

LAMONT GEOLOGICAL OBSERVATORY
COLUMBIA UNIVERSITY

PALISADES, NEW YORK

●
SEISMOLOGICAL BULLETIN

By

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1 January 1955 - 30 April 1955

LAMONT GEOLOGICAL OBSERVATORY
Contribution No. 298

STATION CONSTANTS, INSTRUMENTS AND ABBREVIATIONS

Latitude: 41° 00' 25" North
 Longitude: 73° 54' 31" West
 Elevation: 102.59 meters
 Bedrock: Palisades diabase Triassic Age

INSTRUMENTS

Three component Columbia University seismographs.
 To = 12 sec., Tg = 15 sec.

Three component Benioff seismographs. Short period, To = 1 sec., Tg = 0.2 sec. Long period To = 1 sec., Tg = 75 sec.

One Columbia University vertical seismograph. To = .33 sec., Tg = 0.2 sec.

Three component Columbia University visual recording seismograph: To = 12 sec.

One Columbia University vertical seismograph for visual recording. To = 1 sec.

Three component Columbia University long period seismographs. To = 15 sec., Tg = 75 sec.

Two Columbia University Microbarographs. To = 10 sec., Tg = 75 sec.

ABBREVIATIONS

i = sudden beginning of the motion (impetus)

e = gradual beginning of the motion (emersio)

Lg = short period continental surface shear wave

Rg = continental Rayleigh wave Comp. = compression

All times are G. C. T. Dil. = dilatation

Time - I.B.M. Invar pendulum clock corrected by Naval Observatory time signals every 6 hours.

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Date	Phase	h	m	s	Remarks
1955					
Jan.					
1	eLQ	10	46	37	North Atlantic USCGS 0 = 10 34 41 28 1/2°N 44°W Dist. 28.1°
1	eLR	11	02	22	North Atlantic USCGS 0 = 10 49 32 28 1/2°N 44°W Dist. 28.1°
1	eLR	12	31	37	Fallon, Nevada USCGS 0 = 12 13 54 39.3°N 118°W Mag. 5.1 (Pasadena)
1	eLR	17	51	42	Kermadec BCIS 0 = 16 50 54 26°S 175°W Dist. 115.5°
1	iP	18	14	05	Andreasof Islands
	eLR	18	33	48	USCGS 0 = 18 03 08 51°N 178 1/2°W Dist. 67.2°
1	iP	18	48	32	Andreasof Islands USCGS 0 = 18 37 41 51 1/2°N 178 1/2°W Depth 60 km Dist. 66.9°
3	eS	18	59	14	Near coast of Peru
	eSKS	19	01	04	USCGS 0 = 18 41 50
	eLR	19	07	49	15 1/4°S 75 1/4°W
5	ePKP	01	09	42	Off coast South Isl.,
	ePP	01	12	50	New Zealand
	iPS	01	23	02	USCGS 0 = 00 50 12
	ePSS	01	25	28	50°S 162 1/2°E
	eSS	01	31	00	Mag 6-1/2-6 3/4
	eLQ	01	49	00	(Pasadena)
	eLR	01	56	01	Dist. 140.3°

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Date	Phase	h	m	s	Remarks
1955 Jan.					
5	ePP	18	09	14	New Hebrides Islands
	ePKS	18	10	45	USCGS 0 = 17 48 35
	eSKS	18	14	20	16°S 167 1/2°E
	eSKKS	18	16	00	Mag 6 3/4 (Pasadena)
	ePKKP	18	17	10	Dist. 140.1°
	ePS	18	18	53	
	iSS	18	25	46	
	e	18	28	45	
	eLQ	18	39	40	
	eLR	18	45	57	
5	eP	23	57	44	New Hebrides Islands
	ePKP	00	01	10	USCGS 0 = 23 42 03
	ePP	00	02	28	16°S 167 1/2°E
	ePKS	00	04	10	Mag 6 3/4-7(Pasadena)
	ePPP	00	05	26	Dist. 121.9°
	eSKS	00	08	00	
	eSKKS	00	09	40	
	iPS	00	12	18	
	ePPS	00	13	57	
	iSS	00	19	04	
	eLQ	00	33	16	
	eLR	00	38	45	
6	e(SS)	03	00	33	New Hebrides Islands
	e	03	24	25	USCGS 0 = 02 22 35
					16°S 167 1/2°E
					Dist. 121.9°
6	eLQ	08	06	33	New Hebrides Islands
					USCGS 0 = 06 59 47
					16°S 167 1/2°E
					Dist. 121.9°
6	eLR	10	43	41	New Hebrides Islands
					USCGS 0 = 09 48 19
					16°S 167 1/2°E
					Dist. 121.9°

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Date	Phase	h	m	s	Remarks
1955 Jan.					
8	ePP	07	54	07	Santa Cruz Islands
	eSKS	07	59	38	USCGS 0 = 07 33 36
	ePS	08	03	46	11 1/2°S 166 1/2°E
	ePPS	08	05	16	Depth 60 km
	eSS	08	10	21	Mag 6 3/4 - 7
					(Pasadena)
	eLQ	08	22	31	Dist. 119.8°
	eLR	08	30	11	
11	eLR	23	19	40	Nicaragua
					USCGS 0 = 23 03 07
					Dist. 109.6°
13	ePS	00	43	18	600 miles NE Sand-
	ePPS	00	44	26	wich Islands
	eSS	00	49	38	USCGS 0 = 00 14 29
	eLR	01	06	14	57 1/2°S 11°W (BCIS)
					Dist. 109.6°
13	eP	02	13	56	Fox Islands, Aleutian
	iP	02	13	57	Islands
	P (Z)	12 sec.	7 mic.		USCGS 0 = 02 03 43
	iPP	02	16	14	53°N 167 1/2°W
	PP (Z)	9 sec.	3 mic.		Dist. 60.4°
	ePPP	02	17	40	
	iS	02	22	08	
	eS	02	22	16	
	iSS	02	26	07	
	i (SN)	02	28	56	
	eLQ	02	31	04	
	eLR	02	33	04	
13	eP	02	45	57	Fox Islands
	iP	02	45	59	USCGS 0 = 02 35 45
	e	02	46	12	53°N 167 1/2°W
					Dist. 60.4°
13	eP	02	54	58	Fox Islands
					USCGS 0 = 02 44 47
					Dist. 60.4°

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Date	Phase	h	m	s	Remarks
1955 Jan.					
18	eS eLR	17	13	42	South east of Easter Islands USCGS 0 = 16 51 26 36 1/2°S 98 1/2°W Dist. 80.5°
18	eLR	20	46	14	Santa Cruz Islands USCGS 0 = 19 48 36 11 3/4°S 165 3/4°E Dist. 120.8°
20	iP ePP iS eLQ eLR	03	56	01	Off coast of Mexico USCGS 0 = 03 48 50 15 1/2°N 104 1/2°W Mag 6 1/4 (Pasadena) Dist. 36.6°
22	eLQ	06	25	00	Chagos Islands region USCGS 0 = 05 28 35 8°S 67 1/2°E Dist. 146.7°
23	iPKP iPKP ₂ e (PPP)	22	40	56	Near south west Coast of Java USCGS 0 = 22 21 14 7 1/4°S 105 3/4°E (BCIS) Dist. 146.4°
25	eLR	07	31	26	Tennessee-Arkansas Missouri border USCGS 0 = 07 24 30
25	eSS eLR	14	35	06	Revilla Gigedo Islands region USCGS 0 = 14 19 29 19 1/2°N 109 1/2°W Dist. 37.3°

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Date	Phase	h	m	s	Remarks
1955 Jan.					
25	iP eS eS _C S eLR	14	58	45	Arctic Ocean, off West coast of Spitzbergen USCGS 0 = 14 50 05 80°N 3°W Dist. 46.8°
28	ePS e (PPS) e (SS) e (SKKKS) e eLR	17	29	36	Tibet USCGS 0 = 17 02 33 33°N 82 1/2°E Dist. 103.3°
29	e i eP iP eLR	17	14	41	Off southeast coast of Kamchatka 51 1/2°N 159 1/2°E Dist. 76.7°
31	eP	02	37	59	Andreanof Islands
31	iP iPcP iS eSS eLR	05	12	39	Mato Grosso, Brazil USCGS 0 = 05 03 03 12 1/2°S 57°W Mag 6 3/4 (Pasadena) Dist. 55.5°
31	eP eS eLR	15	14	46	Central Chile USCGS 0 = 15 03 10 31 1/2°S 7 1/2°W Dist. 72.4°
31	iP eS eSS eSSS ePKKS	16	14	34	Kurile Islands USCGS 0 = 16 02 07 46 1/2°N 153°E Mag 6 1/4 - 6 1/2 (Pasadena) Dist. 83.2°

Date	Phase	h	m	s	Remarks
1955 Feb.					
1	eLR	14	28	47	Southwest of Mexico Tacubaya 0 = 14 11 47 15° 37'N 103° 08'W Dist. 35.7
1	eLQ	19	56	75	Off coast of Hokkaido, Japan USCGS 0 = 19 16 02 42°N 142 1/2°E Dist. 89.1°
2	eLQ	08	11	43	Tonga Islands USCGS 0 = 07 22 32 22°S 176°W Depth 100 km Dist. 113.1°
2	eLR	15	18	28	
2	eLR	22	32	33	Oregon foreshock USCGS 0 = 22 11 18 44°N 128 1/2°W Dist. 39.7°
3	eLR	03	31	02	Oregon foreshock USCGS 0 = 03 10 16 44 1/2°N 128°W Dist. 39.2°
3	eLR	09	28	59	Oregon foreshock USCGS 0 = 09 07 52 Dist. 39.2°
3	eLR	12	43	49	Oregon foreshock USCGS 0 = 12 22 41 44°N 128 1/2°W Dist. 39.7°
3	ePS	12	55	06	Oregon
	eSS	12	57	36	USCGS 0 = 12 41 24 44°N 128 1/2°W
	eLR	13	02	32	Mag 5.3 (Pasadena) Dist. 39.7°

Date	Phase	h	m	s	Remarks
1955 Feb.					
4	eLR	06	08	00	Ethiopia Alicante 0 = 05 2006 6°N 37 1/2°E Dist. 101.9°
4	eSS	08	02	30	Mascarene Islands
	e	08	17	50	Region
	eLQ	08	20	10	USCGS 0 = 07 21 49
	eLR	08	28	15	17°S 67°E Dist. 138.8°
5	eP	20	54	20	Kurile Islands
	iS	21	04	39	USCGS 0 = 20 41 51
	iSS	21	10	11	46 1/2°N 153°E
	eLQ	21	16	31	Dist. 83.2°
	eLR	21	26	26	
6	eS	01	09	50	Jan Mayen Island
	eSS	01	12	50	USCGS 0 = 00 55 32
	eLQ	01	13	31	71°N 13 1/2°W
	eLR	01	15	21	Dist. 42.3°
6	eP	02	35	48	Jan Mayen Island
	ePP	02	37	26	USCGS 0 = 02 27 53
	is	02	42	11	71°N 13 1/2°W
	eSS	02	45	14	Dist. 42.3°
	eLQ	02	45	55	
	eLR	02	47	41	
6	eLR	11	00	41	Sandwich Islands USCGS 0 = 10 05 45 57 1/2°S 23 1/2°W Dist. 107°
6	iP	17	20	51	
	iP	17	21	04	
	e	17	21	14	
	e	17	21	44	

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Date	Phase	h	m	s	Remarks
1955 Feb.					
6	iP	18	28	09	Andreanof Islands, Aleutian Islands USCGS 0 = 18 17 05 50 1/2°N 180° Dist. 68.2°
7	eLR	18	03	52	Sonora Mexico USCGS 0 = 17 46 15
8	e	20	05	37	Alaska USCGS 0 = 19 36 32
9	e	18	01	04	
10	eP i eLR	00 00 00	15 15 42	24 26 42	Kurile Islands USCGS 0 = 00 03 21 50°N 156°E Depth 60 km Dist. 79.3°
10	eLR	10	32	13	Tonga Islands Apia 0 = 09 36 45 21 1/2°S 173°W Dist. 113.9°
13	iP iPcP	17 17	28 28	07 17	Central Kamchatka USCGS 0 = 17 16 55 56°N 160 1/2°E Depth 200 km Dist. 72.8°
13	eLR	20	39	50	Tonga Islands Apia 0 = 19 43 24 20°S 175°W Dist. 110.2°

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Date	Phase	h	m	s	Remarks
1955 Feb.					
14	ePP ePKS eSKKS e (PS) ePPS eSS eLQ eLR	17 17 17 17 17 17 17 18	14 16 21 24 26 32 51 01	48 01 52 48 50 36 21 56	Molucca Passage USCGS 0 = 16 53 09 2°N 126 1/2°E Mag 6 1/4 (Pasadena) Dist. 133.4°
15	ePP ePS eSS eLQ eLR	06 06 06 07 07	41 51 58 12 20	52 26 38 16 58	New Hebrides Islands USCGS 0 = 06 21 22 14°S 166 1/2°E Depth 60 km Dist. 121.4°
15	eLR	12	05	13	
15	ePS eSS eLR	19 19 19	12 18 42	12 58 06	New Hebrides Islands USCGS 0 = 18 41 53 14 1/2°S 167°E Depth 60 km Dist. 121.3°
16	ePKP	11	49	09	
16	ePKP ePKS ePPS eSS eLQ eLR eSSS	11 11 12 12 12 12 12	44 52 04 10 33 42 15	09 32 31 16 36 28 40	Banda Sea USCGS 0 = 11 29 54 7°S 130°E Depth 150 km Dist. 140.6°
16	iP iS	12 12	46 46	16 18	
17	eL eL	01 02	48 03	37 00	

