0	2012-03-20	-98.2	16.5	PMG
542	-152.3	77.4	-0.3	2012-03-20	-98.2	16.5	LSA
543	-168.7	29.2	-0.1	2012-03-20	-98.2	16.5	DAV
544	-27.6	31.5	-0.2	2012-03-20	-98.2	16.5	FURI
545	-163.9	32.2	-0.4	2012-03-21	146.0	-6.2	WCI
546	-139.6	-27.9	-0.1	2012-03-21	146.0	-6.2	SAML
547	85.2	-27.3	-0.1	2012-03-21	146.0	-6.2	TSUM
548	-150.3	-54.5	0.1	2012-03-21	146.0	-6.2	CPUP
549	90.8	-29.2	0.3	2012-03-21	146.0	-6.2	LBTB
550	-29.7	22.4	0.1	2012-03-25	-72.2	-35.2	ARU
551	-145.2	2.5	-0.2	2012-03-25	-72.2	-35.2	MAJO
552	-119.0	19.1	-0.3	2012-03-25	-72.2	-35.2	PET
553	-59.4	25.2	-0.1	2012-03-25	-72.2	-35.2	KBS
554	122.7	-62.3	0.1	2012-03-25	-72.2	-35.2	QIZ
555	-128.8	18.2	0.4	2012-03-25	-72.2	-35.2	YSS

Measurement Index	Bounce Point (Longitude <sup>o</sup> )	Bounce Point (Latitude <sup>o</sup> )	$S_{LABS}$ Amplitude	Earthquake Date	Earthquake (Longitude <sup>o</sup> )	Earthquake (Latitude <sup>o</sup> )	Station Name
556	-175.9	50.3	-0.0	2012-04-11	-102.7	18.2	QIZ
557	-170.1	-4.0	0.2	2012-04-11	-102.7	18.2	MBWA
558	-117.3	-7.7	-0.1	2012-04-17	-71.4	-32.6	KIP
559	-18.3	26.3	-0.1	2012-04-17	-71.4	-32.6	MAKZ
560	-32.2	18.1	0.1	2012-04-17	-71.4	-32.6	OBN
561	-163.3	32.2	-0.1	2012-04-17	147.1	-5.5	WCI
562	-148.1	23.1	-0.0	2012-04-17	147.1	-5.5	GRTK
563	-162.4	-55.1	0.4	2012-04-17	147.1	-5.5	TRQA
564	166.0	-55.7	-0.0	2012-04-17	147.1	-5.5	PMSA
565	-155.4	39.8	0.1	2012-04-17	147.1	-5.5	BBSR
566	-162.2	30.0	0.4	2012-04-17	147.1	-5.5	WVT
567	71.8	2.5	-0.0	2012-04-17	147.1	-5.5	DBIC
568	-139.3	-25.8	0.1	2012-04-17	147.1	-5.5	SAML
569	-155.3	25.6	0.3	2012-04-17	147.1	-5.5	DWPF
570	-170.9	20.2	-0.2	2012-04-17	147.1	-5.5	PFO
571	-144.4	21.0	-0.1	2012-04-17	147.1	-5.5	SJG
572	-146.6	-22.3	0.0	2012-04-17	147.1	-5.5	NNA
573	-174.0	42.2	0.0	2012-04-21	134.3	-1.6	WCI
574	179.8	-56.8	0.6	2012-04-21	134.3	-1.6	PLCA
575	176.3	-63.0	0.3	2012-04-21	134.3	-1.6	TRQA
576	155.1	36.9	0.0	2012-04-21	134.3	-1.6	COLA
577	-152.1	-2.5	0.5	2012-04-21	134.3	-1.6	OTAV
578	178.7	37.4	-0.3	2012-04-21	134.3	-1.6	RSSD
579	-157.1	32.2	0.0	2012-04-21	134.3	-1.6	GTBY
580	121.8	-62.7	0.2	2012-04-21	134.3	-1.6	HOPE
581	-155.5	34.4	0.2	2012-04-21	134.3	-1.6	SDDR
582	-169.8	-65.2	0.2	2012-04-21	134.3	-1.6	CPUP
583	-179.6	50.3	0.1	2012-04-28	-174.7	-18.7	KONO
584	-143.7	9.5	-0.0	2012-04-28	-174.7	-18.7	ANMO
585	-140.3	54.0	-0.2	2012-04-28	-174.7	-18.7	PAB
586	-132.4	18.3	-0.1	2012-04-28	-174.7	-18.7	HRV
587	-167.1	36.1	0.2	2012-04-28	-174.7	-18.7	ALE
588	-127.2	20.5	0.2	2012-05-28	-63.1	-28.0	MAJO
589	-3.7	-4.0	0.3	2012-05-28	-63.1	-28.0	UOSS
590	89.3	-29.1	0.3	2012-07-28	153.2	-4.7	TSUM
591	-159.6	-43.1	-0.1	2012-08-26	126.8	2.2	LPAZ
592	79.9	-17.5	-1.2	2012-08-26	126.8	2.2	LBTB
593	165.9	-59.7	-0.4	2012-08-26	126.8	2.2	PLCA
594	80.9	-20.2	0.3	2012-08-26	126.8	2.2	BOSA
595	-139.6	24.7	-0.7	2012-08-27	-88.6	12.1	WAKE
596	-51.1	33.3	0.1	2012-08-30	-10.6	71.4	SAML
597	-159.1	34.4	0.1	2012-08-31	126.6	10.8	JTS
598	-55.8	62.6	-0.3	2012-09-05	-85.3	10.1	BRVK
599	-44.1	49.8	-0.2	2012-09-30	-76.4	1.9	ARU
600	-23.3	1.1	-0.2	2012-09-30	-76.4	1.9	MBAR
601	-33.7	-22.1	0.1	2012-09-30	-76.4	1.9	SUR
602	-119.1	-30.9	-0.4	2012-09-30	-76.4	1.9	SNZO
603	-29.4	-17.8	0.0	2012-09-30	-76.4	1.9	LBTB
604	-157.1	13.6	-0.2	2012-10-09	153.7	-60.3	SFJD
605	-152.5	-44.1	0.1	2012-10-12	134.0	-4.9	LPAZ
606	179.7	-59.2	0.1	2012-10-12	134.0	-4.9	PLCA

Measurement Index	Bounce Point (Longitude <sup>o</sup> )	Bounce Point (Latitude <sup>o</sup> )	$S_{LABS}$ Amplitude	Earthquake Date	Earthquake (Longitude <sup>o</sup> )	Earthquake (Latitude <sup>o</sup> )	Station Name
607	64.8	2.5	0.1	2012-10-12	134.0	-4.9	DBIC
608	-146.2	-39.0	-0.5	2012-10-12	134.0	-4.9	SAML
609	-151.8	-14.2	0.4	2012-10-24	-85.3	10.1	WRAB
610	-34.8	-15.9	-0.2	2012-10-24	-85.3	10.1	BOSA
611	-128.0	26.5	-0.0	2012-10-24	-85.3	10.1	MIDW
612	-160.7	29.5	0.1	2012-10-24	-85.3	10.1	DAV
613	107.0	-29.6	0.1	2012-11-11	95.9	23.0	VNDA
614	80.2	-43.5	0.2	2012-11-11	95.9	23.0	PMSA
615	49.9	86.2	-0.2	2012-11-11	95.9	23.0	DWPF
616	151.0	33.9	0.3	2012-11-11	95.9	23.0	POHA
617	-165.2	30.0	-0.2	2012-11-11	-92.2	14.1	DAV
618	-158.9	50.6	-0.2	2012-11-11	-92.2	14.1	TATO
619	-152.1	-32.1	0.1	2012-11-11	-92.2	14.1	NWAO
620	-151.3	-6.1	-0.0	2012-11-11	-92.2	14.1	CTAO
621	-162.3	-12.6	-0.4	2012-11-11	-92.2	14.1	MBWA
622	155.4	-20.3	0.1	2012-11-16	155.4	49.3	QSPA
623	64.8	-27.7	0.4	2012-12-10	129.8	-6.5	SHEL
624	80.5	-16.9	0.5	2012-12-10	129.8	-6.5	LSZ
625	58.4	-22.4	0.1	2012-12-10	129.8	-6.5	ASCN
626	161.6	42.0	-0.0	2012-12-21	167.3	-14.3	KBS
627	95.9	-49.0	0.1	2012-12-21	167.3	-14.3	TSUM
628	165.8	23.8	0.0	2013-01-05	-134.7	55.4	WRAB
629	-91.7	10.6	0.1	2013-01-05	-134.7	55.4	TRQA
630	-67.8	34.0	-0.0	2013-01-05	-134.7	55.4	RCBR
631	-127.9	21.9	-0.3	2013-01-30	-70.7	-28.1	ERM
632	-174.8	-50.6	0.1	2013-01-30	-70.7	-28.1	DAV
633	-19.2	33.0	0.2	2013-01-30	-70.7	-28.1	WMQ
634	-0.9	-32.8	0.2	2013-01-30	-70.7	-28.1	MSEY
635	-28.4	30.2	0.2	2013-01-30	-70.7	-28.1	BRVK
636	-146.5	14.1	-0.1	2013-01-30	-70.7	-28.1	SSE
637	35.2	-39.9	0.2	2013-01-30	-70.7	-28.1	CHTO
638	-126.3	-64.7	0.0	2013-01-30	-70.7	-28.1	TAU
639	87.5	17.5	0.0	2013-02-02	143.1	42.8	ABPO
640	-149.0	22.2	0.2	2013-02-07	165.7	-11.0	WCI
641	100.4	-13.7	-0.3	2013-02-07	165.7	-11.0	KMBO
642	-169.7	-54.6	0.1	2013-02-07	165.7	-11.0	PMSA
643	110.0	-13.5	-0.0	2013-02-07	165.7	-11.0	MSEY
644	-142.5	15.2	0.3	2013-02-07	165.7	-11.0	DWPF
645	114.2	11.9	0.3	2013-02-07	165.7	-11.0	UOSS
646	-148.8	22.2	0.2	2013-02-08	166.0	-10.8	WCI
647	-132.4	-27.9	-0.0	2013-02-08	166.0	-10.8	LPAZ
648	133.1	23.3	0.0	2013-02-08	166.0	-10.8	MAKZ
649	-145.8	-44.8	-0.2	2013-02-08	166.0	-10.8	PLCA
650	-136.7	8.9	-0.6	2013-02-08	166.0	-10.8	GTBY
651	-132.0	-2.1	-0.1	2013-02-08	166.0	-10.8	SDV
652	134.0	26.1	0.1	2013-02-08	166.0	-10.8	KURK
653	98.4	-32.8	0.2	2013-02-08	166.0	-10.8	LSZ
654	-147.6	26.2	0.3	2013-02-08	166.0	-10.8	SSPA
655	-134.7	8.4	-0.4	2013-02-08	166.0	-10.8	SDDR
656	-132.0	8.2	-0.7	2013-02-08	166.0	-10.8	SJG
657	-137.4	7.0	-0.3	2013-02-08	166.0	-10.8	MTDJ

