BERMUDA-COLUMBIA UNIVERSITY SEISMOGRAPH STATION

SIGNAL HILL
ST. GEORGES, BERMUDA

SEISMOLOGICAL BULLETIN

By

G. PIMENTEL

1 January 1957 - 31 March 1957

The research reported in this document was made possible through support and sponsorship by the U.S. Navy, under Office of Naval Research Contract N6 onr 27124. It is published for technical information only and does not represent recommendations or conclusions of the sponsoring agency. Reproduction in whole or in part is permitted for any purpose of the United States Government.

LAMONT GEOLOGICAL OBSERVATORY
(COLUMBIA UNIVERSITY)

Contribution No. 296

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.

Date	Phase	h	m	s	Remarks
1957					
Jan.					
2	iP	00	51	00	0 = 00 39 42
	iS	01	00	12	53°N 168 1/2°W
	iSS		05	04	Dist. 73°
	iSSS		08	52	Fox Islands, Aleutian Islands
	eLR		17	00	Mag. 6 1/2 - 6 3/4 (Pas.)
2	i (P)	02	29	14	0 = 02 17 35
	i (S)		38	36	52 1/2°N 168°W
					Dist. 72°
					Fox Islands, Aleutian Islands
					Mag. 6 3/4 (Pas.)
2	eS	11	10	24	0 = 10 49 32
	eSS		14	48	52 1/2°N 168°W
	e (LQ)		23	30	Dist. 72°
	eLR		28	00	Fox Islands, aftershock
					Mag. 6 1/2 (Pas.)
3	e (P)	00	52	32	0 = 00 41 02
	e (S)	01	01	55	53°N 168°W
					Dist. 73°
					Fox Islands, aftershock
3	e	13	11	08	0 = 12 48 27
	e		12	22	44°N 130°E
					Dist. 102°
					Southern Manchuria
					h about 600 km
					Mag. 7 (Pas.)
6	e	20	54	08	0 = 20 23 37
					Near North coast of Mindanoa, Philippine Islands

Date	Phase	h	m	s	Remarks
1957					
Jan.					
9	iP	08	04	26	0 = 07 52 56
	iS		13	46	53°N 167 1/2°W
	iSS		18	26	Dist. 72°
	iSSS		22	16	Fox Islands, aftershock
	e (LQ)		27	40	Mag. 6 1/2 (Pas.)
	eLR		31	00	6 1/4 (Berk.)
15	e	04	14	34	0 = 04 09 15
	eLR		25	30	2°S 76 1/2°W
					Dist. 37°
					Ecuador h about 100 km
15	e (LQ)	21	56	00	0 = 21 40 26
					11°N 86 1/2°W
					Dist. 30°
					Near coast of Nicaragua
16	e	21	24	10	
22	e	12	07	30	0 = 11 18 23
					4 1/2°S 28 1/2°E
					Dist. 95°
					Belgian Congo
22	e (LR)	13	32	30	0 = 12 31 55
					Santa Cruz Islands
23	e (L)	18	44	30	0 = 17 40 19
					22°S 175°W
					Dist. 117°
					Tonga Islands
24	e (LR)	02	18	50	0 = 01 11 11
					6°S 147°E
					Dist. 140°
					Near east coast of New Guinea
					h about 100 km

Date	Phase	h	m	s	Remarks
1957					
Jan.					
24	iP	07	25	02	0 = 07 16 29
	iPP		26	54	12 1/2°S 78°W
	iS		31	48	Dist. 47°
	eSS		34	56	Near coast of Peru
	e (LR)		44	00	Mag. 6 1/2 (Pas.)(Berk.)
25	i (P)	03	49	06	0 = 03 36 47
	i (S)		58	36	51 1/2°N 177°W
	eLR	04	14	00	Dist. 77°
					Andreanof Islands, Aleutian Islands
					Mag. 6 1/2 (Pas.)
					6-6 1/4 (Berk.)
28	eLR	09	18	00	0 = 08 16 19
					15 1/2°S 173°W
					Dist. 113°
					Samoa Islands region
					Mag. 6 1/2 (Pas.)
29	e	00	09	20	0 = 23 18 51
	eLR		14	00	49°N 156°E
					Dist. 90°
					Northern Kurile Islands
29	eLR	16	54	00	0 = 15 46 35
					16°S 176°W
					Dist. 115°
					Fiji Islands region
30	e (L)	16	30	00	0 = 15 29 00
					20 1/2°S 174°W
					Dist. 116°
					Tonga Islands
					Mag. 6 - 6 1/4 (Pas.)
Feb.					
2	e (L)	12	53	30	0 = 11 45 35
					21 1/2°S 170°E
					Dist. 131°
					Loyalty Islands region

Date	Phase	h	m	s	Remarks
1957					
Feb.					
3	eP	17	37	34	0 = 17 24 50
	e (PP)		40	05	53 1/2°N 159°E
	e (PPP)		41	54	Dist. 87°
	iS		48	09	Kamchatka
	eLQ	18	00	00	Mag. 6 1/2 - 6 3/4 (Pas.)
	eLR		06	00	6 1/4 (Berk.)
3	e (L)	21	56	20	0 = 21 11 53
					53 1/2°N 159°E
					Dist. 87°
					Kamchatka, aftershock
3	e (L)	23	47	30	0 = 22 58 24
					53 1/2°N 159°E
					Dist. 87°
					Kamchatka, aftershock
4	e	09	12	20	0 = 09 01 55
	eLR		15	00	9°N 84°W
					Dist. 29°
					Near coast of Costa Rica
					h about 150 km
4	e (L)	16	57	00	
5	iP	04	55	39	0 = 04 51 20
	i (PP)		56	46	25 1/2°N 45 1/2°W
	iS		58	36	Dist. 18°
	eLR		59	20	Mid-Atlantic Ocean
	eT	05	13	40	
	T Max		14	07	
6	iP	13	15	19	0 = 13 07 30
	i (PcP)		17	43	Dist. 42°
	iS		19	52	Galapagos Islands,
	eLQ		22	52	aftershock
	eLR		24	00	Mag. 6 (Pas.)

Date	Phase	h	m	s	Remarks
1957					
Feb.					
6	e (L)	21	29	00	0 = 20 34 55
					50°N 106°E
					Dist. 96°
					Lake Baikal region USSR
7	e (S)	16	38	36	0 = 16 17 09
	e	17	04	00	52 1/2°N 175°W
					Dist. 76°
					Andreanof Islands,
					Aleutian Islands
					h about 60 km
9	e (LR)	03	04	00	0 = 01 53 05
					1 1/2°S 137 1/2°E
					Dist. 142°
					Near north coast of New Guinea
9	e (P)	07	30	08	0 = 07 23 18
	e (S)		34	48	7 1/2°N 83°W
	eLQ		36	36	Dist. 30°
	eLR		38	00	Off south coast of Panama
9	e	13	50	24	0 = 13 29 18
	e	14	00	03	34°S 180°
					Dist. 127°
					Off coast of North Island, N. Z.
					h about 150 km
					Mag. 6 1/4 (Pas.)
9	iP	16	47	06	0 = 16 38 10
	iPcP		48	56	41 1/2°N 126°W
	iS		54	09	Dist. 49°
	eLR	17	02	00	Near coast of Northern California
					Mag. 6 1/2 - 6 1/2 (Pas.)
					5 1/4 (Berk)

Date	Phase	h	m	s	Remarks
1957					
Feb.					
10	iP	05	53	25	0 = 05 47 59
	i (S)		58	00	35 1/2°N 35°W
	eLR		59	00	Dist. 25°
					Azores Islands region
					Mag. 5 3/4 (Pas.)
10	iPKP	22	51	42	0 = 22 32 15
	iPP		54	26	10° N 126°E
	iPKS		55	12	Dist. 136°
	iPPP		57	26	Mindanao foreshock,
	iSS	23	10	18	felt: Samar
	i		12	51	Mag. 6 1/2-6 3/4 (Pas.)
	i		13	57	
	eLR		50	00	
11	iPKP	01	34	14	0 = 01 14 44
	iPP		36	56	10°N 126°E
	iSKS		42	04	Dist. 136°
	e (SKKS)		50	36	Mindanao, aftershock
	eSS		55	26	felt: Samar
	eSSS	02	04	26	Mag. 6 1/2 (Pas.)
	eLR		25	00	
17	iP	15	53	21	0 = 15 46 45
	eS		58	49	16°N 96 1/2°W
	eLR	16	02	00	Dist. 33°
					Oaxoca, Mexico. Felt:
					Distrito Federal and
					Oaxaca
					h about 60 km
					Mag. 6 3/4-6 (Pas.)
18	iP	14	53	36	0 = 14 49 30
	i		55	21	25 1/2°N 45 1/2°W
	eS		56	56	Dist. 18°
	eLR		57	30	Mid-Atlantic Ocean
	eT	15	11	33	Mag. 6 1/4-6 1/2 (Pas.)
	eTmax		12	12	

Date	Phase	h	m	s	Remarks
1957					
Feb.					
19	e	00	08	11	0 = 23 49 52
					11 1/2°S 78°W
					Dist. 46°
					Near coast of Peru,
					felt: Lima
					h about 100 km
					Mag. 6 1/2- 6 3/4 (Pas.)
19	e	08	04	18	0 = 07 43 54
	e (LQ)		15	30	36 1/2°N 22°E
					Dist. 70°
					Near south coast of
					Greece
19	e (L)	20	43	30	0 = 19 58 55
					56°N 164°E
					Dist. 83°
					Near east coast of
					Kamchatka
20	e	05	07	30	0 = 04 41 00
	eLR		11	30	36 1/2°N 9°E
					Dist. 60°
					Northern Tunisia
					13 killed, many injured
					and extensive property
					damage in Souk-El
					Khemis area. Also felt
					in Algeria
20	e (LQ)	23	15	30	0 = 21 58 23
					2°N 97°E
					Dist. 143°
					Near coast of Sumatra
21	e	01	27	20	
	e (LQ)		33	00	

Date	Phase	h	m	s	Remarks
1957					
Feb.					
21	iP	14	41	28	0 = 14 30 06
	iS		50	54	53°N 171°W
	i		51	32	Dist. 74°
	eSS		55	39	Fox Islands, Aleutian Islands
					h about 100 km
					Mag. 6 3/4 (Pas.)
23	eL	13	44	00	0 = 13 16 51
					49°N 129° W
					Dist. 49°
					Off coast of Vancouver Island
23	ePP	20	46	56	0 = 20 26 12
	ePPP		50	06	24°N 122°E
	e	21	04	22	Dist. 123°
	e		06	30	Formosa. 11 killed,
	e		08	40	many injured, and ex-
	eLR		23	00	tensive damage at Hualien and Taipei.
					Mag. 7 - 7 1/4 (Pas.)
28	eLR	11	43	30	0 = 11 01 05
					Andreanof Islands, Aleutian Islands
March					
1	eLR	00	35	30	0 = 23 31 25
					Western Indian Ocean about 800 miles off coast of Madagascar
1	eLR	02	33	55	0 = 02 15 12
					Near coast of Oaxaca, Mexico

Date	Phase	h	m	s	Remarks
1957					
March					
2	iP	00	31	48	0 = 00 27 33
	Rare from the SW				18 1/2°N 78°W
	iS		34	54	Dist. 18°
	eLR		35	30	Jamaica. Moderate property damage at Montego Bay, Kingston; 2 killed and 5 injured
					Mag. 6 3/4 (Pas.)
					6 1/2 (Berk.)
2	e	08	33	44	0 = 09 10 24
	e		39	34	6°S 151°E
	e		42	57	Dist. 137°
	e		44	55	Near south coast of New Britain. Felt: Rabaul and Promio
	e		49	05	
	e		59	20	
	eLR	09	17	00	
3	eP	03	26	25	0 = 03 18 23
	ePcP		28	10	8 1/2°N 103°W
	ePcS		31	32	Dist. 42°
	eS		32	56	Off coast of Mexico
	eSS		36	11	Mag. 5 3/4 (Pas.)
	eLR		38	30	
5	iP	12	29	25	0 = 12 24 35
	Comp from the SE				33°N 34 1/2°W
	e		32	00	Dist. 27°
	eS		33	28	North Atlantic Ocean
	eLR		34	00	Mag 6 1/2 - 6 3/4 (Pas.)
	eT		50	20	
	eTmax		50	40	
8	iP	12	25	20	0 = 12 14 12
	iS		34	17	39 1/2°N 23°E
					Dist. 69°
					Eastern Greece, foreshock

Date	Phase	h	m	s	Remarks
1957					
March					
8	iP	12	32	18	0 = 12 21 08
	iS		41	20	39 1/2°N 23°E
	e (SS)		46	10	Dist. 69°
	eLR		51	00	Eastern Greece; 3 dead many injured and moderate property damage at Farsala, Larissa and Volos. Mag. 6 1/4 (Pas.)
8	ePP	23	48	44	0 = 23 35 08
	eS		55	32	39 1/2°N 23°E
	e (PPS)		56	42	Dist. 69°
	eLR	00	10	00	Eastern Greece, after-shock
9	iP	14	34	24	0 = 14 22 27 51°N 175°W Dist. 77° Andreanof Islands, Aleutian Islands Seismic seawave caused destruction of two villages and $3,000,000 damage on Oahu and Kauai, T. H. Mag. 8-8 1/2 (Pas.) 8 (Berk.)
9	iP	20	50	48	0 = 20 39 15
	iPPP		55	14	52 1/2°N 169 1/2°W
	iS	21	00	16	Dist. 74° Fox Islands, Aleutian Islands Mag. 6 3/4-7 (Pas.) 7-7 1/4 (Berk.)

Date	Phase	h	m	s	Remarks
1957					
March					
10	iP	03	18	02	0 = 03 06 02
	ePP		20	36	52°N 176°W
	eS		27	45	Dist. 78°
	eSS		32	30	Andreanof Islands, Aleutian Islands
	eLR		42	00	Mag. 6 1/2-6 3/4 (Pas.) (Berk.)
10	eP	03	21	10	0 = 03 08 55
	iS		30	28	51 1/2°N 174°W Dist. 77° Andreanof Islands, Aleutian Islands
10	eP	11	32	30	0 = 11 20 45
	eS		41	59	52°N 171°W
	e		46	40	Dist. 74°
	eLR	12	00	00	Fox Islands, Aleutian Islands
10	iP	15	38	06	0 = 15 26 23
	iS		47	50	52°N 173°W
	eSS		52	26	Dist. 76°
	eLR	16	04	00	Andreanof Islands, Aleutian Islands Mag. 6 3/4 (Berk.)
11	iP	03	24	42	0 = 03 12 41
	iS		34	40	51°N 177°W
	iSS		39	36	Dist. 78°
	e (LR)		50	00	Andreanof Islands, Aleutian Islands Mag. 6 3/4-7 (Pas.) (Berk.)

Date	Phase	h	m	s	Remarks
1957					
March					
11	iP	10	10	18	0 = 09 58 42
	iPP		12	57	53°N 164 1/2°W
	iS		19	42	Dist. 70°
	iSS		24	20	Fox Islands, Aleutian Islands
	e (LQ)		28	20	
	e (LR)		36	30	Mag. 6 3/4-7 (Pas.) 7-7 1/4 (Berk.)
11	iP	15	07	22	0 = 14 55 19
	iS		17	12	51 1/2°N 178 1/2°W
					Dist. 79°
					Andreanof Islands, Aleutian Islands
					Mag. 6 3/4 (Pas.) 7 - 7 1/4 (Berk.)
12	iP	07	40	39	0 = 07 28 40
	iPP		43	32	51 1/2°N 173 1/2°W
	iS		50	20	Dist. 76°
	iSS		54	12	Andreanof Islands,
	eLR	08	06	00	Aleutian Islands
					Mag. 6 1/4-6 1/2 (Pas.) 6 3/4-7 (Berk.)
12	iP	11	56	50	0 = 11 44 50
	iS	12	06	52	51°N 177°W
	eLR		21	00	Dist. 78°
					Andreanof Islands, Aleutian Islands
					Mag. 7-7 1/4 (Pas.) 7 1/4 (Berk.)
12	i (P)	21	30	05	0 = 21 22 45
	iPP		31	32	2 1/2°S 80°W
	iS		35	48	Dist. 38°
	i (SS)		38	33	Near coast of Ecuador
	e (LR)		40	30	

Date	Phase	h	m	s	Remarks
1957					
March					
12	e (P)	23	57	08	0 = 23 45 25
	e (S)	00	06	56	52°N 174°W
	e (SS)		11	28	Dist. 76°
	e (LR)		22	20	Andreanof Islands, Aleutian Islands
13	eP	03	00	12	0 = 02 48 20
	iPP		03	11	52°N 171 1/2°W
	iS		09	39	Dist. 75°
	eSS		14	22	Andreanof Islands,
	e (SSS)		18	13	Aleutian Islands
	eLR		29	00	
13	i (P)	09	21	12	0 = 09 09 34
	i (S)		30	38	52 1/2°N 170°W
	i (SS)		34	42	Dist. 74°
	e (LR)		44	00	Fox Islands, Aleutian Islands
13	iP	15	54	07	0 = 15 42 05
	iS	16	03	57	51 1/2°N 179°W
	i		07	48	Dist. 79°
	iSS		09	03	Andreanof Islands,
	eSSS		13	50	Aleutian Islands
	eLR		19	00	Mag. 6 3/4 (Pas.) (Berk.)
13	iP	20	10	40	0 = 19 59 23
	iS		19	52	54°N 166°W
	eSS		24	30	Dist. 71°
	e (LQ)		27	28	Fox Islands, Aleutian Islands
	eLR		32	30	
14	eLR	02	30	30	0 = 01 52 16
					52 1/2°N 169°W
					Dist. 73°
					Fox Islands, Aleutian Islands
14	eLR	03	29	00	0 = 02 46 55
					53 1/2°N 163 1/2°W
					Dist. 69°
					Off south coast of Unimak Island

Date	Phase	h	m	s	Remarks
1957					
March					
14	iP	14	59	46	0 = 14 47 45
	iS	15	09	35	51 1/2°N 177°W
	eLR		24	00	Dist. 78°
					Andreanof Islands,
					Aleutian Islands
					Mag. 7 1/2 (Pas.)
					7 1/4-7 1/2 (Berk.)
14	e (S)	22	40	08	0 = 22 18 23
	e (LQ)		56	30	51 1/2°N 176°W
					Dist. 77°
					Andreanof Islands,
					Aleutian Islands
15	iP	03	03	34	0 = 02 52 08
	e (PPP)		09	11	53°N 167°W
	iS		12	52	Dist. 72°
	e		15	40	Fox Islands, Aleutian
	iSS		17	30	Islands
	e (SSS)		21	30	Mag. 6 3/4 (Pas.)
	eLR		27	30	6 1/2 (Berk.)
16	iP	02	46	17	0 = 02 34 12
	iS		56	12	52°N 179°W
	eSS	03	01	12	Dist. 79°
	eLR		13	00	Andreanof Islands,
					Aleutian Islands
					Mag. 6 3/4 (Pas.)
					7 (Berk.)
16	e (L)	14	52	00	
17	e (LQ)	02	27	00	0 = 01 46 56
					51°N 180°W
					Dist. 79°
					Andreanof Islands,
					Aleutian Islands