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Date	Phase	h	m	s	Remarks
1955					
Feb.					
18	eP	08	11	41	Dominican Republic
	iPP	08	11	49	USCGS 0 = 08 06 41
	iS	08	15	31	19°N 68°W
	eS	08	15	38	Depth 110 km
	e	08	32	54	Dist. 222.6°
	T max	08	33	10	
18	eLR	23	36	50	Pakistan
					USCGS 0 = 22 48 33
					30 1/2°N 67°E
					Dist. 110.1°
19	e	01	46	18	
20	e	00	08	09	California
20	eP	12	28	12	Rat Islands, Aleu-
	eLQ	12	44	22	tian Islands
	eLR	12	48	13	USCGS 0 = 12 17 21
					52 1/2°N 178 1/2°E
					Depth 110 km
					Dist. 67.7°
20	eL	21	20	09	New Britain
					USCGS 0 = 20 14 46
					5° S 152°E
					Dist. 125.7°
21	iS	14	45	00	Mid Atlantic
	eLQ	14	49	23	BCIS 0 = 14 29 18
	eLR	14	51	00	110°N 34°W
					Dist. 47.6°
21	eS	23	26	50	Azores Islands
	eLR	23	30	13	BCIS 0 = 23 14 44
					40 3/4°N 29 1/2°W
					Dist. 33.3°
22	eL	03	23	00	Mexico
	eL	03	36	00	BCIS 0 = 04 52 18

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Date	Phase	h	m	s	Remarks
1955					
Feb.					
23	eL	02	46	11	South east of Mexico
					(Tacubaya) 0 = 02 34
					50
23	eLR	05	46	16	Tonga Islands
					USCGS 0 = 04 57 11
					20°S 175 1/2°W
					Depth 250 km
					Dist. 112.1°
23	e	15	01	07	
23	e	18	52	36	Indian Ocean
	e (PPS)	19	06	07	USCGS 0 = 18 31 45
	eL	19	41	07	34°S 54 1/2°E
					Dist. 139.4°
26	eLR	03	25	12	South east coast of
					Unimak Islands
					USCGS 0 = 02 54 04
					54°N 163 1/2°E
					Dist. 73.2°
26	e	12	56	58	
26	e	18	05	02	
27	iP	20	50	26	Kermadec Island
	ePKP	21	02	09	region
	i	21	02	16	USCGS 0 = 20 43 24
	iPP	21	03	23	27 1/2°S 176°W
					Mag 8 (Pasadena)
					Dist. 116°
	iSKS	21	09	07	
	eS	21	11	03	
	iPKKP	21	12	33	
	eSS	21	19	05	
	eLQ	21	30	48	
	eLR	21	37	23	
28	iP	01	09	21	Andreanof Islands,
					Aleutian Islands
					USCGS 0 = 00 58 39
					52°N 174°W
					Dist. 64.3°

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Date	Phase	h	m	s	Remarks
1955					
Feb.					
28	eLR	21	42	51	Indian Ocean USCGS 0 = 20 42 31 11°S 66 1/2°E Dist. 135.2°
Mar.					
1	e	00	48	39	North Atlantic
	e	00	52	06	
	eL	00	53	46	
	eL	00	56	30	
1	iP	01	57	26	Off coast of Brazil USCGS 0 = 01 46 10 21°S 37°W Dist. 70.2°
	eLR	02	17	53	
1	iP	04	50	43	Yukon USCGS) = 04 42 59 65°N 133°W Mag 6 1/2 - 6 3/4 (Pasadena) Dist. 40.8°
	P (Z) 7 sec 5 mic				
	ePP	04	52	03	
	PP (Z) 10 sec 5 mic				
	iPP	04	52	18	
	PP (Z) 15 sec 7 mic				
	iPcS	04	56	35	
	iS	04	56	55	
	eSS	04	59	39	
	eSSS	05	00	19	
	eScS	05	00	45	
	eLQ	05	01	03	
	eLR	05	01	53	
	eLg	05	04	13	
1	iP	14	10	11	Yukon aftershock USCGS 0 = 14 02 25 65°N 133°W Dist. 40.9°
	iS	14	16	24	
	eLg	14	23	19	
2	ePKS	01	58	37	New Britain USCGS 0 = 01 35 45 40°S 152°E Dist. 124.5°
	eLR	02	33	03	

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Date	Phase	h	m	s	Remarks
1955					
Mar.					
3	eL	21	07	04	Jan Mayan Island USCGS 0 = 20 47 22 71 1/2°N 4 1/2°W Dist. 45.5°
4	eLR	03	05	32	Kermadec Islands region USCGS 0 = 02 03 22 26 1/2°S 176°W Dist. 116°
5	eL	03	46	54	Guatemala USCGS 0 = 03 29 58 14°N 90 1/2°W Depth 150 km Dist. 30.7°
5	i	07	48	09	Hudson Strait USCGS - = 07 43 20 60 1/2°N 67°W Dist. 20.1°
	e	07	51	50	
	eLR	07	53	38	
5	eP	19	36	15	Atlantic Ocean USCGS 0 = 19 28 31 11°N 44°W Dist. 39.8°
	iS	19	42	24	
	eSS	19	45	16	
	eLR	19	47	09	
6	e	05	22	59	
6	ePKP	06	37	39	Near south coast of Sumatra USCGS 0 = 06 18 01 2 1/2°S 100°E Dist. 141.3°
	eLQ	07	23	12	
6	ePKP	11	14	38	Philippine Islands foreshock USCGS 0 = 10 55 28 9 1/2°N 122 1/2°E Mag 6-6 1/4 (Kiruna) Dist. 127.5°
	eSS	11	33	54	
	eLQ	11	51	24	
	eLR	12	02	32	

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Date	Phase	h	m	s	Remarks
1955					
Mar.					
6	iPKP	13	52	40	Negros Island,
	iPP	13	54	37	Philippine Islands
	ePKKP	14	02	49	USCGS - = 13 33 31
	iSS	14	11	51	9 1/2°N 122 1/2°E
	ePKPPKS	14	14	32	Mag 6 1/4- 6 1/2 (Kiruna)
	eSSS	14	16	30	Dist. 127.5°
	eL	14	44	38	
7	eLR	05	54	00	New Hebrides Islands
					USCGS 0 = 04 44 44
					18 1/2°S 169°E
					Dist. 122.3°
7	eLR	15	43	55	Kermadec Islands
					region
					USCGS 0 = 14 47 07
					28°S 175 1/2°W
					Dist. 116.2°
9	eLR	03	05	09	Tristan da Cunha
					region
					USCGS 0 = 02 26 25
					30 1/2°S 13°W
					Mag 6 1/4 (Lwiro)
					Dist. 91.3°
9	eL	04	41	20	Kermadec Islands
					region
					USCGS 0 = 03 42 30
9	eLR	06	44	24	Solomon Islands
					region
					USCGS 0 = 05 39 57
					9 1/2°S 154 1/2°E
					Dist. 127.1°
9	eLR	10	13	14	Off northeast coast
					of Formosa
					24 1/2°N 123°E
					Dist. 112.8°

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Date	Phase	h	m	s	Remarks
1955					
Mar.					
9	iP	17	19	52	Northern Peru
					USCGS 0 = 17 11 23
					50°S 79°W
					Dist. 46°
10	eLQ	03	51	33	Near coast of Nicaragua
	eLR	03	55	16	USCGS 0 = 03 38 38
					12 1/2°N 87°W
					Dist. 30.2°
10	eLQ	05	10	59	Off coast of El
	eLR	05	12	28	Salvador
					USCGS 0 = 04 55 10
					10° N 90 1/2°W
					Dist. 34.1°
10	eSKS	21	35	14	Samoa Islands
	eSKS	21	35	44	USCGS 0 = 21 10 11
	ePS	21	38	09	15°S 174°W
	ePPS	21	39	16	Mag 6 1/4 - 6 1/2
	eSS	21	44	10	(Berkeley)
	eLR	21	59	24	Dist. 107.3°
11	eL	09	33	52	Near coast of Oaxaca,
					Mexico
					USCGS 0 = 09 10 44
					16°N 98°W
					Mag 5.9 (Tacubaya)
					Dist. 32.4°
13	eLR	04	14	14	Kurile Islands
					USCGS 0 = 04 03 53
					49 1/2°N 155 1/2°E
					Depth 60 km
					Dist. 79.6°
13	iP	23	37	36	Lesser Antilles
	eS	23	41	25	USCGS 0 = 23 31 54
	e	23	41	39	19°N 63 1/2°W
	i	23	37	48	Dist. 23.6°

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Date	Phase	h	m	s	Remarks
1955					
Mar.					
14	iP	13	22	28	Andreanof Islands, Aleutian Islands
	P (Z) 7 sec 2 mic				
	epP	13	23	04	USCGS 0 = 13 12 04
	esP	13	23	19	52 1/2°N 173 1/2°W
	ePP	13	24	54	Depth 100 km
	ePPP	13	26	38	Mag 7 (Pasadena)
	iS	13	30	51	Dist. 63.6°
	iPS	13	31	34	
	eSS	13	35	28	
	eSSS	13	36	44	
	eSSSS	13	38	53	
	eLQ	13	39	16	
	eLR	13	42	24	
14	e(PP)	18	11	29	S. Sandwich Islands region BCIS 0 = 17 53 42 56 1/2°S 27°W Dist. 105°
15	eLR	12	08	38	Samoa Islands USCGS 0 = 11 16 12 14 1/2°S 174°W Dist. 107.2°
16	eLR	13	38	04	Off coast of Liberia USCGS 0 = 13 05 53 3°S 13°W Dist. 70.5°
16	eL	21	13	04	Hindu Kush USCGS 0 = 20 39 20 38°N 71°E Dist. 94.9°
16	eS	22	07	03	Easter Island region USCGS 0 = 21 45 14 26 1/2°S 115°W Dist. 77.4°
17	eL	18	36	10	New Britain

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Date	Phase	h	m	s	Remarks
1955					
Mar.					
18	eP	00	18	20	Near east coast of Kamchatka
	iP	00	18	23	
	P (Z) 15 sec 6 mic				USCGS 0 = 00 06 42 54 1/2°N 161°E
	ePP	00	21	01	Mag 7 1/4 - 7 1/2 (Pasadena)
	ePPP	00	23	10	Dist. 73.6°
	iS	00	27	45	
	eSS	00	33	12	
	i (SSS)	00	36	18	
	eLQ	00	38	15	
	eLR	00	41	35	
19	eL	12	26	54	Kermadec Islands region Apia 01 24 42 24°S 178°W Dist. 115.7°
19	eLR	17	35	07	Off coast of El Salva- dor USCGS 0 = 17 15 23 13°N 90°W Dist. 30.2°
20	iP	20	19	42	Guatemala
	epP	20	20	00	USCGS 0 = 20 13 42
	eS	20	24	46	15°N 92°W
	eLQ	20	25	16	Depth 150 km Dist. 30.2°
22	eS	02	45	19	North Atlantic Ocean
	eLR	02	49	00	USCGS 0 = 02 33 09 45°N 28°W Mag 5 1/2 (Prague) Dist. 33.4°
22	e	06	59	21	North Atlantic Ocean BCIS 0 = 06 44 04
22	eLR	14	19	36	Yukon USCGS 0 = 13 55 38 65 1/2°N 133°W Dist. 40.9°

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PALISADES, NEW YORK

Date	Phase	h	m	s	Remarks
1955					
Mar.					
22	iPKP	14	24	44	Indian Ocean
	PKP (Z) 6 sec 15 mic				USCGS 0 = 14 05 04
	iPP	14	28	07	8 1/2°S 92°E
	ePPP	14	31	10	Mag 7 (Pasadena)
	e (PcPPKP)	14	32	50	Dist. 145.4°
	eSKKS	14	34	59	
	ePKKS	14	37	45	
	e (SKKS)	14	41	04	
	e (SKKKS)	14	42	10	
	eSS	14	47	12	
	eSSS	14	52	45	
	eSKSSKS	14	55	00	
	e (SS)	14	57	46	
	e	15	01	46	
	eLQ	15	05	53	
	eLR	15	12	06	
23	i	05	14	08	Indian Ocean USCGS 0 = 04 54 31
23	eLR	18	28	13	South west of Mac- quarie Island USCGS 0 = 17 16 17 56 1/2°S 147°E Mag 7 - 7 1/4 (Rome) Dist. 149.5°
25	e	04	03	15	
25	eP	06	03	24	Virgin Islands region
	iP	06	03	29	BCIS 0 = 05 58 02
	eS	06	07	24	19°N 65 1/2°W Dist. 23°
26	e	14	40	28	
	e	14	42	39	
28	eLR	10	07	09	Ryukyu Islands USCGS 0 = 09 12 09 29°N 130°E Dist. 106.8°

PALISADES, NEW YORK

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Date	Phase	h	m	s	Remarks
1955					
Mar.					
29	eP	17	52	29	Leeward Islands
	iS	17	56	50	USCGS 0 = 17 46 30
	eS	17	56	58	72 1/2°N 62 1/2°W Dist. 26.2°
30	eL	12	47	29	Off east coast of Kamchatka USCGS 0 = 12 07 24 52°N 160°E Dist. 76° 05'
31	eP	18	33	14	Near northwest coast
	ePKP	18	36	18	of Mindanao Island
	PKP (Z) 8 sec 3 mic				USCGS 0 = 18 17 00
	iPP	18	38	28	Depth 60 km (Shillong)
	ePKS	18	39	48	Mag 7 1/2 (Pasadena)
	ePPP	18	41	24	Dist. 128.5°
	eSKKS	18	45	26	
	ePPS	18	50	07	
	e	18	51	17	
	eSS	18	55	47	
	eLQ	19	10	17	
	eLR	19	18	40	
31	iPP	21	13	59	Philippine Islands aftershock USCGS 0 = 20 52 39 8°N 124 1/2°E Dist. 128.2°
April					
1	e	09	39	17	Solomon Islands BCIS 0 = 08 40 18
1	eL	19	02	33	Iceland USCGS 0 = 18 41 27 64°N 21°W Mag 5 (Prague) Dist. 38.5°