Measurement Index	Bounce Point (Longitude <sup>o</sup> )	Bounce Point (Latitude <sup>o</sup> )	$S_{LABS}$ Amplitude	Earthquake Date	Earthquake (Longitude <sup>o</sup> )	Earthquake (Latitude <sup>o</sup> )	Station Name
658	-142.9	7.7	-0.1	2013-02-08	166.0	-10.8	TEIG
659	-132.3	-42.1	0.1	2013-02-08	166.0	-10.8	CPUP
660	-163.1	29.2	0.5	2013-02-08	166.0	-10.9	FFC
661	-136.7	8.8	0.6	2013-02-08	166.0	-10.9	GTBY
662	134.0	26.1	0.2	2013-02-08	166.0	-10.9	KURK
663	130.5	39.7	0.3	2013-02-08	166.0	-10.9	OBN
664	-89.0	-46.0	0.0	2013-02-09	-77.4	1.1	VNDA
665	-26.4	-11.5	-0.0	2013-02-09	-77.4	1.1	LSZ
666	-20.9	24.4	0.4	2013-02-09	-77.4	1.1	RAYN
667	-124.0	-43.0	0.5	2013-02-09	-77.4	1.1	TAU
668	-29.9	-18.6	-0.0	2013-02-09	-77.4	1.1	LBTB
669	-135.6	10.9	0.2	2013-02-09	165.7	-11.0	GRTK
670	-169.6	-54.6	-0.0	2013-02-09	165.7	-11.0	PMSA
671	-142.5	15.2	0.2	2013-02-09	165.7	-11.0	DWPF
672	-147.8	26.2	-0.0	2013-02-09	165.7	-11.0	SSPA
673	95.6	-44.5	-0.2	2013-02-09	165.7	-11.0	TSUM
674	-153.9	8.5	-0.1	2013-02-09	165.7	-11.0	SLBS
675	102.0	-43.5	0.2	2013-02-09	165.7	-11.0	LBTB
676	-134.5	28.8	-0.1	2013-02-14	142.5	67.6	RPN
677	-34.6	29.0	-0.5	2013-02-14	142.5	67.6	HOPE
678	-34.9	53.3	0.4	2013-02-14	142.5	67.6	RCBR
679	-125.0	12.3	0.3	2013-02-28	157.3	51.0	PLCA
680	-56.6	59.0	-0.0	2013-02-28	157.3	51.0	RCBR
681	-170.5	-26.0	-0.2	2013-04-06	138.5	-3.5	RPN
682	69.9	-29.1	0.3	2013-04-06	138.5	-3.5	SHEL
683	87.7	-31.7	0.1	2013-04-06	138.5	-3.5	SUR
684	-154.5	-44.0	0.2	2013-04-06	138.5	-3.5	LVC
685	63.1	-23.1	0.1	2013-04-06	138.5	-3.5	ASCN
686	-160.9	-61.0	0.4	2013-04-06	138.5	-3.5	CPUP
687	169.5	-64.7	-0.2	2013-04-14	154.6	-6.5	HOPE
688	75.0	0.5	-0.2	2013-04-14	154.6	-6.5	DBIC
689	-149.9	22.0	-0.6	2013-04-14	154.6	-6.5	DWPF
690	-151.3	24.4	0.0	2013-04-16	142.5	-3.2	GTBY
691	83.2	-23.2	0.0	2013-04-16	142.5	-3.2	TSUM
692	156.7	36.4	0.0	2013-04-20	102.9	30.3	POHA
693	-158.5	-46.8	0.2	2013-04-23	152.1	-3.9	PLCA
694	-164.0	23.5	-0.1	2013-04-23	152.1	-3.9	ANMO
695	96.0	-32.9	0.5	2013-04-23	152.1	-3.9	BOSA
696	-123.1	-50.5	0.1	2013-04-23	152.1	-3.9	RCBR
697	92.0	-19.8	-0.3	2013-04-23	152.1	-3.9	LSZ
698	-151.6	25.3	-0.1	2013-04-23	152.1	-3.9	DWPF
699	88.6	-27.8	-0.0	2013-04-23	152.1	-3.9	TSUM
700	94.3	-29.7	0.4	2013-04-23	152.1	-3.9	LBTB
701	-164.7	50.1	0.2	2013-05-14	145.3	18.7	WCI
702	178.5	50.2	-0.4	2013-05-14	145.3	18.7	FFC
703	69.6	6.0	0.2	2013-05-14	145.3	18.7	SHEL
704	-136.8	10.4	0.1	2013-05-23	-177.2	-23.0	WCI
705	-124.2	-1.5	-0.0	2013-05-23	-177.2	-23.0	GRTK
706	104.9	-21.9	-0.8	2013-05-23	-177.2	-23.0	FURI
707	51.8	-22.7	0.0	2013-06-13	107.2	-10.0	SHEL
708	-153.1	-11.4	0.3	2013-06-15	-86.9	11.8	WRAB

Measurement Index	Bounce Point (Longitude <sup>o</sup> )	Bounce Point (Latitude <sup>o</sup> )	$S_{LABS}$ Amplitude	Earthquake Date	Earthquake (Longitude <sup>o</sup> )	Earthquake (Latitude <sup>o</sup> )	Station Name
709	-49.1	-45.0	0.6	2013-06-24	-42.6	10.7	VNDA
710	-26.4	-48.3	-0.2	2013-06-24	-42.6	10.7	CASY
711	-42.6	-39.7	0.2	2013-06-24	-42.6	10.7	QSPA
712	-108.1	9.2	0.0	2013-06-24	-42.6	10.7	KNTN
713	81.2	-44.5	0.0	2013-07-07	153.9	-3.9	SHEL
714	-133.8	-8.0	-0.1	2013-07-07	153.9	-3.9	PTGA
715	179.4	-54.0	0.3	2013-07-15	-25.1	-60.9	KWAJ
716	-134.3	-2.7	0.5	2013-07-21	174.3	-41.7	WCI
717	157.4	10.9	0.1	2013-07-21	174.3	-41.7	YAK
718	147.2	34.1	0.0	2013-07-21	174.3	-41.7	KONO
719	-150.4	8.6	0.2	2013-07-21	174.3	-41.7	FFC
720	-134.2	-4.3	0.1	2013-07-21	174.3	-41.7	WVT
721	-131.2	-0.9	-0.2	2013-07-21	174.3	-41.7	SSPA
722	87.7	-36.5	0.1	2013-07-21	174.3	-41.7	FURI
723	-136.8	-2.7	-0.1	2013-07-21	174.3	-41.7	CCM
724	-31.0	-18.0	0.3	2013-08-13	-78.2	5.8	BOSA
725	-26.2	46.0	-0.6	2013-08-13	-78.2	5.8	ABKT
726	-45.6	53.0	0.3	2013-08-13	-78.2	5.8	ARU
727	-18.3	-14.2	-0.5	2013-08-13	-78.2	5.8	ABPO
728	-132.8	6.1	-0.4	2013-08-13	-78.2	5.8	TARA
729	-134.3	-2.7	0.5	2013-08-16	174.2	-41.7	WCI
730	-150.4	8.6	0.6	2013-08-16	174.2	-41.7	FFC
731	-145.9	1.6	0.1	2013-08-16	174.2	-41.7	RSSD
732	-107.0	-39.4	0.3	2013-08-16	174.2	-41.7	PTGA
733	146.2	26.6	0.1	2013-08-16	174.2	-41.7	LVZ
734	-134.2	-4.3	-0.0	2013-08-16	174.2	-41.7	WVT
735	-82.9	-56.3	0.2	2013-08-16	174.2	-41.7	RCBR
736	-38.0	-71.1	0.4	2013-08-16	174.2	-41.7	ASCN
737	142.6	6.0	-0.3	2013-08-16	174.2	-41.7	TLY
738	-129.7	-16.0	-0.0	2013-08-16	174.2	-41.7	TEIG
739	-134.9	-11.2	0.2	2013-08-30	-175.4	51.6	PMSA
740	-120.8	32.3	0.4	2013-08-30	-175.4	51.6	PAYG
741	-156.9	-55.7	-0.2	2013-09-01	128.2	-7.4	LPAZ
742	176.1	57.9	-0.3	2013-09-01	128.2	-7.4	BBSR
743	-164.2	-60.2	0.2	2013-09-01	128.2	-7.4	LVC
744	-149.0	-55.4	-0.1	2013-09-01	128.2	-7.4	SAML
745	-120.6	32.2	0.1	2013-09-04	-174.7	51.6	PAYG
746	-174.8	-19.2	0.2	2013-09-04	-174.7	51.6	QSPA
747	-122.7	9.8	0.3	2013-09-25	-74.6	-15.8	MIDW
748	-16.6	47.4	-0.1	2013-09-28	65.6	27.3	BCIP
749	8.7	-17.3	0.1	2013-09-28	65.6	27.3	PLCA
750	-22.2	0.6	-0.0	2013-09-28	65.6	27.3	RPN
751	-27.6	47.3	-0.1	2013-09-28	65.6	27.3	PAYG
752	131.4	13.6	-0.1	2013-09-28	65.6	27.3	AFI
753	-148.9	14.7	0.6	2013-09-30	-178.4	-30.9	FFC
754	-111.6	14.0	-0.0	2013-09-30	-178.4	-30.9	CMLA
755	-132.4	7.5	0.3	2013-09-30	-178.4	-30.9	SSPA
756	-130.8	9.5	-0.0	2013-09-30	-178.4	-30.9	HRV
757	-158.6	38.2	0.2	2013-09-30	-178.4	-30.9	BORG
758	60.7	-7.1	0.4	2013-10-15	124.1	9.9	SHEL
759	130.2	-52.3	-0.2	2013-10-15	124.1	9.9	PMSA

