I. G. Y. SEISMOLOGICAL BULLETIN

GEOLOGICAL SURVEY OF FIJI

SUVA, FIJI

By

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6 December 1957 to 24 June 1958

LAMONT GEOLOGICAL OBSERVATORY
COLUMBIA UNIVERSITY
Palisades, New York
L.G.O. Contribution No. 333

STATION CONSTANTS, INSTRUMENTS, AND ABBREVIATIONS

Latitude: 18° 08' 56" South

Longitude: 178° 27' 26" East

Elevation: 6 meters

Bedrock: Pliocene marl-mudstone

INSTRUMENTS:

One L.G.O. - I.G.Y. vertical seismograph
to = 30 sec. tg = 85 sec. (installed December 31, 1957)

Two L.G.O. -I.G.Y. horizontal seismographs
To = 15 sec Tg = 85 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.

T (±) = period (first motion up, North, or East is +)

A = half amplitude in millimeters

Time - Synchronome Master Clock with invar pendulum corrected by radio time signals three times a day.

Station: Suva, Fiji

Date	Phase	Comp	G.M.T. h	m	s	T(±)	A	KM	Remarks
Dec. 10	iP	e	14	41	29	7+	4	2890	6°S 154 1/2°E
	iS	n	14	46	10	16+	12		Solomon Islands
	eLQ	n	14	47	40	3.4-	25		Mag. 6 3/4
									O=14 35 57
Dec. 12	eP	e	09	50	00?	1		1250	14 1/2°S 167 1/2°E
	eS	e	09	52	10?				New Hebrides
									Time est. no marks
									O=09 47 02
Dec. 12	eP	n	18	41	20?	1		1330	13 1/2°S 167°E
	eS	n	18	43	32?				New Hebrides
									Times est. no marks
									O=18 38 19
Dec. 17	iS	n	05	31	19	15+	2	8100	53 1/2°N 162°E
	iPS	n	05	31	47	18-			East coast of Kamchatka
	eLR	n	05	45	00?	40			Mag. 6 1/2
									O=05 10 11
Dec. 17	iP	n&e	13	53	21	6+	36	1390	12°S 167°E
									Santa Cruz Island
									Mag. 7 3/4
									O=13 50 05
									Instruments off scale
Dec. 26	eP	z	12	12	46			1610	32 1/2°S 178°W
	iLQ	e	12	15	36	24-	5		Kermadec
	eLR	z	12	16	32				O=12 09 11
Dec. 28	iP	e	19	03	43	6-	4	1000	16°S 172°W
	eS	n	19	05	44				Tonga Island
	L	e	19	06	05				O=19 01 22
Dec. 31	eP	e	14	34	47			3220	45°S 165 1/2°E
	iS	n	14	39	03	14+	3		South Island
	iLQ	e	14	40	56	26			New Zealand
	eLR	n	14	41	58	20			O=14 28 15
Dec. 31	eP	n	14	53	58			330	
	iS	e	14	54	22	4-	3		
Jan. 1	e	z	10	12	25				
	eL	z	10	14	39				
Jan. 1	eL	z	15	38	15			7780	52°N 171 1/2°W
									Fox Island
									Aleutians
									O=15 06 08

Station; Suva, Fiji

Date	Phase	Comp	G.C.T. h	m	s	T(±)	A	KM	Remarks
Jan. 2	eLR	z	00	35	34	36-		3220	5°S 152°E New Britain O=00 21 22
Jan 2	eL	z	02	08	56				
Jan. 2	eP	z	11	10	16				
	eS	z	11	10	38				
Jan. 8	eL	z	03	19	03			1330	14°S 167°E New Hebrides O=03 12 55
Jan. 11	iP	z	13	20	52	5-	5	778	23 1/2°S 177°W
	iS	e	13	22	12		15		Tonga Island O=13 18 47
Jan. 13	eL	z	00	34	05			7900	52 1/2°N 177°E Rat Island Aleutians O=00 02 24 h= 100km
Jan. 13	iP	z	02	57	58	10-	9	1560	11°S 166°E
	eS	z	03	00	37				Santa Cruz Island
	iLR	z	03	01	32				h= 100km O=02 54 37
Jan. 14	iP	z	05	56	46	4-	2	778	22°S 175°W
	iS	e	05	58	15				Tonga Island
	iLR	z	05	58	33	20			O=05 54 48
Jan 14	iP	z	07	23	06	3-	4	1280	29°S 179°W
	eL	z	07	25	17				Kermadec h= 350km O=07 20 25
Jan. 15	iP	z	19	28	15			11450	16 1/2°S 71 1/4°W
	iPP	z	19	32	29				S. Peru
	ePKS	z	19	36	14				Mag 7
	eSKS	z	19	39	29				h= 100km
	ePS	z	19	41	27				O=19 14 29
	eSS	z	19	47	27				
	iLR	z	20	01	30	30+	15		
Jan 16	iP	z	11	06	35	8+	4	1330	14°S 167°E
	iS	z	11	08	59	12-	7		New Hebrides
	iL	z	11	09	34				O=11 03 32
Jan 17	eL	z	04	40	14				