Date	Phase	h	m	s	Remarks
1955					
April					
4	e (PPS)	11	41	40	Near south coast of Formosa
	eLR	12	06	00	USCGS 0 = 11 11 21 22°N 121°E Mag 6 Dist. 115.7°
4	iP	19	30	19	Nicaragua
	iS	19	35	26	USCGS 0 = 19 24 04
	eLQ	19	37	00	13°N 87°W
	eLR	19	39	00	Mag. 6 1/4 (Pasadena) Dist. 29.8°
5	iP	15	16	00	Gulf of California
	ePP	15	17	19	USCGS 0 = 15 09 15
	iS	15	21	27	25°N 110°W
	iSS	15	23	31	Mag 7
	eLQ	15	26	17	Dist. 33.9°
	eLR	15	27	15	
5	eP	16	23	19	Gulf of California
	ePcP	16	26	00	aftershock
	eLR	16	34	32	USCGS 0 = 16 16 24 24 1/2°N 110°W Dist. 34.1°
6	eLR	14	01	07	Mascarene Islands region
					USCGS 0 = 12 50 50 17 1/2°S 66 1/2°E Mag 5 3/4 (Kiruna) Dist. 138.6°
6	ePKP	20	08	47	Indian Ocean
	ePKP	20	09	43	USCGS 0 = 19 48 46
	ePP	20	13	35	33 1/2°S 87°E
	eSKS	20	15	40	Mag 6 (Kiruna)
	ePPP	20	17	15	Dist. 163.2°
	eLR	21	07	57	

Date	Phase	h	m	s	Remarks
1955					
April					
8	e	17	14	27	Tonga Islands
					BCIS 0 = 16 12 04
9	eP	13	04	18	Randolph County, Ill.,
	iS	13	06	33	U.S.A.
	eLg	13	07	47	USCGS 0 = 13 01 18
	e (L)	13	08	04	
9	iP	15	30	34	Central Peru
	i	15	30	45	USCGS 0 = 15 21 41 10°S - 75°W Dist. 50.6°
9	iP	16	02	21	
10	iPKP	17	57	23	Mindanao, Philippines
	ePP	17	59	28	aftershock
	ePKS	18	01	10	USCGS 0 = 17 38 12
	eLR	18	41	09	8°N 125°E Mag. 6 1/2 (Berkeley)
11	eLR	01	50	44	Near northeast coast of New Guinea
					USCGS 0 = 00 50 21 6°S 147 1/2°E Dist. 129.6°
11	eS	20	32	27	Nicaragua-Honduras
	eLQ		34	14	border
	eLR		38	23	USCGS 0 = 20 21 16 13 1/2°N 87°W Dist. 29.7°
12	eLR	18	34	42	Fox Islands, Aleutian Islands
					USCGS 0 = 18 02 03 52°N 170°W Dist. 62.3°

Date	Phase	h	m	s	Remarks
1955					
April					
13	eLR	21	20	22	Southern Greece USCGS 0 = 20 45 45 37 1/2°N 22°E Mag 6 1/4 (Kiruna) Dist. 70.7°
14	eP	01	43	39	Sikang Province, China USCGS 0 = 01 28 58 30°N 101 1/2°E Mag 7 1/4 (Pasadena) Dist. 109.0°
	ePKP	01	47	07	
	ePP	01	48	03	
	ePPP	01	50	29	
	eSKS	01	54	12	
	eS	01	55	43	
	iPS	01	57	31	
	iPPS	01	58	39	
	e (PKKS)	02	01	47	
	eSS	02	03	26	
	eSSS	02	07	31	
	e	02	08	22	
	eLQ	02	14	37	
	eLR	02	20	31	
14	eL	12	57	07	Fox Islands, Aleutian Islands USCGS 0 = 12 25 34 52 1/2°N 170°W Dist. 62.0°
15	iP	03	54	15	Khirgiz S.S.R. USCGS 0 = 03 40 52 40°N 74 1/2°E Mag 7 (Pasadena) Dist. 94.2°
	P (Z) 8 sec 2 1/2 mic				
	ePP	03	57	49	
	PP (Z) 13 sec 2 mic				
	ePPP	03	59	59	
	iSKS	04	04	46	
	ePS	04	06	45	
	eSS	04	11	37	
	i	04	12	35	
	e (SSS)	04	16	03	
	e	04	19	15	
	eLR	04	25	47	

Date	Phase	h	m	s	Remarks
1955					
April					
16	eL	22	19	56	Near east coast of Kamchatka USCGS 0 = 21 40 30 53 1/2°N 162°E Dist. 74.1°
17	eL	13	28	56	Near east coast of Kamchatka USCGS 0 = 12 48 55
17	iP	18	47	14	Off south coast of Kamchatka USCGS 0 = 18 35 27 52°N 159 1/2°E Depth 60 km Mag 6 3/4 (Pasadena) Dist. 76.3°
	isP	18	47	39	
	iPcP	18	47	58	
	ePP	18	50	07	
	ePPP	18	51	46	
	iS	18	56	55	
	iPS	18	57	44	
	eSS	19	01	59	
	eSSS	19	05	26	
	eLR	19	11	51	
18	e	09	50	40	150 Miles north of Formosa BCIS 0 = 08 47 57 25 1/4°N 124°E Dist. 112.9°
18	iP	22	57	38	Near east coast of Greece USCGS 0 = 16 47 17 39 1/2°N 23°E Mag 6 1/4 (Prague) Dist. 69.6°
	iS	22	57	51	
	eLR	22	57	54	
19	iP	16	58	35	
	iS	17	07	46	
	e	17	16	16	
	eLQ	17	17	28	
	eLR	17	22	21	

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PALISADES, NEW YORK

Date	Phase	h	m	s	Remarks
1955					
April					
19	iP	20	35	23	Near coast of Central Chile
	ipP	20	35	36	
	iPPP	20	39	30	USCGS 0 = 20 24 05
	iS	20	44	42	30°S 72°W
	i (SS)	20	48	16	Mag 7 (Pasadena)
	eLQ	20	52	46	Dist. 70.6°
	eLR	20	58	04	
20	eP	02	23	54	Central Chile after-shock
	iS	02	37	14	
	e (SS)	02	38	14	USCGS 0 = 02 12 26
	eSn	02	41	11	30°S 72 1/2°W
	eL	02	51	16	Mag 6 1/2 (Pasadena) Dist. 70.6°
20	eP	05	59	54	Central Chile after-shock
	iS	06	09	11	
	eSS	06	13	56	USCGS 0 = 05 48 27
	eLR	06	23	31	30 1/2°S 72 1/2°W Mag 6 1/2 (Pasadena) Dist. 71.3°
20	e	09	07	01	
20	eLR	09	25	16	Grand Atlas, Morocco Casablanca 0 = 09 01 20 31°N 8°W Dist. 53.0°
20	e	19	04	12	
	e	19	28	59	
21	eP	07	29	34	Near east coast of Greece
	eS	07	38	52	
	eLQ	07	46	30	USCGS 0 = 07 18 17
	eLR	07	54	55	39 1/2°N 23°E Mag 6 (Kiruna) Dist. 69.6°

PALISADES, NEW YORK

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Date	Phase	h	m	s	Remarks
1955					
April					
22	e	01	29	34	Sandwich Islands region
	e	01	36	34	USCGS 0 = 01 03 56
	e	01	46	25	
	eLR	01	57	21	
22	eP	16	40	00	Kurile Islands
	eL	17	10	22	USCGS 0 = 16 27 31 46°N 150 1/2°E Depth 100 km Dist. 84.6°
23	e	03	40	10	Northeast of Formosa BCIS 0 = 02 32 36
23	eP	04	09	22	Central Chile after-shock
	iS	04	18	41	
	eSS	04	23	15	USCGS 0 = 03 58 03
	eLR	04	36	10	
23	iP	18	40	31	Easter Island region
	iS	18	50	09	USCGS 0 = 18 28 47
	iSS	18	55	04	24 1/2°S 113°W
	eLR	19	03	47	Mag 6 3/4 (Pasadena) Dist. 75.6°
24	iP	12	50	18	Windward Passage
	iS	12	54	28	USCGS 0 = 12 45 25
	eLR	12	56	09	19°N 74°W Dist. 21.8°
24	iP	13	12	24	Sinkiang Province, China
	iS	13	22	54	
	eSKS	13	24	44	USCGS 0 = 12 59 00
	eSS	13	29	39	45°N 86°E
	eLR	13	46	51	Mag 6 1/4 (Kiruna) Dist. 92.3°
24	iP	13	14	40	Kurile Islands region
					CMO Japan 0 = 13 02 02 44 1/2°N 149 1/2°E Dist. 86.2°

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PALISADES, NEW YORK

Date	Phase	h	m	s	Remarks
1955					
April					
24	eL	21	05	52	Central Bolivia USCGS 0 = 20 34 35 17°S 65°W Dist. 58.4°
25	eLR	11	00	54	California-Mexico border USCGS 0 = 10 43 08 32°N 115°W Mag 5 (Pasadena) Dist. 33.9°
26	iP	03	09	51	Near coast of El Salvador USCGS 0 = 03 03 34 13 1/2°N 89 1/2°W Depth 60 km Mag 6 1/2 (Pasadena) Dist. 30.5°
	ePP	03	10	45	
	e	03	11	41	
	eS	03	14	31	
	eLQ	03	15	18	
26	eS	21	54	53	Near coast of El Salvador Tacubaya 0 = 21 43 33 13 1/2°N 89 1/2°W Depth 60 km Dist. 30.5°
	eLR	21	59	42	
27	e	03	36	12	
28	eP	00	45	50	Pacific Ocean USCGS 0 = 00 35 49 8 1/2°S 108 1/2°W Mag 6 (Pasadena) Dist. 58.7°
	eLQ	01	01	00	
28	iP	19	15	55	Andreanof Islands, Aleutian Islands USCGS 0 = 19 04 59 51°N 178 1/2°W Mag 6 1/2 (Pasadena) Dist. 67.2°
	ipP	19	16	19	
	iS	19	24	52	
	eLQ	19	32	51	
	eLR	19	37	07	

PALISADES, NEW YORK

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Date	Phase	h	m	s	Remarks
1955					
April					
30	e	01	40	06	Near coast of Nicaragua USCGS 0 = 01 32 25 12 1/2°N 87°W Mag 5 1/2 (Rome)
	i	01	44	21	
	eLQ	01	45	41	
	eLR	01	48	41	
30	eLR	09	30	46	Nicaragua aftershock USCGS 0 = 09 15 00 12 1/2°N 86 1/2°W Dist. 29.9°

LAMONT GEOLOGICAL OBSERVATORY
COLUMBIA UNIVERSITY

PALISADES, NEW YORK



SEISMOLOGICAL BULLETIN

By

REV. HENRY J. MILLER, S.J.

1 May, 1955 to 31 August, 1955



L.G.O. Contribution No. 404

STATION CONSTANTS, INSTRUMENTS AND ABBREVIATIONS

Latitude: 41° 00' 25" North
 Longitude: 73° 54' 31" West
 Elevation: 102.59 meters
 Bedrock: Palisades diabase Triassic Age

INSTRUMENTS

Three component Columbia University seismographs
 To = 12 sec., Tg = 15 sec.

Three component Benioff seismographs. Short period, To = 1 sec.,
 Tg = 0.2 sec. Long period, To = 1 sec., Tg = 75 sec.

One Columbia University vertical seismograph. To = .33 sec.
 Tg = 0.2 sec.

Three component Columbia University visual recording seismographs.
 To = 12 sec.

One Columbia University vertical seismograph for visual recording.
 To = 1 sec.

Three component Columbia University long period seismographs.
 To = 15 sec., Tg & 75 sec.

Two Columbia University Microbarographs. To = 10 sec., Tg = 75 sec.

ABBREVIATIONS

i = sudden beginning of the motion (impetus)

e = gradual beginning of the motion (emersio)

Lg = short period continental surface shear wave

Rg = continental Rayleigh wave

All times are G. C. T.

Time - I. B. M. Invar pendulum clock corrected by Naval Observatory time signals every 6 hours.

PALISADES, NEW YORK

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Date	Phase	h	m	s	Remarks
1955					
May					
1	eP	10	08	34	Off coast of northern
	iPP	10	12	24	Honshu, Japan
	iS	10	19	30	USCGS 0 = 09 55 16
	eSS	10	25	50	Dist. 93.3
	eLQ	10	35	50	39 1/2°N 143 1/2°E
	eLR	10	41	23	Mag 6 3/4
1	iS	14	22	56	Honshu aftershock
	eSS	14	29	10	USCGS 0 = 13 58 44
	eLQ	14	36	24	Dist. 93.3°
	e (LR)	14	40	10	39 1/2°N 143 1/2°E Mag 6
2	eLR	13	34	00	Mariana Islands USCGS 0 = 12 39 06 Dist. 110.2° 19°N 145°E Depth 100 km
3	eLR	13	33	11	
3	eLR	16	10	40	New Hebrides Islands USCGS 0 = 15 15 07 Dist. 120.4° 12 1/2°S 166 1/2°E
3	e (SKKS)	17	31	53	Near coast of northern
	ePS	17	33	30	Honshu
	eLR	17	55	12	USCGS 0 = 17 07 33 Dist. 93.1° 39 1/2°N 143°E
4	ePS	00	45	54	Northern Assam
	eLR	01	11	30	USCGS 0 = 00 16 59 Dist. 110.8° 28°N 96 1/2°E
4	e	10	27	59	
5	e	03	15	44	
5	e (PPS)	06	20	40	Kermadec Island region
	eLR	06	45	09	USCGS 0 = 05 48 30 Dist. 121.7° 33°S 179 1/2°W
6	eLR	00	50	00	Near coast of N. Honshu USCGS 0 = 00 04 31 Dist. 92.7° 40°N 143°E