Measurement Index	Bounce Point (Longitude <sup>o</sup> )	Bounce Point (Latitude <sup>o</sup> )	$S_{LABS}$ Amplitude	Earthquake Date	Earthquake (Longitude <sup>o</sup> )	Earthquake (Latitude <sup>o</sup> )	Station Name
760	72.5	-7.8	0.5	2013-10-15	124.1	9.9	TSUM
761	175.8	50.4	0.5	2013-10-19	-110.3	26.1	QIZ
762	168.6	58.4	0.3	2013-10-19	-110.3	26.1	CHTO
763	-26.1	49.3	0.1	2013-10-19	-110.3	26.1	FURI
764	-123.0	-29.6	0.2	2013-10-19	-110.3	26.1	SBA
765	-124.0	-40.0	-0.1	2013-10-24	-12.8	-58.1	POHA
766	-133.1	47.6	0.2	2013-10-25	144.7	37.2	BCIP
767	-158.2	8.3	-0.2	2013-10-25	144.7	37.2	RPN
768	-130.6	18.5	-0.8	2013-10-31	-71.6	-30.3	ERM
769	-158.9	-64.1	0.2	2013-10-31	-71.6	-30.3	WRAB
770	168.4	-69.2	-0.4	2013-10-31	-71.6	-30.3	KAPI
771	-153.0	3.6	-0.3	2013-10-31	-71.6	-30.3	SSE
772	-125.6	-32.3	0.1	2013-10-31	-71.6	-30.3	AFI
773	42.5	-46.7	-0.1	2013-10-31	-71.6	-30.3	CHTO
774	-149.5	-55.3	-0.6	2013-10-31	-71.6	-30.3	CTAO
775	-20.9	-11.1	-0.9	2013-11-16	-47.1	-60.3	PAB
776	26.9	-43.2	0.0	2013-11-16	-47.1	-60.3	MSEY
777	-124.9	-9.5	-0.7	2013-11-16	-47.1	-60.3	ADK
778	-35.2	2.3	-0.7	2013-11-16	-47.1	-60.3	BORG
779	-31.6	10.4	-0.1	2013-11-16	-47.1	-60.3	KBS
780	140.2	20.3	-0.1	2013-11-23	-176.5	-17.1	AAK
781	-126.8	12.8	0.4	2013-11-23	-176.5	-17.1	BBSR
782	109.0	-13.6	0.1	2013-11-23	-176.5	-17.1	FURI
783	-171.9	-28.2	0.1	2013-11-25	-55.0	-53.9	ERM
784	71.0	-42.2	-0.0	2013-11-25	-55.0	-53.9	KMI
785	-92.8	-5.7	-0.3	2013-11-25	-55.0	-53.9	COR
786	3.6	-10.5	-0.4	2013-11-25	-55.0	-53.9	GNI
787	-26.7	10.2	0.3	2013-11-25	-55.0	-53.9	KEV
788	-120.8	-24.9	0.8	2013-11-25	-55.0	-53.9	POHA
789	-91.5	-11.8	0.3	2013-11-25	-55.0	-53.9	PFO
790	-118.3	-2.1	0.1	2013-11-25	-55.0	-53.9	ADK
791	115.1	-50.3	-0.0	2013-11-25	-55.0	-53.9	TATO
792	97.4	-19.0	0.1	2014-01-01	167.2	-13.9	MBAR
793	-134.1	3.7	0.4	2014-02-02	-177.9	-32.9	WCI
794	-121.1	-0.6	-0.3	2014-02-02	-177.9	-32.9	BBSR
795	-128.1	39.3	-0.3	2014-02-02	-177.9	-32.9	PAB
796	109.3	-36.8	0.1	2014-02-02	-177.9	-32.9	MSEY
797	96.7	-33.4	-0.3	2014-02-02	-177.9	-32.9	FURI
798	100.5	-18.7	-0.1	2014-02-07	167.4	-15.1	KMBO
799	161.7	41.9	0.1	2014-02-07	167.4	-15.1	KBS
800	102.2	-47.9	0.3	2014-02-07	167.4	-15.1	LBTB
801	7.3	82.6	-0.1	2014-02-12	82.6	35.9	WCI
802	-1.4	83.4	-0.1	2014-02-12	82.6	35.9	WVT
803	143.3	26.0	0.1	2014-02-12	82.6	35.9	KNTN
804	-135.2	-21.5	-0.1	2014-02-18	-58.9	14.7	WRAB
805	-152.3	51.6	-0.1	2014-03-02	127.4	27.4	TGUH
806	-95.4	-6.5	-0.4	2014-03-10	-125.1	40.8	EFI
807	-53.9	23.2	0.4	2014-03-10	-125.1	40.8	SHEL
808	-58.8	27.1	0.2	2014-03-10	-125.1	40.8	ASCN
809	-168.0	-1.4	0.3	2014-03-10	-125.1	40.8	TAU
810	-35.7	29.6	-0.1	2014-03-10	-125.1	40.8	TSUM

Measurement Index	Bounce Point (Longitude <sup>o</sup> )	Bounce Point (Latitude <sup>o</sup> )	$S_{LABS}$ Amplitude	Earthquake Date	Earthquake (Longitude <sup>o</sup> )	Earthquake (Latitude <sup>o</sup> )	Station Name
811	-14.3	-17.6	-0.2	2014-03-16	-70.7	-20.0	KMBO
812	-31.5	40.2	-0.5	2014-03-16	-70.7	-20.0	KURK
813	-130.7	40.6	-0.1	2014-03-16	-70.7	-20.0	SSE
814	-11.5	-34.5	-0.2	2014-03-16	-70.7	-20.0	ABPO
815	-121.8	-60.5	-0.1	2014-03-16	-70.7	-20.0	TAU
816	-26.1	42.8	0.1	2014-03-16	-70.7	-20.0	WMQ
817	-39.1	17.7	-0.2	2014-04-03	-70.6	-20.3	BFO
818	-26.9	39.9	-0.1	2014-04-03	-70.6	-20.3	MAKZ
819	-19.1	31.5	0.0	2014-04-03	-70.6	-20.3	AAK
820	-31.8	36.7	0.1	2014-04-03	-70.6	-20.3	BRVK
821	-161.1	31.3	-0.6	2014-04-11	-85.9	11.6	DAV
822	-22.0	-9.1	0.0	2014-04-11	-85.9	11.6	ABPO
823	-56.9	63.4	-0.2	2014-04-11	-85.9	11.6	BRVK
824	-139.6	49.0	0.4	2014-04-11	-85.9	11.6	MAJO
825	-147.0	-9.4	-0.0	2014-04-11	-85.9	11.6	CTAO
826	-133.9	-2.7	-0.0	2014-04-12	162.2	-11.3	SDV
827	-114.4	-43.8	0.1	2014-04-12	162.2	-11.3	RCBR
828	96.3	-31.1	0.1	2014-04-12	162.2	-11.3	LSZ
829	106.4	-26.7	0.1	2014-04-12	162.2	-11.3	ABPO
830	-134.1	8.3	0.3	2014-04-12	162.2	-11.3	SJG
831	164.8	51.9	0.4	2014-04-12	162.2	-11.3	BORG
832	-132.0	8.2	-0.1	2014-04-13	162.1	-11.5	ANWB
833	-139.4	6.8	0.2	2014-04-13	162.1	-11.5	MTDJ
834	95.2	-56.2	0.1	2014-04-15	8.7	-53.5	WRAB
835	111.0	-55.3	-0.0	2014-04-15	8.7	-53.5	PMG
836	-30.7	20.9	-0.5	2014-04-15	8.7	-53.5	COLA
837	-166.7	-54.9	-0.1	2014-04-15	8.7	-53.5	JOHN
838	-131.9	-49.2	0.0	2014-04-15	8.7	-53.5	POHA
839	117.4	-15.6	0.0	2014-04-15	8.7	-53.5	ADK
840	84.9	-8.2	0.2	2014-04-15	8.7	-53.5	YSS
841	82.4	-23.7	0.2	2014-04-15	8.7	-53.5	TATO
842	-158.3	7.1	-0.8	2014-04-18	-101.0	17.4	PMG
843	92.6	-7.7	-0.5	2014-04-19	155.1	-6.7	MBAR
844	177.1	-54.9	0.2	2014-04-19	155.1	-6.7	PMSA
845	-139.0	15.7	0.1	2014-04-19	155.0	-6.8	SJG
846	-156.8	11.2	-0.1	2014-04-24	-127.7	49.6	RAO
847	171.4	21.6	0.3	2014-04-24	-127.7	49.6	WRAB
848	-96.7	5.1	0.4	2014-04-24	-127.7	49.6	PLCA
849	-127.8	-20.2	-0.9	2014-04-24	-127.7	49.6	QSPA
850	130.1	15.3	0.0	2014-05-01	170.3	-21.4	AAK
851	165.0	38.9	0.1	2014-05-01	170.3	-21.4	KBS
852	166.9	45.2	-0.6	2014-05-04	179.1	-24.6	KONO
853	159.8	37.0	0.2	2014-05-04	179.1	-24.6	LVZ
854	103.8	-22.5	0.0	2014-05-04	179.1	-24.6	FURI
855	-26.6	58.5	0.1	2014-05-13	-82.3	7.2	NIL
856	-158.4	27.5	-0.3	2014-05-13	-82.3	7.2	DAV
857	56.0	-60.1	-0.1	2014-06-14	91.1	-10.1	EFI
858	139.8	5.1	-0.1	2014-06-14	91.1	-10.1	JOHN
859	-134.9	5.9	-0.5	2014-06-23	-177.7	-30.0	WCI
860	-112.1	15.6	0.4	2014-06-23	-177.7	-30.0	CMLA
861	-132.3	8.2	-0.2	2014-06-23	-177.7	-30.0	SSPA