Date	Phase	h	m	s	Remarks
1957					
March					
17	e (L)	03	31	30	0 = 02 48 36
					51°N 178 1/2°W
					Dist. 78°
					Andreanof Islands,
					Aleutian Islands
17	iP	08	05	57	0 = 07 53 51
	iS		15	51	51°N 179°W
	eSS		20	49	Dist. 79°
	eSSS		25	53	Andreanof Islands
	e (LQ)		27	30	Aleutian Islands
	eLR		32	30	
17	e (P)	15	23	04	0 = 15 11 42
	eS		32	24	53°N 167 1/2°W
	eSS		37	03	Dist. 72°
	eSSS		40	56	Fox Islands, Aleutian
	eLQ		44	00	Islands
	eLR		50	00	
17	i (P)	16	28	34	0 = 16 17 13
	e (S)		37	28	52 1/2°N 166°W
	e (SS)		42	25	Dist. 71°
	e (L)		54	00	Fox Islands, Aleutian
					Islands
17	iP	22	55	57	0 = 22 44 44
	ePP		58	36	54°N 166°W
	ePPP	23	00	10	Dist. 71°
	iS		05	09	Fox Islands, Aleutian
	eSS		09	33	Islands
	i (SSS)		13	22	Mag. 6 1/2 (Pas.)
	eLQ		15	30	
	eLR		18	30	
18	iP	02	37	03	0 = 02 25 26
	iS		46	37	52 1/2°N 171°W
	eSS		51	22	Dist. 74°
	eLQ		54	50	Fox Islands, Aleutian
	eLR	03	00	00	Islands

Date	Phase	h	m	s	Remarks
1957					
March					
18	eP	05	20	40	0 = 05 08 34
	eS		30	44	51 1/2°N 179°W
	e (SS)		35	22	Dist. 79°
	eLQ		40	36	Andreanof Islands,
	eLR		45	00	Aleutian Islands
18	iPKP	21	33	40	0 = 21 14 12
	ePP		36	22	6°S 152°E
	ePKS		37	29	Dist. 137°
	ePPP		38	30	New Britain
	eSKKS		43	24	
	ePS		46	28	
	ePPS		48	30	
	e		56	08	
	eLQ	22	09	40	
	eLR		17	00	
19	e (L)	04	23	30	0 = 03 39 35 52°N 175 1/2°W Dist. 78° Andreanof Islands, Aleutian Islands
19	eP	08	25	35	0 = 08 14 10
	eS		35	23	53°N 168°W
	eSS		39	44	Dist. 72°
	e (LQ)		49	00	Fox Islands, Aleutian
	eLR		55	00	Islands
19	iP	11	40	51	0 = 11 28 50
	ePP		43	37	51°N 176 1/2°W
	ePPP		45	52	Dist. 77°
	eS		50	33	Andreanof Islands,
	eSS		55	40	Aleutian Islands
	eLR	12	07	00	
19	iP	13	02	52	0 = 12 50 51
	iS		12	33	51 1/2°N 175°W
	eLR		27	00	Dist. 77° Andreanof Islands, Aleutian Islands Mag. 6 3/4 (Pas.)

Date	Phase	h	m	s	Remarks
1957					
March					
19	eP	15	59	10	0 = 15 47 24
	ePPP	16	04	15	52°N 172 1/2°W
	eS		08	51	Dist. 77°
	eLR		22	00	Fox Islands, Aleutian Islands
19	e (P)	17	16	20	0 = 17 04 25
	e (S)		25	37	52 1/2°N 171°W
	eLR		47	00	Dist. 74° Fox Islands, Aleutian Islands
20	e (P)	00	12	10	0 = 00 00 51
	e (S)		22	16	52°N 173°W Dist. 75° Andreanof Islands, Aleutian Islands
20	i (P)	00	33	57	0 = 00 22 25
	e (S)		43	19	53°N 169°W
	e		45	08	Dist. 73°
	eLR	01	04	00	Fox Islands, Aleutian Islands
20	e (S)	03	46	47	0 = 03 25 00
	eLR	04	08	00	51 1/2°N 175 1/2°W Dist. 77° Andreanof Islands Aleutian Islands
20	e (S)	11	23	08	0 = 11 01 42
	e		27	56	52°N 172°W
	e (LQ)		40	20	Dist. 75°
	eLR		45	00	Andreanof Islands, Aleutian Islands
21	e (L)	17	40	00	0 = 16 35 28 3°S 144 1/2°E Dist. 140° Near north coast of New Guinea

Date	Phase	h	m	s	Remarks
1957					
March					
21	e (L)	18	22	00	0 = 17 39 12 51 1/2°N 177°W Dist. 77° Andreanof Islands, Aleutian Islands
22	e	10	15	30	
22	iP	14	32	20	0 = 14 21 06
	iS		41	34	54°N 166°W
	iSS		46	04	Dist. 71°
	eLR		55	00	Fox Islands, Aleutian Islands Mag. 7 (Pas.) (Berk.)
22	eLR	20	07	00	0 = 19 44 22 37.9°N 122.6°W Dist. 47° Northern California Minor damage at Daly City and San Francisco Mag. 5 1/4-5 1/2 (Pas.)
23	i (PKP)	05	32	16	0 = 05 12 31
	i (PKP)		33	00	5 1/2°S 131°E
	e (SKKS)		47	07	Dist. 149°
	eLR	06	21	00	Banda Sea h about 100 km Mag. 7 (Pas.)
24	e	02	08	40	
24	iS	08	38	40	0 = 08 22 23
	iScS		41	20	51°N 130°W
	iSS		42	12	Dist. 50°
	eLQ		43	42	Near north coast of
	eLR		46	50	Vancouver Island Mag. 6 3/4-7 (Pas.) 6-6 1/4 (Berk.)

Date	Phase	h	m	s	Remarks
1957					
March					
24	iP	11	17	44	0 = 11 06 10
	eS		27	10	52 1/2°N 169 1/2°W
	eSS		31	56	Dist. 74°
	eLQ		35	55	Fox Islands, Aleutian
	eLR		40	00	Islands
25	eS	01	00	12	0 = 00 39 22
	eSS		04	57	53°N 168°W
	eSSS		08	30	Dist. 72°
	eLQ		16	00	
25	e (P)	02	35	42	0 = 02 28 36
	eS		40	22	13 1/2°N 91°W
	e (LQ)		42	40	Dist. 31°
	e (LR)		45	00	Near coast of Guatemala felt: San Salvador
25	e (LQ)	06	14	30	0 = 05 37 25 54°N 163 1/2°W Dist. 70° Unimak Island region, Alaska
25	e (L)	11	02	00	
25	e	18	35	28	0 = 18 25 48
	e		38	20	Revilla Gigedo Islands
	e		42	30	group
	e		48	16	
	e		52	28	
25	e	21	25	16	
	e		31	10	
	e		32	04	
	e		33	16	
	e		34	28	
	e		37	08	
	e		41	26	
	eLQ		46	08	
	eLR		57	30	

Date	Phase	h	m	s	Remarks
1957					
March					
26	e (P)	01	40	32	
	e (S)		45	04	
	e (L)		50	10	
26	e (P)	02	21	52	0 = 02 10 15
	e (S)		30	37	54°N 165 1/2°W
	e (SS)		35	09	Dist. 70°
	e (LQ)		38	46	Fox Islands, Aleutian
	eLR		48	00	Islands
26	eP	03	16	28	0 = 03 04 55
	eS		26	04	51 1/2°N 170°W
	eSS		30	32	Dist. 74°
	e		34	08	Fox Islands, Aleutian
	e		37	36	Islands
	e		39	42	
	eLR		48	00	
27	eLR	14	06	00	0 = 13 00 27 5°S 153 1/2°E Dist. 135° Off coast of New Britain felt: Rabaul and Karoola h about 100 km
28	e (P)	20	20	32	0 = 20 08 20
	iS		29	36	51°N 171 1/2°W
	eSS		34	15	Dist. 75°
	e		37	35	Fox Islands, Aleutian
	e (LQ)		40	30	Islands
	eLR		46	00	
29	iP	05	21	43	0 = 05 10 28
	Comp. from the NW				53 1/2°N 167°W
	iPP		24	27	Dist. 71°
	iPPP		26	10	Fox Islands, Aleutian
	iS		31	10	Islands
	iSS		35	31	
	iSSS		39	32	
	eLQ		40	18	
	eLR		43	00	

Date	Phase	h	m	s	Remarks
1957					
March					
29	iP	23	01	28	0 = 22 49 51
	i		02	50	53°N 169°W
	iS		10	32	Dist. 74°
	eSS		15	14	Fox Islands, Aleutian
	e (SSS)		19	20	Islands
	eLR		27	00	Mag. 6 - 6 1/4 (Pas.)
30	eLR	01	23	00	0 = 00 42 00 51 1/2°N 179 1/2°W Dist. 79° Andreanof Islands, Aleutian Islands
30	eLR	02	29	00	0 = 01 50 39 51 1/2°N 178°W Dist. 78° Andreanof Islands, Aleutian Islands
30	eLR	07	15	00	0 = 06 37 00 51°N 180°W Dist. 79° Andreanof Islands, Aleutian Islands
30	iP	09	28	53	0 = 09 17 00
	eS		38	32	52°N 175°W
	eLR		53	00	Dist. 77° Andreanof Islands, Aleutian Islands

BERMUDA-COLUMBIA UNIVERSITY SEISMOGRAPH STATION

SIGNAL HILL
ST. GEORGES, BERMUDA

SEISMOLOGICAL BULLETIN

By

G. PIMENTEL

1 April 1957 - 31 March 1958

The research reported in this document was made possible through support and sponsorship by the U.S. Navy, under Office of Naval Research Contract Nonr 26665. It is published for technical information only and does not represent recommendations or conclusions of the sponsoring agency. Reproduction in whole or in part is permitted for any purpose of the United States Government.

LAMONT GEOLOGICAL OBSERVATORY
(COLUMBIA UNIVERSITY)

Contribution No. 445

STATION CONSTANTS, INSTRUMENTS AND ABBREVIATIONS

LATITUDE: 32° 22' 46" N
LONGITUDE: 64° 40' 52" W
ELEVATION: 41 METERS
BEDROCK: CALCAREOUS AEOLIONITE

INSTRUMENTS:

THREE COMPONENT SHORT PERIOD BENIOFF SEISMOGRAPHS (N,E,Z)
To = 1 SEC., TG = 0.2 SEC.

THREE COMPONENT LONG PERIOD BENIOFF SEISMOGRAPHS (N,E,Z)
To = 1 SEC., TG = 75 SEC.

THREE COMPONENT COLUMBIA UNIVERSITY LONG PERIOD SEISMOGRAPHS (N,E, Z) TO = 15 SEC., TG = 75 SEC.

TWO MILNE-SHAW HORIZONTAL SEISMOGRAPHS (NE, NW)
To = 12 SEC., V = 250

ONE COLUMBIA UNIVERSITY MICROBAROGRAPH
To = 10 SEC., TG = 75 SEC.

EPICENTRAL DATA FROM U.S. COAST AND GEODETIC SURVEY PRELIMINARY DETERMINATIONS.

ABBREVIATIONS

I = SUDDEN BEGINNING OF THE MOTION (IMPETUS)

E = GRADUAL BEGINNING OF THE MOTION (EMERSIO)

ALL TIMES ARE G. C. T.

THE BERMUDA-COLUMBIA UNIVERSITY SEISMOGRAPH STATION, FORMERLY KNOWN AS THE BERMUDA SEISMOGRAPH STATION, WAS INITIALLY SPONSORED BY THE BERMUDA GOVERNMENT, THE U. S. COAST AND GEODETIC SURVEY, THE INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS AND THE ROYAL SOCIETY OF LONDON. SINCE 1951 NEW INSTRUMENTS HAVE BEEN ADDED UNDER THE JOINT SPONSORSHIP OF THE BERMUDA GOVERNMENT AND COLUMBIA UNIVERSITY. IT IS REQUESTED THAT EXCHANGE BULLETINS AND PAPERS BE MAILED DIRECTLY TO BERMUDA.

DATE:	PHASE	H M S	REMARKS
1957			
APRIL 2	eP	00 51 36	ANDREANOF ISLAND, ALEUTIAN ISLANDS
	eS	01 01 07	0 = 00 39 42
	eSS	01 05 42	51°N 173°W
	E	01 15 00	DIST. 75° BERMUDA
	e(LR)	01 17 30	
2	eP	20 28 45	ANDREANOF ISLAND, ALEUTIAN ISLANDS
	iS	20 38 36	0 = 20 16 57
	eSS	20 43 25	51½° N, 173° W
	e(LR)	20 52 00	DIST. 75° BERMUDA
2	eP	21 39 47	ANDREANOF ISLAND, ALEUTIAN ISLANDS
	ePP	21 42 15	0 = 21 27 54
	ePPP	21 44 00	51° N, 173° W
	eS	21 49 28	DIST. 75° BERMUDA
	eSS	21 54 22	
	e(LR)	22 06 00	
3	e(PcP)	17 27 35	
	e(PcS)	17 31 15	
	e(SS)	17 34 48	
	e(LR)	17 36 00	
	INTERPRETATION DOUBTFUL		
4	iP	00 23 21	NEAR COAST OF ALASKA PENINSULA.
	iPP	00 26 06	FELT KODIAK ISLAND.
	iS	00 31 48	0 = 00 13 08
	iSS	00 35 46	58° N, 155½° W
	e(LQ)	00 38 46	DEPTH ABOUT 150 KM
	eLR	00 41 30	DIST. 64° BERMUDA
4	E	07 16 38	
	E	07 23 00	
	eLR	07 38 00	
4	E	11 20 28	PROBABLY SOUTHERN MENDOZA
	E	11 24 35	PROVINCE, ARGENTINA.
	E	11 28 16	0 = 11 00 20
	eLR	11 32 00	
5	iP	03 01 32	FOX ISLAND, ALEUTIAN ISLANDS
	iPP	03 04 13	0 = 02 49 39
	iPPP	03 05 57	52° N, 172½° W
	iS	03 10 58	MAG 6½
	iSS	03 15 57	DIST. 74° BERMUDA
	e(SSS)	03 18 20	
	eLR	03 23 00	

DATE 1957	PHASE	H M S	REMARKS
APRIL 5	iPP	07 50 52	KERMADEC ISLANDS REGION
	iSKS	07 56 00	O = 07 30 22
	iSKKS	07 57 37	26½° S, 177 W
	iPS	08 00 36	MAG 6¾
	i	08 06 27	DEPTH ABOUT 100 KM
	eSS	08 07 16	DIST. 121° BERMUDA
	e(LQ)	08 21 20	
	eLR	08 25 20	
5	iP	16 18 13	NEAR COAST OF NICARAGUA.
	iS	16 23 06	FELT EL SALVADOR.
	eLR	16 25 30	O = 16 12 20
			12½° N, 88° W
			DEPTH ABOUT 100 KM
			DIST. 29° BERMUDA
7	i(PKP)	10 33 54	NEAR NORTH COAST OF NEW
	i(PKS)	10 37 14	GUINEA.
	e(PPP)	10 39 30	O = 10 14 08
	i(SKKS)	10 43 49	1° S, 137½° E
	i(PcSPKP)	10 45 49	MAG 6-6¾
	i(PS)	10 47 06	DIST. 140° BERMUDA
	i(PPS)	10 49 28	
	e(SS)	10 55 34	
	e	11 00 25	
	eLR	11 24 00	
8	iP	20 24 28	PANAMA - COSTA RICA BORDER.
	ePP	20 25 27	FELT BALBOA HEIGHTS.
	e(S)	20 29 40	O = 20 18 09
	eLR	20 32 00	8½° N, 83° W
			MAG 6½
			DIST. 30° BERMUDA
9	i	00 43 36	OFF SOUTH COAST OF HONSHU,
	i	00 45 05	JAPAN.
	i	00 48 20	O = 00 24 39
	i	00 49 47	30½° N, 138½° E
	i	00 51 46	MAG 6¾ 6½
	i	00 52 23	DEPTH ABOUT 450 KM
	i	00 55 25	DIST. 113° BERMUDA

DATE 1957	PHASE	H M S	REMARKS
APRIL 9	iP	11 14 16	ANDREANOF ISLANDS, ALEUTIANS
	ePP	11 17 18	O = 11 02 12
	iS	11 24 14	51½° N, 178½° W
	eSS	11 29 08	DIST. 79° BERMUDA
	eSSS	11 33 32	
	eLR	11 39 00	
9	eLR	21 02 00	FOX ISLANDS, ALEUTIANS
			O = 20 35 56
			52½° N, 169° W
			DIST. 73° BERMUDA
10	e(S)	03 46 06	FOX ISLANDS, ALEUTIANS
	eLR	04 01 00	O = 03 25 20
			53° N, 168° W
			DIST. 72° BERMUDA
10	iP	05 19 00	NEAR COAST OF OAXACA, MEXICO.
	iS	05 24 32	O = 05 12 08
	eLR	05 27 00	15½° N, 98° W
			MAG 6¾-7, 6½
			DIST. 35° BERMUDA
10	e(L)	07 42 30	GUATEMALA
			O = 07 28 03
			14° N, 91½° W
			DIST. 30° BERMUDA
10	e(S)	09 31 12	ANDREANOF ISLANDS, ALEUTIANS
			O = 09 09 18
			51° N, 177° W
			DIST. 78° BERMUDA
10	iP	11 40 36	KODIAK ISLAND REGION
	iPPP	11 44 46	O = 11 29 58
	iS	11 48 48	56° N, 154° W
	iScS	11 50 22	MAG 7 7½
	e(LQ)	11 56 07	DIST. 64° BERMUDA
	eLR	11 59 00	

DATE	PHASE	H M S	REMARKS
1957			
APRIL II	E	01 36 56	
	E	01 39 24	
	E	01 47 06	
	E	02 00 38	
	E(LR)	02 13 20	
II	E	07 13 28	SOMOA ISLANDS
	E	07 22 12	0 = 06 44 33
	E	07 30 28	
	E	07 37 06	
	E	07 38 52	
	E(L)	07 40 00	
II	E	17 59 05	FOX ISLANDS, ALEUTIANS
	E(S)	18 01 35	0 = 17 40 37
	E(SS)	18 06 16	52° N, 168½° W
	E(LQ)	18 09 52	DIST. 73° BERMUDA
	E(LR)	18 18 30	
12	E(S)	04 39 47	ANDREANOF ISLANDS, ALEUTIANS
	ELR	04 55 00	0 = 04 17 45
			51½° N, 178½° W
			DIST. 79° BERMUDA
12	E(L)	16 48 00	
13	IP	03 52 57	OFF COAST OF VANCOUVER ISLAND,
	IPcP	03 53 52	BRITISH COLUMBIA
	IPP	03 54 55	0 = 03 44 00
	IS	04 00 16	48½° N, 128° W
	ISS	04 04 10	DIST. 50° BERMUDA
	ELR	04 07 00	
14	ISKS	07 37 20	SOUTHERN TIBET
	ISKKS	07 38 20	0 = 07 11 50
	I	07 39 20	31° N, 84½° E
	IPS	07 40 36	MAG 6¼
	IPPS	07 41 56	DISTANCE 110° BERMUDA
	I	07 42 37	
	I	07 47 44	
	ELR	08 02 30	