2					PALISADES, NEW YORK				
Date	Phase	h	m	s	Remarks				
1955									
May									
6	iP	11	46	06	North Atlantic Ocean				
	i (PP)	11	46	46	USCGS 0 = 11 39 53				
	eLR	11	52	04	Dist. 30.5° 35 1/2°N 36°W				
7	e (Lg)	12	10	04	Near Clear Lake, Calif. USCGS 0 = 11 50 40 Dist. 36.9° 39°N 122 1/2°W				
8	e	03	56	53	Yukon, Canada				
	eLg	03	59	13	USCGS 0 = 03 35 16 Dist. 41.0° 65 1/2°N 133 1/2°W				
8	e	09	55	37	Idaho-Wyoming border USCGS 0 = 09 38 16 Dist. 27.3° 42 3/4°N 110 3/4°W				
8	e	10	47	33	Gulf of California				
	eLg	10	48	57	USCGS 0 = 10 31 40 Dist. 33.7° 25 1/2°N 110°W				
11	iP	11	11	49	Ecuador				
	i (pP)	11	12	13	USCGS 0 = 11 04 00				
	iPP	11	13	25	Dist. 41.0°				
	iS	11	18	10	0 - 78°W				
	iSS	11	21	05	Mag 6 3/4				
	eLR	11	22	57					
11	e	16	48	05	Off north coast of Luzon Isl., Philippines USCGS 0 = 16 37 10 Dist. 118.1° 19 1/2°N 121 1/2°E				
13	iP	03	35	08	Virgin Islands region				
	iS	03	39	28	USCGS 0 = 03 29 49				
	eL	03	40	53	Dist. 23.7°				
	T max	03	58	55	19°N 63 1/2°W				

PALISADES, NEW YORK					3				
Date	Phase	h	m	s	Remarks				
1955									
May									
13	eP	05	26	25	Virgin Islands aftershock				
	i	05	26	40	USCGS 0 = 05 21 09				
	iS	05	30	37	Dist. 23.7°				
	e	05	37	43	19°N 63 1/2°W				
13	i	05	42	16					
	e	05	43	40					
13	eP	07	04	48	Virgin Islands aftershock				
	e	07	11	53	USCGS 0 = 06 59 26 Dist. 23.7° 19°N 63 1/2°W				
13	e	14	01	45					
14	e	06	27	24	Bonin Island region				
	e	06	28	10	USCGS 0 = 06 04 14				
	e	06	30	03	Dist. 54.4° 28°N 139 1/2°E Mag 6 3/4 - Depth 500 km				
14	iP	12	47	12	Kenai Peninsula, Alaska				
					USCGS 0 = 12 38 08 Dist. 49.8° 59 1/2°N 151 1/2°W Depth 100 km				
14	i (P)	20	08	12	Pacific Ocean - off coast of lower California USCGS 0 = 20 00 00 Dist. 51.7° 29°N 126 1/2°W				
17	ePKP	15	09	11	Nicobar Islands				
	ePP	15	11	24	USCGS 0 = 14 49 47				
	iPKS	15	12	27	Dist. 131.1°				
	i	15	12	56	7°N 94 1/2°E				
	eSKS	15	16	15	Mag 7				
	i (SKKS)	15	17	47					
	i (SS)	15	29	06					
	eLQ	15	46	01					
	eLR	15	52	46					

4						PALISADES, NEW YORK					
Date	Phase	h	m	s	Remarks						
1955											
May											
18	e	06	25	14	Near coast of Formosa USCGS 0 = 05 26 14 Dist. 114.7° 23°N 121 1/2°E						
19	i	02	31	13							
19	eS	03	25	04	Near north coast of Iceland USCGS 0 = 03 11 20 Dist. 40.1° 66 1/2°N 17°W						
	eLR	03	29	56							
19	iP	07	17	11	Northern Chile USCGS 0 = 07 07 13 Dist. 59.9° 19°S 69°W Depth 100 km						
	eS	07	25	15							
	e	07	26	53							
	eL	07	36	00							
21	ePP	03	48	26	Bonin Island region USCGS 0 = 03 30 06 Dist. 103.4° 29°N 140 1/2°E						
	iSKS	03	54	49							
	eSS	04	03	23							
	eLR	04	19	18							
21	i	15	47	41	Eastern Java USCGS 0 = 15 27 10						
	eLR	16	28	50							
22	eLR	14	56	08	Marianas Islands USCGS 0 = 14 05 35 Dist. 109.8° 18°N 147 1/2°E						
22	e	21	25	36							
22	e	23	43	36							
22	iP	23	54	22	Central Peru USCGS 0 = 23 45 17 Dist. 51.8° 11°S 74°W -Depth 100 km						
	i	23	54	44							
23	ePP	18	02	14	New Hebrides Islands USCGS 0 = 17 41 40 Dist. 121.9° 18°S 169°E						
	e (PPS)	18	13	56							
	eSS	18	18	57							
	eLR	18	38	56							
23	e	23	34	49	Fiji Islands USCGS 0 = 21 25 22 Depth 250 km						

5						PALISADES, NEW YORK					
Date	Phase	h	m	s	Remarks						
1955											
May											
24	e	02	04	16	Kuriles region USCGS 0 = 01 12 11						
24	e	06	51	54							
24	e	10	30	06							
25	iP	03	15	22	Off coast of Guatemala USCGS 0 = 03 08 58 Dist. 31.4° 14°N 92 1/2°W						
	e	03	15	29							
	eS	03	20	32							
	e	03	20	59							
	eLR	03	24	04							
25	ePP	12	33	24	North Atlantic Ocean USCGS 0 = 12 25 25 Dist. 34.0° 46°N 27°W						
	eS	12	37	34							
	eLR	12	40	44							
25	eLR	19	02	06	North Kurile Islands USCGS 0 = 18 20 53 Dist. 80.6° 48°N 157°E						
26	eLR	07	14	00	Near coast of Venezuela USCGS 0 = 06 59 13 Dist. 31.4° 10 1/2°N 65°W						
26	eP	16	38	33	Solomon Islands USCGS 0 = 16 23 10 Dist. 122.8° 10°S 161°E Mag 7						
	iPP	16	43	47							
	ePS	16	53	47							
	eSS	17	00	30							
	eLQ	17	14	57							
	eLR	17	23	43							
26	eLR	23	19	53	Solomon Islands aftershock USCGS 0 = 21 20 57 Dist. 123.0° 10°S 160 1/2°E						
26	eLR	13	29	33	Solomon Islands aftershock USCGS 0 = 12 26 39 Dist. 123.0° 10°S 160 1/2°E						

6						PALISADES, NEW YORK					
Date	Phase	h	m	s	Remarks						
1955											
May											
27	iP	17	34	22							
	iS	17	34	43							
	eLR	17	34	58							
27	iP	19	25	49	Sumbawa Islands						
	i	19	26	47	USCGS 0 = 19 06 14						
28	iP	06	31	45	Cordoba Province,						
	ipP	06	32	28	Argentina						
	isP	06	32	50	USCGS 0 = 06 20 40						
	iPP	06	34	16	Dist. 71.6°						
	i (PPP)	06	35	14	30 1/2°S 65°W						
	iS	06	40	52	Depth 200 km						
	isS	06	42	06							
	eSS	06	44	55							
	eSSS	06	48	46							
	eLQ	06	50	01							
29	eP	11	18	00	Northern Kurile Island						
	iPcP	11	18	11	USCGS 0 = 11 05 50						
	eS	11	27	54	Dist. 79.8°						
	eLR	11	45	36	49°N 157°E						
29	iP	12	50	56							
29	eP	13	40	41	Near south coast of						
	iS	13	48	11	Kodiak Island						
	iSS	13	52	09	USCGS 0 = 13 31 26						
	eLR	14	00	42	Dist. 52.7°						
					56°N 155°W						
					Mag 5 3/4						
29	ePKP	15	53	55	Off south coast of Java						
	ePP	15	57	33	USCGS 0 = 15 34 00						
	ePPP	16	00	56	Dist. 149.3°						
	eSKKS	16	04	19	10 1/2°S 110 1/2°E						
	eSKSP	16	07	51	Mag 6 3/4						
	eSS	16	16	36							
	eLQ	16	35	51							
	eLR	16	45	31							

PALISADES, NEW YORK						7
Date	Phase	h	m	s	Remarks	
1955						
May						
29	eP	21	12	26	Kodiak Island aftershock	
	eS	21	19	54	USCGS 0 = 21 03 07	
	eScS	21	22	01	Dist. 52.6°	
	eSS	21	24	00	56°N 155°W	
	eLg	21	32	28		
30	eLR	09	14	40	Samoa Island region	
					USCGS 0 = 08 24 00	
30	e (S)	09	49	10	Off south coast of	
	e (SS)	09	52	49	Alaska Peninsula	
	eLR	09	59	26	USCGS 0 = 09 32 10	
30	e (P)	12	45	04	Volcano Island	
	i (pP)	12	47	01	USCGS 0 = 12 31 41	
	i	12	49	06	Dist. 106.8°	
	iPP	12	49	32	24 1/2°N 142 1/2°E	
	e (pPP)	12	51	33	Mag 7 1/4	
	e	12	52	26	Depth 600 km	
	iSKS	12	54	44		
	eS	12	55	33		
	i	12	56	10		
	i	12	57	55		
	i	13	01	33		
	iSS	13	04	02		
	iSSS	13	07	45		
	iSSSS	13	11	39		
	iSSSSS	13	14	20		
	eL	13	16	20		
30	iPKP	23	46	11	Western New Guinea	
	ePP	23	48	45	USCGS 0 = 23 26 50	
	ePKS	23	49	33	Dist. 133.0°	
	iSKKS	23	55	28	3°S 137°E	
	ePS	23	58	54	Mag 6 1/2	
	ePPS	00	00	37		
	eSS	00	06	11		
	eLR	00	30	42		
31	ePP	09	50	35	Kermadec Islands region	
	eSKS	09	56	01	USCGS 0 = 09 30 44	
	ePS	10	00	19	Dist. 114.1°	
	eLQ	10	20	33	22°S 177 1/2°W	
					Mag 6 3/4	
					Depth 100 km	

PALISADES, NEW YORK					
Date	Phase	h	m	s	Remarks
1955					
May					
31	iP	18	05	25	Galapagos Island
	e	18	06	29	USCGS 0 = 17 57 12
	ePP	18	07	10	Dist. 44.0°
	ePPP	18	07	36	
	eS	18	12	03	
	eSS	18	15	32	
	eLR	18	18	52	
June					
1	e	09	59	48	
2	iP	00	29	55	Andreanof Islands,
	iPcP	00	30	20	Aleutians
	iPP	00	32	40	USCGS 0 = 00 18 56
	iS	00	38	49	Dist. 68.6°
	iPPS	00	39	48	51 1/2°N 180°
	iSS	00	44	08	Mag 6 3/4
	eSSS	00	46	45	
	eLQ	00	49	30	
	eLR	00	53	25	
2	iP	02	13	10	Andreanof Islands
	iS	02	22	53	aftershock
	eLR	02	37	04	USCGS 0 = 02 02 10
					Dist. 68.6°
					51 1/2°N 180°
2	e (LR)	12	32	11	Bismark Sea
					USCGS 0 = 11 25 56
2	e (S)	23	55	03	Near west coast of
					Turkey
					USCGS 0 = 23 34 31
					Dist. 71.1°
					40°N 25 1/2°E
3	e	15	35	28	
4	eS	17	15	34	Off coast of Northern
	eLQ	17	31	45	Honshu, Japan
	eLR	17	37	47	USCGS 0 = 16 51 22
					Dist. 93.5°
					40°N 142 1/2°E
					Depth 60 km

PALISADES, NEW YORK					
Date	Phase	h	m	s	Remarks
1955					
June					
5	iP	02	04	16	Andreanof Islands
	iPcP	02	04	44	USCGS 0 = 01 53 16
	eS	02	13	07	Dist. 68.6°
	eLR	02	25	57	61 1/2°N 180°
					Mag 6 1/4 - 6 1/2
5	eLR	07	03	59	Near northeast coast
					of Formosa
					USCGS 0 = 06 11 18
					Dist. 113.2°
					24 1/2°N 122°E
5	eSS	15	17	37	Near north coast of
	eLR	15	23	30	Algeria
					USCGS 0 = 14 56 13
					Dist. 57.3°
					36 1/2°N 1 1/2°E
5	e (LR)	23	24	43	Marianas Islands
					USCGS 0 = 22 45 17
6	eLR	02	10	42	Marianas Islands
					USCGS 0 = 01 17 09
					Dist. 116.7°
					12°N 144°E
6	e (LR)	13	37	52	Solomon Islands
					USCGS 0 = 14 36 49
					Dist. 122.7°
					11°S 162°E
6	e (LR)	22	11	48	Solomon Islands
7	e (PPS)	01	18	16	Sikiang Prov., China
	eSS	01	23	24	USCGS 0 = 00 48 56
	e	01	28	16	Dist. 111.7°
	eLR	01	40	28	27 1/2°N 101°E
7	eLR	04	54	00	
7	eLR	16	26	53	Sikiang Prov., China
					USCGS 15 30 15
					Dist. 112.1°
					27°N 100 1/2°E

10					PALISADES, NEW YORK				
Date	Phase	h	m	s	Remarks				
1955									
June									
8	e	21	09	02					
10	e	01	02	35					
10	eLQ	22	46	24	Fiji Islands				
	eLR	22	49	42	USCGS 0 = 22 00 31				
11	iP	22	29	47	Santiago del Estero Prov.				
	epP	22	31	48	Argentina				
	ePP	22	32	48	USCGS 0 = 22 19 40				
	iS	22	38	06	Dist. 68.4°				
	e (SS)	22	41	30	27°S 63°W Dept. 600 km				
12	eLR	02	14	50	Kermadec Island USCGS 0 = 01 15 25 Dist. 118.7°				
12	iP	20	43	00	Kurile Islands				
	ePP	20	46	04	USCGS 0 = 20 30 45				
	eS	20	53	07	Dist. 80.5°				
	eSS	20	58	36	49°N 155°E				
	eLR	21	09	04					
14	iP	06	18	23	Off coast of Colina,				
	iPP	06	19	30	Mexico				
	iS	06	23	59	USCGS 0 = 06 11 18				
	ePcS	06	24	31	Dist. 35.0°				
	eLQ	06	26	29	20°N 107°W				
	eLR	06	28	41					
14	ePP	17	39	26	Near east coast of				
	eSKS	17	46	02	Honshu, Japan				
	e (SS)	17	52	44	USCGS 0 = 17 21 57				
	eLR	18	08	04	Dist. 96.5° 36 1/2°N 141 1/2°E				
14	e	19	51	43	Near west coast of lower California USCGS 0 = 19 30 53 Dist. 36.1° 25°N 113°W				