Station: Suva, Fiji

Date	Phase	Comp	G.C.T. h	m	s	T(±)	A	KM	Remarks
Jan. 18	iP	z	07	23	54	9-	4	5060	52°S 139 1/2°E
	iS	z	07	30	42	10+	4		Antarctic Ocean
	iLR	z	07	36	44				O=07 15 38
Jan 19	iP(Diff)	z	14	21	25	9-	4		1 1/2°N 79 1/2°W
	iPP	z	14	25	33	7-	18	11398	Coast of Ecuador
	ePS		14	34	33				O=14 07 23
	iLR	z	14	54	46				
Jan. 20	eL	z	03	04	44			10790	30 1/2°S 71 1/2°W N. Chile O=02 19 53
Jan. 22	eL	z	09	38	14				
Jan. 22	eL	z	16	03	49				
Jan. 22	eP	z	18	40	23			7617	23°N 121 1/2°E
	eS	z	18	49	12				East Coast of Formosa
	eScS	z	18	50	00				h= 200km
	eSS		18	53	44				O=18 29 11
	iLR	z	19	01	48				
Jan. 23	e		08	55	41			1001	18 1/2°S 170°E
	iS	n	08	56	15	8+	7		New Hebrides h= 150km O=08 52 23
Jan 23	eLR	z	12	46	33				
Jan. 23	iP	z&n	16	23	39	6-	4		
	eLR	z	16	24	46				
Jan 23	eLR	z	16	31	05				
Jan 24	eLR	z	05	23	54				
Jan. 24	iP	z	06	05	42	12+	2	8396	56 1/2°N 163°E
	iS	z	06	15	24	18-	2		Kamchatka
	iPPS	z	06	16	16	32+	5		O=05 53 58
	iSS	z	06	20	19	24+	3		
	iLR	z	06	28	26				
Jan. 24	eLR	z	18	37	02			8062	54°N 170°E Komandorskie Island O=18 03 32
Jan 24	iP	z	23	54	51	5+	5	56	17 1/2°S 178 1/2°W
	iS	z	23	55	48	5+	3		Fiji
	i	z	23	55	54				h= 550km
	i	z	23	57	59				O=23 53 29

Date	Phase	Comp	h	m	s	T(±)	A	KM	Remarks
Jan. 25	eLR	z	03	58	49			5705	54°S 133°W S. Pacific O=03 35 21
Jan. 25	eLR	z	07	13	33			7673	47 1/2°N 154 1/2°E Kurile Island O=06 42 13
Jan 25	eLR	z	08	00	43			7840	49 1/2°N 155°E N. Kurile Island O=07 28 33
Jan 26	i	z	18	00	54	12+	2		(from east)
	iLR	z	18	03	10				
Jan 27	iP	z	07	46	05	16-	26	834	15°S 174°W Samoa Island Mag 6 1/2 O=07 43 58
	iS	z	07	47	35	12-	13		
	iLR	z	07	47	50				
Jan 29	eLR	z	10	55	53			9786	16°N 99°W Guerrero, Mexico O=10 14 55
Jan 30	iP	z	02	10	28	7-	6	556	
	iS	z	02	11	28	10+	3		
Jan 30	eP	z	06	18	50			2724	7 1/2°S 155 1/2°E Solomon Islands O=06 13 24
	iS	e	06	23	21	16+	40		
Feb 1	iSKS	e	16	34	50	18-	15	11450	2°N 79°W Mag 6 3/4-7 Coast of Ecuador O=16 10 15
	iPS	e	16	37	40	16+	27		
	iSS		16	43	15	30-	22		
	eLR	e	16	57	49				
Feb 1	i		23	10	35				
Feb 2	eS	n	08	32	17			7728	48 1/2°N 154 1/2°E Kurile Island Mag 6 1/2-6 3/4 O=08 11 53
	eScS	n	08	32	57				
	e		08	40	25				
	eL	n	08	43	30				
Feb 2	eP	z	11	22	47			256	Fiji
	iS	n	11	23	12	8+	20		
Feb 2	eP	z	11	26	17			256	Fiji
	eS	z	11	26	43				

Date	Phase	Comp	h	m	s	T(±)	A	KM	Remarks
Feb. 2	eP	z	11	30	35			256	Fiji
	eS	z	11	31	i03				
Feb. 2	eP	z	12	23	00			256	Fiji
	iS	n	12	23	30	6-	4		
Feb. 4	eLR	z	08	48	27				
Feb 4	eLR	z	12	52	52			3169	7°S 156°E Solomon Islands O=12 40 27
Feb 4	eLR	z	20	19	00			8173	54°N 164°W Unimak, Aleutians O=19 45 27
Feb 5	eLR	z	04	38	42			1724	10 1/2°S 164 1/2°E Santa Cruz Island O=04 31 32
Feb 5	eLR	z	08	39	05			7673	47°N 153°E Kurile Island O=08 08 10
Feb 5	eLR	z	21	17	41				
Feb 7	iP	z	01	13	58	4-	1	1446	31°S 179°W Kermadec Islands O=01 10 31
	iS	z	01	16	32	14+	2		
Feb 7	eLR	z	05	11	00			8173	55°N 167°E Komandorskie Island O=04 37 33
Feb 8	eL	z	00	05	30			8262	31 1/2°N 104° E Szechwan Province, China O=23 23 20 on Feb 7
Feb 9	e	z	01	43	16				
	e	z	01	44	41				
Feb 9	eL	z	22	56	49			7117	12 1/2°N 121°E Mindoro, Philippines O=22 29 23
Feb 12	iP	z	06	41	12	10+	2	3225	5°S 151 1/2°E New Britain O=06 34 59 (Deep?)
	iS	z	06	45	59	22+	2		
			06	48	41				