DATE	PHASE	H M S	REMARKS
1957			
APRIL 15	IP	21 44 36	FOX ISLANDS, ALEUTIANS
	ES	21 53 50	0 = 21 33 05
	ESS	21 58 56	52½° N, 167° W
	E(LQ)	22 02 00	DIST. 72° BERMUDA
	ELR	22 10 00	
16	I	04 22 53	WESTERN JAVA SEA
	I	04 25 08	0 = 04 04 04
	I	04 26 28	4½° S, 107½° E
	I	04 27 50	MAG 7½
	I	04 29 19	DEPTH ABOUT 600 KM
	I	04 31 14	DIST. 151° BERMUDA
	I	04 33 10	
	I	04 33 58	
	I	04 36 08	
	I	04 39 52	
	I	04 41 45	
	I	04 45 12	
	I	04 48 16	
17	E(S)	09 49 08	
17	ELR	10 05 00	
17	EP	13 36 28	FOXISLANDS, ALEUTIANS
	ES	13 45 52	0 = 13 24 58
	ESS	13 50 20	52½° N, 169° W
	ESSS	13 54 37	DIST. 73° BERMUDA
	ELQ	13 56 26	
	ELR	14 01 00	
17	E(P)	18 15 45	MEXICO GUATEMALA BORDER
	E(S)	18 20 40	0 = 18 09 26
	ELR	18 23 30	14½° N, 92° W
			DIST. 30° BERMUDA

DATE	PHASE	H M S	REMARKS
1957			
APRIL 18	E(S)	00 37 20	FOX ISLANDS, ALEUTIANS
	E(LR)	00 55 24	O = 00 16 17
			52° N, 171° W
			DIST. 74° BERMUDA
18	E(S)	07 21 44	ANDREANOF ISLANDS, ALEUTIANS
	ELR	07 35 30	O = 07 00 06
			51½° N, 176° W
			DIST. 77° BERMUDA
19	E	06 02 00	
19	E	09 19 30	SOLOMAN ISLANDS
			O = 08 39 37
			6½° S, 155½° E
			DIST. 133° BERMUDA
19	iP	15 56 27	FOX ISLANDS
	RARE FROM N.W.		O = 15 44 53
	iPcP	15 56 47	51½° N, 168½° W
	ePP	15 59 21	DIST. 72° BERMUDA
	ePPP	16 00 47	
	eS	16 05 41	
	eSS	16 10 21	
	E(SSS)	16 14 13	
	E(LR)	16 18 00	
19	iP	22 30 53	FOX ISLANDS, ALEUTIANS
	RARE FROM THE N.W.		O = 22 19 26
	iPPP	22 35 16	52° N, 166½° W
	iS	22 40 11	MAG 7-7¼
	iSS	22 44 47	DIST. 72° BERMUDA
	eSSS	22 48 39	
	eLR	22 54 00	
20	E	07 13 00	SOUTH PACIFIC OCEAN
	E	07 15 26	O = 06 48 04
	E	07 21 30	54½° S, 148½° E
	E	07 25 24	DIST. 147° BERMUDA
	E	07 31 25	
20	E	12 53 04	NEAR COAST OF NEW GUINEA
	E	12 56 40	O = 12 30 37
	E	13 00 00	6° S, 147½° E
			DIST. 140° BERMUDA

DATE	PHASE	H M S	REMARKS
1957			
APRIL 21	iP	21 18 07	COLOMBIA-VENEZUELA BORDER
	iPP	21 18 46	O = 21 12 26
	iS	21 22 35	7° N, 72° W
	E(LQ)	21 24 15	MAG 6½-6¾
	eLR	21 25 00	DIST. 26° BERMUDA
	eT	21 32 56	
	eT MAX.	21 33 10	
23	iP	22 08 46	NORTHERN CHILE-ARGENTINE BOARDER
	ePP	22 11 15	O = 21 58 35
	ePPP	22 12 18	27° S, 68° W
	iS	22 16 54	DIST. 60° BERMUDA
	eScS	22 18 27	
	eSS	22 20 20	
	eLQ	22 23 46	
	eLR	22 27 00	
24	iP	19 21 47	TURKEY FORESHOCK
	iPPP	19 26 34	O = 19 10 05
	iS	19 31 18	36° N, 26½° E
	iPPS	19 32 26	MAG 6¾-7 7-7¼
	iSS	19 35 40	DIST. 75° BERMUDA
	eLQ	19 39 40	
	eLR	19 44 30	
25	iP	02 37 13	NEAR SOUTH COAST OF TURKEY.
	COMP. FROM THE N.E.		15 KILLED AT FETHIYE, TURKEY.
	i(P)	02 38 15	MANY INJURED AND EXTENSIVE
	iPP	02 40 19	PROPERTY DAMAGE THROUGHOUT
	iPPP	02 41 43	SOUTH-EASTERN TURKEY AND THE
	E	02 43 35	ISLAND OF RHODES. ALSO FELT
	I	02 45 42	ON CYPRUS, CAIRO, AND THE
	iS	02 46 13	DODECANESE ISLANDS.
	eSS	02 50 39	O = 02 25 36
	eLQ	02 56 30	36½° N, 29° E
	eLR	02 58 00	MAG 7-7¼ 7¼
			DIST. 75° BERMUDA
25	iP	07 27 06	ANDREANOF ISLANDS, ALEUTIANS
	ePP	07 30 00	O = 07 15 15
	ePPP	07 31 47	52° N, 173½° W
	iS	07 36 45	DIST. 76° BERMUDA
	eSS	07 41 25	
	eLQ	07 46 40	
	eLR	07 53 30	

DATE	PHASE	H M S	REMARKS
1957			
APRIL 25	iPKP	10 36 10	OFF COAST OF NEW GUINEA
	E(LR)	11 31 30	O = 10 16 18
	INTERPRETATION DOUBTFUL		4½° S, 134° E
			DIST. 146° BERMUDA
25	i(PKP)	11 25 42	MOLUCCA PASSAGE
			O = 11 06 02
			1½° N, 126° E
			DIST. 144° BERMUDA
25	E(LR)	14 40 30	NEAR SOUTH COAST OF ALASKA
			O = 14 07 58
			60½° N, 145° W
			DIST. 58° BERMUDA
25	E(S)	18 07 28	ANDREANOF ISLANDS, ALEUTIANS
	ELR	18 22 30	O = 17 45 14
			51½° N, 180°
			DIST. 79° BERMUDA
25	E(LR)	22 18 00	IMPERIAL COUNTY CALIFORNIA FELT
			O = 21 57 36
			33° N, 115½° W
			MAG 5.4 5¾-6
			DIST. 42° BERMUDA
25	E(P)	22 32 06	IMPERIAL COUNTY CALIFORNIA FELT
	E(S)	22 38 08	O = 22 24 11
	ELR	22 45 00	33½° N, 115½° W
	INTERPRETATION DOUBTFUL		MAG 5.3 5¾-6
			DIST. 42° BERMUDA
26	E	02 43 00	HINDU KUSH
			O = 02 11 52
			37° N, 70½° E
			DEPTH ABOUT 200 KM
			DIST. 99° BERMUDA
26	E(P)	06 45 16	TURKEY AFTERSHOCK
	E(S)	06 55 16	O = 06 33 32
	ELR	07 08 00	36½° N, 29° E
			DIST. 75° BERMUDA

DATE	PHASE	H M S	REMARKS
1957			
APRIL 26	E(L)	10 51 50	NEAR SOUTH COAST OF ALASKA
	ELR	10 55 30	O = 10 23 17
			60° N, 147° W
			DIST. 58° BERMUDA
26	ELR	15 55 00	KURILE ISLANDS
			O = 15 08 22
			45° N, 148° E
			DIST. 97° BERMUDA
27	E	01 00 00	NEAR COAST OF CELEBES
			O = 00 09 47
			0 121½° E
			DEPTH ABOUT 60 KM
			DIST. 146° BERMUDA
27	E	03 20 00	FOX ISLANDS, ALEUTIANS
			O = 02 39 24
			53° N, 166° W
			DIST. 71° BERMUDA
27	E	05 05 00	NEAR COAST OF CHILE
			FELT SANTIAGO
			O = 04 19 20
27	ELR	13 28 00	ANDREANOF ISLANDS, ALEUTIANS
			O = 12 48 45
28	iPKP	01 43 11	OFF COAST OF MINDANAO, P.I.
	iPP	01 46 07	O = 01 23 40
	iPKS	01 47 48	7° N, 127° E
	iPPP	01 48 40	MAG 5¾ - 6
	iSKKS	01 52 24	DIST. 138° BERMUDA
	iPS	01 56 30	
	EPPS	01 57 40	
	ESS	02 04 13	
	E(SKSSKS)	02 05 01	
	E(PKPSKS)	02 08 35	
	E	02 09 41	
	ELR	02 28 00	

DATE	PHASE	H M S	REMARKS
1957			
APRIL 28	eLR	II 38 00	SOLOMAN ISLANDS
			0 = IO 36 4I
			6° S, I55° E
			DEPTH ABOUT 60 KM
			DIST. I33° BERMUDA
28	eP	I5 00 25	FOX ISLANDS
	eS	I5 09 49	0 = I4 48 52
	eSS	I5 I4 30	52½° N, I68½° W
	eSSS	I5 I8 I7	DIST. 73° BERMUDA
	eLQ	I5 20 00	
	eLR	I5 24 00	
29	e(P)	04 4I 37	FOX ISLANDS
	eS	04 5I 0I	0 = 04 30 04
	e(PPS)	04 52 44	52½° N, I68½° W
	eSS	04 55 38	DIST. 73° BERMUDA
	e(LQ)	04 59 36	
	eLR	05 06 30	
29	e(PKP)	2I I6 02	OFF SOUTH COAST OF JAVA
	e(PKP_2)	2I I6 36	0 = 20 55 57
	e	2I I8 28	9° S, I07° E
	e(PKS)	2I 20 07	DIST. I55° BERMUDA
	e(PP)	2I 20 48	
	e(PPP)	2I 24 I2	
	e(SKKKS)	2I 28 I6	
	e(SS)	2I 39 44	
	eLR	22 I6 00	
MAY I	eS	23 49 I9	FOX ISLANDS, ALEUTIANS
	eSS	23 54 05	0 = 23 28 09
	eLQ	23 58 07	52½° N, I7I° W
	eLR	00 03 30	DIST. 74° BERMUDA
2	e(LQ)	02 42 54	FOX ISLANDS, ALEUTIANS
	eLR	02 54 00	0 = 02 22 I8
			54° N, I66° W
			DIST. 70° BERMUDA

DATE	PHASE	H M S	REMARKS
1957			
MAY 2	eP	04 03 08	BAFFIN BAY
	ePP	04 04 23	0 = 03 55 34
	iS	04 09 06	72° N, 67½° W
	eSS	04 II 23	MAG 6½-6½ 6
	eLR	04 I3 00	DIST. 39° BERMUDA
2	iPP	I0 52 I8	SOUTH PACIFIC OCEAN
	iPPP	I0 54 43	0 = I0 34 I4
	iSKS	I0 58 48	56½° S, I23° W
	iPS	II 0I 24	DIST. I0I° BERMUDA
	e(PPS)	II 03 00	
	iSS	II 06 50	
	eSKKS	II II I6	
	eLQ	II I6 40	
	eLR	II I9 00	
2	iP	II 40 49	FOX ISLANDS, ALEUTIANS
	iS	II 50 08	0 = II 29 I3
	e	II 58 35	52½° N, I69° W
	e(L)	I2 06 30	DIST. 73° BERMUDA
2	iP	II 50 26	FOX ISLANDS, ALEUTIANS
	e(PPP)	II 54 52	0 = II 38 52
	iS	II 59 49	52½° N, I69° W
	iSS	I2 04 33	DIST. 73° BERMUDA
	eLR	I2 I3 20	
2	iPKP	2I 55 20	FLORES SEA
	iPP	2I 57 49	0 = 2I 36 25
	iPPP	22 0I 2I	7½° S, I20° E
	eSKS	22 02 26	DEPTH ABOUT 600 KM
	eSKKS	22 05 I3	DIST. I40° BERMUDA
	ePS	22 08 52	
	eSKSSKS	22 I8 36	
	e	22 23 36	
	e	22 27 47	
3	e	07 32 36	ANDREANOF ISLANDS, ALEUTIANS
	e	07 46 I2	0 = 07 I0 25
	eLR	07 5I 00	5I° N, I79½° E
			DIST. 79° BERMUDA

DATE	PHASE	H M S	REMARKS
1957			
MAY 3	E	12 37 42	
	ELR	12 51 30	
4	E(PKP)	10 38 32	WESTERN NEW GUINEA
	E(PKS)	10 42 13	0 = 10 05 45
	E(SKS)	10 46 10	3½° S, 137° E
	E(SKKS)	10 48 00	DIST. 143° BERMUDA
	E(PPS)	10 54 14	
	ELR	11 16 00	
	(INTERPRETATION DOUBTFUL)		
5	E(LQ)	01 48 30	
6	E(LR)	11 59 30	ANDREANOF ISLANDS, ALEUTIANS
			0 = 11 18 15
			52° N, 173° W
			DIST. 76° BERMUDA
7	I(S)	01 31 22	OFF COAST OF ECUADOR
	ELR	01 34 00	0 = 01 18 28
			1° N, 85½° W
			DIST. 38° BERMUDA
7	E(S)	05 58 44	ANDREANOF ISLANDS, ALEUTIANS
	E(LQ)	06 11 40	0 = 05 36 32
	ELR	06 16 00	51½° N, 179½° E
			DIST. 80° BERMUDA
7	E	22 12 00	
8	I(PKP)	20 33 00	FIJI ISLANDS
	E(PKS)	20 36 31	0 = 20 09 55
	E(SKKS)	20 40 57	15½° S, 179° E
	E	20 42 36	DEPTH ABOUT 400 KM
	ELR	21 04 00	DIST. 120° BERMUDA
	INTERPRETATION FAIR		
11	ELR	08 08 30	ANDREANOF ISLANDS, ALEUTIANS
			0 = 07 30 22
			51½° N, 178½° W
			DIST. 78° BERMUDA

DATE	PHASE	H M S	REMARKS
1957			
MAY 12	IP	05 01 28	SANDWICH ISLANDS REGION
	EPP	05 05 25	0 = 04 47 44
	EPPP	05 07 16	DIST. 98° BERMUDA
	E	05 10 40	
	E(SKS)	05 12 08	
	E(SS)	05 19 28	
	ELR	05 33 00	
12	E	07 02 00	NORTHERN SAKHALIN
	E(L)	07 35 00	0 = 06 48 27
			53° N, 142° E
			DIST. 90° BERMUDA
12	E	11 49 00	NEAR SOUTH COAST OF JAVA
	E	11 49 50	0 = 11 29 07
	E	11 55 29	8½° S, 107½° E
	E	11 57 36	DIST. 154° BERMUDA
	E	12 03 36	
	E	12 14 24	
	E	12 17 20	
	ELR	12 50 00	
15	E(P)	02 17 13	CHIAPAS, MEXICO
	E(S)	02 22 06	0 = 02 11 05
	E(SS)	02 23 00	17½° N, 93½° W
	E(LQ)	02 23 40	DEPTH ABOUT 100 KM
	INTERPRETATION DOUBTFUL		DIST. 30° BERMUDA
17	E(P)	20 50 30	REVILLA GIGEDO ISLANDS REGION
	E(PP)	20 52 07	0 = 20 42 40
	E(PcS)	20 56 37	
	I(S)	20 57 00	
	E(LQ)	20 58 40	
	ELR	21 01 00	
18	IP	05 35 49	FOX ISLANDS, ALEUTIANS
	EPP	05 38 40	0 = 05 24 01
	EPPP	05 40 29	51° N, 171° W
	IS	05 45 28	DIST. 76° BERMUDA
	ISS	05 50 17	
	ISSS	05 54 10	
	E(LQ)	05 57 20	
	ELR	05 59 00	

DATE	PHASE	H M S	REMARKS
1957			
MAY 19	eP	07 26 34	ABOUT 800 MILES WEST OF
	iS	07 34 00	GALAPAGOS ISLANDS
	e(LQ)	07 39 00	0 = 07 17 20
	eLR	07 41 30	
19	iP	21 06 36	NEAR COAST OF NICARAGUA
	iS	21 11 31	0 = 21 00 36
	eLR	21 14 30	12° N, 87° W
			DEPTH ABOUT 100 KM
			DIST. 29° BERMUDA
20	eP	02 03 00	ANDREANOF ISLANDS, ALEUTIANS
	ePPP	02 08 26	0 = 01 50 54
	eS	02 13 08	54° N, 180°
	eSS	02 18 24	DIST. 78° BERMUDA
	eSSS	02 23 32	
	e(LQ)	02 25 40	
	eLR	02 29 00	
20	eLR	06 53 00	OFF COAST OF COSTA RICA
			0 = 06 38 30
20	e(T)	17 32 36	
20	eP	21 39 17	DIST. 22° BERMUDA
	eS	21 43 17	
	eLR	21 44 30	
21	ePKP	01 31 10	MARIANA ISLANDS REGION
	ePKP	01 32 03	0 = 01 11 58
	ePP	01 32 26	21½° N, 144° E
	ePPP	01 35 07	DEPTH ABOUT 100 KM
	iSKS	01 37 30	DIST. 120° BERMUDA
	iSKS	01 38 52	
	iPKKP	01 41 36	
	iPS	01 42 30	
	eSS	01 48 22	
	eSSS	01 52 48	
	eSSSS	01 56 16	
	eLR	02 07 00	