PALISADES, NEW YORK					11				
Date	Phase	h	m	s	Remarks				
1955									
June									
15	e	03	31	52	Loyalty Islands				
	eLR	03	59	20	USCGS 0 = 03 01 05 Dist. 123.7° 21°S 169°E				
15	eLR	16	32	22	New Ireland USCGS 0 = 15 36 27 Dist. 123.4° 3°S 153°E Depth 100 km				
16	e (LR)	05	54	46	Mariana Islands USCGS 0 = 04 53 30				
16	e (LR)	07	01	36	Mariana Islands USCGS 0 = 06 04 36				
16	iP	12	44	25	Off coast of lower				
	ePP	12	45	37	California				
	eS	12	49	55	USCGS 0 = 12 37 15				
	eLR	12	54	41	Dist. 36.5°				
	eLg	12	56	04	25°N 113 1/2°W				
17	ePS	08	36	01	Near east coast of				
	eSS	08	42	24	Formosa				
	eLR	08	59	58	USCGS 0 = 08 06 31 Dist. 115.6° 22°N 122°E				
17	e	22	53	38	Lower California BCIS 0 = 22 35.4				
18	e	06	36	44	Fiji BCIS 0 = 05 47.2				
18	e	17	06	51	Near east coast of Formosa USCGS 0 = 16 07 20 Dist. 113.7° 24°N 122°E				

12		PALISADES, NEW YORK			
Date	Phase	h	m	s	Remarks
1955					
June					
19	e (P)	00	43	38	
	e	00	44	24	
	e (S)	00	49	00	
	e	00	54	52	
	e	00	58	26	
19	e (LQ)	19	37	44	Near Fallon, Nevada
	e (LQ)	19	41	50	USCGS 0 = 19 21 05 Dist. 34.0° 39°N 118 1/2°W Mag 5 1/4
19	eP	21	35	29	Fox Islands, Aleutians
	eS	21	43	45	USCGS 0 = 21 25 21
	e (SSS)	21	49	36	Dist. 59.5° 53 1/2°N 166°W
20	eP	12	18	24	Andreanof Islands,
	iP	12	18	25	Aleutians
	epP	12	19	00	USCGS 0 = 12 07 25
	iS	12	27	14	Dist. 68.7°
	iPS	12	27	58	51 1/2°N 180°
	iSS	12	32	30	Mag 6 3/4
	iSSS	12	35	11	
	eLR	12	39	18	
21	iP	11	02	47	Off coast of Kamchatka
	e (PS)	11	13	01	USCGS 0 = 10 51 00
	eSS	11	17	38	Dist. 75.6°
	eLR	11	31	41	52°N 161 1/2°E
21	eS	21	50	46	Near coast of northern Peru
					USCGS 0 = 21 35 07
					Dist. 48.2°
					7°S 80 1/2°W
22	e (LR)	09	47	37	North Atlantic
	e (LR)	09	52	20	USCGS 0 = 09 38 52
					Dist. 34.4°
					62°N 28°W
22	e (LR)	12	08	32	Fiji Islands region
					USCGS 0 = 11 11 25

13		PALISADES, NEW YORK			
Date	Phase	h	m	s	Remarks
1955					
June					
22	e (LR)	14	44	25	
23	iP	22	26	13	Kurile Islands
	eSKS	22	36	31	USCGS 0 = 22 13 31
	ePS	22	37	41	Dist. 86.6°
	eLR	22	58	45	44 1/2°N 149°E Depth 60 km
24	e	06	02	44	
27	e	01	50	39	
	e	02	11	23	
	eLR	02	16	14	
27	ePP	10	32	20	India-Tibet border
	ePPP	10	34	32	USCGS 0 = 10 14 06
	eSKS	10	38	53	Dist. 103.0°
	ePS	10	41	35	32°N 78 1/2°E
	eLQ	10	58	40	
	eLR	11	03	58	
27	e	16	34	34	Halmahera
	e	17	24	23	USCGS 0 = 16 11 44
					Dist. 133.5°
					1°N 128 1/2°E
28	iP	05	37	20	100 Miles off east coast
	iS	05	44	45	of Mindinao, Philippines
	eSS	05	48	44	Dist. 52°
	eLR	05	53	03	USCGS 0 = 05 27 34
29	e (LR)	01	19	33	
29	e	04	49	37	Off north coast of Mindinao, Philippines
29	i	05	08	29	Java coast
					USCGS 0 = 04 48 40
					8 1/2°S 110 1/2°E
29	i	05	08	45	Ryuku Island
	e (LR)	05	50	01	USCGS 0 = -4 54 52
					Dist. 106.6
					29°N 131°E

14					PALISADES, NEW YORK				
Date	Phase	h	m	s	Remarks				
1955									
June									
29	e (LR)	10	54	59					
30	e	04	50	44	Kurile Islands USCGS 0 = 04 07 16 Dist. 80.8° 48 1/2°N 155 1/2°E				
30	e	19	25	03	150 Miles off coast of Oregon				
30	e	20	42	55	Mindinao Island				
	e	20	53	20	aftershock USCGS 0 = 22 02 04 Dist. 126.0° 10°N 126°E				
July									
2	eLR	07	12	17	Northern Kurile Islands USCGS 0 = 06 33 52				
2	e	23	02	39					
3	e (S)	08	20	57	Rat Island, Aleutians				
	e	08	34	24	USCGS 0 = 08 00 53				
	e	08	35	00	Dist. 69.5° 51°N 177°E				
3	eP	14	37	38	Rat Island, Aleutians				
	iPcP	14	37	56	USCGS 0 = 14 26 32				
	eS	14	46	39	Dist. 68.4°				
	eLQ	14	57	49	52°N 178°E				
	eLR	15	02	39	Mag 6 1/2				
4	eLR	02	57	07	Off coast of Guatemala USCGS 0 = 02 45 25				
4	iP	14	30	52	Rat Island, Aleutians				
	eS	14	39	54	USCGS 0 = 14 19 44				
	eLQ	14	50	12	Dist. 69.5°				
	eLR	14	52	30	51°N 177°E Mag 6 1/2 - 6 3/4				
5	eLR	00	03	26	Mindinao aftershock USCGS 0 = 00 19 09				

PALISADES, NEW YORK					15
Date	Phase	h	m	s	Remarks
1955					
July					
5	iP	08	47	46	Near coast of Java BCIS 0 = 08 28 06
5	eLR	15	32	01	200 Miles off Oregon USCGS 0 = 15 15 00
6	eP	02	06	13	Kamchatka
	iP	02	06	14	USCGS 0 = 01 54 17
	ePP	02	09	06	Dist. 77.0°
	ePPP	02	10	58	51°N 158°E
	eS	02	16	01	Mag 6 1/2-6 3/4
	iSS	02	21	03	
	e (SSSS)	02	24	38	
	eL	02	26	40	
	eLR	02	30	20	
6	eS	10	47	25	Near south coast of
	eLR	10	57	28	Alaska Peninsula Dist. 57.2° 54 1/2°N 162 1/2°W
6	eLR	15	55	30	Tonga Islands region USCGS 0 = 14 59 21 Dist. 115.2° 24 1/2°S 177°W Depth 100 km
6	eLR	21	11	59	
6	eLR	22	17	19	
7	eP	05	03	45	Near coast of Nicaragua
	eS	05	08	50	USCGS 0 = 04 57 25
	eLR	05	11	14	Dist. 31.5° 12 1/2°N 88°W
8	e	19	00	39	Fiji Islands
	e	19	02	44	USCGS 0 = 18 39 11
	e	19	03	53	Dist. 114.0°
	e	19	04	54	20 1/2°S 179 1/2°W
	e	19	06	50	Depth 600 km
	e	19	08	40	
	e	19	10	18	
	e	19	13	14	
	e	19	15	28	

16 PALISADES, NEW YORK					
Date	Phase	h	m	s	Remarks
1955					
July					
8	i	19	21	44	Java Sea
	e	19	24	00	USCGS 9 = 19 03 09
	i	19	24	26	Dist. 144.0°
	e	19	27	43	5°S 110°E
	e	19	30	53	Dept. 600 km
	e	19	36	44	
	e	19	42	57	
	e	19	44	14	
	e	19	46	48	
9	eLR	01	18	57	Near Kanai Peninsula, Alaska
10	eLR	00	23	21	
10	eLR	15	13	28	Tonga Islands
11	iP	20	32	29	Atlantic Ocean
	eS	20	41	34	USCGS 0 = 20 21 21
	eL	20	57	55	Dist. 68.8° 1°S 13 1/2°W
12	eLR	16	44	37	Sandwich Island region
12	eLR	18	47	13	Samoa Island region USCGS 0 = 17 57 18 Dist. 106.2° 14 1/2°S 173°W
13	eLR	19	42	23	Solomon Islands USCGS 0 = 18 40 34 Dist. 124.6° 6°S 154 1/2°E
14	eLR	04	55	52	Solomon Islands USCGS 0 = 03 54 02 Dist. 124.6° 6°S 154 1/2°E
14	ePKP	10	10	48	Nicobar Island
	ePP	10	13	05	USCGS 0 = 09 51 37
	eSS	10	30	29	Dist. 129.5°
	eLQ	10	44	43	8 1/2°N 94°E
	eLR	10	55	16	

PALISADES, NEW YORK 17					
Date	Phase	h	m	s	Remarks
1955					
July					
14	eLR	22	05	28	Jan Mayen region
15	eLR	03	46	17	Samoa region Dist. 108.0° 15°S 175°W
15	eLR	05	07	00	300 km off Vancouver Columbia USCGS 0 = 04 44 58
15	eLR	20	24	46	Near equator BCIS 0 = 20 04 07
16	iP	07	18	45	Dodecanese Islands
	iS	07	28	19	USCGS 0 = 07 07 08
	eSS	07	33	08	Dist. 73.6°
	eSSS	07	36	38	37 1/2°N 27°E
	eLQ	07	38	38	Mag 6 3/4 - 7
	eLR	07	42	46	
16	eLR	13	15	27	Tonga Islands USCGS 0 = 12 17 04 Dist. 111.1° 20°S 175°W
17	eLR	08	38	56	Kirile Islands USCGS 0 = 07 54 02 Dist. 83.4° 46 1/2°N 153°E
17	eLR	12	55	18	Fox Islands, Aleutians USCGS 0 = 12 21 42 Dist. 61.8° 53°N 170°W
17	iP	22	08	33	Fox Islands, Aleutians
	iS	22	16	46	USCGS 0 = 21 58 25
	eSS	22	20	54	60.3° Dist.
	eLR	22	26	50	54°N 168°W Mag 5 3/4 - 6
18	eLR	02	45	52	Fox Islands, Aleutians USCGS 0 = 02 14 59 Dist. 61.6° 52 1/2°N 169°W

18 PALISADES, NEW YORK					
Date	Phase	h	m	s	Remarks
1955					
July					
18	eLR	11	03	32	Kurile Islands USCGS 0 = 10 26 26 Dist. 86.1° 45°N 149°E
19	e	09	39	24	Uzbek, SSR USCGS 0 = 08 47 36 Dist. 92.2° 40°N 68°E
19	eLR	15	58	40	Mariana Islands USCGS 0 = 15 51 06 Dist. 117.2° 12°N 143°E
19	eS eSS eLQ eLR	16 16 16 16	38 40 42 43	28 04 24 49	Southern Alaska USCGS 0 = 16 21 05 Dist. 46.7° 60 1/2°N 145 1/2°W
20	eP iP iS eSS e (LR)	00 00 00 00 00	01 01 08 12 20	32 42 57 42 32	S. coast of Kodiak Isl. USCGS 23 52 25 Dist. 51.4° 56 1/2°N 153°W Mag 6
20	eP eS e (SS) eL	06 06 07 07	51 57 00 02	31 11 15 38	Colima, Mexico USCGS 0 = 06 44 30 Dist. 35.2° 18° 12'N 105° 20'W Mag 6
20	e	11	48	18	
20	eP iS eSS eLR	21 21 21 21	08 14 17 21	29 37 42 17	N. Ecuador USCGS 0 = 21 00 43 Dist. 40.5° 1/2°N 78 1/2°W
21	i (P) i (pP) e (PP) i e i e (LR)	11 11 11 12 12 12 12	55 55 57 02 03 05 12	13 36 38 55 26 37 24	S. Peru USCGS 0 = 11 45 40 Dist. 107.2° 15°S 74°W Depth 100 km Mag 6 3/4

PALISADES, NEW YORK 19					
Date	Phase	h	m	s	Remarks
1955					
July					
22	e	05	43	23	C. Africa
23	ePP ePS ePPS eSS eLR	10 10 10 10 11	39 48 49 54 11	17 37 33 30 19	Sandwich Island region USCGS 0 = 10 19 49
23	e i e	13 13 13	07 11 23	56 39 23	Banda Sea USCGS 0 = 12 48 28 Dist. 140.7° 7°S 128 1/2°E
24	e i eL	01 01 01	30 39 55	16 15 18	Samoa Islands USCGS 0 = 01 04 56 Dist. 107.4° 14°S 175°W
24	e	05	37	21	New Zealand region BCIS 0 = 04 25 04 Mag 5 1/4
24	e	08	51	32	
24	i (SKS) e	11 11	26 51	14 29	S. Honshu, Japan USCGS 0 = 11 02 14 Dist. 97.3° 36°N 140°E Depth 100 km
24	eLR	17	24	57	East coast of Formosa USCGS 0 = 16 20 03 Dist. 113.7° 24°N 122°E
25	iP eS eL	11 11 11	33 41 55	04 39 50	N. Chile USCGS 0 = 11 22 31 Dist. 64.3° 23 1/2°S 70 1/2°W Depth 60 km
26	eP iS eSS eL	04 04 04 04	13 20 24 31	24 47 28 29	Kodiak Island USCGS 0 = 04 04 18 Dist. 51.4° 56 1/2°N 153°W Mag 6