Date	Phase	Comp	G.C.T. h	m	s	T(±)	A	KM	Results
Feb 12	eL	z	07	36	37			3169	6°S 151 1/2°E New Britain h = 100km O=07 21 37
Feb 13	e	z	06	12	08				
	eL	z	06	14	15				
Feb 14	e L	z	22	18	57				
Feb 15	eS	z	02	06	42			7617	44°N 147°E Kurile Island Mag 6-6 1/2 O=01 46 40
	ePPS	z	02	07	21				
	e		02	14	17				
	eLR	z	02	17	55				
Feb 15	eL	z	13	26	02				
Feb 16	eP	z	06	14	53			7339	39°N 142°E Honshu Coast Mag 6-6 1/4 O=06 04 05
	ePcP	z	06	15	04				
	eS	z	06	23	38				
	e	z	06	24	12				
	eSS	z	06	27	58				
	e	z	06	31	14				
	eL	e	06	34	00				
Feb 17	eLR	z	00	06	47			2836	6°S 155°E Solomon Islands 16/ Feb/58 O=23 54 45
Feb 17	ePP	z	05	38	00			12730	35 1/2°N 70°E Hindu Kush h = 200km O=05 18 35
	e	z	05	47	06				
	ePPS	z	05	48	44				
	e	z	05	49	58				
	e	z	05	55	36				
Feb 18	iP	z&e	07	36	11	9+	5	890	21°S 173 1/2°W Tonga Island O=07 34 07
	iS	e	07	38	03	12-	4		
	eL	e	07	38	24				
Feb 18	e		09	54	09				
	eL	z	09	55	34				
Feb 18	iP	z	13	24	29	12-	20	1479	31°S 178 1/2°W Kermadec Island O=13 21 20
	eS	z	13	27	02				
Feb 18	iP	z	20	15	27	13+	2	3725	3°S 147 1/2°E Bismark Sea O=20 08 44
	eS	z	20	20	53				

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Date	Phase	Comp	G.C.T. h	m	s	T(±)	AQ	KM	Remarks
Feb 20	eLR	z	02	23	35				
Feb 20	eLR	z	04	30	34			7617	20 1/2°N 120 1/2°E Batan Island aftershock O=03 57 42
Feb 20	eLR	z	05	11	31			7617	20 1/2°N 120 1/2°E Batan Island aftershock O=04 38 34
Feb 20	eLR	z	09	37	46			7673	21°N 120°E Batan Island aftershock O=09 04 44
Feb 20	eL		12	15	33				
Feb 21	eP	z	08	56	29				Fiji
Feb 21	eP	z	09	13	01				Fiji
	e		09	13	16				
	e		09	13	34				
Feb 22	iP	z	11	01	28	9+	7	7673	50 1/2°N 175°W Andreanof Island, Aleutians Mag 6 3/4 O=10 50 23
	ePcP	z	11	01	50				
	ePP	z	11	04	09				
	iS	z	11	10	32	21+	7		
	iPPS	z	11	11	09	29-	20		
	eSS	z	11	14	46				
	eIΩ	e	11	18	09				
	eLR	z	11	21	06				
	eLR2	z	13	07	32				
Feb 22	eLR	z	17	36	34			7673	50 1/2°N 174 1/2°W Andreanof Island, Aleutians O=17 05 00
Feb 23	eLR	z	00	38	30			3002	6°S 152°E New Britain, Solomons O=00 24 34
Feb 23	eLR	z	10	39	33			7617	20 1/2N 120 1/2°E Batan Island aftershock O=10 06 34
Feb 23	eL	z	11	12	36			6116	24°N 141 1/2°E Volcano Island O=10 47 40

Date	Phase	Comp	G.C.T. h	m	s	T(±)	A	KM	Remarks
Feb 23	eL	z	19	05	35				
Feb 24	eL	z	13	15	09			10560	45°N 99°E Outer Mongolia O=12 27 06
Feb 24	iL	z	21	30	06			945	15 1/2°S 172 1/2°W Tonga Island Region O=21 25 18
Feb 25	eLR	z	02	28	11			7728	51 1/2°N 179 1/2°E Rat Island, Aleutians O=01 56 40
Feb 25	eL	z	15	16	54			3225	6°S 151 1/2°E New Britain O=15 02 08
Feb 26	eL	z	17	22	44			7895	50°N 155 1/2°E Kurile Island O=16 50 46
Feb 27	iP	z	23	39	03	8+	6	7673	21°N 120°E
	iPcP	z	23	39	17	8+	6		Batan Island Region
	iS	n	23	48	11	12-	5		O=23 27 49
	eScS	z	23	48	48				
	e		23	49	12				
	eSS	z	23	52	33				
	eLR	z	24	00	33				
Feb 28	iP	z	03	12	43	4+	10		Fiji ?
Feb 28	eP	z	06	06	44				Fiji?
	i	z	06	07	10	3+	1		
Feb 28	eL	z	10	59	41			15630	27°N 44°W Mid Atlantic Ocean O=09 54 53
Feb 28	eL	z	11	44	06				
Mar. 1	iP	z	06	26	10	8+	3	945	17°S 172 1/2°W
	i	z	06	26	28	8+	2		Tonga Island
	iS	z	06	27	51	6-	2		O=06 23 58
	i		06	28	10	5-	2		
	iLR	z	06	28	38				

Date	Phase	Comp	G.C.T. h	m	s	(T±)	A	KM	Remarks
Mar 1	eL	z	09	52	11			11120	13 1/2S 76 1/2°W Coast of Peru O=09 05 40
Mar 1	eL	z	16	19	57			890	17°S 173°W Tonga Island Region O=16 16 01
Mar 1	eL	n	22	28	55				
Mar 3	eP	z	04	08	50			1112	14 1/2°S 168 1/2°E
	eL	z	04	11	13				New Hebrides O=04 06 16
Mar 3	eL	z	11	08	07			778	20°S 174 1/2°W Tonga Island O=11 04 49
Mar 3	e(S)	z	16	40	15			8284	55 1/2°N 166 1/2°E
	e	z	16	49	31				Komandorskie Island
	e(LR)	z	16	51	30				Mag 6 1/4 - 6 1/2 O=16 18 17
Mar 3	e(S)	z	17	54	45			8284	55 1/2°N 166°E
	eLR	z	18	05	56				Komandorskie Island O=17 32 47
Mar 6	eP	z	16	55	04				
Mar 7	eL	z	08	49	33			6450	9 1/2°N 126°E N.E. Coast of Mindanao O=08 21 23
Mar 7	i		17	34	00				
Mar 9	eL	z	07	42	09			3503	6 1/2°S 148°E N. Coast of New Guinea O=07 23 51
Mar 9	iP	z	10	26	10	15+	6	1779	34°S 178°W
	iS	z	10	29	03	15+	6		Kermadec Region
	iL	z	10	29	33				O=10 22 25
Mar 11	eP	z	00	36	54			7506	25 1/2°N 125°E
	iPcP	z	00	37	10	10-	22		Ryukyu Islands
	iS	z	00	46	01	30-	25		h = 60km
	iLR1	z	00	58	41				Mag 7
	eLR2	z	02	44	25				O=00 25 56
	eLR3	z	03	46	20				
	eLR4	z	05	55					
	eLR 5	z	06	53					