DATE	PHASE	H M S	REMARKS
1957			
MAY 22	eP	13 41 50	ANDREANOF ISLANDS, ALEUTIANS
	ePP	13 44 48	0 = 13 29 44
	ePPP	13 46 44	50° N, 177° W
	eS	13 51 50	MAG 6½
	eSS	13 56 48	DIST. 79° BERMUDA
	eLQ	14 00 00	
	eLR	14 04 00	
24	iP	02 44 00	COLOMBIA
	iPP	02 44 48	0 = 02 37 37
	iS	02 49 00	3° N, 76½° W
	eLR	02 52 00	MAG 6¾ 6½
			DIST. 31° BERMUDA
24	iP	03 48 06	FOX ISLANDS, ALEUTIANS
	iS	03 57 16	0 = 03 36 33
	eSS	04 01 52	53° N, 167½° W
	e(LQ)	04 05 08	MAG 6-6¼
	eLR	04 10 00	DIST. 72° BERMUDA
26	NOTE: SEVERAL UNDETERMINED AFTERSHOCKS ON THIS DAY		
26	E	04 38 00	FOX ISLANDS, ALEUTIANS
	e(L)	04 56 00	0 = 04 16 44
26	iP	06 45 09	BOLU PROVINCE, TURKEY.
	RARE FROM THE EAST		53 KILLED, 70 INJURED AND
	eS	06 54 44	MAJOR PROPERTY DAMAGE
	eSS	06 59 38	0 = 06 33 31
	e(L)	07 02 14	41° N, 31° E
	eLR	07 08 00	MAG 7
			DIST. 74° BERMUDA
26	eLR	17 07 00	CERAM ISLAND REGION
			0 = 15 53 30
			3° S, 131° E
			DIST. 147° BERMUDA
27	e(L)	11 11 00	OFF COAST OF COLOMBIA
			0 = 10 55 16
			4° N, 83° W
			DIST. 34° BERMUDA

DATE	PHASE	H M S	REMARKS
1957			
MAY 27	E(L)	II 33 00	TURKEY AFTERSHOCK FELT O = II 01 26 40½° N, 31° E DIST. 74° BERMUDA
27	E(L)	20 42 00	FOX ISLANDS, ALEUTIANS O = 19 57 56 52° N, 170½° W DIST. 74° BERMUDA
28	E	01 17 30	TURKEY AFTERSHOCK O = 00 09 45 40½° N, 31° E DIST. 74° BERMUDA
28	E(L)	01 56 00	SAMOA ISLANDS O = 00 19 10
28	E	06 16 00	PAKISTAN-BURMA BORDER
	E	06 21 00	O = 05 51 30
	E	06 28 00	25½° N, 95° E
	ELR	06 49 00	DIST. 119° BERMUDA
29	E(P)	07 36 48	PACIFIC NORTH OF EASTER ISLAND
	IS	07 45 51	O = 07 26 07
	ESS	07 48 39	14° S, 112° W
	ELQ	07 53 07	DIST. 66° BERMUDA
	ELR	07 57 00	
30	E(PP)	00 38 49	TONGA ISLANDS
	E(SKS)	00 44 35	O = 00 18 52
	E(SKKS)	00 46 42	20° S, 175° W
	E(PS)	00 48 28	DIST. 125° BERMUDA
	E(SS)	00 54 52	
	ELR	01 17 00	
	INTERPRETATION DOUBTFUL		
30	E(L)	20 40 00	NEAR SOUTH COAST OF HOKKAIDO, JAPAN O = 19 49 25 41½° N, 143° E DIST. 102° BERMUDA

DATE	PHASE	H M S	REMARKS
1957			
MAY 31	E(L)	00 02 00	
31	E(LQ)	01 02 00	
31	I(P)	02 25 43	SANTIAGO DEL ESTERO PROVINCE, ARGENTINA
	RARE FROM THE S.W.		
	I(PPP)	02 28 35	O = 02 16 27
	E(PPP)	02 31 13	27½° S, 63° W
	I(S)	02 33 10	MAG 6¼-6½ 6¼
	I(sS)	02 34 36	DEPTH ABOUT 600 KM
	I(SS)	02 36 20	DIST. 61° BERMUDA
	E(sSS)	02 38 32	
	E(SSS)	02 40 25	
	INTERPRETATION DOUBTFUL		
31	E	03 31 34	UNIMAK ISLAND REGION
	E	03 35 04	O = 03 10 18
	E	03 43 16	54° N, 163½° W
	E(L)	03 45 00	DIST. 69° BERMUDA
31	EP	22 04 00	NEAR COAST OF COLOMBIA
	EPP	22 05 04	O = 21 57 46
	IS	22 09 00	3½° N, 77° W
	ESS	22 10 14	DEPTH ABOUT 100 KM
	ELR	22 12 30	DIST. 31° BERMUDA
31	EP	22 29 25	ANDREANOF ISLANDS, ALEUTIANS
	ES	22 39 18	O = 22 17 10
	ELR	22 57 00	51° N, 179½° W
			DIST. 79° BERMUDA
JUNE 1	E(L)	01 52 00	
1	E(LQ)	06 02 00	NORTHERN TURKEY AFTERSHOCK O = 05 26 56 40½° N, 31° E DIST. 74° BERMUDA
1	E	12 12 00	

DATE	PHASE	H M S	REMARKS
1957			
JUNE 1	eP	19 42 46	GALAPAGOS ISLANDS
	ePP	19 44 16	O = 19 35 03
	eS	19 48 52	1° N, 91° W
	eLQ	19 51 50	DIST. 41° BERMUDA
	eLR	19 53 30	
1	E	23 43 00	
2	E(L)	22 07 00	NEAR EAST COAST OF KAMCHATKA O = 21 21 45 52½° N, 160° E DIST. 88° BERMUDA
3	E	00 23 00	EASTERN JAVA O = 23 00 29
4	E	09 03 00	
4	E	17 24 29	FIJI ISLANDS
	E	17 29 06	O = 17 05 02
	E	17 30 33	17½° S, 178° W
	E	17 31 38	MAG 6¼-6¾
	E	17 33 32	DEPTH ABOUT 550 KM
			DIST. 118° BERMUDA
4	E(LR)	21 38 00	CENTRAL SUMATRA O = 20 18 05
4	E(LR)	23 37 00	
5	iP	07 22 28	NORTH ATLANTIC OCEAN
	iS	07 27 26	O = 07 16 17
	eLR	07 30 00	52° N, 35° W
			DIST 30° BERMUDA
5	E(L)	08 57 00	SOUTHERN ALASKA O = 08 26 53

DATE	PHASE	H M S	REMARKS
1957			
JUNE 5	E(P)	14 10 26	OFF EAST COAST OF KAMCHATKA
	E(L)	14 41 00	O = 13 57 42 53° N, 162½° E DIST. 86° BERMUDA
5	E(P)	22 25 20	NORTHWEST OF ISLAND OF
	E(S)	22 35 40	TRISTAN DA CUNHA
	eLR	22 50 30	O = 22 12 55 36° S, 16° W DIST. 83° BERMUDA
6	E(LR)	04 09 00	ANDREANOF ISLANDS ALEUTIANS O = 03 30 22 52° N, 178° W DIST. 78° BERMUDA
6	E(LR)	06 19 00	FOX ISLANDS, ALEUTIANS O = 05 38 27 52° N, 171½° W DIST. 75° BERMUDA
6	E(LR)	16 16 00	
6	E(LR)	20 58 00	MOLUCCA PASSAGE O = 19 49 47 3° N, 126½° E DIST. 142° BERMUDA
8	E(L)	04 38 00	BISMARK SEA O = 03 23 33 3° S, 147½° E DIST. 138° BERMUDA
8	E(LR)	07 15 00	NEW IRELAND O = 06 07 47 2½° S, 150° E DIST. 135° BERMUDA
8	E(L)	23 32 00	LOYALTY ISLANDS O = 22 26 17 19½° S, 168° E DIST. 131° BERMUDA

DATE	PHASE	H M S	REMARKS
1957			
JUNE 10	E	01 23 16	SUMBAWA ISLAND
	E	01 24 10	0 = 00 59 54
	E	01 30 06	9° S, 117° E
	E	01 34 28	DIST. 156° BERMUDA
	E	01 43 00	
	E	01 49 20	
11	E(PKP)	15 10 48	KERMADEC ISLANDS, FELT
	E(PP)	15 11 52	RAOUL ISLAND
	E(PPP)	15 15 33	0 = 14 49 47
	E(SKS)	15 17 23	30° S, 178° W
	E(PS)	15 20 33	MAG 6¾-7 6¾
	E(PPS)	15 24 13	DEPTH ABOUT 100 KM
	E(SS)	15 27 20	DIST. 123° BERMUDA
	E	15 30 24	
	E	15 35 28	
	E	15 36 36	
	E(LR)	15 45 00	
	INTERPRETATION DOUBTFUL		
11	E(LR)	19 50 00	NEAR COAST OF LUZON, PHILIPPINE ISLANDS. MODERATE PROPERTY DAMAGE AT VIGAN. FELT THROUGHOUT NORTHERN AND CENTRAL LUZON. 0 = 18 49 24 18° N, 120½° E DIST. 129° BERMUDA
12	E(LR)	00 40 00	ANDREANOF ISLANDS, ALEUTIANS 0 = 23 53 57 52° N, 176° W DIST. 77° BERMUDA
12	E(LR)	09 23 00	NEAR SOUTH COAST OF HOKKAIDO, JAPAN. 0 = 08 28 34 41½° N, 142½° E DIST. 102° BERMUDA

DATE	PHASE	H M S	REMARKS
1957			
JUNE 13	iP	10 52 36	ANDREANOF ISLAND, ALEUTIANS
	COMP. FROM N.W.		0 = 10 40 38
	iPP	10 55 30	51½° N, 175° W
	iS	11 02 23	MAG 7
	eSS	11 07 16	DIST. 78° BERMUDA
	e(LQ)	11 11 30	
	e(LR)	11 17 00	
14	iP	06 36 18	ANDREANOF ISLANDS, ALEUTIANS
	i(P)	06 36 28	0 = 06 24 20
	iS	06 46 02	52° N, 175½° W
	E	06 49 02	MAG 6¼
	eSS	06 50 44	DIST. 77° BERMUDA
	eLQ	06 55 10	
	eLR	07 00 00	
15	E(PKP)	01 03 35	INDIAN OCEAN
	E(PP)	01 06 00	0 = 00 44 15
	E(PKS)	01 07 11	34° S, 56° E
	E(SKKS)	01 12 44	MAG 6 - 6¼
	E(PS)	01 16 12	DIST. 132° BERMUDA
	E(ScSPKP)	01 18 49	
	E(SS)	01 23 30	
	eLR	01 47 30	
15	eP	18 30 04	FOX ISLANDS, ALEUTIANS
	eS	18 39 35	0 = 18 18 20
	eSS	18 44 20	52° N, 171° W
	eLR	18 54 00	MAG 6
			DIST. 74° BERMUDA
16	E(LR)	12 34 00	
17	E	06 42 12	SAMOA ISLANDS REGION
	E	06 43 24	0 = 06 16 44
	E	06 46 07	15° S, 173½° W
	E	07 09 30	MAG 5¾
	E(LR)	07 13 30	DIST. 113° BERMUDA

DATE	PHASE	H M S	REMARKS
1957			
JUNE I8	E(PKP)	02 3I 37	GULF OF MARTABAN, BURMA
	E(PP)	02 33 48	0 = 02 I2 I2
	E(PKS)	02 34 56	I4½° N, 96° E
	E(ScSPKP)	02 46 34	DIST. I28° BERMUDA
	E(SS)	02 50 45	
	E(L)	03 I3 30	
	E(LR)	03 20 00	
I8	EPKP	I5 07 33	BURMA AFTERSHOCK
	EPP	I5 09 44	0 = I4 48 I7
	EPKS	I5 II 00	I4° N, 96° E
	EPS	I5 I9 44	DIST. I30° BERMUDA
	EPPS	I5 2I 4I	
	E(ScSPKP)	I5 22 46	
	ESS	I5 27 40	
	ELR	I5 50 00	
I8	E(PKP)	I8 I5 3I	LOYALTY ISLANDS REGION
	E(PKS)	I8 I8 52	0 = I7 56 03
	E(PPP)	I8 20 20	25° S, I70° E
	E(SKKS)	I8 23 52	MAG 6
	E(PPS)	I8 29 39	DIST. I32° BERMUDA
	E	I8 3I 04	
	E(SKKS)	I8 3I 42	
	E(SS)	I8 36 00	
	E	I8 37 52	
	E	I8 40 26	
	ELR	I8 57 00	
	INTERPRETATION DOUBTFUL		
I9	E(PP)	0I 50 03	TONGA ISLANDS
	E(SKS)	0I 55 39	0 = 0I 29 48
	E(SKKS)	0I 57 00	24° S, I75½° W
	E(PS)	02 00 00	MAG 6¼ - 6½
	E(SS)	02 06 20	DIST. I20° BERMUDA
	E(SKKKS)	02 I0 I5	
	E(SSS)	02 I5 I5	
	ELR	02 25 00	

DATE	PHASE	H M S	REMARKS
1957			
JUNE I9	EPP	08 22 02	FIJI ISLANDS
	EPP	08 22 29	0 = 08 0I 30
	EPPP	08 25 00	I6½° S, I76½° E
	EPS	08 32 II	MAG 6½ 6¾
	EPPS	08 33 29	DIST. I22° BERMUDA
	ESS	08 38 58	
	ELQ	08 53 00	
	ELR	08 57 00	
20	E(PP)	0I 26 5I	MARIANA ISLANDS
	E(PPP)	0I 30 24	0 = 0I 06 25
	E(SKS)	0I 32 04	20° N, I45½° E
	E(PS)	0I 36 29	DIST. I20° BERMUDA
	E(SKKKS)	0I 47 24	
	E(LQ)	0I 55 00	
	E(L)	02 02 00	
2I	E(LR)	I9 28 30	KURILE ISLANDS REGION
			0 = I8 38 03
			48° N, I55° E
			DIST. 9I° BERMUDA
22	IP	06 25 27	NEAR COAST OF CHAIPAS, MEXICO.
	COMP. FROM THE S.W.		FELT TEHUANTAPEC, SAN SALVADOR
	EPPP	06 27 2I	0 = 06 I9 06
	IS	06 30 46	I6° N, 94° W
	E(LQ)	06 32 00	MAG 6½
	ELR	06 34 30	DIST. 32° BERMUDA
22	EP	I9 27 39	MID ATLANTIC OCEAN
	IS	I9 32 I3	0 = I9 22 22
	ELR	I9 34 30	I6° N, 45½° W
	ET	I9 52 22	DIST. 24° BERMUDA
	ET MAX.	I9 52 44	
23	I(PKP)	00 I0 0I	NEAR NORTH COAST OF NEW GUINEA
	E	00 I2 23	0 = 23 50 23
	E	00 I3 50	I½° S, I37° E
	E	00 I4 37	MAG 7¼ 7-7¼
	E	00 I6 00	DIST. I42° BERMUDA
	E	00 I8 00	
	E	00 I9 30	
	E	00 25 55	
	E	00 27 05	
	E	00 3I 32	
	E(LR)	00 56 00	

DATE	PHASE	H M S	REMARKS
1957			
JUNE 23	E(P)	03 36 29	NEAR COAST OF SOUTH-EASTERN
	E(S)	03 44 29	ALASKA. FELT SITKA
	E(SS)	03 48 I6	0 = 03 27 02
	E(LQ)	03 53 40	58½° N, I37° W
	E(LR)	03 56 00	MAG 5½ - 5¾
			DIST. 54° BERMUDA
24	E(P)	09 56 07	MEXICO AFTERSHOCK
	E(S)	I0 0I 28	FELT TEHUANTAPEC
	E(LQ)	I0 02 I0	0 = 09 49 47
	E(LR)	I0 04 30	I6° N, 94° W
			DIST. 32° BERMUDA
26	E(L)	04 0I 00	
27	IP	00 22 39	NORTHEAST OF LAKE BAIKAL,
	IPP	00 26 24	USSR. DAMAGE AT CHITA
	EPPP	00 28 I9	0 = 00 09 28
	ES	00 33 43	56½° N, II6° E
	EPS	00 34 54	MAG 7½ 7½-7¾
	ESS	00 40 00	DIST. 92° BERMUDA
	E(SSS)	00 44 00	
	ELR	00 50 00	
28	E(L)	0I 40 00	LOYALTY ISLANDS
28	E	05 I9 26	FOX ISLANDS, ALEUTIANS
	E	05 24 I2	0 = 04 58 03
	E(L)	05 37 00	
29	IP	07 59 43	FOX ISLANDS REGION, ALEUTIANS
	EPPP	08 04 40	0 = 07 48 I8
	ES	08 09 07	5I½° N, I66° W
	ESS	08 I3 40	DIST. 73° BERMUDA
	ELQ	08 I7 50	
	E(LR)	08 25 00	

DATE	PHASE	H M S	REMARKS
1957			
JULY I	E	I9 5I I6	INDIA-BURMA BORDER
	E	I9 55 I5	0 = I9 30 I6
	E	I9 56 32	25° N, 94° E
	E	I9 57 48	DIST. II8° BERMUDA
	E	20 00 40	
	E	20 02 20	
	E	20 06 36	
2	IP	00 55 28	NORTHERN IRAN. APPROXIMATELY
	COMP. FROM N.E.		I500 DEAD AND EXTENSIVE
	IPP	00 58 52	PROPERTY DAMAGE THROUGHOUT
	IPPP	0I 0I 00	NORTHERN IRAN.
	IS	0I 06 00	0 = 00 42 23
	ESS	0I I2 47	36° N, 53° E
	ELQ	0I I9 25	MAG 7¼ - 7½
	ELR	0I 23 00	DIST. 90° BERMUDA
3	E(S)	02 II I6	NEAR SOUTH COAST OF
	E(L)	02 33 00	KAMCHATKA
			0 = 0I 47 40
			52° N, I59° E
			DIST. 92° BERMUDA
3	E(L)	09 37 00	NEAR COAST OF SOUTH-EASTERN
			ALASKA
			0 = 09 09 I4
			58° N, I37° W
			DIST. 55° BERMUDA
3	EP	I2 36 56	ANDREANOF ISLANDS, ALEUTIANS
	EPP	I2 39 56	0 = I2 24 37
	IS	I2 46 5I	50½° N, I79° W
	ESS	I2 52 02	MAG 6-6¼ 5¾
	ELQ	I2 57 00	DIST. 79° BERMUDA
4	E(L)	22 50 30	ARIZONA-MEXICO FORESHOCK
			0 = 22 25 I3
			32° N, II3° W
			DIST. 40° BERMUDA
4	E(L)	23 49 00	ARIZONA-MEXICO FORESHOCK
			0 = 23 27 I2
			3I° N, II4° W
			DIST. 4I° BERMUDA