20					PALISADES, NEW YORK
Date	Phase	h	m	s	Remarks
1955					
July					
26	e (LR)	09	57	24	Auckland Islands region BCIS 0 = 09 29.7 Mag 5 1/2
26	eLR	10	38	56	Chiapas, Mexico USCGS 0 = 09 41 50 Dist. 30.2° 16 1/2°N 94 1/2°W
26	e	12	50	34	
27	e	01	45	26	Shikoku, Japan
	e	01	47	58	USCGS 0 = 01 20 50
	e	02	12	41	Dist. 101.1° 34°N 134°E
27	eLR	05	59	22	Tonga Islands region USCGS 0 = 05 01 48 Dist. 108.4° 15°S 175 1/2°W
27	iP	18	28	16	S. coast of Kodiak Isl.
	e (PcP)	18	29	10	USCGS 0 = 18 19 08
	ePP	18	30	07	Dist. 51.4°
	ePPP	18	31	08	56 1/2°N 153°W
	iS	18	35	38	Mag 6 1/4
	i	18	35	54	
	iSS	18	39	40	
	eLQ	18	40	39	
	eLR	18	43	12	
	eLg	18	45	35	
28	eP	02	11	50	Chile-Argentina border
	eS	02	22	01	USCGS 0 = 01 59 30
	eLQ	02	32	48	Dist. 81.2°
	eLR	02	42	23	40 1/2°S 71 1/2°W
29	eP	22	05	04	S. coast of Kamchatka
	eLR	22	31	23	USCGS 0 = 21 53 13 Dist. 77.4° 51 1/2°N 158°E

PALISADES, NEW YORK					21
Date	Phase	h	m	s	Remarks
1955					
Aug.					
1	e	03	40	14	Sandwich Island region
	e	03	43	03	USCGS 0 = 03 15 40
	eL	04	06	48	
3	eLg	06	53	15	Southwestern Colorado
3	e	23	44	27	China USCGS 0 = 22 42 08 Dist. 109.8° 29 1/2°N 102°E
4	e (LR)	07	38	30	Tibet USCGS 0 = 06 40 46 Dist. 106.6° 30 1/2°N 86 1/2°E
4	e (LR)	11	56	02	New Britain USCGS 0 = 10 53 01 Dist. 125.2° 5°S 152 1/2°E
5	eP	03	19	12	Colima, Mexico
	eS	03	24	51	USCGS 0 = 03 12 06
	eL	03	30	19	Dist. 36.2°
	e (Lg)	03	31	15	17 1/2°N 106°W
6	e	05	47	13	
6	e	08	45	23	Tonga Islands region
	iPKP	08	47	02	USCGS 0 = 08 31 25
	epPKP	08	47	48	Dist. 113.8°
	iPP	08	49	28	21 1/2°S 177 1/2°W
	isPP	08	50	24	Depth 350 km
	iPPP	08	51	38	Mag 6 3/4 - 7
	iSKKS	08	55	41	
	ePKKP	08	56	51	
	eS	08	57	39	
	ePS	08	58	22	
	epPS	08	59	26	
	e	09	02	22	
	eSS	09	05	14	
	e	09	05	51	

(continued)

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PALISADES, NEW YORK

Date	Phase	h	m	s	Remarks
1955					
Aug.					
6	iPKPPKP	09	07	51	
	eSSS	09	11	51	
	e	09	14	35	
	e (LQ)	09	16	55	
	eLR	09	19	00	
7	eLR	13	35	20	New Guinea USCGS 0 = 12 34 41 Dist. 128.9° 3 1/2°S 145°E
7	e (LR)	18	16	12	Coast of Hawaii USCGS 0 = 17 17 32 Dist. 70.7° 20 1/2°N 155 1/2°W
7	eLR	19	17	16	Sandwich Islands region BCIS 0 = 18 24 54
8	eLR	03	43	24	Kern Co., Calif. USCGS 0 = 03 21 51 Dist. 35.5° 35 1/2°N 119°W
8	eLR	10	52	22	Mineral Co., Nevada USCGS 0 = 10 35 38 Dist. 34.5° 38 1/2°N 119°W
9	eLR	19	12	26	Santa Cruz Island USCGS 0 = 18 14 25 Dist. 119.4° 11°S 166 1/2°E
14	eSKS	17	09	42	Kermadec Isl. region
	e	17	17	25	USCGS 0 = 16 43 20
	eLR	17	43	35	Dist. 121.3° 33°S 179°W
15	eLR	00	39	16	Atlantic Ocean USCGS 0 = 00 27 00 Dist. 28.5° 28 1/2°N 45°W

PALISADES, NEW YORK

23

Date	Phase	h	m	s	Remarks
1955					
Aug.					
15	eLR	06	54	20	Tonga Islands region BCIS 0 = 05 56, 4
15	eLR	08	38	19	
15	eLR	13	27	48	
15	eLR	15	13	55	New Britain region USCGS 0 = 14 58 27 Dist. 126.0° 3 1/2°S 149 1/2°E
16	eP	04	25	13	El Salvador coast
	e	04	29	19	USCGS 0 = 04-18-47
	eS	04	30	13	Dist. 31.2°
	eLR	04	33	10	12 1/2°N 88 1/2°W
16	iPKP	12	05	42	Solomon Islands
	epPKP	12	06	29	USCGS 0 = 11 46 58
	iPP	12	07	33	Dist. 124.2°
	ePKS	12	09	06	Depth 200 km
	iSKS	12	12	32	6°S 155°E
	eSKKS	12	14	03	
	e (S)	12	15	17	
	ePS	12	18	43	
	iSS	12	24	10	
	isSS	12	25	19	
	eLQ	12	38	20	
	eLR	12	45	05	
16	iP	19	16	33	Nicaragua coast
	ePP	19	17	49	USCGS 0 = 19 10 06
	eS	19	21	58	Dist. 32.0°
	eLQ	19	23	59	11°N 87°W
	eLR	19	25	46	
18	eLR	14	04	40	
21	e	09	45	42	Tonga Islands USCGS 0 = 08 52 44 Dist. 108.1° 17°S 173 1/2°W

24					PALISADES, NEW YORK				
Date	Phase	h	m	s	Remarks				
1955									
Aug.									
21	ePKP	17	53	07	New Guinea				
	iPKP	17	53	30	USCGS 0 = 17 33 58				
	iPP	17	55	42	Dist. 132.8°				
	iPKS	17	56	42	3° S 137 1/2° E				
	iSKS	18	00	31	Mag 6 3/4 - 7				
	iSKKS	18	02	32					
	ePS	18	06	00					
	iSS	18							
	e (SSS)	18	18	24					
	eLR	18	36	09					
23	iP	15	40	08	170 miles west of				
	iPP	15	41	33	Oregon coast				
	iS	15	46	11	USCGS 0 = 15 32 40				
	eSS	15	48	59	Dist. 39.5°				
	eLR	15	51	16	43 1/2° N 128° W				
					Mag 6 - 6 1/2				
24	e	07	03	04	Off coast of Oregon				
	eP	07	04	00	USCGS 0 = 06 56 20				
	ePP	07	05	34	Dist. 40.3°				
	eS	07	10	14	44 1/2° N 129 1/2° W				
	eSS	07	13	13					
	eLR	07	18	47					
24	eL	07	31	23					
25	eP	22	23	51	Rat Islands, Aleutians				
	eS	22	33	06	USCGS 0 = 22 12 43				
	eSS	22	37	58	Dist. 69.3°				
	eSSS	22	40	35	52° N 176° E				
	eLQ	22	44	15	Depth 60 km				
	eLR	22	49	25					
26	eLQ	06	44	18	Yukon				
	eLR	06	47	11	USCGS 0 = 06 23 29				
					Dist. 40.9°				
					65 1/2° N 133° W				
26	e	08	19	26					
	eL	08	41	10					

PALISADES, NEW YORK					25
Date	Phase	h	m	s	Remarks
1955					
Aug.					
28	eLR	14	23	45	West coast of Turkey
					USCGS 0 = 13 39 17
					Dist. 73.4°
					38° N 27 1/2° E
28	e	20	15	35	
28	iP	20	19	49	Guatemala coast
	iPP	20	20	55	USCGS 0 = 20 13 30
	iS	20	24	55	Dist. 30.8°
	eSS	20	26	34	14° N 91° W
	eLR	20	29	14	Depth 60 km
					Mag 6 3/4
29	e (S)	08	03	24	Nicaragua
	eSS	08	06	36	USCGS 0 = 07 53 32
	eLR	08	08	19	Dist. 31.1°
					12° N 87° W
29	iP	15	44	54	Andreanof Islands,
	e	15	46	16	Aleutians
	iS	15	53	39	USCGS 0 = 15 33 56
	eSsS	15	54	34	Dist. 67.3°
	eSS	15	58	53	51° N 178 1/2° W
	eLQ	16	01	00	
	eLR	16	05	20	
29	eP	18	24	20	Colombia coast
	eS	18	30	13	BCIS 0 = 18 17.2
	eLR	18	34	50	
30	eL	02	17	00	Cape Mendocino,
					California
					USCGS 0 = 01 57 15
					Dist. 37.9°
					40 1/2° N 124 1/2° W

LAMONT GEOLOGICAL OBSERVATORY

COLUMBIA UNIVERSITY

PALISADES, NEW YORK



SEISMOLOGICAL BULLETIN

By

ROBERT KOVACH

1 September 1955 - 31 October 1955

and

PAUL W. POMEROY

1 November 1955 - 31 December 1955

LAMONT GEOLOGICAL OBSERVATORY

Contribution No. 210

PALISADES, NEW YORK

STATION CONSTANTS, INSTRUMENTS AND ABBREVIATIONS

Latitude: 41° 00' 25" North

Longitude: 73° 54' 31" West

Elevation: 102.59 meters

Bedrock: Palisades diabase Triassic Age

INSTRUMENTS

 Three component Columbia University seismographs
 To = 12 sec., Tg = 15 sec.

 Three component Benioff seismographs. Short period, To = 1 sec.,
 Tg = 0.2 sec. Long period, To = 1 sec., Tg = 75 sec.

 One Columbia University vertical seismograph. To = .33 sec.
 Tg = 0.2 sec.

 Three component Columbia University visual recording seismographs.
 To = 12 sec.

 One Columbia University vertical seismograph for visual recording.
 To = 1 sec.

 Three component Columbia University long period seismographs.
 To = 15 sec., Tg = 75 sec.

 Two Columbia University Microbarographs. To = 10 sec.,
 Tg = 75 sec.

ABBREVIATIONS

i = sudden beginning of the motion (impetus)

e = gradual beginning of the motion (emersio)

Lg = short period continental surface shear wave

Rg = continental Rayleigh wave

All times are G. C. T.

 Time - I. B. M. Invar pendulum clock corrected by Naval Observatory
 time signals every 6 hours.

Date	Phase	h	m	s	Remarks
1955					
Sept.					
1	eLR	05	12	20	
1	eLR	06	47	25	
1	iP	17	39	35	Costa Rica
	Dilatation				USCGS O = 17 33 01, 10° N 84 1/2° W
	ipP	17	39	57	10 killed, 500 homeless in Toro
	ePPP	17	41	03	Amarillo
	eS	17	44	45	PZ - 1 sec
	eLQ	17	47	04	
	eLR	17	48	44	
	R from SW				
1	e	21	27	03	
	eLR	21	30	50	
	R from SSW				
1	iP	22	51	38	Sea of Ckhotsk
	iS	23	00	45	USCGS O = 22 40 15, 52 1/2° N,
	ePS	23	01	24	153° E
	e	23	03	54	Depth about 400 km
	eSSS	23	08	38	
	eL	23	14	35	
	P from S				
2	e	22	15	55	Western New Guinea
	eLR	22	17	55	USCGS O = 21 11 56
2	e	23	15	12	
	eLR	23	20	0	
3	eP	05	28	04	Dominican Republic
	iP	05	28	06	USCGS O = 05 23 04, 18 1/2° N,
	eS	05	31	54	70° W
			(high freq.)		PZ = 1 micron 4 sec.
	iS	05	32	04	
			(low freq.)		
	eLR	05	33	15	

Date	Phase	h	m	s	Remarks
1955 Sept.					
3	iP Compression	12	42	33	Guatemala USCGS O = 12 36 20
	ePP	12	43	34	14°N 91°W. Felt. Depth
	e	12	46	23	about 100 km
	eS	12	47	32	Mag. 6 1/2 (Pas.) Felt.
	eLR	12	53	20	
3	ePKP Dilatation	16	42	00	Celebes USCGS O = 16 22 52
	iPKP	16	42	13	1°N 123°E. PKP 4 sec.
	ipPKP	16	43	22	4 microns
	iPP	16	44	54	
	i	16	45	18	
	iPKS	16	45	47	
	i	16	46	31	
	i	16	46	53	
	eSKS	16	49	45	
	eSKKS	16	51	22	
	ePS	16	56	37	
	ePPS	16	57	54	
	eSS	17	02	33	
	e	17	04	26	
	eLQ	17	17	25	
	eLR	17	26	45	
4	eLR	07	38	20	
4	iP Compression	11	40	03	Northern Chile USCGS O = 11 29 40
	ipP	11	40	35	22°S 69°W
	iS	11	48	23	Depth about 100 km
	iPS	11	48	47	PZ 4 sec. 2 microns
	iPPS	11	49	05	Minor damage at Calama
	eScS	11	50	29	
	eSS	11	52	15	
	eLQ	11	56	03	
	eLR	12	00	00	
4	eLR	20	01	10	Hokkaido, Japan USCGS O = 19 09 30 43°N 145°E