Date	Phase	Comp	G.C.T. h	m	s	(T±)	A	KM	Remarks
Mar 11	iP	z	14	02	09	8+	8	1334	13°S 167°E
	iS	z	14	04	45	6+	9		New Hebrides
	iLR	z	14	05	11				O=13 59 00
Mar 18	eLR	z	22	50	42			7617	50 1/2°N 173°W
									Fox Island foreshock
									O=22 20 02
Mar 20	iP	z	01	49	14	8+	2	7673	51°N 173°W
	e	z	01	50	14				Fox Island, Aleutians
	e	z	01	54	33				O=01 38 04
	e	z	01	55	40				
	eS	z	01	58	18				
	e	z	02	01	28				
	eSS	z	02	02	30				
	eLR1	z	02	08	51				
	eLR2	z	03	55	20				
Mar 20	iP	z	14	51	34	10-	5	2057	10°S 161°E
	eS	z	14	55	10				Solomon Islands
	eLR	z	14	56	28				O=14 47 05
Mar 20	eL	z	17	26	54				
Mar 22	eLR	z	06	25	30			1390	Kermadec Island Region
									O=06 18 54
Mar 22	eP	z	14	05	49			1150	New Hebrides Region
	eS	z	14	07	58				
	eLR	z	14	08	24				
Mar 23	eLR	z	10	47	03			7506	18°N 120°E
									N.W. Coast of Luzon, P.I.
									O=10 14 42
Mar 24	iP	z	00	58	09	6-	4	923	21°S 170 1/2°E
	eS	z	01	00	26	9+	12		Loyalty Islands Region
									O=00 55 55
Mar 24	eL	z	08	12	50				
Mar 24	eP	n	21	48	58			923	21 1/2°S 170 1/2°E
	eS	n	21	50	39				Loyalty Islands Region
	eL	n	21	50	58				O=21 46 31
Mar 25	e	z	08	24	42				Fiji Islands Region
Mar 25	e	z	08	32	27				

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Date	Phase	Comp	G.C.T. h	m	s	T(±)	A	KM	Remarks
Mar 25	eP	z	19	04	23			1167	17 1/2°S 167 1/2°E
	ePP	z	19	04	39				New Hebrides
	e		19	06	29				O=19 01 52
	eLR	z	19	06	46				
Mar 25	eL	z	20	22	14				
Mar 26	eL	z	19	56	18				
Mar 28	iP	z	14	47	21	5+	1	834	20 1/2°S 174°W
	eS	z	14	48	56				Tonga Island
	eLQ	n	14	48	57				O=14 45 22
	eLR	z	14	49	29				
Mar 29	eL	z	06	48	18				
Mar 30	iP	z	22	39	12			723	22°S 176°W
	eL	z	22	40	35				Tonga Island
									O=22 36 53
Apr 3	eL	z	03	47	18				
Apr. 3	eLR	z	09	12	47			11450	1 1/2°N 79°W
									Coast of Ecuador
									O=08 25 43
Apr. 3	eLR	z	12	23	49				
Apr 3	eLR	z	16	14	21				
Apr. 4	iP	z	01	57	20	3-	3		
	e	z	01	58	30				
	i	n	01	58	38	6-	5		
Apr 4	eL	z	02	36	53			3169	5 1/2°S 152°E
									New Britain
									O=02 23 20
Apr 4	eS	z	07	27	45			3169	5 1/2°S 152°E
	eL	z	07	30	36				New Britain
	eP	z	07	23	06				O=07 16 55
Apr 4	eS	z&e	07	40	51			3169	5 1/2°S 152°E
	eLQ	n	07	42	33				New Britain
	eLR	z	07	44	11				O=07 29 55

Date	Phase	Comp	G.C.T. h	m	s	T(±)	A	KM	Remarks
Apr 4	eP	z	15	44	06			3169	5 1/2°S 152°E
	iS	z	15	48	50	28-	4		New Britain
	eLQ	n	15	50	06				O=15 38 03
	eLR	z	15	52	15				
Apr 7	eL	z	11	19	20				
Apr 7	iP	z	15	43	26	22+	4	9619	66 1/2°N 157°W
	iS	e	15	54	08	30+	15		Central Alaska
	eSS	z	15	59	08				Mag 7-7 1/2
	iLQ1	e	16	05	58				O=15 30 38
	iLR	z	16	10	10				
	eLQ2	e	17	22	48				
Apr 7	iS	z	18	24	53	20-	18	7228	38 1/2°N 143°E
	eLQ	e	18	31	39				East Coast of Honshu
	eLR	z	18	34	55				O=18 05 02
Apr 8	eL	z	00	54	10			9674	66 1/2°N 155 1/2°W
									Central Alaska
									O=00 14 20
Apr 10	eL	z	11	44	00				
Apr 10	eLR	z	12	19	52			7228	38 1/2°N 143°E
									East Coast of Honshu,
									Japan
									O=11 50 05
Apr 10	eL	z	17	27	33				
Apr 10	eLR	z	23	47	16			8284	4 1/2°S 107°W
									1000 mi. west of Galapagos
									Mag 6-6 1/4
									O=23 12 47
Apr 11	eP	z	01	08	55			7228	38 1/2°N 142 1/2°E
	eS	z	01	17	51				East Coast of Honshu
	eLR	z	01	27	57				O=00 58 13
Apr 11	eL	z	17	58	35			7784	52°N 174°W
									Andreanof Island
									O=17 27 00