Measurement Index	Bounce Point (Longitude <sup>o</sup> )	Bounce Point (Latitude <sup>o</sup> )	$S_{LABS}$ Amplitude	Earthquake Date	Earthquake (Longitude <sup>o</sup> )	Earthquake (Latitude <sup>o</sup> )	Station Name
862	50.9	-9.8	-0.0	2014-06-29	-28.4	-55.5	ULN
863	27.4	-37.1	0.1	2014-06-29	-28.4	-55.5	MSEY
864	62.1	-33.7	0.0	2014-06-29	-28.4	-55.5	CHTO
865	-118.4	-20.8	-0.0	2014-06-29	-175.5	-15.0	SAML
866	-158.5	29.6	-0.8	2014-07-04	152.8	-6.2	WCI
867	88.8	-30.6	0.2	2014-07-04	152.8	-6.2	TSUM
868	-172.6	-30.7	-0.0	2014-07-11	142.4	37.0	EFI
869	-138.0	46.7	-0.1	2014-07-11	142.4	37.0	JTS
870	-104.7	-35.5	-0.2	2014-07-21	-178.4	-19.8	RCBR
871	164.9	-53.1	0.2	2014-08-03	146.2	0.8	PMSA
872	-168.4	25.4	0.3	2014-08-03	146.2	0.8	TUC
873	-118.5	-42.8	-0.4	2014-08-24	-73.6	-14.6	SNZO
874	-23.1	-22.9	0.1	2014-08-24	-73.6	-14.6	LSZ
875	-14.7	-31.4	-0.0	2014-08-24	-73.6	-14.6	ABPO
876	-123.0	17.1	0.0	2014-10-09	-110.8	-32.1	COLA
877	-143.7	19.7	0.6	2014-10-09	-110.8	-32.1	MA2
878	-36.1	-14.3	0.1	2014-10-14	-88.1	12.5	BOSA
879	-162.7	30.8	-0.6	2014-10-14	-88.1	12.5	DAV
880	-142.0	48.5	0.1	2014-10-14	-88.1	12.5	MAJO
881	-155.2	52.7	0.3	2014-10-14	-88.1	12.5	TATO
882	-126.1	0.9	-0.0	2014-11-01	-177.8	-19.7	GRTK
883	133.4	29.6	0.2	2014-11-01	-177.8	-19.7	KIV
884	143.9	19.4	-0.4	2014-11-01	-177.8	-19.7	MAKZ
885	101.0	-36.0	-0.3	2014-11-01	-177.8	-19.7	MBAR
886	139.0	17.9	-0.0	2014-11-01	-177.8	-19.7	AAK
887	153.0	16.3	-0.4	2014-11-01	-177.8	-19.7	ULN
888	147.2	31.4	0.5	2014-11-01	-177.8	-19.7	ARU
889	145.3	26.0	-0.0	2014-11-01	-177.8	-19.7	BRVK
890	107.4	-17.1	-0.1	2014-11-01	-177.8	-19.7	FURI
891	-134.9	17.5	0.1	2014-11-01	-177.8	-19.7	HRV
892	75.6	-40.6	0.2	2014-11-07	148.2	-6.0	SHEL
893	67.8	-38.9	0.0	2014-11-07	148.2	-6.0	ASCN
894	-148.4	10.8	0.1	2014-11-16	179.7	-37.6	FFC
895	-153.5	3.9	0.0	2014-11-16	179.7	-37.6	COR
896	-103.2	0.2	-0.2	2014-11-16	179.7	-37.6	CMLA
897	102.2	-52.7	-0.1	2014-11-16	179.7	-37.6	ABPO
898	-127.3	-7.3	0.2	2014-11-16	179.7	-37.6	DWPF
899	-130.7	2.4	0.5	2014-11-16	179.7	-37.6	SSPA
900	91.9	-36.3	-0.5	2014-11-16	179.7	-37.6	FURI
901	-135.8	-5.2	0.2	2014-11-16	179.7	-37.6	HKT
902	-173.1	43.2	0.2	2014-11-16	179.7	-37.6	ESK
903	-179.9	43.2	-0.2	2014-12-02	123.1	6.2	HKT
904	92.3	-7.5	0.0	2014-12-07	154.5	-6.5	MBAR
905	-94.9	-43.4	0.4	2015-01-07	-82.7	5.9	VNDA
906	-33.6	-18.8	-0.1	2015-01-07	-82.7	5.9	BOSA
907	147.5	39.8	0.2	2015-01-23	168.5	-17.0	LVZ
908	-126.1	-27.9	0.2	2015-01-23	168.5	-17.0	SAML
909	-145.2	20.2	0.5	2015-01-23	168.5	-17.0	SSPA
910	175.0	37.8	0.0	2015-01-23	168.5	-17.0	ALE
911	132.4	36.0	-0.3	2015-01-23	168.5	-17.0	OBN
912	-144.6	23.4	-0.0	2015-01-23	168.5	-17.0	HRV

Measurement Index	Bounce Point (Longitude <sup>o</sup> )	Bounce Point (Latitude <sup>o</sup> )	$S_{LABS}$ Amplitude	Earthquake Date	Earthquake (Longitude <sup>o</sup> )	Earthquake (Latitude <sup>o</sup> )	Station Name
913	-148.5	15.7	0.2	2015-01-23	168.5	-17.0	CCM
914	176.2	48.0	0.3	2015-01-23	168.5	-17.0	BORG
915	-43.4	29.5	0.5	2015-02-11	-66.7	-23.1	LVZ
916	-124.9	41.8	0.2	2015-02-11	-66.7	-23.1	SSE
917	-95.3	21.9	-0.0	2015-02-11	-66.7	-23.1	KDAK
918	-171.0	44.9	-0.2	2015-02-27	122.5	-7.3	GRTK
919	-167.7	35.0	0.1	2015-02-27	122.5	-7.3	GTBY
920	160.1	7.5	-0.1	2015-02-27	122.5	-7.3	POHA
921	-170.2	22.6	-0.1	2015-02-27	122.5	-7.3	TEIG
922	-140.8	19.4	0.2	2015-03-29	152.6	-4.7	SJG
923	103.9	-34.4	-0.1	2015-03-30	-173.0	-15.5	MBAR
924	-159.1	53.1	0.3	2015-03-30	-173.0	-15.5	ESK
925	172.5	51.6	0.1	2015-04-17	-178.6	-15.9	KONO
926	-123.6	-5.9	0.2	2015-04-17	-178.6	-15.9	SDV
927	146.3	34.7	0.1	2015-04-17	-178.6	-15.9	ARU
928	-132.7	-1.3	-0.1	2015-04-17	-178.6	-15.9	TGUH
929	-136.4	18.8	0.3	2015-04-17	-178.6	-15.9	SSPA
930	-139.2	20.2	0.3	2015-05-05	151.9	-5.5	ANWB
931	-155.9	-47.8	-0.1	2015-05-07	154.6	-7.2	PLCA
932	-119.8	-51.4	-0.2	2015-05-07	154.6	-7.2	RCBR
933	-147.4	6.6	0.2	2015-05-07	154.6	-7.2	TGUH
934	-133.2	16.8	0.1	2015-05-12	142.0	38.9	LCO
935	-129.6	44.3	0.6	2015-05-12	142.0	38.9	OTAV
936	137.6	-43.2	0.0	2015-05-12	142.0	38.9	HOPE
937	-139.3	49.3	-0.3	2015-05-12	142.0	38.9	TGUH
938	-105.7	-8.7	0.2	2015-05-19	-132.2	-54.3	WCI
939	112.6	-33.2	-0.5	2015-05-19	-132.2	-54.3	NIL
940	-40.8	-41.4	0.3	2015-05-19	-132.2	-54.3	DBIC
941	-50.0	-47.1	-0.0	2015-05-19	-132.2	-54.3	ASCN
942	-122.9	-10.5	-0.2	2015-05-19	-132.2	-54.3	PFO
943	-108.5	-8.7	0.2	2015-05-19	-132.2	-54.3	CCM
944	41.4	-51.0	0.1	2015-05-19	-132.2	-54.3	RAYN
945	-16.1	-65.1	0.2	2015-05-19	-132.2	-54.3	TSUM
946	173.9	-25.8	-0.1	2015-05-19	-132.2	-54.3	GUMO
947	103.2	-45.3	0.0	2015-05-20	164.2	-10.9	BOSA
948	-132.9	-2.2	0.1	2015-05-20	164.2	-10.9	SDV
949	-142.1	2.7	-0.5	2015-05-20	164.2	-10.9	TGUH
950	-148.9	26.7	0.2	2015-05-20	164.2	-10.9	SSPA
951	-160.1	14.6	0.2	2015-05-20	164.2	-10.9	PFO
952	-154.8	8.7	0.2	2015-05-20	164.2	-10.9	SLBS
953	-164.8	29.6	0.3	2015-05-22	163.7	-11.1	FFC
954	107.2	-27.0	0.2	2015-05-22	163.7	-11.1	ABPO
955	-143.7	15.5	0.0	2015-05-22	163.7	-11.1	DWPF
956	-149.2	26.8	0.1	2015-05-22	163.7	-11.1	SSPA
957	-160.3	14.5	0.1	2015-05-22	163.7	-11.1	PFO
958	-135.9	8.5	0.3	2015-05-22	163.7	-11.1	SDDR
959	-155.0	8.6	-0.0	2015-05-22	163.7	-11.1	SLBS
960	-150.6	22.7	-0.2	2015-05-22	163.2	-11.1	WCI
961	95.8	-14.3	-0.0	2015-05-22	163.2	-11.1	MBAR
962	-138.2	9.0	0.5	2015-05-22	163.2	-11.1	GTBY
963	-178.5	46.4	0.1	2015-05-22	163.2	-11.1	SFJD