Date	Phase	h	m	's	Remarks
1955 Sept.					
5	eS	02	13	57	Santa Clara County, Calif.
	eSS	02	16	17	USCGS O = 02 01 15
	eLQ	02	18	15	37 1/2°N 122°W
	eLg	02	20	45	Minor damage at San Jose
	eRg	02	23	45	Mag. 5.8 (Pas)
7	e	04	06	55	
	eLR	04	21	30	
8	eP	02	17	47	Sandwich Islands region
	e	02	19	49	USCGS O = 02 03 15
	ePP	02	21	55	Mag. 6 3/4 - 7 (Pas)
	ePPP	02	24	11	
	ePKS	02	26	01	
	eSKS	02	28	34	
	eSKKS	02	29	25	
	iS	02	30	04	
	iPS	02	31	48	
	iSS	02	37	54	
	e	02	48	16	
	eLQ	02	49	45	
	eLR	02	54	15	
8	e	04	05	31	Solomon Islands
	eLR	04	25	45	USCGS O = 03 27 14 7°S 155 1/2°E
9	ePKP	10	01	15	Near South Coast of Sumatra
	iPKP	10	01	30	USCGS O = 09 41 57 2°S 100°E
	ePP	10	04	17	Mag 6 1/4 - 6 1/2 (Pas)
	ePPP	10	07	33	
	eSKS	10	09	19	
	ePS	10	14	48	
	ePPS	10	18	16	
	eSS	10	22	56	
	e	10	23	11	
	e	10	23	55	
	e	10	25	14	
	eSSS	10	28	16	
	e(SSSS)	10	33	50	
	eLQ	10	43	15	
	eLR	10	50	35	

Date	Phase	h	m	s	Remarks
1955 Sept.					
9	e	16	43	21	Solomon Islands
	e	16	51	56	USCGS O = 16 21 12 7°S 155°E
	ePPS	16	53	42	
	e	16	57	21	
	eSS	16	59	31	
	e	17	04	22	
	eLR	17	19	31	
10	e	06	22	48	Komandorski Islands
	eLQ	06	24	05	USCGS O = 05 54 08
	eLR	06	30	20	54 1/2°N 169°E
10	eL	10	02	10	Andreanof Islands, Aleutian Islands
					USCGS O = 09 29 15
					50 1/2°N 173 1/2°W
10	eL	12	55	45	
10	eLR	22	08	41	Negros Island, P.I.
					USCGS O = 21 04 40 10°N 123°E
11	iP	08	49	29	Swan Island region, Caribbean
	iS	08	53	54	USCGS O = 08 44 00
	eLR	08	55	45	
11	ePP	18	15	16	Solomon Islands
	ePPP	18	18	05	USCGS O = 18 04 16 7°S 155°E
	eSKS	18	20	36	Aftershock
	eSKKS	18	22	24	
	ePS	18	25	00	
	ePPS	18	26	54	
	eSS	18	32	50	
	e	18	41	59	
	eLQ	18	47	05	
	eLR	18	52	10	

Date	Phase	h	m	s	Remarks
1955 Sept.					
12	iP	06	21	23	Off coast of Egypt
	iS	06	31	19	USCGS O = 06 09 20
	iPS	06	31	55	32 1/2°N 30°E
	iPPS	06	32	17	Mag 6 3/4 (Pas)
	eSS	06	35	56	20 killed, many injured,
	eSSS	06	39	50	extensive damage in Nile Delta
	eLQ	06	42	05	area
	eLR	06	47	05	
13	iP	02	11	26	Andreanof Islands, Aleutians
	iS	02	20	06	USCGS O = 02 00 43 52°N 176°W
	ePS	02	20	53	Depth about 60 km. Mag. 5 3/4 -
	e	02	21	18	6 (Pas)
	eLQ	02	27	45	PZ 6 sec 2 microns
	eLR	02	32	15	
13	eLR	18	34	45	Near coast of Celebes
					USCGS O = 17 36 41
					1/2°N 125°E
15	eP	12	47	27	Off coast of Western New Guinea
	ePKP	12	49	43	USCGS O = 12 30 27
	iPKP	12	49	55	5°S 134 1/2°E
	e	12	50	13	
	iPP	12	52	31	
	e	12	52	49	
	iPKS	12	53	26	
	e	12	53	48	
	ePPP	12	56	13	
	ePS	13	02	46	
	ePPS	13	04	45	
	e	13	04	58	
	e	13	05	27	
	e	13	05	43	
	eSS	13	11	07	
	eSSS	13	15	45	
	e(Sn)	13	25	05	
	eLQ	13	27	45	
	eLR	13	36	15	

Date	Phase	h	m	s	Remarks
1955					
Sept.					
16	e	05	18	59	Kermadec Islands
	e	05	23	34	USCGS O = 04 42 30
	e	05	38	03	30°S 178 1/2°W
	eLR	05	40	52	
16	eLR	08	03	42	Solomon Islands USCGS O = 07 00 47
17	e	02	10	18	
	e	02	12	07	
	e	02	12	51	
	eLR	02	14	40	
	R from SW				
17	e	12	33	00	New Hebrides Islands
	e	12	37	42	USCGS O = 11 55 26
	eLR	12	56	00	17 1/2°S 168 1/2°E
	R from NW				
17	eLR	15	53	13	New Hebrides Islands USCGS O = 14 49 40 17 1/2°S 168°E
17	eLR	20	55	43	Kermadec Islands USCGS O = 19 56 46 32°S 178°W
18	eLR	02	20	38	New Hebrides Islands USCGS O = 01 15 46 17 1/2°S 167 1/2°E
20	eLR	07	37	43	
20	eSKS	13	46	09	Kermadec Islands
	eSKKS	13	47	39	USCGS O = 13 20 19 32°S 178°W
	ePS	13	50	33	Mag. 6 1/2 (Pas) (Berkeley)
	iSS	13	56	11	
	e	13	57	25	
	eSSS	14	00	49	
	eLQ	14	10	19	
	eLR	14	36	34	
	R from W				

Date	Phase	h	m	s	Remarks
1955					
Sept.					
22	ePP	03	44	39	Off east coast of Formosa
	eSKS	03	50	30	USCGS O = 03 25 03
	eSKKS	03	51	39	24°N 123°E. Felt at Taipei
	ePS	03	54	09	
	ePPS	03	55	25	
	eSS	04	00	22	
	eLQ	04	13	20	
	eLR	04	20	35	
	R from NNW				
23	eSKS	15	31	36	Yunnan Province, China
	eSKKS	15	33	20	USCGS O = 15 06 19
	ePS	15	35	14	27°N 101 1/2°E
	ePPS	15	36	24	Mag 6 3/4
	eSS	15	41	24	
	eSSS	15	45	16	
	e	15	51	25	
	i	15	52	29	
	eL	15	54	15	
24	eSKS	02	26	32	Kermadec Islands
	eSKKS	02	27	57	USCGS O = 02 06 45
	e	02	31	29	32°S 178°W
	e	02	36	46	
	eSS	02	37	25	
	e	02	37	49	
	eSSS	02	41	21	
	e	02	44	48	
	e	02	47	25	
	e	02	56	21	
	eLR	02	59	45	
	R from (W) SW				
24	eSKKS	10	48	07	Off east coast of Formosa
	e	10	50	46	USCGS O = 10 21 29 22°N 122°E
	e	10	52	32	
	e	10	56	28	
	e	10	57	22	
	e	10	59	23	
	e	11	04	25	
	e	11	06	40	
	e	11	10	08	
	eLQ	11	12	46	
	eLR	11	16	30	
	R from N N(E)				

Date	Phase	h	m	s	Remarks
1955 Sept.					
24	eLR	20	51	55	Solomon Islands USCGS O = 19 51 43
25	ePKP	19	18	29	Off east coast of Mindanao P. I.
	ipPKP	19	18	49	USCGS O = 18 59 22
	ePP	19	20	44	6°N 127 1/2°E. Mag 6 1/2
	ePKS	19	21	44	Felt on Mindanao
	epPKS	19	22	18	
	eSKKS	19	27	23	
	i	19	27	56	
	ePS	19	29	49	
	e	19	30	30	
	e	19	31	00	
	ePPS	19	32	37	
	e	19	35	35	
	eSS	19	37	52	
	e	19	48	20	
	e	19	49	03	
	eLR	20	00	00	
	R from NW				
26	eP	08	34	16	Chiapas, Mexico
	ip	08	34	17	USCGS O = 08 28 20
	ipP	08	34	20	15 1/2°N 92 1/2°W
	ePcP	08	37	11	Depth about 200 km
	iS	08	38	59	Mag. 6 3/4
	iLQ	08	40	10	
	eLR	08	40	20	
	P compression from SSW				
27	eLR	04	37	40	
27	eLR	08	03	40	
27	eLR	12	07	50	
28	eLR	02	44	20	Yunnan Province, China USCGS O = 01 46 36 27°N 101 1/2°E
28	eLR	05	30	10	Celebes Sea USCGS O = 04 21 43

Date	Phase	h	m	s	Remarks
1955 Sept.					
28	iP	18	16	16	Near coast of Oaxaca, Mexico
	ePP	18	17	31	USCGS O = 18 09 40
	eS	18	21	30	15°N 97 1/2°W
	iS	18	21	39	PZ 7 sec. 3 microns
	ePcS	18	22	53	Mag. 6
	eLR	18	25	10	
	Compression from SW				
	R from SW				
29	eL	09	17	00	Near east coast of Kamchatka USCGS O = 08 38 28
29	eL	11	54	05	Andreanof Islands, Aleutians USCGS O = 11 30 33 51 1/2°N 176°W
29	e	20	21	53	Northern Honshu, Japan
	eS	20	22	28	USCGS O = 19 58 27
	e	20	23	35	40°N 141°E
	eLR	20	43	00	Depth about 70 km
	R from NNW				
30	e	04	03	03	Mindanao foreshock
	eLR	04	16	40	USCGS O = 03 08 46 8°N 126 1/2°E
30	eLR	08	02	55	Near east coast of Mindanao, P. I. USCGS O = 07 01 22 7 1/2°N 126 1/2°E

Date	Phase	h	m	s	Remarks
1955					
Sept.					
30	iP	19	25	13	Andreanof Islands, Aleutians
	iS	19	34	02	USCGS O = 19 14 24
	iPS	19	34	17	51 1/2°N 176 1/2°W
	eScS	19	35	06	
	eSS	19	35	18	
	e(Sn)	19	42	19	
	eLQ	19	44	33	
	eLR	19	48	20	
	Compression				
	R from NW				
Oct. 1	eLR	00	52	55	Komandorski Island region USCGS O = 00 12 29 53 1/2°N 170°E
1	eLR	06	26	05	
1	eLR	10	29	30	Near coast of Guerrero, Mexico USCGS O = 10 11 07
1	eLR	13	23	20	Tonga Islands region USCGS O = 12 24 49 25°S 177°W
2	eLR	03	51	30	Andreanof Islands, Aleutians USCGS O = 03 13 40
2	i	16	15	44	Off coast of Panama
	iSS	16	18	25	USCGS O = 16 02 54
	eLR	16	20	20	5 1/2°N 83°W
2	eLR	20	31	30	Tonga Islands region USCGS O = 19 35 43
2	eLR	23	34	10	
3	eLR	04	35	50	
3	eLR	11	00	10	Fiji Island region Depth about 600 km

Date	Phase	h	m	s	Remarks
1955					
Oct.					
3	eLQ	11	43	53	Near coast of Vancouver Island,
	eLR	11	47	05	British Columbia
	R from NW				
	USCGS O = 11 24 03				
4	e	06	50	20	
4	e	07	57	23	Tonga Island region
	e	08	02	48	USCGS O = 07 26 57
	eLQ	08	13	40	
	eLR	08	23	00	
	R from WSW				
5	eL	02	09	00	Tonga Island region USCGS O = 00 46 42 23 1/2°S 178°W Depth about 200 km
5	iP	09	09	23	Near east coast of Kamchatka
	iS	09	19	04	USCGS O = 08 57 55
	ePS	09	19	47	53 1/2° 161°E
	eSS	09	23	49	
	eSSS	09	27	30	
	eLR	09	31	25	
	R from NNW				
6	eP	11	00	31	North Atlantic Ocean
	P from SE				
	iS	11	04	35	USCGS O = 10 55 38
	eLR	11	05	50	
6	iP	11	14	59	Mendoza Province, Argentina
	P compression from S				
	epP	11	15	43	USCGS O = 11 03 16
	esP	11	15	58	Felt at Constitution, Santiago
	e(PP)	11	18	51	and Talca, Chile
	ePPP	11	20	21	Depth about 150 km
	iS	11	24	43	Mag. 6 1/2
	iSS	11	25	43	
	ePS	11	26	19	
	eSS	11	30	41	
	eSSS	11	34	02	
	eL(G)	11	36	59	
	eLR	11	38	53	

Date	Phase	h	m	s	Remarks
1955 Oct.					
7	eLR	04	13	15	No. Atlantic Ocean USCGS O = 04 00 37 30 1/2°N 41°W
7	eLR	08	11	50	Tonga Islands USCGS O = 07 20 36 19°S 173°W
8	eLR	01	19	05	
8	eLR	02	46	15	
8	eLQ	21	57	10	Fiji Islands
	eLR	22	03	40	USCGS O = 21 05 32
9	eLR	18	39	10	New Britain USCGS O = 17 40 09 5°S 153°E. Felt at Kokopo and Rabaul
9	eLR	23	47	15	Near Islands, Aleutians USCGS O = 23 13 32 50 1/2°N 176°E
10	ePKP	09	16	50	New Britain
	ipPKP	09	16	55	USCGS O = 08 57 44 5°S 153°E
	iSPKP	09	17	03	Felt at Kokopo and Rabaul
	iPP	09	18	36	Mag. 7 1/4
	PP from NW				
	iPKS	09	20	04	
	iSKS	09	24	05	
	eSKKS	09	25	53	
	iPPS	09	30	11	
	eSS	09	35	39	
	eSSS	09	40	40	
	eLQ	09	49	35	
	eLR	09	56	15	
10	eLR	21	44	05	Tonga Islands USCGS O = 20 51 42 17 1/2°S 174°W Depth about 60 km