Date	Phase	Comp	h	m	s	(T±)	A	KM	Remarks
Apr. 11	iP	z	23	22	29	12-	2	7784	48°N 152 1/2°E
	ePcP	z	23	22	47				Kurile Island
	iS	z	23	31	28	24-	2		Mag 6 1/2
	e	z	23	39	50				O=23 11 19
	eLR	z	23	43	28				
Apr. 12	eL	z	01	09	04				
Apr 12	eL	z	05	54	33				
Apr 12	eL	z	11	02	13			9063	26 1/2°N 111°W ?
									Gulf of California
									Mag 5 1/2
									O=10 24 55
Apr 12	iPPS	z	12	11	05			9063	26 1/2°N 111°W
			12	18	16				Gulf of California
			12	21	23				Mag 6 1/2
	eLR	z	12	24	27				O=11 46 58
Apr 12	eS	z	13	45	29			7395	25°N 126°E
	eLR	z	13	56	04				Ryukyu
									O=13 25 22
Apr 13	eL	z	09	46	42			9619	66°N 156°W
									Central Alaska
									Mag 6 3/4
									O=09 07 24
Apr 13	iP	z	12	40	37	13-	3		53°N 161°E
	ePP	z	12	43	18				East Coast of Kamchatka
	iS	n	12	50	04	14-	3		O=12 29 07
	e	z	12	58	45				
	eLR	z	13	01	54				
Apr 14	eL	z	03	21	08				47°N 152°E
									Kurile Island
									O=02 49 41
Apr 14	ePP	z	21	50	18			11340	1°N 79 1/2°W
	eSKS	z	21	57	00				Coast of Ecuador
	iPS	z	21	59	42	28-	7		Mag 6 3/4 - 7
	iSS	z	22	05	18	28-	7		O=21 32 28
	iSKKS	z	22	09	06	32-	7		
	eLR	z	22	19	45				

Date	Phase	Comp	G.C.T. h	m	s	(T±)	A	KM	Remarks
Apr 15	eLR	z	02	17	49			11340	1°N 79 1/2°W Coast of Ecuador Mag 6 3/4 O=01 30 43
Apr 15	ePS	z	04	19	20			11176	9°N 84°W West coast of Costa Rica O=03 52 39
	eSS	z	04	24	56				
	e	z	04	34	10				
	eLR	z	04	37	35				
Apr 16	e	z	06	27	44				
	e	z	06	29	31				
Apr 17	eL	z	02	15	43			2947	6°S 154°E Solomon Island Region O=02 01 26
Apr 17	eL	z	02	28	53				
Apr 17	eL	z	06	34	32			2836	6°S 155°E Solomon Islands O=06 21 43
Apr 17	eP	z	10	10	51			3169	5 1/2°S 152°E New Britain O=10 04 46
	eS	z	10	15	39				
	eLR	z	10	18	58				
Apr 17	eLR	z	12	02	35			7006	37°N 145 1/2°E East Coast of Honshu, Japan O=11 32 48
Apr 18	e	z	07	34	35				
	i	e	07	34	41	6-	9		
Apr 19	eLR	z	04	40	50				26 1/2°N 110 1/2°W Gulf of California Mag 6 O=04 03 26
Apr 19	iP	z	10	55	30	3+	2	(1112)	(Santa Cruz Island
	iP	e	10	55	31	5-	4		Region)
	eLR	z	10	57	28				
Apr 20	eL	z	09	58	06				
Apr 20	eL	z	12	42	19				

Date	Phase	Comp	G.C.T. h	m	s	(T±)	A	KM	Remarks
Apr 21	iP	z	20	16	35	22-	15	778	15°S 174 1/2°W
	iS	n	20	17	58	24-	32		Samoa Mag 6 1/2 O=20 14 47
Apr 21	eP	z	22	48	54			8118	4 1/2°S 104°E
	e	z	22	52	40				Sumatra
	e	z	22	54	23				Mag 6 1/2
	eS	z	22	58	06				O=22 37 18
	eL	z	23	13	20				
Apr 22	eL	z	00	16	08				
Apr 22	eP	z	05	40	54			778	15°S 1741/2°W
	e	z	05	42	26				Samoa Region O=05 39 07
Apr 23	eP	z	03	08	43			7450	45°n 152°E
	ePP	z	03	11	31				Kurile Island
	eS	z	03	17	52				O=02 57 40
	eLR	z	03	28	07				
Apr 23	eP	z	15	13	07			612	15 1/2°S 176°W
	iLR	z	15	14	28				Fiji Island Region O=15 11 39
Apr 23	eL	z	19	26	07			3114	4 1/2°S 153°E New Britain h = 100km O=19 12 36
Apr 24	iP	z	13	11	57	6+	6	945	22°S 170 1/2°E
	iS	z	13	13	58				Loyalty Island
	eLR	z	13	14	07				O=13 09 41
Apr 24	iP	z	17	23	30	6+	2	945	22°S 170 1/2°E
	iS	z	17	25	30	10+	2		Loyalty Island aftershock
	iLR	z	17	25	41				O=17 21 10
Apr 24	eLR	z	17	44	46				
Apr 24	eLR	z	20	46	43				
Apr 25	eLR	z	00	50	00				
Apr 25	eLR	z	20	22	10				