Measurement Index	Bounce Point (Longitude <sup>o</sup> )	Bounce Point (Latitude <sup>o</sup> )	$S_{LABS}$ Amplitude	Earthquake Date	Earthquake (Longitude <sup>o</sup> )	Earthquake (Latitude <sup>o</sup> )	Station Name
964	169.2	41.7	0.1	2015-05-22	163.2	-11.1	ALE
965	149.5	15.9	-0.3	2015-05-29	-156.5	56.7	NWAO
966	85.1	0.5	-0.4	2015-05-30	140.5	27.8	BOSA
967	-137.4	5.6	0.0	2015-05-30	140.5	27.8	CPUP
968	83.6	-3.8	-0.3	2015-06-23	139.7	27.7	SUR
969	-153.4	23.3	0.1	2015-07-10	158.4	-9.3	WVT
970	-132.3	-24.4	0.3	2015-07-10	158.4	-9.3	SAML
971	94.7	-27.4	0.3	2015-07-10	158.4	-9.3	LSZ
972	104.6	-24.1	-0.3	2015-07-10	158.4	-9.3	ABPO
973	-147.1	18.3	-0.2	2015-07-10	158.4	-9.3	DWPF
974	-153.5	30.0	-0.5	2015-07-10	158.4	-9.3	SSPA
975	-146.5	-44.8	0.1	2015-07-18	165.1	-10.4	PLCA
976	-139.1	24.4	-0.0	2015-07-18	165.1	-10.4	BBSR
977	109.8	-12.9	0.4	2015-07-18	165.1	-10.4	MSEY
978	108.1	-27.0	0.4	2015-07-18	165.1	-10.4	ABPO
979	-148.3	26.8	0.3	2015-07-18	165.1	-10.4	SSPA
980	-105.9	-2.3	0.4	2015-07-27	-169.4	52.4	HOPE
981	-170.2	38.9	0.2	2015-07-27	138.5	-2.6	WCI
982	-154.1	23.8	0.2	2015-07-27	138.5	-2.6	MTDJ
983	-136.2	-0.6	0.4	2015-08-10	158.1	-9.3	SDV
984	100.7	-45.7	0.2	2015-08-10	158.1	-9.3	SUR
985	94.6	-27.2	0.2	2015-08-10	158.1	-9.3	LSZ
986	-147.3	18.3	0.2	2015-08-10	158.1	-9.3	DWPF
987	-143.7	0.9	-0.3	2015-08-12	157.9	-9.3	JTS
988	-129.9	-15.2	0.3	2015-08-12	157.9	-9.3	PTGA
989	-145.7	-8.9	-0.2	2015-08-12	157.9	-9.3	PAYG
990	-147.4	18.4	-0.3	2015-08-12	157.9	-9.3	DWPF
991	70.2	-66.0	0.1	2015-08-12	157.9	-9.3	ASCN
992	-89.0	-14.7	-0.2	2015-09-13	-109.4	25.1	EFI
993	179.3	22.7	-0.3	2015-09-13	-109.4	25.1	KAPI
994	-176.1	57.3	0.1	2015-09-13	-109.4	25.1	ENH
995	-152.5	50.3	-0.2	2015-09-13	-109.4	25.1	YSS
996	0.9	-36.0	-0.2	2015-09-21	-71.4	-31.7	MSEY
997	13.6	-48.1	-0.6	2015-09-21	-71.4	-31.7	DGAR
998	-129.8	-66.0	0.3	2015-09-21	-71.4	-31.7	TAU
999	-155.6	15.6	-0.0	2015-09-24	131.3	-0.6	BCIP
1000	-155.3	-41.2	0.3	2015-09-24	131.3	-0.6	LPAZ
1001	-126.8	-3.4	-0.1	2015-10-20	167.3	-14.9	GRGR
1002	-135.6	4.8	0.5	2015-10-20	167.3	-14.9	GTBY
1003	-136.9	19.0	0.3	2015-10-20	167.3	-14.9	BBSR
1004	134.8	23.6	0.1	2015-10-20	167.3	-14.9	KURK
1005	98.3	-37.6	0.1	2015-10-20	167.3	-14.9	LSZ
1006	-141.2	11.4	0.4	2015-10-20	167.3	-14.9	DWPF
1007	-130.7	3.5	-0.2	2015-10-20	167.3	-14.9	SJG
1008	39.6	-27.2	-0.2	2015-10-26	70.4	36.5	PMSA
1009	70.5	-26.1	-0.0	2015-10-26	70.4	36.5	QSPA
1010	176.9	42.5	0.1	2015-11-04	124.9	-8.3	WCI
1011	61.8	7.1	0.0	2015-11-04	124.9	-8.3	KOWA
1012	-147.6	5.8	0.4	2015-11-13	128.9	31.0	LCO
1013	-170.6	-25.4	-0.1	2015-11-13	128.9	31.0	PLCA
1014	82.0	-57.9	0.2	2015-11-18	158.4	-8.9	SHEL

Measurement Index	Bounce Point (Longitude <sup>o</sup> )	Bounce Point (Latitude <sup>o</sup> )	$S_{LABS}$ Amplitude	Earthquake Date	Earthquake (Longitude <sup>o</sup> )	Earthquake (Latitude <sup>o</sup> )	Station Name
1015	-147.2	18.6	-0.3	2015-11-18	158.4	-8.9	DWPF
1016	163.9	43.1	0.1	2015-11-18	158.4	-8.9	ALE
1017	88.0	-24.1	0.0	2015-12-07	72.8	38.2	SBA
1018	-157.8	26.4	0.1	2016-01-11	126.9	3.9	BCIP
1019	79.6	-16.3	-0.2	2016-01-11	126.9	3.9	LBTB
1020	-177.0	17.0	-0.1	2016-01-21	-106.9	18.8	KAPI
1021	-178.4	47.4	0.5	2016-01-21	-106.9	18.8	QIZ
1022	-54.2	19.8	-0.2	2016-01-21	-106.9	18.8	DBIC
1023	-30.0	-0.4	0.2	2016-01-21	-106.9	18.8	ABPO
1024	82.1	3.1	-0.1	2016-04-07	166.6	-14.0	KOWA
1025	40.5	-27.5	-0.0	2016-04-10	71.1	36.5	PMSA
1026	130.6	15.7	-0.3	2016-04-10	71.1	36.5	MSVF
1027	148.4	34.6	0.1	2016-04-13	94.9	23.1	KIP
1028	147.7	1.7	0.1	2016-04-13	94.9	23.1	RAR
1029	-138.2	54.4	0.1	2016-04-15	130.8	32.8	BCIP
1030	-143.4	51.4	-0.1	2016-04-15	130.8	32.8	JTS
1031	-146.6	52.5	0.4	2016-04-15	130.8	32.8	TGUH
1032	128.9	18.7	0.2	2016-04-28	167.4	-16.0	AAK
1033	133.5	26.0	-0.1	2016-04-28	167.4	-16.0	BRVK
1034	161.6	41.7	-0.2	2016-04-28	167.4	-16.0	KBS
1035	-116.3	-38.8	0.3	2016-04-29	-103.7	10.3	VNDA
1036	-115.8	-38.4	0.6	2016-04-29	-103.7	10.3	SBA
1037	-103.8	-39.9	0.0	2016-04-29	-103.7	10.3	QSPA
1038	-148.2	13.2	0.2	2016-04-29	-103.7	10.3	KWAJ
1039	-156.8	-8.5	0.2	2016-04-29	-103.7	10.3	CTAO
1040	-159.4	-13.3	-0.3	2016-05-18	-79.8	0.4	KAPI
1041	-146.8	-30.2	0.3	2016-05-18	-79.6	0.5	WRAB
1042	-50.0	58.7	-0.2	2016-05-18	-79.6	0.5	KURK
1043	-47.6	50.4	-0.4	2016-05-18	-79.6	0.5	ARU
1044	-133.0	44.5	0.0	2016-05-18	-79.6	0.5	MAJO
1045	-21.9	24.7	-0.1	2016-05-18	-79.6	0.5	RAYN
1046	-18.6	30.8	0.2	2016-05-18	-79.6	0.5	UOSS
1047	-130.6	-59.6	0.0	2016-05-18	-79.6	0.5	NWAO
1048	168.7	40.7	0.2	2016-05-28	-178.2	-22.0	KEV
1049	-132.5	3.9	0.3	2016-05-28	-178.2	-22.0	DWPF
1050	-170.7	33.9	0.0	2016-05-28	-178.2	-22.0	ALE
1051	106.5	-31.0	0.0	2016-05-28	-26.9	-56.2	YSS
1052	135.7	83.0	0.2	2016-06-01	100.7	-2.1	BCIP
1053	39.6	-65.6	-0.1	2016-06-01	100.7	-2.1	LVC
1054	-174.7	-14.2	0.1	2016-06-01	100.7	-2.1	PAYG
1055	137.2	27.7	0.7	2016-08-12	173.1	-22.5	ARU
1056	-121.5	-30.8	0.2	2016-08-12	173.1	-22.5	SAML
1057	168.3	38.8	0.2	2016-08-12	173.1	-22.5	KBS
1058	136.9	14.3	0.8	2016-08-12	173.1	-22.5	WMQ
1059	98.1	-32.6	0.1	2016-08-31	152.8	-3.7	BOSA
1060	-148.2	6.6	-0.4	2016-08-31	152.8	-3.7	JTS
1061	-145.5	-32.9	0.2	2016-08-31	152.8	-3.7	LVC
1062	-160.1	36.1	0.2	2016-08-31	152.8	-3.7	SSPA
1063	-141.9	20.5	0.1	2016-08-31	152.8	-3.7	SJG
1064	-171.1	34.2	-0.1	2016-09-24	-178.2	-19.8	ALE
1065	-171.1	50.4	0.4	2016-09-24	-178.2	-19.8	ESK