Date	Phase	h	m	s	Remarks
1955 Oct.					
11	eLR	02	42	35	Northern Celebes USCGS O = 01 14 27
11	eLR	17	22	25	
13	eLR	01	54	10	
13	eP	09	42	16	Solomon Islands
	Compression				USCGS O = 09 26 44
	iPKP	09	45	42	9 1/2°S 161°E
	iPP	09	47	20	Mag. 7
	eSKS	09	52	39	
	eSKKS	09	54	15	
	ePS	09	57	16	
	eSS	10	04	26	
	eSSS	10	07	39	
	eSSSS	10	11	47	
	eLQ	10	18	05	
	eLR	10	24	35	
	R from WNW				
13	e	17	17	00	Off east coast of North Island, New Zealand
	eLR	17	22	26	USCGS O = 16 19 51 36°S 177 1/2°E. Depth about 200 km
13	iP	21	57	22	Near coast of Nicaragua
	Compression from S				USCGS O = 21 50 19 12°N 87°W
	ePP	21	58	46	
	eS	22	02	56	
	eLQ	22	05	14	
	eLR	22	06	16	
14	eLQ	01	43	25	Tonga Islands
	eLR	01	48	50	USCGS O = 00 55 55 16 1/2°S 172°W
14	iP	08	52	16	Pacific Ocean, west of Galapagos Islands. Mag. 6 - 6 1/4 PZ 4 sec. 1 micron
	Compression				
	eS	08	59	38	
	iSS	09	03	29	
	eLQ	09	05	25	
	eLR	09	08	10	
	R from SSW				

Date	Phase	h	m	s	Remarks
1955 Oct.					
17	eL	02	07	30	Solomon Islands USCGS O = 01 08 07 6°S 154°E
19	iP	10	06	56	Northern Kurile Islands
	ipP	10	07	17	USCGS O = 09 54 43
	Compression from NNW				49 1/2°N 155°E
	iS	10	16	56	PZ 6 sec. 5 microns
	eScS	10	17	19	Mag. 6 1/2
	eSS	10	22	07	
	eSSS	10	26	34	
	eLQ	10	10	20	
	eLR	10	35	20	
20	eL	00	30	30	
20	eSS	02	06	12	Southern Atlantic Ocean (about
	eL	02	24	25	300 mi. north of So. Georgia Island). USCGS O = 01 33 30
20	eLR	04	43	25	
21	eLR	02	50	10	
21	ePP	04	53	50	Near coast of Sumatra
	epPP	04	54	06	USCGS O = 04 32 03
	ePKS	04	54	50	4°N 95°E
	epPKS	04	55	22	
	eSS	05	11	40	
	eSSS	05	17	00	
	eLQ	05	33	10	
	eLR	05	36	35	
	R from N				

Date	Phase	h	m	s	Remarks
1955 Oct.					
21	ePKP	19	21	17	Fiji Islands
	e[PPP]	19	24	32	USCGS O = 19 02 40
	e	19	26	03	21°S 179°W
	e	19	27	16	Depth about 650 km
	e	19	30	06	Mag. 6 1/4
	e	19	31	08	
	e	19	31	56	
	e	19	33	59	
	e	19	36	38	
	eL	19	48	00	
21	ePKP	23	29	06	Northern Celebes
	ePP	23	31	59	USCGS O = 23 09 38
	e	23	32	32	1/2°S 123 1/2°E
	ePKS	23	32	41	
	e	23	33	00	
	eSKS	23	36	01	
	eSKKS	23	38	20	
	ePS	23	41	55	
	e(PPS)	23	45	19	
	eSS	23	50	22	
	e	23	51	35	
	e(SSS)	23	54	32	
	eLR	00	15	30	
22	eLQ	23	01	10	Fiji Islands region
	eLR	23	06	30	USCGS O = 22/23 10 15°S 176°W Depth about 300 km.
23	eLR	18	07	50	Solomon Islands USCGS O = 17 04 09 11 1/2°S 163°E
24	eLQ	04	28	50	Contra Costa County, Calif.
	e(Lg)	04	30	37	USCGS O = 04 10 40.5
	eLR	04	33	19	37.9°N 121.9°W Moderate damage in Walnut Creek and Oakland Mag. 5 1/2

Date	Phase	h	m	s	Remarks
1955					
Oct.					
25	e	16	47	54	Caxaca, Mexico
	i	16	51	08	USCGS O = 16 34 23
	eLR	16	55	50	16 1/2°N 95 1/2°W
	R from SSW				
27	eL	12	06	45	Off east coast of Kamchatka
	USCGS O = 11 50 40				
	52 1/2°N 159 1/2°E				
28	eL	01	02	55	
28	eL	01	39	20	
29	eLR	03	22	15	Off east coast of Kamchatka
	USCGS O = 03 14 40				
31	iP	01	16	38	Andreanof Islands, Aleutians
	Compression				
	iS	01	25	12	USCGS O = 01 05 53
	ePS	01	25	50	52°N 175 1/2°W
	eScS	01	26	35	Mag. 5 3/4 - 6
	e	01	28	15	
	e	01	30	28	
	eLQ	01	34	35	
	eLR	01	40	30	
	R from (N)NW				
31	e	09	07	20	Tonga Islands Region
	eLQ	09	12	30	USCGS O = 08 25 05
	eLR	09	21	40	Depth about 650 km
	R from SW				

Date	Phase	h	m	s	Remarks
1955					
Nov.					
1	eL	09	55	55	New Britain region
	USCGS O = 10 12 09				
	5°S, 153°E				
1	eL	11	17	35	
2	eLR	00	36	27	Off east coast of Honshu, Japan
	USCGS O = 23 46 10				
	39 1/2°N, 144°E				
2	eLR	05	51	22	Kermadec Islands
	USCGS O = 04 52 11				
2	eLQ	19	58	10	Monterey County, California
	eLR	20	02	32	USCGS O = 19 40 06
	36°N 121°W				
	Felt from Monterey to San Luis Obispo. Mag 4 1/2				
4	iP	22	55	38	Mendoza Province, Argentina
	Compression				
	iS	23	05	07	USCGS O = 22 43 50
	i(SKS)	23	05	55	33 1/2°S 69 1/2°W
	e(PS)	23	06	38	Depth about 100 km
	eSS	23	10	04	Pz 4 sec.
	eSn	23	15	45	Mag. 6.7
	eL	23	19	30	Minor damage at Talca, Chile
5	eL	07	35	10	Southern Gulf of California
	USCGS O = 07 19 23				
	24 1/2°N 109°W				
5	eL	08	26	30	Southern Gulf of California
	USCGS O = 08 09 51				
	24 1/2°N, 109°W				
	Aftershock				

Date	Phase	h	m	s	Remarks
1955					
Nov.					
10	iP	01	58	16	Samoa Islands
	esP	01	59	06	USCGS O = 01 44 04
	ePP	02	02	46	15°S 174°W
	iSKS	02	08	50	Depth about 100 km. Mag. 7 -
	i(SKKS)	02	09	47	7 1/4. Pz 8 sec. 2 microns
	iS	02	10	15	
	esS	02	11	13	
	iPS	02	12	03	
	ePPS	02	12	54	
	eSS	02	17	53	
	eSSS	02	22	21	
	eSn	02	27	04	
	eLQ	02	28	15	
	eLR	02	34	00	
	R from W				
11	eLR	11	36	00	Tonga Islands region USCGS O = 10 37 03
12	eLR	06	19	00	Northern Red Sea USCGS O = 05 32 14 25 1/2°N 34 1/2°E Felt at Cairo, Egypt
12	eSn	10	45	36	New Britain
	eLQ	10	46	09	USCGS O = 10 07 47
	eLR	11	04	15	5°S 152 1/2°E Depth about 60 km
12	eLR	14	43	35	New Britain region USCGS O = 13 43 00
12	eLR	16	56	30	New Hebrides Islands region USCGS O = 15 45 34 17 1/2°S 167 1/2°E
13	eLR	23	36	25	Fiji Islands region USCGS O = 22 43 40

Date	Phase	h	m	s	Remarks
1955					
Nov.					
14	eLR	14	12	25	Marianas Islands USCGS O = 13 23 09 17 1/2°N, 145 1/2°E Depth about 150 km
15	iP	10	16	10	Off south coast of Alaskan
	iPP	10	18	10	Peninsula
	iS	10	23	41	USCGS O = 10 06 49
	iScS	10	26	10	55 1/2°N 155°W
	eSS	10	27	27	Mag. 6 1/4 - 6 1/2
	eLQ	10	29	40	PZ 6 sec 4 1/2 microns
	eLR	10	32	00	
	R from NNW				
15	e	23	09	18	Sinkiang Province, China USCGS O = 22 10 53 43 1/2°N 87°E
16	e	08	39	12	
	eL	08	46	45	
17	eLR	00	19	15	
17	iP	07	04	22	Northern Chile
	P from S				
	iS	07	13	17	USCGS O = 06 53 27
	iScS	07	14	18	26 1/2°S 69°W
	i	07	14	39	Depth about 6 km. Mag. 6 3/4
	eSS	07	17	35	PZ 8 1/2 sec 5 microns
	e	07	18	11	
	e	07	18	52	
	eSn	07	20	53	
	eLQ	07	21	30	
	e	07	24	37	
	eLR	07	25	00	
	R from S				
19	eLR	06	36	25	Fiji Islands region USCGS O = 05 39 08 14°S 179°W

Date	Phase	h	m	s	Remarks
1955					
Nov.					
21	eLQ	20	42	30	Fallon, Nevada
	eLR	20	45	30	USCGS O = 20 25 34.5 29.4°N, 118°W Mag 5 1/2
22	iP	03	36	12	Eastern Tuamotu Archipelago
	P from SSW				USCGS O = 03 24 00
	iS	03	46	16	24 1/2°S 123°W
	eSKS	03	46	40	Mag. 6 3/4 - 7
	ePS	03	46	51	PZ 5 sec. 3 microns
	iPPS	03	47	04	
	iSS	03	51	37	
	iSSS	03	55	12	
	eLQ	03	57	40	
	eLR	04	04	15	
	R from SSW				
23	eLQ	03	26	10	Bhutan-Pakistan border
	eLR	03	30	00	USCGS O = 02 33 47 26 1/2°N 90°E
23	iP	06	41	27	Near coast of Kamchatka
	ePP	06	44	30	USCGS O = 06 29 29
	ePPP	06	46	22	50 1/2°N, 157°E
	iS	06	51	19	Depth almost 60 km
	iPS	06	51	44	PZ 8 1/2 sec. 20 microns
	ePPS	06	52	12	
	e	06	53	28	
	eSS	06	56	12	
	eSSS	06	59	57	
	eLQ	07	02	10	
	eLR	07	05	50	
24	eLR	05	54	15	Near north coast of Luzon, Philippine Islands USCGS O = 04 51 20 19°N 120 1/2°E Felt at Caylayan, Aparri and Laoag

Date	Phase	h	m	s	Remarks
1955					
Nov.					
24	iP	11	22	33	Near south coast of Kamchatka USCGS O = 11 10 32 51°N 157°E Mag 7.1
25	eLQ	14	50	15	Alaska peninsula
	eLR	14	56	10	USCGS O = 14 24 26
25	eLQ	17	14	50	Alaska peninsula
	eLR	17	20	25	USCGS O = 16 49 30
27	eLQ	07	54	20	Tonga Islands region
	eLR	08	03	45	USCGS O = 07 05 07 24 1/2°S 177 1/2°W Depth almost 100 km
27	eL	20	25	50	Off east coast of Formosa USCGS O = 19 30 35 23°N, 124 1/2°E
Dec. 1955					
4	iPPP	02	20	30	Kermadec Islands region
	eLR	02	59	50	USCGS O = 02 04-28 35°S 179 1/2°W
5	eLR	03	02	50	
6	iP	04	41	18	Northern Chile
	P from S				USCGS O = 04 31 00
	ipP	04	41	28	20°S 70°W
	ePP	04	43	19	Mag 6 3/4
	ePPP	04	45	02	PZ 4 sec. 3 microns
	e	04	47	41	
	iS	04	49	34	
	e(SKS)	04	50	32	
	eSS	04	53	22	
	eLQ	04	56	15	
	eLR	05	01	50	
	R from S				

Date	Phase	h	m	s	Remarks
1955 Dec.					
7	iPP	15	21	44	Bonin Islands
	ePPP	15	23	46	USCGS O = 15 03 11
	ePKS	15	25	17	26 1/2°N 142 1/2°E
	iSKS	15	28	00	Mag 6 3/4 - 7
	eS	15	29	10	PZ 7 sec. 2 1/2 microns
	ePPS	15	31	46	
	iSS	15	36	40	
	iSKKS	15	40	42	
	eP'P'	15	41	28	
	eLQ	15	46	30	
	eLR	15	51	45	
12	i	02	58	08	Northern Chile
	eL	03	07	01	USCGS O = 02 33 00
14	e	11	27	25	Pakistan-Burma border
	e	11	33	25	USCGS O = 10 51 44
	eLQ	11	42	15	22°N 92 1/2°E
	eLR	11	48	55	Felt at Chittagong and Comilla, East Pakistan
15	eLQ	01	49	50	Easter Islands region
	eLR	02	01	45	USCGS O = 01 19 00
15	e	09	15	43	
	eLQ	09	16	55	
	eLR	09	18	05	
15	eLR	10	16	15	
15	eLQ	19	54	25	Bismarck Sea
	eLR	20	06	25	USCGS O = 19 02 43 3 1/2°S 149°E
17	iLg	06	25	06	Imperial County, California USCGS O = 06 07 29 32.9°N 115.5°W Mag. 5.4 Minor damage at Brawley and El Centro

Date	Phase	h	m	s	Remarks
1955 Dec.					
17	eL	07	09	50	Imperial County, California USCGS O = 06 52 03 32.9°N 115.5°W Mag. 4 1/2 Aftershock
19	eL	04	12	00	Near east coast of Mindanao, Philippine Islands USCGS O = 03 13 46 8 1/2°N 127°E
21	iP	12	03	50	Mona Passage
	iS	12	07	47	USCGS O = 11 58 30
24	e	03	39	37	Off south coast of Costa Rica
	eS	03	47	20	USCGS O = 03 34 40
	eLR	03	51	20	8 1/2°N, 85°W R from SSW
24	eL	16	16	15	
24	eL	16	40	35	
24	eL	19	41	50	
27	eLQ	09	47	45	Marianas Islands
	eLR	09	51	30	USCGS O = 08 47 15 14°N, 145°E Depth 100 km
29	eLQ	09	17	20	Eastern Tibet
	eLR	09	26	05	USCGS O = 08 25 33 30°N 90 1/2°E
30	i	19	08	18	
	i	19	12	30	