Date	Phase	Comp	G. C. T. h	m	s	(T±)	A	KM	Remarks
Apr 26	eP	z	01	16	22			1001	22°S 170°E
	eLR	z	01	18	04				Loyalty Islands
									O=01 13 34
Apr 26	iP	z	09	28	49	3+	5	1223	15°S 167 1/2°E
	iS	z	09	30	53	8-	8		New Hebrides
	eLR	z	09	31	25				O=09 25 47
Apr 27	eLR	z	19	36	01			7673	52 1/2°N 169°W
									Fox Island, Aleutians
									O=19 03 50
Apr 28	eLR	z	12	35	12			11454	11°S 74°W
									Peru
									Mag 6 1/2
									O=11 47 40
May 1	iP	z	00	32	03	14+	17	1279	13 1/2°S 167 1/2°E
	i	z	00	32	51	21-	30		New Hebrides
	iS	z	00	34	22	23-	54		Mag 6 1/4
									h = 200km
									O=00 29 15
May 3	eL	z	09	08	41				
May 3	I	z	23	05	30	6+	1		
	iL	z	23	06	39				
May 4	e	z	00	04	49				
	eL	z	00	06	18				
May 4	eL	z	10	06	22				
May 4	eLR	z	16	47	40				
May 4	eP	z	20	03	57				
May 5	eLR	z	07	37	40			15510	9 1/2°S 27 1/2°E
									Belgian Congo
									O=06 31 39
May 5	eLR	z	08	27	23				
May 5	eLR	z	08	35	53				
May 5	e	z	14	54	07				

Station: Suva, Fiji

Date	Phase	Comp	G. C. T. h	m	s	T(±)	A	KM	Remarks
May 5	eL	z	17	18	54				
May 6	eLR	z	00	31	46				57 1/2°N 136 1/2°W
									Coast of S.E. Alaska
									O=23 53 29 on 5/May
May 6	eL	z	05	22	15				
May 6	eL	z	15	15	17				
May 6	eL	z	16	19	06				
May 7	e	z	00	45	47				
	e	z	00	46	29				
May 8	eL	z	05	05	32				
May 8	eL	z	08	10	09				
May 9	eP	z	18	44	29			(890)	
	e	z	18	44	47				
	eL	z	18	46	30				
May 9	eL	z	23	43	14				
May 10	eL	z	17	49	12				
May 10	eLR	z	23	34	10			9563	65°N 152 1/2°W
									Central Alaska
									Mag 6 1/2
									O=22 54 40
May 11	eLR	z	06	03	21			9563	65°N 152 1/2°W
									Central Alaska
									Mag 6 1/2
									O=05 23 54
May 11	eL	z	18	04	57				
May 13	eL	n	14	52	10				
May 14	eS	z	04	08	58				4 1/2°S 153°E
	eLR	z	04	11	59				New Ireland
									O= 03 58 09
May 15	eL	z	04	44	19			(723)	Tonga Islands
									O=04 40 54

Date	Phase	Comp	G.C.T. h	m	s	T(±)	A	KM	Remarks
May 15	eLR	z	04	56	55			7784	51 1/2°N 173 1/2°W Andreanof Islands Aleutians O=04 24 50
May 15	eL	z	06	25	00				
May 15	eLR	z	07	09	14			1612	11 1/2°S 165°E Santa Cruz Islands O=07 01 56
May 15	eP	z	09	47	00			1390	13°S 166 1/2°E
	eS	z	09	50	00				New Hebrides
	eLR	z	09	50	12				O=09 43 46
May 15	eP	z	15	49	05			1390	13°S 166 1/2°E
	eLR	z	15	52	19				New Hebrides O=15 45 53
May 15	eL	z	19	18	11				
May 17	eL	z	04	25	09				
May 17	eP	z	07	09	13			3725	3°S 147 1/2°E
	ePP	z	07	10	31				Bismark Sea
	ePPP	z	07	10	59				O=07 02 25
	iS	e	07	14	33	20+	5		
	eLQ	e	07	17	54				
	eLR	z	07	19	08				
May 17	eLR	z	16	10	02				
May 17	eLR	z	17	04	03				
May 17	iP	z	17	45	40	2-	1	723	18 1/2°S 174 1/2°W
	eLR	z	17	47	28				Tonga Island O=17 43 45
May 18	iP	z	02	36	01	8-	3	1334	13°S 167°E
	iS	z	02	38	28	16-	40		New Hebrides
	iLR	z	02	39	09				Mag 6 1/2 O=02 32 52
May 18	eP	z	03	34	27			1334	13°S 167°E
	eS	z	03	36	56				New Hebrides
	eLR	z	03	37	42				O=03 31 18

Date	Phase	Comp	G.C.T. h	m	s	T(±)	A	KM	Remarks
May 18	iP	z	05	29	51	8+	3	1334	13°S 167°E
	eS	z	05	32	14				New Hebrides
	eLR	z	05	32	52				h = 60km O=05 26 44
May 18	eP	z	09	10	09			1334	13°S 167°E
	eS	z	09	12	29				New Hebrides
	eLR	z	09	13	10				
May 18	eP	z	11	46	02			1334	13°S 167°E
	eS	z	11	48	23				New Hebrides
	eLR	z	11	49	01				
May 18	iP	z	12	24	26	10+	3	1334	13°S 167°E
	iS	z	12	26	56	16-	13		New Hebrides
	iLR	z	12	27	34				Mag 6 1/4 O=12 21 18
May 18	eLR	z	15	24	22				
May 19	eP	n	00	09	18			1334	13°S 167°E
	iS	n	00	11	43	16+	5		New Hebrides
	iLR	e	00	12	24				O=00 06 00
May 19	eL	z	12	55	06				
May 20	eL	z	00	23	06				
May 20	iP	z	05	46	32			778	25°S 180°
	iS	z	05	47	56	18+	6		South of Fiji h = 550km O=05 44 47
May 20	eLR	z	16	36	46				
May 20	e	z	19	16	26				
	e	z	19	18	57				
	eL	z	19	20	41				
May 21	eL	z	05	18	48				
May 22	eL	z	04	51	29				
May 22	eL	z	05	52	09				
May 22	ePP	z	15	16	22			3892	3°S 146°E
	eS	z	15	20	24				Bismark Sea
	eLR	z	15	25	08				O=15 08 00