DATE	PHASE	H M S	REMARKS
1957			
JULY 5	E(L)	01 19 00	ARIZONA-MEXICO BORDER 0 = 00 58 00 32° N, 114° W DIST. 41° BERMUDA
5	E(L)	13 32 00	KERMADEC ISLANDS 0 = 12 33 56 28½° S, 179° W DIST. 123° BERMUDA
5	E(L)	16 18 00	EASTERN BELGIAN CONGO 0 = 15 32 00
7	E(S) E(L)	06 21 22 06 38 00	TURKEY 0 = 05 58 50 39° N, 40° E DIST. 80° BERMUDA
7	E	07 48 10	
7	E(PP) E(PKS) E(PPS) E(SKKS) E(LR) INTERPRETATION DOUBTFUL	16 34 11 16 35 51 16 45 16 16 49 25 17 14 00	SOLOMON ISLANDS 0 = 16 11 15 6½° S, 156° E MAG 6¾ DIST. 133° BERMUDA
9	rPKP rPKS eLR	10 17 51 10 21 42 11 13 45	NEAR SOUTH COAST OF SUMATRA 0 = 09 58 09 6° S, 104° E DEPTH ABOUT 60 KM DIST. 152° BERMUDA
9	E(LR)	23 12 00	
10	E(LR)	05 22 00	FOX ISLANDS, ALEUTIANS 0 = 04 42 48 52½° N, 170° W DIST. 74° BERMUDA

DATE	PHASE	H M S	REMARKS
1957			
JULY 10	rP RARE FROM THE S.W. rPP rPcP rS eLR	09 10 24 09 11 05 09 13 18 09 15 00 09 18 00	NEAR COAST OF PANAMA 0 = 09 04 08 8° N, 82½° W MAG 6½-6¾ 6¾-7 DIST. 30° BERMUDA
12	E(L)	16 23 00	
12	E	17 54 00	
12	E(LR)	22 06 00	BISMARCK SEA 0 = 20 56 18 3° S, 148½° E DIST. 136° BERMUDA
13	E(S) E(PPS) E(SSS) eLR	01 20 37 01 21 18 01 29 28 01 35 00	FOX ISLANDS, ALEUTIANS 0 = 00 59 28 52° N, 169½° W DIST. 74° BERMUDA
13	E(LR)	10 25 00	SAMOA ISLANDS REGION 0 = 09 32 05 15° S, 173° W DIST. 113° BERMUDA
13	eLR	14 57 00	SAMOA ISLANDS REGION 0 = 13 58 45 14½ S, 173½W DIST. 114° BERMUDA
13	E(L) E(T)	20 15 00 20 30 04	
14	E(LR)	03 16 00	KURILE ISLANDS 0 = 02 26 54 46° N, 151½° E DIST. 95° BERMUDA

DATE	PHASE	H M S	REMARKS
1957			
JULY I4	iPKP	06 42 39	TONGA ISLANDS REGION
	iPP	06 44 20	0 = 06 23 50
	i	06 45 2I	27½° S, I77° W
	iSKS	06 49 25	MAG 7-7¼ 6¾
	iSKKS	06 50 48	DEPTH ABOUT 200 KM
	iPKKP	06 52 00	DIST. I22° BERMUDA
	iPPS	06 55 I4	
	iPKKS	06 56 30	
	iSS	07 00 42	
	iPKPPKP	07 02 30	
	e(SSS)	07 05 40	
	eLR	07 24 00	
I4	iPKP	08 29 5I	KERMADEC ISLANDS
	iPKP	08 30 II	0 = 08 I0 45
	iPP	08 3I 52	30° S, I77° W
	iPKS	08 33 00	MAG 6¾-7
	iSKS	08 36 55	DIST. I23° BERMUDA
	iPS	08 4I 45	
	iSS	08 48 40	
	eLR_1	09 08 00	
	eLR_2	I0 I4 00	
I7	E	06 39 56	NORTHERN CHILE
	e(LR)	06 44 00	0 = 05 I2 53
I7	i(PKP)	II 29 2I	SANTA CRUZ ISLANDS
	i(PP)	II 3I 27	0 = II I0 I0
	i(PKS)	II 32 44	II° S, I67° E
	i(PS)	II 4I 35	MAG 6¼-6½ 6¾
	i(PPS)	II 44 09	DIST. I20° BERMUDA
	e(SS)	II 49 II	
	e(SSS)	II 53 30	
	eLR	I2 I0 00	
I7	e(S)	I8 58 08	MID ATLANTIC OCEAN
	e(LQ)	I9 04 30	0 = I8 39 58
			I° S, I3° W
			DIST. 64° BERMUDA
I8	e(L)	0I 55 00	FOX ISLANDS, ALEUTIANS
	e(LR)	0I 59 00	0 = 0I I9 52
			53° N, I70° W
			DIST. 73° BERMUDA

DATE	PHASE	H M S	REMARKS
1957			
JULY I8	E	I2 32 00	SOUTH OF HONSHU, JAPAN
			0 = I2 06 39
			30° N, I39° E
			DEPTH ABOUT 400 KM
			DIST. II3° BERMUDA
I8	e(L)	I9 5I 00	
I9	e(LR)	I4 0I 00	NEAR NORTH COAST OF FORMOSA. FELT TAIPEH
			0 = I3 02 05
			25° N, I22½° E
			DIST. I22° BERMUDA
I9	e(LR)	22 50 00	NORTHERN NEW GUINEA. FELT LUMI AND AITAPE
			0 = 2I 36 46
			3½° S, I42° E
			DIST. I4I° BERMUDA
20	e(LR)	I0 49 00	
2I	iP	06 I0 22	NEAR COAST OF GUATEMALA
	eS	06 I5 I2	0 = 06 04 II
	eLR	06 I8 52	I4½° N, 92° W
			MAG 5¾ - 6
			DEPTH ABOUT I00 KM
			DIST. 3I° BERMUDA
2I	E	20 46 30	KERMADEC ISLANDS REGION
			0 = I9 37 I0
			28° S, I75° W
			DEPTH ABOUT I50 KM
			DIST. I20° BERMUDA
22	E	06 38 06	KERMADEC ISLANDS REGION
			0 = 06 I6 52
			33½° S, I78° W
			DIST. I25° BERMUDA

DATE 1957	PHASE	H M S	REMARKS
JULY 22	E(LR)	07 I5 00	KERMADEC ISLANDS AFTERSHOCK O = 06 2I 50 34° S, I77½° W DIST. I25° BERMUDA
22	E(L)	I4 37 00	FOX ISLANDS, ALEUTIANS O = I3 57 4I 53° N, I67° W DIST. 7I° BERMUDA
23	iP	00 57 II	ANDREANOF ISLANDS, ALEUTIANS
	i	00 58 47	O = 00 45 I2
	EPP	0I 00 I8	52° N, I77° W
	EPPP	0I 0I 43	MAG 6¼
	iS	0I 07 03	DIST. 78° BERMUDA
	ESS	0I I2 47	
	ELR	0I 22 00	
24	iP	02 07 56	CENTRAL CHILE-ARGENTINA BORDER
	EPPP	02 I2 00	SLIGHTLY DEEPER THAN NORMAL
	iS	02 I6 I6	O = 0I 57 25
	ESS	02 2I 07	30° S, 70½° W
	E(SSS)	02 27 20	MAG 6½
	ELR	02 3I 00	DIST. 63° BERMUDA
24	i(P)	I0 57 34	SANTIAGO DEL ESTERO PROVINCE,
	E(S)	II 05 28	ARGENTINA. FELT: ANTOFAGASTA, CHILE O = I0 47 25 27° S, 65° W DIST. 60° BERMUDA
24	E(PP)	II 24 00	NEW HEBRIDES ISLANDS
	E(PKS)	II 25 07	O = II 02 30
	E(LR)	I2 06 00	20° S, I69° E MAG 6½ DIST. I3I° BERMUDA

DATE 1957	PHASE	H M S	REMARKS
JULY 25	iP	07 54 30	ANDREANOF ISLANDS, ALEUTIANS
	iS	08 04 23	O = 07 42 25
	ESS	08 09 I2	5I° N, I77° W
	ELR	08 I9 00	MAG 6¼ DIST. 78° BERMUDA
26	E(LR)	07 55 00	OFF NORTH COAST OF NORTH ISLAND, NEW ZEALAND O = 06 49 42 35° S, I80° DIST. I26° BERMUDA
27	E(LR)	I5 50 00	TONGA ISLANDS O = I4 45 28 20° S, I74½° W DIST. II6° BERMUDA
27	E(L)	I9 55 00	NEW BRITAIN REGION O = I8 43 0I 6½° S, I5I½° E DIST. I38° BERMUDA
27	E(LR)	2I 48 00	ANDREANOF ISLANDS, ALEUTIANS O = 20 59 2I 5I½° N, I80° DIST. 79° BERMUDA
28	iP	08 46 57	GUERRERO, MEXICO. 66 DEAD, MANY INJURED. HEAVY PROPERTY DAMAGE IN MEXICO CITY AND ACAPULCO O = 08 40 04 I7° N, 99° W MAG 7½ 7½-7½ DIST. 35° BERMUDA

DATE 1957	PHASE	H M S	REMARKS
JULY 28	eLR	I3 50 00	MEXICO AFTERSHOCK O = I3 34 20 I7½° N, 99° W DIST. 35° BERMUDA
29	e(P)	00 I8 I6	MEXICO AFTERSHOCK
	e(S)	00 24 05	O = 00 II 20
	eLR	00 28 00	I7° N, 99° W DIST. 35° BERMUDA
29	iP	I7 25 00	NEAR COAST OF CHILE
	COMP. FROM THE S.W.		FELT: ANTOFAGASTA
	iPP	I7 27 I2	O = I7 I5 I4
	iPPP	I7 28 24	23½° S, 7I½° W
	iS	I7 32 4I	MAG 7-7¼ 6¾
	iSS	I7 36 30	DIST. 57° BERMUDA
	iSSS	I7 39 06	
	eLR	I7 43 00	
AUG. I	e(S)	22 26 04	NEAR COAST OF MEXICO
	e	22 28 04	O = 22 I3 40
	e(LR)	22 3I 00	I6° N, 97° W DIST. 34° BERMUDA

DATE 1957	PHASE	H M S	REMARKS
AUG. 3	e	09 25 I0	KERMADEC ISLANDS REGION
	e(L)	09 30 00	O = 08 I5 45 28° S, I76½° W DIST. I22° BERMUDA
4	i(PP)	0I 0I 38	NEAR NORTH COAST OF NEW GUINEA
	e(SKKS)	0I 08 26	O = 00 39 I2
	e(PPS)	0I I3 II	3½° S, I45° E
	e	0I I8 28	DIST. I40° BERMUDA
	e(SS)	0I 20 00	
	eLR	0I 43 00	
4	iP	06 I3 35	MEXICO AFTERSHOCK
	iS	06 I9 32	O = 06 06 36
	e(LQ)	06 22 05	I7° N, I00° W
	eLR	06 23 00	MAG 6¼ DIST. 35° BERMUDA
4	e(P)	II 35 26	MEXICO AFTERSHOCK
	e(S)	II 4I 20	O = II 28 24
	e(LQ)	II 43 4I	I7° N, 99½° W
	e(L)	II 46 00	DIST. 35° BERMUDA
4	i(P)	I4 23 I8	MEXICO AFTERSHOCK
	e(PPP)	I4 25 24	O = I4 I6 I8
	e(S)	I4 28 44	I7° N, 99½° W
	i	I4 29 I0	MAG 6¼
	e(SS)	I4 3I 39	DIST. 35° BERMUDA
	e(LR)	I4 33 30	
4	e	2I 37 I7	PRINCE EDWARD ISLAND REGION
	e	2I 4I 32	O = 2I 08 5I
	e	2I 45 25	45° S, 35° E
	e	2I 49 48	DIST. II8° BERMUDA
	e	2I 53 25	
	e	2I 58 46	
	eLR	22 04 00	
5	e(L)	05 30 00	TONGA ISLANDS O = 04 29 27 24½° S, I76° W DIST. I20° BERMUDA

DATE	PHASE	H M S	REMARKS
1957			
AUG 5	E	13 58 00	
5	E	17 47 06	NEAR COAST OF OAXOCA, MEXICO
	E(LR)	17 50 00	DEPTH ABOUT 100 KM
			O = 17 34 54
7	E	04 25 00	
8	E	04 54 04	REVILLA GIGEDO ISLANDS
	E	04 58 36	O = 04 44 20
	E(LR)	05 03 00	
8	E	19 46 36	
8	E(S)	22 52 16	ASCENSION ISLAND REGION
	E	22 56 23	O = 22 33 05
	E(L)	22 59 00	7° S, 13° W
			DIST. 64° BERMUDA
9	E	02 50 34	NEW GUINEA
	E	02 52 47	O = 02 29 20
	E	02 55 10	2° S, 137° E
	E	02 59 10	DIST. 143° BERMUDA
	E	03 01 04	
	E	03 02 31	
	E	03 04 11	
	E	03 06 11	
	E	03 11 00	
	E	03 40 30	
	ELR	03 43 00	
9	E(L)	19 10 00	
10	E	03 35 12	FIJI ISLANDS REGION
			O = 02 18 38
			21½° S, 179½° W
			DEPTH ABOUT 600 KM
			DIST. 122° BERMUDA

DATE	PHASE	H M S	REMARKS
1957			
AUG. 10	E	04 22 36	TONGA ISLANDS
	E	04 24 30	O = 03 55 46
	E(L)	04 55 00	17° S, 172° W
			DIST. 113° BERMUDA
10	E	07 11 16	
	E(T)	07 31 32	
10	E(L)	21 57 00	
11	E	05 27 20	NORTH ISLAND, NEW ZEALAND
			O = 05 12 40
			38½° S, 177° E
			DIST. 130° BERMUDA
11	E(PP)	21 59 44	NEW HEBRIDES ISLANDS
	E	22 01 12	O = 21 38 05
	E	22 07 38	17½° S, 169° E
	E	22 11 27	MAG 6¾
	E	22 15 26	DIST. 130° BERMUDA
	E	22 17 28	
	E	22 23 00	
	ELR	22 38 00	
12	E	08 44 00	NEAR EAST COAST OF KAMCHATKA
			O = 07 58 05
			52½° N, 160½° E
			DIST. 93° BERMUDA
15	EP	08 38 52	NEAR NORTH COAST OF PANAMA
	ES	08 43 39	FELT ISTHMUS OF PANAMA
	ELR	08 45 30	O = 08 32 56
			10° N, 80° W
			DIST. 26° BERMUDA
15	E(LR)	18 01 00	

DATE	PHASE	H M S	REMARKS
1957			
AUG. I5	E(PP)	2I 06 35	SOLOMON ISLANDS REGION
	E(PPP)	2I 09 I2	0 = 20 45 20
	E	2I I2 22	4½° S, I55° E
	E	2I I5 36	DEPTH ABOUT 550 KM
	E	2I I7 28	DIST. I33° BERMUDA
	E(SS)	2I 23 I5	
	ELR	2I 52 00	
	INTERPRETATION DOUBTFUL		
I6	E(PP)	03 48 25	NEW BRITAIN REGION
	E(PS)	04 00 02	FELT: RABAUL, NAMATANAI,
	E(SS)	04 06 I2	LONDOLOVIT AND KAROOLA
	ELR	04 28 30	0 = 03 26 05
			5° S, I54° E
			DIST. I34° BERMUDA
I6	E(PP)	I2 I9 48	NEW BRITAIN REGION
	E(SKS)	I2 23 40	FELT: RABAUL, NAMATANAI,
	E(SKKS)	I2 26 04	LONDOLOVIT AND KAROOLA
	E(PPS)	I2 30 44	0 = II 57 I6
	E(SS)	I2 37 I9	5° S, I55° E
	ELR	I2 59 00	DIST. I33° BERMUDA
	INTERPRETATION DOUBTFUL		
I6	E(LR)	I9 06 00	
I6	IP	23 39 54	PACIFIC OCEAN
	IPP	23 4I 29	0 = 23 3I 55
	I	23 44 I3	I0½° N, I04° W
	IS	23 46 I4	MAG 6½-6¾
	ISS	23 49 I2	DIST. 42° BERMUDA
	ELR	23 5I 00	
I8	E(LR)	07 35 00	SOUTH PACIFIC OCEAN
			0 = 06 34 25
I8	E	08 59 3I	PHILIPPINE ISLANDS
	E	09 04 06	0 = 08 36 57
	E	09 08 35	I2° N, I24° E
	E	09 09 II	DIST. I35° BERMUDA
	E	09 I2 I8	
	E	09 I3 06	
	E	09 I7 I6	
	E	09 2I 20	
	E(L)	09 32 00	
	ELR	09 37 00	

DATE	PHASE	H M S	REMARKS
1957			
AUG. I8	E(P)	2I I7 55	MEXICO AFTERSHOCK
	E(S)	2I 23 00	0 - 2I I0 42
	E(LQ)	2I 25 30	I6½° N, 99° W
	ELR	2I 27 00	DIST. 34° BERMUDA
I8	EP	2I 55 36	NORTHERN KURILE ISLANDS
	IPP	2I 59 I0	0 = 2I 42 30
	IS	22 06 28	50° N, I57° E
	ESS	22 I2 20	MAG 6½
	E(SSS)	22 I5 25	DIST. 90° BERMUDA
	E(SSSS)	22 I9 00	
	ELR	22 23 00	
I9	E(PP)	II 56 22	SOLOMAN ISLANDS FORESHOCK
	E(PKS)	II 57 25	0 = II 34 36
	E(PPS)	I2 08 20	I0° S, I6I° E
	E	I2 I9 I0	MAG 6½
	EL	I2 36 00	DIST. I32° BERMUDA
	ELR	I2 47 00	
I9	EP	2I 43 37	FOX ISLANDS, ALEUTIANS
	EPP	2I 46 30	0 = 2I 3I 55
	ES	2I 53 I5	5I½° N, I7I° W
	E(L)	22 09 00	DIST. 74° BERMUDA
	E(LR)	22 I3 00	
20	EPP	06 48 48	SOLOMON ISLANDS FORESHOCK
	EPKS	06 49 56	0 = 06 27 07
	EPPP	06 5I 09	I0° S, I6I° E
	ESKKS	06 55 50	MAG 6-6¼
	E	06 57 48	DIST. I32° BERMUDA
	EPPS	07 00 50	
	E	07 02 00	
	ESS	07 06 3I	
	ELR	07 28 00	
20	EPKP	I2 2I I8	SOLOMON ISLANDS
	EPP	I2 23 36	0 = I2 0I 54
	EPKS	I2 24 42	I0° S, I6I° E
	E(SKS)	I2 29 28	MAG 6¼-6¾
	EPS	I2 33 34	DIST. I32° BERMUDA
	EPPS	I2 35 35	
	E(ScSPKP)	I2 36 50	
	E	I2 46 46	
	ELR	I3 02 00	