Measurement Index	Bounce Point (Longitude <sup>o</sup> )	Bounce Point (Latitude <sup>o</sup> )	$S_{LABS}$ Amplitude	Earthquake Date	Earthquake (Longitude <sup>o</sup> )	Earthquake (Latitude <sup>o</sup> )	Station Name
1066	151.3	37.0	-0.0	2016-10-19	108.2	-4.9	COR
1067	70.1	8.0	0.2	2016-10-30	13.1	42.9	NWAO
1068	-150.7	8.1	-0.0	2016-11-14	173.2	-42.6	FFC
1069	84.7	-45.1	0.1	2016-11-14	173.2	-42.6	KMBO
1070	-146.0	1.0	0.1	2016-11-14	173.2	-42.6	RSSD
1071	-134.2	-5.0	-0.1	2016-11-14	173.2	-42.6	WVT
1072	100.4	-39.4	0.0	2016-11-14	173.2	-42.6	MSEY
1073	-81.5	-57.2	0.5	2016-11-14	173.2	-42.6	RCBR
1074	-143.4	-12.0	-0.0	2016-11-14	173.2	-42.6	SLBS
1075	96.8	-20.4	0.4	2016-11-14	173.2	-42.6	RAYN
1076	105.1	-16.4	-0.9	2016-11-14	173.2	-42.6	UOSS
1077	135.5	-43.9	-0.3	2016-11-21	141.4	37.4	HOPE
1078	-137.2	48.1	-0.1	2016-11-24	-88.9	11.9	ERM
1079	-143.1	55.1	0.3	2016-11-24	-88.9	11.9	INCN
1080	-36.6	-15.1	-0.1	2016-11-24	-88.9	11.9	BOSA
1081	-152.2	72.0	-0.0	2016-11-24	-88.9	11.9	KMI
1082	-159.2	-18.0	-0.4	2016-11-24	-88.9	11.9	MBWA
1083	-14.4	30.9	0.3	2016-11-25	74.0	39.3	LPAZ
1084	50.6	87.3	-0.3	2016-11-25	74.0	39.3	RSSD
1085	-25.5	41.4	0.2	2016-11-25	74.0	39.3	NNA
1086	146.5	21.5	0.4	2016-12-06	96.2	5.3	KIP
1087	29.8	-48.4	-0.4	2016-12-06	96.2	5.3	LVC
1088	148.1	20.8	0.4	2016-12-06	96.2	5.3	POHA
1089	-175.7	13.9	0.1	2016-12-08	-126.2	40.5	CTAO
1090	98.5	-12.4	0.3	2016-12-08	161.3	-10.7	KMBO
1091	95.0	-13.3	0.2	2016-12-08	161.3	-10.7	MBAR
1092	83.5	-64.5	0.1	2016-12-08	161.3	-10.7	SHEL
1093	-130.6	2.0	0.0	2016-12-08	161.3	-10.7	GRGR
1094	96.1	-30.1	0.4	2016-12-08	161.3	-10.7	LSZ
1095	-145.2	16.3	0.0	2016-12-08	161.3	-10.7	DWPF
1096	-159.0	14.8	0.1	2016-12-08	161.3	-10.7	TUC
1097	-153.6	22.1	0.3	2016-12-08	161.3	-10.7	CCM
1098	-145.5	8.3	0.0	2016-12-08	161.3	-10.7	TEIG
1099	-166.8	30.3	0.1	2016-12-09	161.1	-10.8	FFC
1100	45.7	-39.7	-0.0	2016-12-21	127.9	-7.5	RCBR
1101	75.2	-22.5	0.0	2016-12-21	127.9	-7.5	TSUM
1102	-65.8	11.9	-0.0	2016-12-25	-73.9	-43.4	SFJD
1103	-12.2	-3.2	0.1	2016-12-25	-73.9	-43.4	GNI
1104	-121.0	-15.4	-0.7	2016-12-25	-73.9	-43.4	POHA
1105	-106.0	9.1	0.1	2016-12-25	-73.9	-43.4	KDAK
1106	-55.0	11.7	0.2	2016-12-25	-73.9	-43.4	BORG
1107	-118.1	18.8	0.1	2016-12-25	-73.9	-43.4	MA2
1108	156.2	40.7	0.6	2017-01-03	176.1	-19.4	LVZ
1109	-129.7	12.6	0.3	2017-01-03	176.1	-19.4	BBSR
1110	-161.1	38.8	-0.4	2017-01-03	176.1	-19.4	SFJD
1111	140.6	30.7	0.3	2017-01-03	176.1	-19.4	ARU
1112	-104.7	-39.0	0.2	2017-01-03	176.1	-19.4	RCBR
1113	104.0	-14.1	0.2	2017-01-03	176.1	-19.4	FURI
1114	174.9	52.6	-0.3	2017-01-03	176.1	-19.4	ESK
1115	170.6	53.8	0.1	2017-01-10	122.6	4.5	WCI
1116	99.5	-54.1	0.3	2017-01-10	122.6	4.5	HOPE

Measurement Index	Bounce Point (Longitude <sup>o</sup> )	Bounce Point (Latitude <sup>o</sup> )	$S_{LABS}$ Amplitude	Earthquake Date	Earthquake (Longitude <sup>o</sup> )	Earthquake (Latitude <sup>o</sup> )	Station Name
1117	171.6	33.9	0.0	2017-01-10	122.6	4.5	PFO
1118	179.5	42.0	0.2	2017-01-10	122.6	4.5	HKT
1119	-141.9	26.1	0.1	2017-01-19	161.3	-10.3	BBSR
1120	76.0	-15.0	0.3	2017-01-19	161.3	-10.3	DBIC
1121	131.4	-59.0	-0.3	2017-02-10	125.5	9.9	EFI
1122	79.3	-14.3	0.1	2017-02-10	125.5	9.9	BOSA
1123	-140.5	-43.8	-0.4	2017-02-21	-63.9	-19.3	PMG
1124	-25.0	54.0	0.2	2017-02-21	-63.9	-19.3	XAN
1125	-126.4	43.4	0.3	2017-02-21	-63.9	-19.3	TATO
1126	-155.0	34.2	0.6	2017-02-24	-178.8	-23.3	SFJD
1127	167.6	39.9	0.2	2017-02-24	-178.8	-23.3	KEV
1128	-102.0	-39.2	-0.5	2017-02-24	-178.8	-23.3	RCBR
1129	-135.9	12.6	0.1	2017-02-24	-178.8	-23.3	SSPA
1130	145.8	36.3	0.2	2017-02-24	-178.8	-23.3	OBN
1131	162.8	-16.5	-0.1	2017-03-29	162.8	56.9	QSPA
1132	-13.5	30.3	-0.0	2017-04-03	25.2	-22.7	FFC
1133	-33.1	14.5	0.1	2017-04-03	25.2	-22.7	ANMO
1134	-24.7	23.1	0.0	2017-04-03	25.2	-22.7	RSSD
1135	-25.7	14.2	0.0	2017-04-03	25.2	-22.7	CCM
1136	-32.1	7.3	0.2	2017-04-03	25.2	-22.7	HKT
1137	-32.5	17.9	0.4	2017-04-24	-72.1	-33.0	OBN
1138	-126.5	21.2	0.0	2017-04-24	-72.1	-33.0	YSS
1139	77.8	3.6	0.5	2017-04-28	125.1	5.5	MBAR
1140	105.1	-50.3	-0.4	2017-05-09	167.4	-14.6	BOSA
1141	102.6	-47.5	0.3	2017-05-09	167.4	-14.6	LBTB
1142	172.4	30.9	0.2	2017-05-29	120.4	-1.3	PFO
1143	78.2	-16.8	0.3	2017-07-06	124.6	11.1	SUR
1144	-166.6	-39.6	0.4	2017-07-06	124.6	11.1	LVC
1145	77.0	-3.1	0.7	2017-07-06	124.6	11.1	LSZ
1146	83.1	-2.8	-0.0	2017-07-11	164.0	-49.5	BFO
1147	-157.7	-3.1	0.1	2017-07-11	164.0	-49.5	COR
1148	128.7	18.3	0.0	2017-07-11	164.0	-49.5	LVZ
1149	-133.4	-11.2	0.1	2017-07-11	164.0	-49.5	WVT
1150	133.3	21.1	-0.1	2017-07-11	164.0	-49.5	KEV
1151	173.4	1.2	0.1	2017-07-11	164.0	-49.5	ADK
1152	40.8	-29.4	-0.2	2017-07-20	27.4	36.9	VNDA
1153	52.6	-18.6	-0.1	2017-07-20	27.4	36.9	CASY
1154	39.5	-29.9	-0.1	2017-07-20	27.4	36.9	SBA
1155	-17.9	7.2	-0.1	2017-07-20	27.4	36.9	CPUP
1156	106.0	-16.6	-0.2	2017-08-08	103.9	33.2	CASY
1157	62.9	11.3	0.5	2017-08-08	103.9	33.2	LSZ
1158	-140.6	-11.3	0.1	2017-10-08	176.8	52.4	PMSA
1159	48.7	-4.7	-0.1	2017-10-10	8.6	-54.3	MAKZ
1160	62.4	-4.9	0.2	2017-10-10	8.6	-54.3	ULN
1161	129.3	-60.6	0.2	2017-10-10	8.6	-54.3	HNR
1162	-157.9	-18.2	0.1	2017-10-24	123.1	-7.2	OTAV
1163	165.0	52.2	0.5	2017-10-24	123.1	-7.2	SSPA
1164	-178.9	30.0	-0.1	2017-10-24	123.1	-7.2	HKT
1165	151.2	39.5	0.1	2017-10-31	169.1	-21.7	KEV
1166	100.2	-15.0	-0.4	2017-10-31	169.1	-21.7	FURI
1167	100.1	-14.8	-0.1	2017-11-01	168.9	-21.6	FURI