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Date	Phase	Comp	G.C.T. h	m	s	T(±)	A	KM	Remarks
May 23	eL	z	07	46	35				
May 24	eLR	z	07	51	11				
May 24	eL	z	10	17	18				
May 25	eS	z	00	56	13			7673	51°N 177°W
	(ePKKP)	z	01	05	35				Andreanof Islands
	eLR	z	01	07	04				O=00 35 23
May 25	eP	z	15	05	50			7784	51 1/2°N 177°W
	eS	z	15	15	20				Andreanof Islands
	eSS	z	15	19	13				O=14 54 30
	eLR	z	15	19	13				
May 25	iP	z	16	56	23	8-	1	890	14 1/2°S 174°W
	eS	z	16	58	04				Samoa Island Region
	eLR	z	16	58	23				O=16 54 26
May 25	ePPS	z	21	39	44			11450	3°S 77°W
	eSS	z	21	44	29				Ecuador - Peru Border
	eLR	z	21	59	07				h=100km
									Mag 6 1/2
									O=21 11 45
May 26	eLR	z	05	01	11				
May 26	eLR	z	09	37	03			11450	3°S 77°W
									Ecuador-Peru aftershock
									h=100km
									O=08 49 47
May 26	eP	z	11	07	55			8006	53°N 169 1/2°W
	eLR	z	11	28	45				Fox Island, Aleutians
									Mag 5 3/4
									O=10 56 30
May 26	iP	z	16	19	33	7+	2	333	17 1/2°S 178 1/2°W
	iS	z	16	20	39	8+	6		Fiji Islands
									h=600km
									O=16 18 10
May 27	eL	z	11	41	38				
May 27	iP	z	23	39	27	6+	1	3781	5 1/2°S 146°E
	eS	z	23	44	46				North Coast of New Guinea
	ePcS	z	23	45	36				
	eLR	z	23	49	03				O=23 32 43

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Date	Phase	Comp	G.C.T. h	m	s	T(±)	A	KM	Remarks
May 28	eL	z	02	28	15			3225	New Ireland Region
									O=02 14 11
May 29	iP	z	00	05	43	4-	1		
	i	z	00	06	03				
May 29	eLR	z	07	40	32			9952	16 1/2°N 97 1/2°W
									Oaxaca, Mexico
									O=06 59 11
May 29	eL	z	15	11	23				
May 30	iP	z	05	18	50	5+	1	(940)	Samoa Region
	e	z	05	20	43				
May 30	iP	z	18	16	21	6+	2	7895	52 1/2°N 169°W
	e(PcS)	z	18	21	02				Fox Island, Aleutians
	eS	z	18	25	36				Mag 6 1/4
	eLR	z	18	37	17				O=18 04 50
May 31	eL	z	09	44	01				
May 31	eL	z	14	20	57				
May 31	iP	z	19	35	02	(off scale)		1056	15°S 169°E
	iS	z	19	37	02				New Hebrides
	eLR2	z	22	20	20				Mag 7 1/2
	eLR3	z	22	36	00				O=19 32 30
June 1	eL	z	01	02	06				
June 3	iP	z	19	34	22	20-	70	1168	15°S 168°E
	iS	z	19	36	43	25+	63		New Hebrides
									Mag 6 3/4
									O=19 31 52
June 4	eS	z	14	50	39			8007	52 1/2°N 167°W
	eScS	z	14	51	19				Fox Island, Aleutians
	eSS	z	14	55	27				Mag 6 1/4
	eLR	z	15	02	15				O=14 29 50
June 5	eP	z	08	24	39			1557	10 1/2°S 166°E
	eS	z	08	27	54				Santa Cruz Islands
	eLR	z	08	28	33				O=08 21 07
June 5	eL	z	11	09	21				

Date	Phase	Comp	G.C.T. h	m	s	T(±)	A	KM	Remarks
June 6	eP(diff)	z	09	25	03			11010	8°N 85°W
	ePP	z	09	29	08				Coast of Costa Rica
	ePS	z	09	37	52				Mag 6 3/4
	eSS	z	09	43	36				O=09 11 18
	e	z	09	53	12				
June 6	ePS	z	19	42	11			11180	5 1/2°N 82 1/2°W
	eSS	z	19	48	05				South of Costa Rica
	eSSS	z	19	51	38				Mag 6
	eLR	z	20	01	46				O=19 15 28
June 6	eL	z	23	23	03			8840	19°N 111°W
									Reville Gigedo Island
									O=22 46 20
June 7	eP	z	13	03	24			5115	53°S 140°E
	ePPP	z	13	05	54				South of Tasmania
	eS	z	13	10	07				O=12 55 01
	eLR	z	13	16	01				
June 8	eP	z	00	46	24			(889)	(Samoa Region)
	e	z	00	48	07				
	eLR	z	00	48	18				
June 8	eS	z	01	00	02			8062	53°N 167°W
	eLR	z	01	11	28				Fox Island, Aleutians
									O=00 38 52
June 8	eL	z	13	38	04				
June 9	eLR	z	16	31	40			8006	52 1/2°N 168°W
									Fox Island, Aleutians
									O=15 59 00
June 10	eLR	z	00	43	04			8062	53°N 167°W
									Fox Island, Aleutians
									O=00 10 30
June 10	eP	z	04	03	14			1446	30 1/2°S 177°W
	eS	z	04	05	41				Kermadec Islands
	eLR	z	04	06	14				O=04 00 04
June 11	eL	z	03	49	24				
June 11	eP	z	07	58	07				Fiji Region
	e	z	07	58	37				