DATE	PHASE	H M S	REMARKS
1957			
AUG. 21	E	20 09 00	FOX ISLANDS, ALEUTIANS
			O = 19 31 08
			51½° N, 171° W
			DIST. 74° BERMUDA
22	I(PKP)	08 14 48	MOLUCCA PASSAGE
	E(LR)	09 15 00	O = 07 55 06
			1° N, 126° E
			DIST. 144° BERMUDA
23	E(PKP)	02 19 56	NEW BRITAIN AFTERSHOCK. FELT:
	E(PP)	02 22 25	RABAUL, KOKOPO, NAMATANAI,
	E(PPP)	02 25 47	SOHANO, LONDOLOVIT AND AROPA
	E(SKKS)	02 28 52	O = 02 00 05
	E	02 32 00	6° S, 154½° E
	EPPS	02 34 00	MAG 6½
	E	02 35 15	DIST. 135° BERMUDA
	E(SS)	02 39 44	
	E(LQ)	02 58 20	
	ELR	03 02 00	
	INTERPRETATION DOUBTFUL		
23	E(LR)	21 16 00	
24	E(LR)	00 21 00	
26	IP	11 37 56	SOUTHERN BOLIVIA
	COMP. FROM THE S.		O = 11 28 50
	IPP	11 39 50	19° S, 63° W
	EPcS	11 43 24	MAG 6½ - 6½
	IS	11 45 14	DIST. 52° BERMUDA
	I	11 46 52	
	IScS	11 47 44	
	ESS	11 49 00	
	ESSS	11 51 39	
	ELR	11 54 00	
26	IP	14 06 03	NEAR COAST OF ECUADOR
	IPP	14 07 21	FELT: WESTERN ECUADOR
	E	14 10 54	O = 13 58 48
	IS	14 11 58	2° S, 81° W
	E(LQ)	14 14 36	MAG 6
	ELR	14 16 00	DIST. 39° BERMUDA

DATE	PHASE	H M S	REMARKS
1957			
AUG. 26	E(PP)	20 15 40	SOLOMON ISLANDS REGION
	E(PPS)	20 27 22	FELT: RABAUL AND LONDOLOVIT
	ELR	20 56 00	O = 19 53 33
			5½° S, 154° E
			DEPTH ABOUT 100 KM
			DIST. 135° BERMUDA
28	E	08 49 29	KERMADEC ISLANDS REGION
	E	08 56 25	O = 08 19 10
	E(LR)	09 20 00	28½° S, 175° W
			DIST. 120° BERMUDA
28	E	23 45 28	MARIANA ISLANDS
	E	23 47 12	O = 23 22 21
	E	23 52 32	21° N, 145° E
	E(LQ)	00 17 00	DIST. 120° BERMUDA
	E(LR)	00 26 00	
30	ELR	17 07 00	TADSHIK, USSR
			O = 16 17 56
			39° N, 73° E
			DIST. 98° BERMUDA
30	E(LR)	21 14 00	BATAN ISLANDS REGION
			O = 20 04 01
			20½° N, 121½° E
			DIST. 127° BERMUDA
31	E(LR)	12 57 00	OUTER MONGOLIA
			O = 12 01 06
			49° N, 100° E
			DIST. 97° BERMUDA
SEPT. 2	E(PP)	00 20 20	MARIANA ISLANDS
	E(SKS)	00 25 48	O = 23 59 54
	E(PS)	00 30 17	18° N, 147½° E
	ELR	01 01 00	DIST. 120° BERMUDA
2	E(L)	06 37 00	NEW HEBRIDES

DATE	PHASE	H M S	REMARKS
1957			
SEPT 2	ePP	10 06 00	SAMOA ISLANDS
	eSKS	10 11 36	0 = 09 46 30
	eSKKS	10 13 09	15° S, 173½° W
	ePS	10 15 30	MAG 6-6¼
	ePPS	10 16 48	DIST. 114° BERMUDA
	eSS	10 22 20	
	E	10 25 52	
	E	10 39 28	
	eLR	10 44 00	
2	iP	14 31 43	FOX ISLANDS, ALEUTIANS
	iS	14 41 07	0 = 14 20 13
	eSS	14 46 00	51½° N, 168° W
	E(LQ)	14 57 48	DIST. 73° BERMUDA
	eLR	15 03 00	
2	E	21 52 54	HINDU KUSH
	E	21 55 20	0 = 21 37 36
			37° N, 71° E
			DEPTH ABOUT 200 KM
			DIST. 99° BERMUDA
3	E(LQ)	07 09 00	SANTA CRUZ ISLANDS
	E(LR)	07 15 00	0 = 06 06 42
			12° S, 167° E
			DIST. 129° BERMUDA
3	E(LQ)	17 03 00	OFF COAST OF OREGON, U.S.A.
	E(LR)	17 07 00	
4	eL	02 32 00	SANTA CRUZ ISLANDS
			0 = 01 31 23
			12° S, 167½° E
			DIST. 128° BERMUDA
4	E	05 19 00	SOUTH INDIAN OCEAN ABOUT
	E(L)	05 45 00	1000 MILES NORTHEAST OF
			KERGUELEN ISLANDS
			0 = 04 33 51
4	E(L)	20 41 00	FOX ISLANDS, ALEUTIANS

DATE	PHASE	H M S	REMARKS
1957			
SEPT. 4	E	22 41 40	
	E	22 47 25	
	E(L)	23 04 00	
5	E(P)	04 09 28	PROBABLY ATLANTIC OCEAN
	E(S)	04 12 39	
	E(LR)	04 13 00	
	E(T)	04 27 34	
	E(T) MAX	04 28 47	
5	E(L)	08 17 00	NEAR EAST COAST OF KAMCHATKA
			0 = 07 25 19
			53½° N, 160½° E
			DIST. 93° BERMUDA
5	E(P)	08 39 12	PROBABLY ATLANTIC OCEAN
	E(S)	08 41 16	
	E(LR)	08 42 00	
	E(T)	08 52 12	
	E(T) MAX	08 53 40	
6	eP	00 27 00	CHILE-BOLIVIA BORDER
	ePP	00 27 35	0 = 00 17 55
	eS	00 34 16	20° S, 68° W
	eScS	00 36 36	DEPTH ABOUT 100 KM
	eSS	00 37 47	DIST. 53° BERMUDA
	E(LQ)	00 39 25	
6	eP	05 06 44	ANDREANOF ISLANDS, ALEUTIANS
	eS	05 16 40	0 = 04 54 37
	eSS	05 21 40	51° N, 177° W
	E(LQ)	05 27 40	DIST. 78° BERMUDA
	E	05 33 30	
	E	05 38 00	
	eLR	05 41 00	

DATE	PHASE	H M S	REMARKS
1957			
SEPT. 9	E(PKP)	00 33 38	SOUTH INDIAN OCEAN
	E(PP)	00 38 00	0 = 00 I3 30
	E(SKS)	00 40 I5	48° S, I00° E
	E(SKKKS)	00 4I 47	DIST. I6I° BERMUDA
	E(ScSPKP)	00 45 4I	
	E(PPS)	00 49 I6	
	E(SS)	00 5I I8	
	E(SSS)	00 56 I6	
	E	0I 04 40	
	E	0I 08 28	
	E	0I 09 37	
	ELR	0I 25 00	
9	E(PKP)	09 20 28	FIJI ISLANDS REGION
	E(PP)	09 2I 25	0 = 09 00 33
	E(PS)	09 30 I9	I5° S, I76½° W
	E(PPS)	09 3I 38	DIST. II5° BERMUDA
	ESS	09 36 40	
	ELR	09 54 00	
	INTERPRETATION DOUBTFUL		
I2	IP	00 33 24	ABOUT I00 MILES NORTH OF HONDURAS. FELT: HAVANA, CUBA
	ELR	00 37 40	0 = 00 28 02
			I7½° N, 85° W
			DIST. 24° BERMUDA
I4	IP	I7 I4 02	NEAR COAST OF ECUADOR
	IPP	I7 I5 24	0 = I7 06 49
	IS	I7 I9 56	I½° S, 80½° W
	ESS	I7 22 40	DIST. 38° BERMUDA
	ESCS	I7 24 I2	
	E(L)	I7 26 00	
	ELR	I7 29 00	
I5	E	04 4I 55	NEAR NORTH COAST OF JAVA
	E	04 45 48	0 = 04 22 34
	E	04 47 20	5½° S, I08° E
	E	04 49 I5	DEPTH ABOUT 300 KM
	E	04 50 26	DIST. I54° BERMUDA
I5	E(LR)	I9 44 00	SOLOMON ISLANDS. FELT: RABAUL AND KAROOLA
			0 = I8 42 20
			6° S, I53½° E
			DEPTH ABOUT I50 KM
			DIST. I36° BERMUDA

DATE	PHASE	H M S	REMARKS
1957			
SEPT. I5	E(P)	2I 29 24	PROBABLY ATLANTIC OCEAN
	E(T)	2I 43 32	
	E(T MAX.)	2I 44 05	
I8	E(LQ)	I8 53 00	FOX ISLANDS, ALEUTIANS
			0 = I8 I5 I0
			52½° N, I68° W
			DIST. 73° BERMUDA
I9	ELR	I7 57 00	SVALBARD REGION
			0 = I7 20 02
			79½° N, 3° E
			DIST. 55° BERMUDA
24	IPKP	08 40 38	NEAR SOUTH COAST OF MINDANAO, PHILIPPINE ISLANDS. FELT: KOROR
	IPP	08 43 40	
	IPPP	08 46 48	
	E(PcSPKP)	08 52 28	0 = 08 2I 05
	IPPS	08 55 40	5½° N, I27½° E
	ISS	09 0I 20	MAG 7¾
	ELR_1	09 2I 00	DIST. I40° BERMUDA
	ELR_2	09 52 00	
25	E	05 59 50	NEAR AZORES ISLANDS
			0 = 05 50 56
			34° N, 38½° W
			MAG 6¼ - 6½
			DIST. 23° BERMUDA
26	E(L)	08 I9 00	NEAR COAST OF CHIAPAS, MEXICO
			0 = 08 03 50
26	E(L)	I3 50 00	GUATEMALA-MEXICO BORDER
			0 = I3 35 22
			I5° N, 92½° W
			DEPTH ABOUT I50 KM
			DIST. 3I° BERMUDA
26	ELR	I9 56 00	MINDANAO AFTERSHOCK
			0 = I8 46 4I
			6° N, I26½° E
			DIST. I40° BERMUDA
27	I	04 28 I9	SPICE ISLANDS
	E	04 30 39	0 = 04 08 23
	E	04 34 20	I° S, I27° E
	E	04 38 32	DIST. I46° BERMUDA
	E	04 4I 48	
	E	04 45 53	
	E	04 48 07	
	E	04 50 32	
	ELR	05 I5 00	

DATE	PHASE	H M S	REMARKS
1957			
SEPT. 27	eLR	07 I6 00	SPICE ISLANDS AFTERSHOCK O = 05 56 50 I° S, I27° E DIST. I46° BERMUDA
27	eLR	II 55 00	FOX ISLANDS, ALEUTIANS O = II I6 52 52½° N, I69° W DIST. 73° BERMUDA
28	e(PP)	00 46 20	OFF SOUTH COAST OF HONSHU, JAPAN
	e(PPP)	00 48 38	O = 00 27 3I
	e(SKKS)	00 53 20	30½° N, I37½° E
	e(PS)	00 55 II	MAG 6¾
	e(PPS)	00 56 30	DEPTH ABOUT 500 KM
	E	00 58 20	DIST. II3° BERMUDA
	e(SS)	0I 0I 34	
28	eLR	05 28 00	NEAR NORTH COAST OF NEW GUINEA O = 04 II 23 3° S, I35½° E DIST. I45° BERMUDA
28	i(P)	I4 36 32	FIJI ISLANDS
	E	I4 37 52	O = I4 20 00
	I	I4 39 24	20½° S, I78° W
	I	I4 4I 2I	MAG 7½ 7-7¼
	I	I4 43 57	DEPTH ABOUT 650 KM
	I	I4 45 22	DIST. I20° BERMUDA
	I	I4 48 00	
	I	I4 49 26	
	E	I4 5I 00	
29	eLR	03 I0 00	SOUTH PACIFIC OCEAN O = 02 08 55 64½° S, I72½° W DIST. I25° BERMUDA

DATE	PHASE	H M S	REMARKS
1957			
SEPT. 29	E	08 33 23	SOUTH OF FIJI ISLANDS
	E	08 34 40	O = 08 I2 22
	E	08 36 I6	25° S, I78½° W
	E	08 37 34	MAG 6¼
	E	08 39 I8	DEPTH ABOUT 600 KM
	E	08 43 20	DIST. I22° BERMUDA
	E	08 45 09	
	E	08 46 I0	
	E	08 49 40	
	E	08 52 24	
29	e(LR)	I8 50 00	
30	e(LR)	II 2I 00	SOUTH OF HONSHU, JAPAN O = II 02 36 29½° N, I40° E DIST. II3° BERMUDA
OCT. I	e(P)	23 II 22	PROBABLY ATLANTIC OCEAN
	e(S)	23 I3 46	
	eLR	23 I4 00	
	E T	23 26 08	
2	iP	I2 32 52	VENEZUELA FORESHOCK
	RARE FROM THE S.		FELT: TRINIDAD
	I	I2 35 I0	O = I2 27 55
	iS	I2 36 46	II° N, 63° W
	eLR	I2 38 00	MAG 6½-6¾
	e(T)	I2 47 00	DIST. 22° BERMUDA
2	eLR	2I 30 00	CHAGOS ISLANDS O = 20 58 39 6½° S, 69½° E DIST. I30° BERMUDA
3	i(PKP)	06 I8 02	NEW GUINEA O = 05 58 I2 4° S, I34° E DIST. I46° BERMUDA

DATE	PHASE	H M S	REMARKS
1957			
Oct. 3	iP	06 44 II	VENEZUELA AFTERSHOCK
	iS	06 48 I2	0 = 06 39 08
	eLR	06 49 00	IO½° N, 62½° W
			DIST. 2I° BERMUDA
4	iP	00 25 42	MID-ATLANTIC OCEAN
	eS	00 29 28	0 = 00 2I 07
	eLR	00 30 00	30½° N, 42° W
			DIST. 20° BERMUDA
4	iP	05 30 56	NEAR COAST OF VENEZUELA
	RARE FROM THE SSW		0 = 05 26 09
	iS	05 34 57	II° N, 63° W
	e(LR)	05 36 00	MAG 7 6¾
			DEPTH ABOUT 600 KM
			DIST. 2I° BERMUDA
4	e	20 5I 06	
	e	20 54 00	
	e	20 58 00	
	eLR	20 59 00	
5	eS	00 I7 44	RAT ISLAND, ALEUTIANS
	eSS	00 22 5I	0 = 23 55 45
	eLQ	00 28 30	53° N, I78° E
	eLR	00 33 00	DIST. 79° BERMUDA
5	e	08 27 00	
5	e(LR)	I6 I5 00	CRETE AFTERSHOCK
			0 = I5 5I 48
			34½° N, 27° E
			DIST. 74° BERMUDA
5	e(LR)	23 32 00	AFGHANISTAN-TADZHIK BORDER
			0 = 22 40 44
			38° N, 69½° E
			DIST. 98° BERMUDA

DATE	PHASE	H M S	REMARKS
1957			
Oct. 6	iP	00 59 09	VENEZUELA AFTERSHOCK
	iS	0I 03 02	0 = 00 54 05
	eLR	0I 04 00	II° N, 62½° W
			DIST. 23° BERMUDA
7	e(L)	05 46 00	UNIMAK ISLAND REGION
			0 = 05 I0 I7
			53½° N, I65° W
			DIST. 70° BERMUDA
8	e	I2 I4 00	
	eL	I2 I8 00	
9	eLR	05 34 00	
I0	e(S)	02 04 03	FOX ISLANDS, ALEUTIANS
	e	02 I2 20	0 = 0I 43 00
	eLR	02 20 00	52½° N, I69½° W
			DIST. 74° BERMUDA
I0	eLR	08 2I 00	ANDREANOF ISLANDS, ALEUTIANS
			0 = 07 38 I8
			52° N, I74° W
			DIST. 76° BERMUDA
I0	eLR	I5 26 00	NEW GUINEA
I0	eP	I9 05 I6	FOX ISLANDS, ALEUTIANS
	eS	I9 I4 26	0 = I8 53 59
	e(SS)	I9 I8 44	54° N, I66° W
	e(LQ)	I9 22 20	MAG 5¾
	eLR	I9 28 00	DIST. 7I° BERMUDA
I2	eLR	I7 34 00	SANDWICH ISLANDS REGION
			0 = I6 46 30

DATE	PHASE	H M S	REMARKS
1957			
Oct. I2	i(PKP)	I9 I7 03	NEAR SOUTH COAST OF JAVA
	i(PP)	I9 2I 07	0 = I8 57 02
	e(PPP)	I9 24 39	8° S, III° E
	e	I9 26 33	DIST. I55° BERMUDA
	e(SKKS)	I9 28 I7	
	e(SKSP)	I9 3I 24	
	e(PPS)	I9 34 20	
	e(SKSP)	I9 36 08	
	eLR	20 I2 00	
I2	eLR	23 09 00	NORTHEAST OF NEW GUINEA
I3	i(P)	04 32 08	OFF SOUTHEAST COAST OF
	i(S)	04 42 43	KAMCHATKA
	e(SS)	04 48 20	0 = 04 I9 I7
	e(SSS)	04 54 20	52½° N, I60° E
	e(LQ)	04 57 30	DIST. 92° BERMUDA
	eLR	05 0I 00	
I3	iPKP	20 52 44	ANTARCTIC OCEAN, SOUTHWEST OF
	iPP	20 56 00	MACQUARIE ISLAND
	iSKKS	2I 02 57	0 = 20 33 0I
	e	2I 09 56	60° S, I5I° E
	e(SS)	2I I5 34	DIST. I43° BERMUDA
	e	2I I8 47	
	e	2I 35 32	
	eLR	2I 40 00	
I4	eLR	I7 58 00	GUERRERO, MEXICO
I5	e	04 I3 00	NEAR SOUTH COAST OF COSTA RICA
	e	04 I4 56	0 = 04 02 07
	eLR	04 I7 00	9° N, 84° W
			DIST. 29° BERMUDA
I7	eLR	I4 44 00	NORTH ATLANTIC FORESHOCK
			0 = I4 29 I8
			46° N, 27° W
			DIST. 32° BERMUDA

DATE	PHASE	H M S	REMARKS
1957			
Oct. I7	eLR	I7 5I 00	NORTH ATLANTIC AFTERSHOCK
			0 = I7 36 25
			46° N, 27½° W
			DIST. 32° BERMUDA
I7	eLR	2I I7 00	PROBABLY NORTH ATLANTIC OCEAN
I9	iPP	I8 49 35	NEAR EAST COAST OF FORMOSA.
	ePKS	I8 5I I5	SEVERAL KILLED AT HOTAI AND
	eSKKS	I8 56 30	SLIGHT DAMAGE AT TAIPEI
	e(PKKP)	I8 57 34	0 = I8 28 50
	e(PKKS)	I9 02 26	23½° N, I22° E
	eScSPKP	I9 03 38	MAG 6½ - 6¾
	eSS	I9 06 26	DIST. I24° BERMUDA
	e	I9 09 49	
	e	I9 II 00	
	eLQ	I9 I9 25	
	eLR	I9 25 00	
20	iP	I2 I0 40	ATLANTIC OCEAN
	iPP	I2 II 39	0 = I2 04 22
	i	I2 I4 56	II½° N, 42° W
	iS	I2 I5 38	DIST. 30° BERMUDA
	eSS	I2 I7 00	
	eLR	I2 I8 00	
	eT	I2 52 I5	
	eT MAX.	I2 55 46	
20	eLR	I8 28 00	
20	eLR	I9 28 00	
20	e	2I 05 00	
	eL	2I I2 00	
20	eL	2I 44 00	