Measurement Index	Bounce Point (Longitude <sup>o</sup> )	Bounce Point (Latitude <sup>o</sup> )	$S_{LABS}$ Amplitude	Earthquake Date	Earthquake (Longitude <sup>o</sup> )	Earthquake (Latitude <sup>o</sup> )	Station Name
1168	-165.6	38.1	0.2	2017-11-04	-173.2	-15.3	ALE
1169	-168.0	-52.1	0.5	2017-11-07	143.5	-4.2	PLCA
1170	-150.6	-40.2	-0.8	2017-11-07	143.5	-4.2	LVC
1171	87.7	-17.8	0.3	2017-11-07	143.5	-4.2	LSZ
1172	-27.1	41.2	0.1	2017-11-12	46.0	34.9	BCIP
1173	-148.6	0.1	0.2	2017-11-13	-84.5	9.5	PMG
1174	-29.1	-5.2	-0.8	2017-11-13	-84.5	9.5	LSZ
1175	-21.4	-11.5	0.1	2017-11-13	-84.5	9.5	ABPO
1176	-146.1	-12.2	-0.1	2017-11-13	-84.5	9.5	CTAO
1177	176.8	46.2	0.2	2017-11-19	168.6	-21.5	BORG
1178	100.1	-14.4	-0.0	2017-11-19	168.7	-21.3	FURI
1179	-127.7	-3.5	0.2	2017-11-19	168.7	-21.3	SJG
1180	-29.2	55.0	0.2	2017-11-30	-23.4	-1.1	BILL
1181	-55.2	55.5	-0.6	2017-11-30	-23.4	-1.1	ADK
1182	-0.4	-66.7	0.3	2017-11-30	-23.4	-1.1	TAU
1183	-126.5	-46.0	-0.7	2017-12-13	2.2	-54.2	POHA
1184	154.4	9.1	0.2	2017-12-15	108.2	-7.5	POHA
1185	165.8	32.7	-0.0	2017-12-15	108.2	-7.5	TUC
1186	178.9	37.4	-0.2	2017-12-15	108.2	-7.5	TEIG
1187	-134.1	54.2	-0.3	2018-01-10	-83.5	17.5	ERM
1188	-142.2	-42.7	0.1	2018-01-14	-74.7	-15.8	CTAO
1189	45.2	-1.4	0.1	2018-01-28	9.7	-53.1	KURK
1190	-34.8	-12.8	0.2	2018-01-28	9.7	-53.1	BBSR
1191	-28.2	21.9	0.3	2018-01-28	9.7	-53.1	COLA
1192	89.0	-36.7	0.1	2018-01-28	9.7	-53.1	DAV
1193	107.0	-39.3	0.2	2018-01-28	9.7	-53.1	GUMO
1194	127.2	-60.2	0.1	2018-01-28	9.7	-53.1	HNR
1195	-137.6	-49.8	0.7	2018-01-28	9.7	-53.1	KIP
1196	-132.5	-49.7	0.3	2018-01-28	9.7	-53.1	POHA
1197	-151.3	77.6	-0.4	2018-02-16	-98.0	16.4	LSA
1198	-160.6	-4.0	-0.2	2018-02-16	-98.0	16.4	WRAB
1199	-154.8	-3.5	-0.3	2018-02-16	-98.0	16.4	CTAO
1200	-168.6	29.2	0.1	2018-02-16	-98.0	16.4	DAV
1201	-140.1	5.2	0.1	2018-02-16	-98.0	16.4	FUNA
1202	-34.6	1.2	0.3	2018-02-16	-98.0	16.4	LSZ
1203	-166.7	-7.3	0.1	2018-02-16	-98.0	16.4	MBWA
1204	-143.6	12.4	-0.4	2018-02-16	-98.0	16.4	TARA
1205	-144.8	18.4	0.1	2018-03-08	153.2	-4.4	GTBY
1206	158.1	45.6	-0.2	2018-03-08	153.2	-4.4	ALE
1207	-163.4	22.9	0.1	2018-03-08	153.2	-4.4	ANMO
1208	-149.4	36.7	0.5	2018-03-08	153.2	-4.4	BBSR
1209	169.8	33.1	0.1	2018-03-08	153.2	-4.4	COLA
1210	-167.0	29.5	0.1	2018-03-08	153.2	-4.4	RSSD
1211	-157.5	28.9	0.2	2018-03-08	153.2	-4.4	WVT
1212	-127.4	41.0	0.1	2018-04-02	-63.0	-20.7	TATO
1213	-158.4	-66.0	0.2	2018-05-04	-155.0	19.3	BOSA
1214	-111.1	2.1	0.0	2018-05-04	-155.0	19.3	LPAZ
1215	-162.6	-30.1	0.3	2018-05-04	-155.0	19.3	VNDA
1216	-178.7	-30.4	0.1	2018-05-04	-155.0	19.3	CASY
1217	-130.5	-29.1	-0.2	2018-05-04	-155.0	19.3	PMSA
1218	-155.1	-35.3	-0.5	2018-05-04	-155.0	19.3	QSPA

Measurement Index	Bounce Point (Longitude <sup>o</sup> )	Bounce Point (Latitude <sup>o</sup> )	$S_{LABS}$ Amplitude	Earthquake Date	Earthquake (Longitude <sup>o</sup> )	Earthquake (Latitude <sup>o</sup> )	Station Name
1219	-92.9	13.1	0.4	2018-05-04	-155.0	19.3	RCBR
1220	-161.7	-30.1	0.3	2018-05-04	-155.0	19.3	SBA
1221	-176.1	52.8	-0.1	2018-08-05	116.4	-8.3	SDDR
1222	169.0	46.8	-0.0	2018-08-05	116.4	-8.3	WVT
1223	-118.4	-0.2	0.4	2018-08-15	-178.0	51.4	EFI
1224	152.8	44.1	0.4	2018-08-17	119.8	-7.4	FFC
1225	94.5	-59.9	-0.4	2018-08-17	119.8	-7.4	HOPE
1226	170.2	42.6	0.3	2018-08-17	119.8	-7.4	CCM
1227	-175.5	52.1	-0.4	2018-08-19	116.6	-8.3	SDDR
1228	171.7	32.1	-0.0	2018-08-19	116.6	-8.3	ANMO
1229	168.0	45.0	-0.1	2018-08-19	116.6	-8.3	CCM
1230	160.8	32.2	0.3	2018-08-19	116.6	-8.3	COR
1231	177.7	46.2	0.5	2018-08-19	116.6	-8.3	DWPF
1232	-165.6	-18.7	0.0	2018-08-19	116.6	-8.3	PAYG
1233	163.0	40.5	0.3	2018-08-19	116.6	-8.3	RSSD
1234	172.7	27.5	-0.4	2018-08-19	116.6	-8.3	TUC
1235	169.3	46.6	0.1	2018-08-19	116.6	-8.3	WVT
1236	-109.0	-44.0	0.1	2018-08-21	-62.9	10.8	TAU
1237	-133.0	-17.8	0.2	2018-08-21	-62.9	10.8	CTAO
1238	-121.8	2.3	0.0	2018-08-21	-62.9	10.8	FUNA
1239	-134.9	-71.1	0.1	2018-08-24	-70.8	-11.0	MBWA
1240	-117.8	13.2	-0.2	2018-08-24	-70.8	-11.0	MIDW
1241	-156.2	13.1	0.1	2018-09-05	141.9	42.7	RPN
1242	166.1	41.0	0.2	2018-09-06	179.3	-18.5	KEV
1243	-139.2	-0.9	0.2	2018-09-09	161.5	-10.0	BCIP
1244	-134.8	9.9	-0.1	2018-09-09	161.5	-10.0	SJG
1245	-137.7	4.1	0.5	2018-09-10	-179.4	-31.8	CCM
1246	-129.5	-3.0	0.7	2018-09-10	-179.4	-31.8	DWPF
1247	96.6	-39.5	0.3	2018-09-16	178.2	-25.4	MBAR
1248	103.2	-23.2	0.1	2018-09-16	178.2	-25.4	FURI
1249	-159.3	-0.1	0.1	2018-09-28	119.8	-0.2	OTAV
1250	179.5	26.1	-0.2	2018-09-28	119.8	-0.2	SLBS
1251	113.5	-62.3	0.0	2018-09-30	-178.1	-18.4	LBTB
1252	-90.5	-58.7	-0.2	2018-09-30	-178.1	-18.4	ASCN
1253	-123.7	-0.9	-0.6	2018-09-30	-178.1	-18.4	SJG
1254	-149.4	8.5	0.0	2018-10-10	151.2	-5.7	TGUH
1255	93.7	-30.9	-0.0	2018-10-10	151.2	-5.7	LBTB
1256	-165.2	19.7	-0.3	2018-10-10	151.2	-5.7	TUC
1257	156.3	-20.3	0.3	2018-10-10	156.3	49.3	QSPA
1258	-123.7	16.2	-0.2	2018-10-13	153.2	52.9	PLCA
1259	-130.3	3.0	0.5	2018-10-13	153.2	52.9	EFI
1260	143.9	15.1	-0.3	2018-10-16	169.5	-21.7	ULN
1261	-8.3	85.5	-0.1	2018-10-22	-129.4	49.3	KIV
1262	179.2	19.1	-0.2	2018-10-22	-129.4	49.3	CTAO
1263	-97.5	5.0	-0.0	2018-10-22	-129.3	49.3	PLCA
1264	-149.8	81.9	0.4	2018-10-25	20.6	37.5	KIP
1265	135.7	42.6	0.2	2018-11-09	-11.2	71.6	CTAO
1266	-41.9	3.8	0.5	2018-11-09	-11.2	71.6	PMSA
1267	163.7	41.1	0.4	2018-11-18	-178.9	-17.9	LVZ
1268	105.5	-51.8	0.2	2018-11-18	-178.9	-17.9	LSZ
1269	147.5	37.7	0.2	2018-12-05	169.4	-21.9	LVZ

Measurement Index	Bounce Point (Longitude <sup>o</sup> )	Bounce Point (Latitude <sup>o</sup> )	$S_{LABS}$ Amplitude	Earthquake Date	Earthquake (Longitude <sup>o</sup> )	Earthquake (Latitude <sup>o</sup> )	Station Name
1270	-131.4	-29.1	-0.0	2018-12-05	169.4	-21.9	NNA
1271	66.6	-14.9	0.0	2018-12-11	-26.4	-58.5	HIA
1272	70.0	-26.8	0.2	2018-12-11	-26.4	-58.5	XAN
1273	100.5	-51.6	-0.1	2018-12-11	-26.4	-58.5	DAV
1274	165.2	-11.3	0.1	2018-12-20	164.7	55.1	SBA
1275	-155.6	-49.4	-0.6	2019-01-05	-71.6	-8.1	KAPI
1276	-132.1	49.8	-0.1	2019-01-05	-71.6	-8.1	TATO
1277	-175.0	38.0	0.2	2019-01-06	126.8	2.3	HKT
1278	-176.3	25.8	0.0	2019-01-06	126.8	2.3	SLBS
1279	85.3	1.0	0.2	2019-01-22	42.4	-43.1	MDJ
1280	59.1	4.0	-0.4	2019-01-22	42.4	-43.1	KURK
1281	115.0	-42.8	-0.4	2019-01-22	42.4	-43.1	HNR
1282	82.5	13.5	0.3	2019-01-22	42.4	-43.1	MA2
1283	87.0	-11.7	0.3	2019-01-22	42.4	-43.1	TATO
1284	65.1	18.1	0.1	2019-01-22	42.4	-43.1	TIXI
1285	-29.7	-21.0	0.0	2019-02-22	-77.0	-2.2	LBTB
1286	-17.2	26.6	0.1	2019-02-22	-77.0	-2.2	UOSS
1287	-20.3	-3.1	-0.1	2019-02-22	-77.0	-2.2	KMBO
1288	-26.2	-14.1	0.1	2019-02-22	-77.0	-2.2	LSZ
1289	-6.4	-20.6	0.3	2019-03-01	-70.2	-14.7	MSEY
1290	7.5	-14.6	0.5	2019-03-01	-70.2	-14.7	PALK
1291	-136.1	39.9	-0.3	2019-03-01	-70.2	-14.7	TATO
1292	-165.6	22.6	0.2	2019-04-12	122.6	-1.8	TGUH
1293	157.1	47.7	0.0	2019-04-12	122.6	-1.8	FFC
1294	-163.1	17.3	0.0	2019-04-12	122.6	-1.8	JTS
1295	70.3	-41.6	-0.2	2019-04-12	122.6	-1.8	TRIS
1296	176.0	47.6	0.2	2019-04-12	122.6	-1.8	WVT
1297	-158.8	31.4	0.5	2019-05-14	152.6	-4.0	WCI
1298	-154.8	-8.9	0.4	2019-05-30	-89.4	13.2	WRAB
1299	-147.9	1.6	-0.1	2019-06-15	-178.1	-30.6	PFO
1300	-95.2	-44.9	-0.0	2019-06-15	-178.1	-30.6	RCBR
1301	-132.4	7.7	0.3	2019-06-15	-178.1	-30.6	SSPA
1302	-135.0	5.3	0.2	2019-06-15	-178.1	-30.6	WCI
1303	-158.4	37.1	-0.1	2019-06-24	129.2	-6.4	SJG
1304	-175.1	16.9	0.2	2019-06-24	129.2	-6.4	SLBS
1305	-39.5	10.9	0.1	2019-07-04	-117.5	35.7	BOSA
1306	-85.0	-12.0	-0.0	2019-07-04	-117.5	35.7	HOPE
1307	-85.0	-12.0	-0.0	2019-07-06	-117.6	35.8	HOPE
1308	62.8	-18.4	0.7	2019-07-07	126.2	0.5	SHEL
1309	178.8	31.4	0.1	2019-07-07	126.2	0.5	TUC
1310	177.4	49.2	0.1	2019-07-07	126.2	0.5	WCI
1311	176.3	31.4	0.0	2019-07-14	120.4	-18.2	CCM
1312	-175.8	18.1	0.1	2019-07-14	120.4	-18.2	HKT
1313	-165.3	4.0	0.2	2019-07-14	120.4	-18.2	TEIG
1314	-157.4	17.3	-0.3	2019-07-14	128.0	-0.6	BCIP
1315	-162.2	40.0	0.2	2019-07-14	128.0	-0.6	GTBY
1316	-161.2	34.9	-0.0	2019-07-14	128.0	-0.6	MTDJ
1317	-165.7	28.9	0.3	2019-07-14	128.0	-0.6	TEIG
1318	105.0	-51.9	0.3	2019-07-31	168.0	-16.2	BOSA
1319	67.0	-52.4	-0.1	2019-07-31	168.0	-16.2	DBIC
1320	-106.5	-6.2	-0.1	2019-07-31	168.0	-16.2	SACV

Measurement Index	Bounce Point (Longitude <sup>o</sup> )	Bounce Point (Latitude <sup>o</sup> )	$S_{LABS}$ Amplitude	Earthquake Date	Earthquake (Longitude <sup>o</sup> )	Earthquake (Latitude <sup>o</sup> )	Station Name
1321	-130.1	1.9	-0.3	2019-07-31	168.0	-16.2	SJG
1322	-102.1	15.0	-0.7	2019-08-01	-72.3	-34.2	KDAK
1323	-145.8	9.7	-0.3	2019-08-01	-72.3	-34.2	INCN
1324	77.1	-25.3	0.1	2019-08-27	-26.6	-60.2	BJT
1325	140.9	-64.4	-0.6	2019-08-27	-26.6	-60.2	PMG
1326	144.7	40.3	-0.0	2019-09-01	-178.6	-20.4	KIEV
1327	172.5	47.6	0.1	2019-09-01	-178.6	-20.4	KONO
1328	-161.6	35.1	0.0	2019-09-25	128.4	-3.5	GTBY
1329	138.7	-65.3	0.1	2019-09-25	128.4	-3.5	EFI
1330	-159.7	11.8	-0.1	2019-09-25	128.4	-3.5	JTS
1331	169.5	32.0	0.2	2019-09-25	128.4	-3.5	COR
1332	-179.6	27.3	-0.0	2019-09-25	128.4	-3.5	TUC
1333	70.7	-54.8	-0.1	2019-09-29	-73.2	-35.5	KMI
1334	-137.0	10.3	0.0	2019-09-29	-73.2	-35.5	ERM
1335	-149.0	5.8	-0.0	2019-09-29	-73.2	-35.5	INCN
1336	-48.8	23.4	-0.0	2019-09-29	-73.2	-35.5	KEV
1337	130.1	-60.6	-0.0	2019-10-29	125.0	6.8	EFI
1338	-172.4	53.1	0.6	2019-10-29	125.0	6.8	DWPF
1339	-155.8	16.7	0.0	2019-10-29	125.0	6.8	OTAV
1340	171.0	47.2	0.2	2019-10-29	125.0	6.8	RSSD
1341	60.1	15.7	0.0	2019-10-31	125.2	6.9	DBIC
1342	-167.7	36.6	-0.6	2019-11-04	-175.3	-18.6	ALE
1343	-132.5	18.7	-0.1	2019-11-04	-175.3	-18.6	HRV
1344	-133.8	16.3	0.2	2019-11-04	-175.3	-18.6	SSPA
1345	145.8	36.5	-0.1	2019-11-08	-179.5	-21.9	OBN
1346	171.2	47.1	0.4	2019-12-15	125.2	6.7	RSSD
1347	-167.0	39.6	0.3	2019-12-15	125.2	6.7	TEIG
1348	73.4	-10.5	0.4	2019-12-15	125.2	6.7	TSUM
1349	61.8	-16.6	-0.9	2020-01-24	39.1	38.4	CASY
1350	-20.3	8.1	0.1	2020-01-24	39.1	38.4	LCO
1351	7.9	-19.4	0.4	2020-01-24	39.1	38.4	PMSA
1352	-91.4	-36.9	0.2	2020-01-28	-78.8	19.4	VNDA
1353	-46.8	39.2	0.2	2020-03-31	-115.1	44.5	DBIC
1354	-26.4	25.8	0.2	2020-03-31	-115.1	44.5	LBTB
1355	178.5	20.5	-0.1	2020-03-31	-115.1	44.5	WRAB
1356	167.9	23.5	0.3	2020-03-31	-115.1	44.5	MBWA
1357	38.3	-31.1	0.0	2020-05-02	25.7	34.2	VNDA
1358	-94.7	-1.4	-0.2	2020-05-15	-117.9	38.2	PLCA
1359	-53.3	19.2	0.1	2020-05-15	-117.9	38.2	SHEL
1360	-172.4	20.6	0.5	2020-05-15	-117.9	38.2	PMG
1361	-99.5	-14.7	0.1	2020-05-15	-117.9	38.2	PMSA
1362	-131.5	-22.6	0.2	2020-05-15	-117.9	38.2	SBA
1363	13.8	-27.7	0.1	2020-06-03	-68.5	-23.3	PALK
1364	-175.0	-30.0	-0.0	2020-06-13	128.3	28.9	PLCA
1365	-159.7	79.0	-0.1	2020-06-13	128.3	28.9	BBSR
1366	176.3	16.1	-0.5	2020-06-23	-96.0	15.9	COCO
1367	-33.8	0.7	-0.0	2020-06-23	-96.0	15.9	LSZ
1368	-155.6	6.2	0.2	2020-06-23	-96.0	15.9	PMG
1369	-89.7	24.1	0.1	2020-08-30	-29.9	0.8	KIP
1370	-90.5	-23.0	-0.1	2020-08-30	-29.9	0.8	RAR
1371	-22.8	32.3	-0.2	2020-09-01	-71.3	-28.0	MAKZ

Measurement Index	Bounce Point (Longitude $^{\circ}$ )	Bounce Point (Latitude $^{\circ}$ )	$S_{\text{LABS}}$ Amplitude	Earthquake Date	Earthquake (Longitude $^{\circ}$ )	Earthquake (Latitude $^{\circ}$ )	Station Name
1372	-55.6	19.9	0.4	2020-09-01	-71.4	-27.9	BORG
1373	35.9	-41.2	-0.0	2020-09-01	-71.4	-27.9	CHTO
1374	-34.5	55.8	0.4	2020-09-18	-26.9	0.9	BILL
1375	38.9	-29.4	-0.3	2020-10-30	26.8	37.9	SBA
1376	-46.3	21.6	0.1	2020-12-27	-75.0	-39.3	LVZ
1377	-162.5	-32.6	0.1	2020-12-27	-75.0	-39.3	GUMO
1378	-43.5	13.4	0.2	2020-12-27	-75.0	-39.3	KONO
1379	-161.3	-50.2	0.4	2020-12-27	-75.0	-39.3	PMG
1380	-143.6	-18.8	-0.1	2020-12-27	-75.0	-39.3	WAKE