DATE	PHASE	H M S	REMARKS
1957			
Oct. 21	E	00 36 00	SANTA CRUZ ISLANDS
	ELR	01 17 00	0 = 00 17 25
			11° S, 167° E
			DEPTH ABOUT 100 KM
			DIST. 128° BERMUDA
21	EL	14 35 00	NORTH ATLANTIC OCEAN
			0 = 14 25 46
			34° N, 38° W
			DIST. 22° BERMUDA
21	EL	22 56 30	
22	EL	06 26	
23	EP	04 41 43	PUERTO RICO, FELT
	ES	04 43 52	0 = 04 38 30
	ELQ	04 44 40	19° N, 64° W
	ELR	04 45 00	DIST. 14° BERMUDA
	ET	04 55 12	
	ET MAX.	04 55 42	
23	IP	06 08 27	FOX ISLANDS, ALEUTIANS
	E(PPP)	06 13 00	0 = 05 56 52
	IS	06 17 51	52½° N, 169½° W
	ISS	06 22 33	MAG 6¼
	ELR	06 32 00	DIST. 73° BERMUDA
24	IPP	00 39 00	NEW HEBRIDES ISLANDS
	IPKS	00 40 13	0 = 00 17 37
	IPS	00 49 20	14½° S, 167½° E
	IScSPKP	00 51 49	MAG 6½
	ESS	00 56 34	DIST. 130° BERMUDA
	ELR_1	01 15 00	
	ELR_2	02 10 00	
24	E	20 25 44	LA RIOJA PROVINCE, ARGENTINA.
	E	20 27 16	MODERATE DAMAGE AT VILLA CASTELLI,
	E	20 29 42	VINCHINA AND JAQUE
	E	20 33 00	0 = 20 07 17
	ELR	20 40 00	29° S, 69° W
			DIST. 63° BERMUDA

DATE	PHASE	H M S	REMARKS
1957			
Oct. 24	IP	21 52 03	GULF OF CALIFORNIA
	IPP	21 53 37	0 = 21 44 28
	IS	21 58 02	25° N, 109½° W
	ESS	22 01 07	MAG 6
	ELR	22 03 00	DIST. 39° BERMUDA
25	E(S)	04 58 38	FOX ISLANDS, ALEUTIANS
	E(SS)	05 03 36	0 = 04 37 35
	ELR	05 14 00	52½° N, 169½° W
			DIST. 74° BERMUDA
25	IP	10 16 34	NEAR SOUTH COAST OF KAMCHATKA
	IPP	10 20 12	0 = 10 03 32
	IS	10 27 23	50½° N, 156½° E
	ISS	10 33 10	MAG 6¾ 6¾
	ESSS	10 36 44	DIST. 90° BERMUDA
	ELQ	10 40 00	
	ELR	10 43 00	
26	IPKP	14 36 46	BORNEO
	IPP	14 40 15	0 = 14 16 57
	IPPP	14 43 50	2° S, 116° E
	IPS	14 50 39	DIST. 148° BERMUDA
	ELR	15 33 00	
27	IP	22 45 00	KAMCHATKA
	IS	22 55 06	0 = 22 32 25
	IPS	22 56 46	56° N, 161° E
	ISS	23 00 30	MAG 6½ - 6¾
	ELQ	23 06 00	DIST. 84° BERMUDA
	ELR	23 10 00	
30	E(L)	02 25 00	DODECANESE ISLANDS
			FELT: ISLE OF KARPATHOS
			0 = 01 43 03
			36° N, 27½° E
			DIST. 74° BERMUDA
30	E(L)	08 05 00	DODECANESE ISLANDS
			FELT: ISLE OF KARPATHOS
			0 = 07 30 20
			36° N, 27½° E
			DIST. 74° BERMUDA

DATE	PHASE	H M S	REMARKS
1957			
Oct 31	i(P)	10 14 16	OFF COAST OF PANAMA. FELT:
	i(S)	10 19 20	BALBOA HEIGHTS, AND ON BOARD
	eLR	10 21 00	S.S. HAI HUANG
	INTERPRETATION DOUBTFUL		O = 10 07 54
			6½° N, 83° W
			MAG 6½-6¾ 6¾
			DIST. 31° BERMUDA
31	iP	16 31 23	GALAPAGOS ISLANDS REGION
	iPP	16 32 43	O = 16 24 17
	iS	16 37 07	1½° N, 86° W
	eLQ	16 39 30	DIST. 37° BERMUDA
	eLR	16 41 00	
Nov. 1	eLR	15 06 00	GUATEMALA
			O = 14 54 12
1	e(L)	20 05 30	
2	eLR	07 35 00	NEAR COAST OF CHIAPAS, MEXICO
			O = 07 20 58
			15° N, 93½° W
			DEPTH ABOUT 100 KM
			DIST. 31° BERMUDA
2	iPKS	18 53 00	NEW HEBRIDES ISLANDS
	iPPS	19 03 37	O = 18 3024
	eScSPKP	19 04 35	13° S, 166½° E
	eSS	19 09 38	DIST. 130° BERMUDA
	eL	19 28 30	
	eLR_1	19 31 00	
	eLR_2	20 20 00	
6	eLR	14 08 00	KURILE ISLANDS
			O = 13 12 53
			45° N, 149½° E
			DIST. 97° BERMUDA
7	e	03 20 24	SOUTH PACIFIC OCEAN
	e	03 26 36	O = 02 58 53
	eLR	03 33 00	24° S, 112½° W
			DIST. 73° BERMUDA

DATE	PHASE	H M S	REMARKS
1957			
Nov. 7	e	06 51 20	SOUTH PACIFIC OCEAN
	e	06 56 30	O = 06 21 56
	eLR	07 13 00	57½° S, 143½° W
			DIST. 111° BERMUDA
10	ePKP	02 55 48	SOLOMON ISLANDS
	ePP	02 58 33	O = 02 36 21
	iPKS	02 59 14	7° S, 155½° E
	eSKS	03 02 33	DIST. 134° BERMUDA
	eSKKS	03 05 26	
	ePS	03 08 20	
	ePPS	03 10 25	
	e	03 17 20	
	e	03 20 39	
	e	03 21 54	
	e	03 28 56	
	e	03 34 00	
	eLR_1	03 36 00	
	eLR_2	04 42 00	
10	ePP	06 11 36	NEAR NORTHEAST COAST OF
	ePKS	06 12 14	NEW GUINEA
	eSKKS	06 18 33	O = 05 48 57
	ePS	06 21 48	6½° S, 147° E
	ePPS	06 24 19	DIST. 141° BERMUDA
	e(SKKS)	06 25 16	
	eSS	06 29 30	
	e(SKSSKS)	06 31 11	
	eLR_1	06 53 00	
	eLR_2	07 38 00	
10	e	10 33 00	NORTHERN COLOMBIA
			O = 10 21 14
			8° N, 74½° W
			DIST. 26° BERMUDA
10	e	19 49 49	NEAR EAST COAST OF HONSHU,
	eLR	20 10 30	JAPAN. FELT: TOKYO
			O = 19 20 05
			34° N, 139½° E
			DIST. 109° BERMUDA

DATE	PHASE	H M S	REMARKS
1957			
Nov. 11	eLR	18 38 00	NEAR COAST OF GUERRERO, MEXICO. FELT: ACAPULCO O = 18 20 38
12	eLR	00 12 00	CAYMAN ISLAND O = 00 03 02 19° N, 81½° W DIST. 20° BERMUDA
12	eLR	02 40 00	NEW BRITAIN. FELT: WALINDI O = 01 31 40 6° S, 149½° E DIST. 139° BERMUDA
13	iPKP	17 41 41	KERMADEC ISLANDS REGION O = 17 22 41 33° S, 179° W MAG 6¼ - 6¾ 6¾ DIST. 126° BERMUDA
	iPP	17 43 48	
	iPKS	17 45 06	
	iSKS	17 48 48	
	iSKKS	17 50 32	
	ePS	17 53 44	
	ePPS	17 55 10	
	eScSPKP	17 56 50	
	e	17 59 30	
	e	18 01 06	
	eLR	18 19 00	
15	e(L)	00 49 00	
15	e(L)	01 05 00	
15	eL	03 52 00	
15	e(S)	06 28 14	FOX ISLANDS, ALEUTIANS O = 06 06 55 52° N, 171½° W DIST. 75° BERMUDA
	e(SS)	06 33 00	
	eLR	06 47 00	

DATE	PHASE	H M S	REMARKS
1957			
Nov. 15	e	08 33 12	MINDANAO ISLAND, PHILIPPINE ISLANDS
	e	08 38 40	FELT: DIPOLOG, DUMAGUETE AND
	e	08 43 16	MAMBAJAO
	e	08 50 20	O = 07 52 25
	e	08 55 36	8½° N, 124° E
	e(LR)	09 00 00	DIST. 138° BERMUDA
15	e(LR)	13 36 00	SOUTH OF HONSHU, JAPAN. FELT: TOKYO O = 12 01 37 34° N, 141° E DIST. 108° BERMUDA
15	iP	06 43 26	NEAR EAST COAST OF KAMCHATKA
	iS	16 54 10	O = 16 30 29
	eSS	17 00 00	51½° N, 158° E
	e(LQ)	17 07 15	DIST. 91° BERMUDA
	eLR	17 11 00	
16	e(LR)	01 12 00	
16	iP	02 00 47	ANDREANOF ISLANDS, ALEUTIANS
	iS	02 10 40	O = 01 48 48
	eLR	02 25 00	51½° N, 177° W DIST. 78° BERMUDA
16	eL	05 17 00	OFF NORTH COAST OF HONDURAS O = 05 06 46 17° N, 85° W DIST. 27° BERMUDA
17	eLR	00 07 00	SONORA, MEXICO
17	eLR	07 05 00	BAJA, CALIFORNIA O = 06 43 00 MAG 6
17	e(S)	16 03 31	SOUTHERN CHILE-ARGENTINA BORDER O = 15 41 22
	e(SS)	16 08 21	
	e(LQ)	16 13 13	
	e(LR)	16 21 00	
	INTERPRETATION DOUBTFUL		

DATE	PHASE	H	M	S	REMARKS
1957					
Nov. 18	eP	10	24	08	ANDREANOF ISLANDS, ALEUTIANS
	eS	10	34	06	0 = 10 12 00
	eSS	10	39	08	51½° N, 179½° W
	e(SSS)	10	44	07	**DIST. 79° BERMUDA**
	e(LQ)	10	47	00	
	eLR	10	51	00	
19	E	23	02	00	
	E	23	20	00	
20	iP	12	51	39	UNIMAK ISLAND
	ePP	12	54	24	0 = 12 40 23
	iS	13	00	51	54° N, 165° W
	iSS	13	05	10	MAG 6¼-6½
	e(LQ)	13	08	20	DIST. 70° BERMUDA
	eLR	13	12	00	
23	eP	01	10	08	FOX ISLANDS, ALEUTIANS
	eS	01	19	24	0 = 00 58 33
	eSS	01	24	05	52½° N, 168° W
	e(LQ)	01	27	48	DIST. 73° BERMUDA
	eLR	01	32	00	
25	eP	19	04	25	OFF COAST OF OREGON
	eS	19	11	50	0 = 18 55 12
	e(SS)	19	16	00	44° N, 130° W
	eLR	19	19	00	DIST. 52° BERMUDA
25	eP	20	41	32	OREGON AFTERSHOCK
	eS	20	48	56	0 = 20 32 25
	eLR	20	56	00	44½° N, 129½° W
					DIST. 51° BERMUDA
25	e(S)	22	33	42	OREGON AFTERSHOCK
	eLR	22	45	00	0 = 22 16 44
					45° N, 130° W
					DIST. 51° BERMUDA

DATE	PHASE	H	M	S	REMARKS
1957					
Nov. 25	iPKP	22	54	49	NEAR EAST COAST OF BORNEO
	iPKS	22	58	12	0 = 22 35 00
	iSKS	23	01	47	1½° S, 116° E
	e(SKSP)	23	08	54	DIST. 148° BERMUDA
	e(SKSSKS)	23	18	16	
	E	23	28	00	
	$e(LR_1)$	23	33	00	
	$e(LR_2)$	23	53	00	
26	iPKP	05	29	55	NEAR EAST COAST OF BORNEO
	iPKS	05	33	20	0 = 05 10 00
	iSKS	05	36	50	2° S, 116° E
	iSKKS	05	39	30	DIST. 148° BERMUDA
	i(SKSP)	05	43	40	
	iPPS	05	46	44	
	eSS	05	52	22	
	i(SKSSKS)	05	53	34	
	E	05	55	52	
	E	05	57	46	
	eLR	06	22	00	
26	e(S)	11	57	54	ANDREANOF ISLANDS, ALEUTIANS
	e(SS)	12	01	13	0 = 11 35 44
	eLR	12	15	00	51½° N, 176° W
					DIST. 77° BERMUDA
26	E	23	38	00	NEAR COAST OF NICARAGUA
					0 = 23 24 03
					11½° N, 86½° W
					DEPTH ABOUT 100 KM
					DIST. 29° BERMUDA
28	iPKP	21	09	22	NEW HEBRIDES ISLANDS
	iPP	21	11	35	0 = 20 50 10
	iPKS	21	12	48	15° S, 168½° E
	e(SKS)	21	17	20	DIST. 129° BERMUDA
	e(SsSP)	21	20	12	
	e(ScSPKP)	21	24	28	
	e(SS)	21	29	04	
	e(SKSSKS)	21	31	10	
	eLR_1	21	52	00	
	eLR_2	22	40	00	

DATE	PHASE	H M S	REMARKS
1957			
Nov. 29	eLR	19 04 00	
29	rP	22 28 41	SOUTHERN BOLIVIA. SLIGHT DAMAGE IN NORTHERN CHILE.
	RARE FROM THE S.		
	r(PcP)	22 29 39	0 = 22 19 38
	r(PPP)	22 31 42	21° S, 66° W
	eS	22 35 57	MAG 7¾-8 7½
	r	22 37 30	DEPTH ABOUT 200 KM
	e(SS)	22 39 30	DIST. 53° BERMUDA
	e(LR)	22 43 30	
30	e(S)	22 18 37	KURILE ISLANDS
	e(SS)	22 25 04	0 = 21 54 10
	e(LQ)	22 31 24	47° N, 154° E
	e(LR)	22 38 20	DIST. 93° BERMUDA
	INTERPRETATION DOUBTFUL		
Dec. 1	e	01 25 00	KURILE ISLANDS
	e	01 33 32	0 = 01 00 26
	eLR	01 53 00	47½° N, 153½° E
			DIST. 92° BERMUDA
3	eLQ	22 25 00	FOX ISLANDS, ALEUTIANS
			0 = 21 46 18
			52° N, 169° W
			DIST. 73° BERMUDA
4	rP	03 51 39	OUTER MONGOLIA
	rPP	03 55 32	0 = 03 37 45
	rPPP	03 58 00	45½° N, 99½° E
	r(SKS)	04 01 45	MAG 7.9 7¾-8
	ePS	04 05 09	DIST. 101° BERMUDA
	r(SS)	04 10 52	
	e	04 14 25	
	e(LR)	04 26 00	
7	e(LQ)	08 35 00	GUATEMALA
			0 = 08 24 03
			15½° N, 92° W
			DIST. 29° BERMUDA

DATE	PHASE	H M S	REMARKS
1957			
Dec. 7	e(P)	22 24 54	OFF EAST COAST OF NICARAGUA
	r(S)	22 28 53	0 = 22 18 49
	eLR	22 30 00	13½° N, 82° W
			DIST. 24° BERMUDA
9	eLR	22 34 00	YUKON
			0 = 22 07 43
			65½° N, 133° W
			DIST. 52° BERMUDA
10	r(PKP)	14 55 25	SOLOMON ISLANDS
	r(PP)	14 58 00	0 = 14 35 57
	r(SKS)	15 01 50	6° S, 154½° E
	r(PS)	15 08 04	MAG 6¾ 6¾-6¾
	r(PPS)	15 10 10	DIST. 135° BERMUDA
	r	15 11 14	
	r	15 21 12	
	r	15 33 30	
	e(LR)	15 37 00	
13	r(S)	20 47 30	FOX ISLANDS, ALEUTIANS
	r(SS)	20 52 15	0 = 20 26 22
	r	20 56 07	52½° N, 170° W
	eLR	21 04 00	DIST. 74° BERMUDA
16	rP	17 36 36	VANCOUVER ISLANDS
	rPP	17 38 22	0 = 17 27 47
	rS	17 43 42	50° N, 127° W
	rScS	17 46 20	DIST. 49° BERMUDA
	rSS	17 47 29	
	eLR	17 52 00	
17	rP	05 23 24	NEAR EAST COAST OF KAMCHATKA
	r(PP)	05 26 24	0 = 05 10 11
	r(PPP)	05 28 40	43½° N, 162° E
	e(SKS)	05 33 16	MAG 6¾
	e(PPS)	05 36 27	DIST. 94° BERMUDA
	e(L)	05 45 00	

DATE	PHASE	H M S	REMARKS
1957			
DEC. 17	iP	14 06 08	SANTA CRUZ ISLANDS
	iPKP	14 09 16	0 = 13 50 12
	i(PP)	14 11 20	12½° S, 166½° E
	i	14 11 57	MAG 7¾
	i(PS)	14 21 18	DEPTH ABOUT 100 KM
	iS	14 28 00	DIST. 130° BERMUDA
	e(LR)	14 56 00	
18	e(S)	02 20 30	VENEZUELA
	e(LR)	02 22 00	0 = 02 11 40
			11° N, 63½° W
			DIST. 21° BERMUDA
20	i(S)	11 37 50	CENTRAL CHILE
	i(ScS)	11 39 12	0 = 11 18 42
	i(SS)	11 41 57	30½° S, 71° W
	e(LQ)	11 44 38	DIST. 64° BERMUDA
	e	11 47 16	
	e(LR)	11 51 00	
23	iP	12 39 32	ATLANTIC OCEAN
	iS	12 43 43	0 = 12 34 03
	eLR	12 45 10	35° N, 36½° W
			DIST. 24° BERMUDA
25	iP	16 30 57	VENEZUELA
	iS	16 35 05	0 = 16 26 01
	eLR	16 36 30	10½° N, 62½° W
			DIST. 22° BERMUDA
27	e(LQ)	09 07 00	
28	iP	14 45 39	BOLIVIA
	iPP	14 47 43	0 = 14 36 40
	iS	14 53 01	18° S, 64½° W
	e(SS)	14 57 00	DIST. 51° BERMUDA
	eLR	14 59 00	

DATE	PHASE	H M S	REMARKS
1957			
DEC. 31	e(S)	10 33 56	NORTH ATLANTIC OCEAN
	e(SS)	10 36 28	0 = 10 21 35
	eLR	10 37 30	58° N, 32° W
			DIST. 34° BERMUDA
31	iP	13 06 29	NORTH ATLANTIC OCEAN
	e(S)	13 10 04	0 = 13 02 20
	eT	13 23 14	25° N, 46° W
	eT MAX.	13 24 16	DIST. 18° BERMUDA
31	eLR	15 34 00	OFF COAST OF SOUTH ISLAND, NEW ZEALAND
			0 = 14 28 15
			45° S, 165½° E
			DIST. 139° BERMUDA
1958			
JAN. 1	eLR	15 50 05	FOX ISLANDS, ALEUTIANS
			0 = 15 06 08
			52° N, 171½° W
			DIST. 75° BERMUDA
2	eLR	01 29 00	NEW BRITAIN
			0 = 00 21 22
			5° S, 152° E
			DIST. 136° BERMUDA
2	e(P)	22 40 23	NORTHEAST OF TRINIDAD.
	e(S)	22 44 19	FELT: TOBAGO
	eLR	22 45 00	0 = 22 35 29
			11½° N, 60½° W
			DIST. 21° BERMUDA
3	eLR	04 46 00	
3	eP	06 29 03	NORTH ATLANTIC OCEAN
	e(S)	06 32 32	0 = 06 24 31
	eLR	06 33 00	32° N, 41½° W
	e(T)	06 49 00	DIST. 20° BERMUDA

DATE	PHASE	H M S	REMARKS
1958			
JAN. 3	eP	06 54 36	NORTH ATLANTIC OCEAN
	e(S)	06 58 28	0 = 06 49 56
	eLR	06 59 00	31° N, 40½° W
	e(T)	07 15 00	DIST. 21° BERMUDA
3	eP	07 06 54	NORTH ATLANTIC OCEAN
	e(S)	07 10 21	0 = 07 02 07
	eLR	07 11 00	31° N, 40½° W
	eT	07 26 40	DIST. 21° BERMUDA
	eT MAX.	07 27 20	
3	e(P)	08 00 25	NORTH ATLANTIC OCEAN
	e(S)	08 04 25	0 = 07 55 40
	eLR	08 05 00	31½° N, 41° W
			DIST. 20° BERMUDA
3	eLR	08 29 00	PROBABLY NORTH ATLANTIC OCEAN
3	eLR	08 42 00	NORTH ATLANTIC OCEAN
			0 = 08 33 31
			32½° N, 41° W
			DIST. 20° BERMUDA
3	e	08 58 26	PROBABLY NORTH ATLANTIC OCEAN
	e	09 02 06	
	eLR	09 02 40	
3	eP	09 30 26	NORTH ATLANTIC OCEAN
	eLR	09 34 30	0 = 09 25 47
			31½° N, 40½° W
			DIST. 21° BERMUDA
3	e(P)	10 17 23	NORTH ATLANTIC OCEAN
	eLR	10 21 30	0 = 10 12 33
			31½° N, 41° W
			DIST. 20° BERMUDA

DATE	PHASE	H M S	REMARKS
1958			
JAN 11	ePP	13 39 16	TONGA ISLANDS REGION
	eSKS	13 44 30	0 = 13 18 47
	eSKKS	13 45 54	23½° S, 177° W
	ePS	13 49 00	DIST. 120° BERMUDA
	ePPS	13 50 00	
	e(PKKS)	13 52 14	
12	iP	14 59 50	ATLANTIC OCEAN
	e(S)	15 03 39	0 = 14 55 09
	eLR	15 04 00	31½° N, 41° W
	eT	15 19 42	DIST. 20° BERMUDA
13	e(P)	00 15 13	RAT ISLANDS, ALEUTIANS
	e(S)	00 24 24	0 = 00 02 24
			52½° N, 177° E
			DEPTH ABOUT 100 KM
			DIST. 80° BERMUDA
13	eLR	03 06 00	OFF SOUTH COAST OF PANAMA
			0 = 02 52 40
			7° N, 83° W
			DIST. 31° BERMUDA
13	eLR	04 56 00	SANTA CRUZ ISLANDS
			0 = 02 54 37
			11° S, 166° E
			DEPTH ABOUT 100 KM
			DIST. 129° BERMUDA
14	e(LQ)	07 00 00	TONGA ISLANDS
			0 = 05 54 48
			22° S, 175° W
			DIST. 118° BERMUDA
15	iP	19 23 11	SOUTHERN PERU. EXTENSIVE
	COMP. FROM THE SW		PROPERTY DAMAGE, 21 KILLED,
	iPP	19 25 19	90 INJURED.
	iPcS	19 28 22	0 = 19 14 29
	iS	19 30 17	16½° S, 71½° W
	eScS	19 33 00	MAG 7 6¾
	eLQ	19 35 00	DEPTH ABOUT 100 KM
	eLR	19 37 00	DIST. 49° BERMUDA

DATE	PHASE	H M S	REMARKS
1958			
JAN I5	E	22 38 23	NEW HEBRIDES ISLANDS
	E	22 46 00	O = 22 I5 44
	E	22 48 50	I3½° S, I67° E
	E	22 54 52	DIST. I30° BERMUDA
	E	22 57 08	
	eLR_1	23 I8 00	
	eLR_2	00 07 00	
I6	eLR	I2 09 00	NEW HEBRIDES ISLANDS
			O = II 03 32
			I4° S, I67° E
			DIST. I32° BERMUDA
I6	e(L)	2I 50 00	
I7	e(L)	08 28 00	ANTARCTIC OCEAN
	eLR	08 40 00	O = 07 I5 38
			52° S, I39½° E
			DIST. I53° BERMUDA
I8	e(S)	I5 37 08	NORTH OF TRISTAN DA CUNHA
	eLR	I5 50 00	O = I5 I4 26
			29° S, I3° W
			DIST. 79° BERMUDA
I9	iP	I4 I4 09	NEAR COAST OF ECUADOR. I4 KILLED,
	COMP. FROM THE SW		MANY INJURED, EXTENSIVE PROPERTY
	iPP	I4 I5 I0	DAMAGE AT LAS ESMERALDAS, LAS
	iPcP	I4 I6 I8	PALMAS AND GUAYAQUIL. SEISMIC
	E	I4 I7 I4	SEA WAVES: LAS ESMERALDAS AND
	E	I4 I8 23	GUAYAQUIL.
	iS	I4 I9 20	O = I4 07 23
	eSS	I4 2I 40	I½° N, 79½° W
			MAG 7½
			DIST. 34° BERMUDA
20	e(S)	02 38 49	NORTHERN CHILE
	e(SS)	02 43 00	O = 02 I9 53
	e(LQ)	02 46 I0	30½° S, 7I½° W
	e(LR)	02 5I 00	DIST. 64° BERMUDA

DATE	PHASE	H M S	REMARKS
1958			
JAN. 22	eLR	I9 33 00	NEAR EAST COAST OF FORMOSA.
			FELT: TAIPEI
			O = I8 29 II
			23° N, I2I½° E
			DEPTH ABOUT 200 KM
			DIST. I24° BERMUDA
23	eLR	I4 00 00	OFF WEST COAST OF NORWAY
			O = I3 35 03
			65° N, 6½° E
			DIST. 53° BERMUDA
23	e(LQ)	I7 00 00	
24	iP	06 06 28	NEAR EAST COAST OF KAMCHATKA
	ePP	06 09 3I	O = 05 53 58
	ePPP	06 I0 54	56½° N, I63° E
	iS	06 I6 44	MAG 6½
	eSS	06 22 00	DIST. 83° BERMUDA
	e(LQ)	06 27 00	
	eLR	06 3I 00	
24	eLR	I9 50 00	KOMANDORSKIE ISLANDS REGION
			O = I8 03 32
			54° N, I70° E
			DIST. 82° BERMUDA
24	e(PPP)	23 3I 26	KENAI PENINSULA, ALASKA
	e(S)	23 35 55	FELT: ANCHORAGE
	e(SS)	23 39 48	O = 23 I7 29
	e(LQ)	23 42 00	60° N, I52° W
	e(LR)	23 46 00	MAG 6¼ - 6½
			DEPTH ABOUT 60 KM
			DIST. 6I° BERMUDA
27	i(PKS)	08 07 I6	SAMOA ISLANDS
	e(SKS)	08 09 42	O = 07 43 58
	i(SKKS)	08 I0 54	I5° S, I74° W
	e(PS)	08 I3 03	MAG 6¼-6¾
	e(PPS)	08 I4 28	DIST. II4° BERMUDA
	e(SS)	08 I9 46	
	e(LQ)	08 36 00	
	e(LR)	08 43 00	

DATE	PHASE	H M S	REMARKS
1958			
JAN. 29	eLR	10 31 00	NEAR COAST OF GUERRERO, MEXICO
			0 = 10 14 55
			16° N, 99° W
			DIST. 35° BERMUDA
30	e(PKS)	06 35 46	SOLOMON ISLANDS
	e	06 36 25	0 = 06 13 24
	e(SKS)	06 39 31	7½° S, 155½° E
	e(PcPPKP)	06 40 36	MAG 6½
	e(PS)	06 45 29	DIST. 134° BERMUDA
	e(ScSPKP)	06 48 00	
	e	06 58 48	
	eLR_1	07 14 00	
	eLR_2	08 12 00	
31	e(LR)	22 05 00	
FEB. 1	iP	16 16 57	NEAR COAST OF ECUADOR
	COMP. FROM THE SW		FELT: ESMERALDAS
	iPP	16 18 04	0 = 16 10 15
	iS	16 22 17	2° N, 79° W
	e(LQ)	16 25 00	MAG 6¾-7
	e(LR)	16 27 00	DIST. 34° BERMUDA
1	iP	18 09 22	ECUADOR AFTERSHOCK
	ePP	18 10 27	FELT: ESMERALDAS
	eS	18 14 46	0 = 18 02 39
	e(LQ)	18 16 30	2° N, 79° W
	eLR	18 18 00	MAG 6¾-7 6½
			DIST. 34° BERMUDA
1	iP	20 52 30	ECUADOR AFTERSHOCK
	COMP. FROM THE SW		0 = 20 45 45
	iPP	20 53 35	1½° N, 79° W
	iS	20 57 56	MAG 6¾ 6½
	e(LQ)	21 00 00	DIST. 34° BERMUDA
	eLR	21 01 30	
7	e(LR)	05 21 00	KOMANDORSKIE ISLANDS
			0 = 04 37 33
			55° N, 167° E
			DIST. 83° BERMUDA

DATE	PHASE	H M S	REMARKS
1958			
FEB. 8	eLR	00 24 00	SZECHWAN PROVINCE, CHINA
			0 = 23 23 30
			31½° N, 104° E
			DIST. 115° BERMUDA
9	e(S)	04 24 51	SOUTH OF PANAMA
	e	04 28 00	FELT: BALBOA HEIGHTS
	e	04 29 43	0 = 04 15 05
	eLR	04 30 00	8° N, 79½° W
			DIST. 27° BERMUDA
11	eLR	02 13 00	
11	eLR	13 01 00	NEAR COAST OF GUATEMALA
			0 = 12 46 20
12	eLR	07 42 00	NEW BRITAIN
			0 = 06 34 59
			5° S, 151½° E
			DIST. 136° BERMUDA
12	eLR	08 30 00	NEW BRITAIN
			0 = 07 21 37
			6° S, 151½° E
			DEPTH ABOUT 100 KM
			DIST. 137° BERMUDA
12	iP	23 55 44	ANDREANOF ISLANDS, ALEUTIANS
	ePPP	23 59 44	0 = 23 43 45
	iS	00 05 25	52° N, 175° W
	eSS	00 10 00	MAG 6 5¾-6
	e(LQ)	00 14 50	DIST. 76° BERMUDA
	e	00 18 30	
	eLR	00 23 00	
16	e(S)	06 30 16	NEAR COAST OF HONSHU, JAPAN
	eLR	07 03 00	0 = 06 04 05
			39° N, 142° E
			MAG 6-6¼
			DIST. 105° BERMUDA

DATE	PHASE	H M S	REMARKS
1958			
FEB. 22	iP	II 02 29	ANDREANOF ISLANDS, ALEUTIANS
	RARE FROM THE NW		O = IO 50 23
	iPP	II 05 2I	50½° N, I75° W
	iPPP	II 07 I5	MAG 6¾
	iS	II I2 I8	DIST. 78° BERMUDA
	iSS	II I7 I2	
	eLQ	II 2I 33	
	eLR	II 26 00	
22	e(S)	I7 26 40	ANDREANOF ISLANDS, ALEUTIANS
	e(L)	I7 48 00	O = I7 05 00
	e(LR)	I7 5I 00	5I½° N, I74½° W
			DIST. 76° BERMUDA
23	e	0I 36 00	
	eLR	0I 45 00	
	e(T)	0I 5I 0I	
23	e(PKP)	08 24 06	SANTIAGO DEL ESTERO PROVINCE,
	e(SKS)	08 3I 32	ARGENTINA
	e(SKKS)	08 33 00	O = 08 I4 48
	e(PS)	08 35 43	27½° S, 63° W
	e(PPS)	08 36 54	DEPTH ABOUT 600 KM
	e	08 39 00	DIST. 6I° BERMUDA
	INTERPRETATION DOUBTFUL		
24	eLR	I3 I6 00	OUTER MONGOLIA
			O = I2 27 06
			45° N, 99° E
			DIST. I0I° BERMUDA
25	e(P)	02 I8 5I	
	e(S)	02 29 I0	
	eLR	02 37 00	
27	eLR	II 02 00	
27	ePKP	23 46 44	BATAN AFTERSHOCK
	iPP	23 49 00	O = 23 27 49
	iPKS	23 50 I8	2I° N, I20° E
	iPPP	23 5I 39	DIST. I26° BERMUDA
	iSKKS	23 55 54	
	iPKKP	23 57 05	
	iPS	23 58 42	
	iPPS	00 00 I3	
	e(LQ)	00 27 25	
	eLR	00 30 00	

DATE	PHASE	H M S	REMARKS
1958			
FEB. 28	iP	09 59 I3	MID ATLANTIC OCEAN
	COMP. FROM THE SE		O = 09 54 53
	e(PPP)	I0 00 03	27° N, 44° W
	iS	I0 02 36	DIST. I9° BERMUDA
	eLR	I0 03 30	
	eT	I0 I6 40	
	eT MAX	I0 I8 02	
28	e(P)	I0 4I 0C	PROBABLY MID ATLANTIC OCEAN
	e(S)	I0 43 20	
	e(LR)	I0 43 50	
28	e(P)	I2 22 I3	
	e(LR)	I2 26 00	
	e(T)	I2 40 I2	
	e T MAX	I2 40 36	
28	e(P)	I3 06 40	
MAR. 3	iP	I6 30 4I	KOMANDORSKI ISLANDS
	ePP	I6 33 49	O = I6 I8 I7
	iS	I6 40 54	55½° N, I66½° E
	iSS	I6 46 I5	MAG 6¼-6½
	e(LQ)	I6 50 30	DIST. 83° BERMUDA
	eLR	I6 55 00	

DATE	PHASE	H M S	REMARKS
1958			
MARCH 9	ePP	10 43 28	KERMADEC ISLANDS REGION
	eSKS	10 48 32	0 = 10 22 25
	ePS	10 53 32	34° S, 178½° W
	eSS	11 01 16	MAG 6½-6¾
	eLR	11 20 00	DEPTH ABOUT 60 KM
			DIST. 126° BERMUDA
11	iPKP	00 45 02	RYUKYU ISLANDS. SEVERAL
	iPP	00 46 30	KILLED AND MANY INJURED
	iPKS	00 48 25	ON OKINAWA. FELT STRONGLY
	iPPP	00 49 24	ON MIYOKO AND ISHIGAKI
	i(SKS)	00 51 31	0 = 00 25 26
	i(SKS)	00 52 25	25½° N, 125° E
	e(SKKKS)	00 54 30	MAG 7
	iPS	00 56 16	DEPTH ABOUT 60 KM
	iPPS	00 57 26	DIST. 121° BERMUDA
	i(PcPPKP)	00 58 12	
	e(PKKS)	00 59 12	
	eSS	01 03 00	
	e(LR)	01 14 00	
12	e(P)	00 00 00	GUERRERO, MEXICO
	e(S)	00 05 30	0 = 23 53 00
	eLR	00 09 00	17° N, 98½° W
			DIST. 34° BERMUDA
14	e	00 15 00	MASBATE ISLAND,
	e	00 34 00	PHILIPPINE ISLANDS
	e(LQ)	00 45 25	0 = 23 49 23
	eLR	00 56 00	12½° N, 123½° E
			DIST. 134° BERMUDA
15	eLR	01 28 00	NEAR EAST COAST OF FORMOSA
			0 = 00 24 04
			23½° N, 122° E
			DIST. 124° BERMUDA
15	eLR	08 55 00	ARIZONA
			0 = 08 34 04
			32½° N, 113½° W
			DIST. 40° BERMUDA

DATE	PHASE	H M S	REMARKS
1958			
MARCH 15	eLR	20 15 00	NEW BRITAIN. FELT: RABAUL
			0 = 19 06 10
			5° S, 152° E
			DIST. 136° BERMUDA
18	e	22 41 36	FOX ISLANDS FORESHOCK
	e	22 44 52	0 = 22 20 02
	e(L)	22 56 30	50½° N, 173° W
	e(LR)	23 01 00	DIST. 76° BERMUDA
20	iP	01 49 54	FOX ISLANDS REGION, ALEUTIANS
	iP	01 50 31	0 = 01 38 04
	i(PP)	01 53 16	51° N, 173° W
	iS	01 59 35	DIST. 76° BERMUDA
	iSS	02 04 29	
	iSSS	02 08 35	
	eLQ	02 11 00	
	eLR	02 14 00	
25	iP	18 45 44	VIRGIN ISLANDS FELT
	iS	18 48 07	0 = 18 42 27
	eLR	18 48 50	18° N, 64½° W
	eT	18 59 30	DIST. 14° BERMUDA
	eT MAX.	18 59 52	
27	eLR	06 21 00	NEAR COAST OF GUATEMALA
			0 = 06 05 30
31	eS	21 15 13	LEEWARD ISLANDS
	eLR	21 16 00	0 = 21 09 01
	eT	21 27 32	17½° N, 60° W
	eT MAX.	21 28 34	DIST. 15° BERMUDA