Station: Suva, Fiji

Date	Phase	Comp	G.C.T. h	m	s	T(±)	A	KM	Results
June 12	e(S)	z	18	10	19				
	eLR	z	18	12	05				
June 12	eLR	z	21	25	13			8062	53°N 167°W
									Fox Island, Aleutians
									O=20 52 57
June 13	eLR	z	08	59	08			890	15°S 173 1/2°W
									Samoa Islands
									O=08 54 51
June 13	e	z	11	15	25				
	eLR	z	11	23	25				
June 14	eL	z	12	04	18				
June 15	iP	e&z	14	55	56	7+	6	334	18°S 178°W
	iS	n	14	56	58	10+	63		Fiji Islands
									Mag 6 1/4
									h = 600km
									O=14 54 37
June 15	eL	n	17	33	38			3169	9 1/2°S 150°E
									North Coast of New Guinea
									O=17 20 56
June 16	iP	z	08	14	28	20-	5	556	14 1/2°S 177 1/2°W
	eS	z	08	15	38				Fiji Islands Region
	iLR	z	08	15	52				O=08 13 07
June 16	iP	z	18	54	14	7+	5		
	iS	z	18	55	20				
June 17	eLR	z	00	04	35				
June 17	eS	z	19	23	56				25°N 142 1/2°E
	eScS	z	19	26	10				Volcano Islands
	eLR	z	19	32	03				h=60KM
									O=19 06 43
June 18	eLR	z	02	14	42			14345	68 1/2°N 16°W
									North Coast of Iceland
									O=01 15 02
June 18	eL	z	16	42	08				

Date	Phase	Comp	G.C.T. h	m	s	T(±)	A	KM	Remarks
June 19	eP	z	05	29	17			7840	49 1/2°N 156°E
	eS	z	05	38	32				Kurile Islands
	eSS	z	05	43	10				Mag 6 1/2
	eSSS	z	05	46	39				O=05 18 00
	eLR	z	05	49	53				
June 19	eL	z	07	53	01				
June 19	eLR	z	08	58	11				
June 19	eLR	z	13	16	37				
June 19	eL	z	13	47	25				
June 19	eP	z	18	10	38			5004	52 1/2°S 140°E
	eS	z	18	17	26				South of Tasmania
	eLR	z	18	23	07				O=18 02 15
June 19	eL	z	20	10	09				
June 20	iP	z	00	50	08	12+	3	945	16°S 173°W
	eS	z	00	51	51				Samoa Island Region
	LR	z	00	52	34				O=00 47 58
June 20	iP	z	17	34	00	6+	5	445	20 1/2°S 179°W
	iS	z	17	35	09	6-	3		Fiji Islands Region
									h = 600km
									O=17 32 36
June 21	eLR	z	02	02	43				
June 23	eLR	z	05	55	10			10560	49°N 102°E
									Outer Mongolia
									O=05 10 03
June 23	iP	z	07	21	52	7+	1	1112	15 1/2°S 168 1/2°E
	eS	z	07	23	52				New Hebrides
									O=07 19 02
June 23	iP	z	18	54	49	7+	2	445	18°S 178°W
	eS	z	18	55	55				Fiji
									h=650km
									O=18 53 23

Date	Phase	Comp	G.C.T. h	m	s	T(±)	A	KM	Remarks
June 23	iP	z	19	19	11	8+	2	445	18°S 178°W
	eS	z	19	20	16				Fiji
									h= 650 km
									O=19 17 43
June 24	eLR	z	00	40	00			7228	8 1/2°S 112°E
									Coast of Java
									h=200km
									O=00 09 18
June 24	e	z	07	12	34				
	eLR	z	07	15	55				

INTERNATIONAL DAYS - MICROSEISMIC DATA

Hour			00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1957	Comp.																									
Dec.13	N	mic	10	9.1	10	10	11.7	11.8	9.2	10.5	10.6	10	11.6	11	10.2	10.3	10.4	10	11.1	12.8	9.5	11	8	-	-	-
Kc		sec	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-	-	-
	E	mic	9.5	10.4	9.8	12.1	12.3	9.6	-	-	11	-	-	11	9.4	9.9	9.9	11.5	-	-	-	-	-	-	-	-
		sec	6	6	6	6	6	6	-	-	6	-	-	6	6	6	6	6	-	-	-	-	-	-	-	-
Dec.16	N	mic	-	-	7.1	6.7	7.2	6.8	7	6.2	7.2	7	6.5	5.9	6.3	6	6.9	6.6	6.4	6.6	6.8	-	-	-	5.7	6.4
Kc		sec	-	-	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-	-	-	6	6
	E	mic	-	-	3	3.5	3.5	3.1	3	3.3	3.4	3	2.9	2.7	2.9	3.1	3.1	3.3	3	3	3	-	-	-	3.5	4
		sec	-	-	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-	-	-	6	6
Dec.21	N	mic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kc		sec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	E	mic	4.4	4.2	4.3	4	4.7	4.5	4.1	4.3	4.3	4.1	4.4	4.4	4.6	4.9	4.2	4.3	4.5	4.6	4.8	5	-	-	-	-
		sec	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-	-	-	-
Dec.22	N	mic	-	-	-	7	7	6.3	6.5	6.9	5.9	5.5	5.9	5.3	4.8	4.9	5.3	5	5.2	6	5.1	5	5.4	4.7	-	4.7
Kc		sec	-	-	-	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-	6
	E	mic	-	-	-	4.6	5.4	4.5	4.4	4.2	4.3	4.2	3.5	4.4	3.8	4.2	4.2	3.4	3.8	3.7	3.6	3.7	3	3	-	3
		sec	-	-	-	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-	6
1958																										
Jan. 3	Z	mic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kc		sec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	N	mic	7.3	8.1	7.2	7.8	8	9.1	8.8	7.8	8.6	7.6	7.5	6.8	8.2	7.2	6.4	6.4	7	6.6	6.1	6.6	6.3	-	-	-
		sec	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-	-	-
	E	mic	3.6	3.3	3.6	3.7	3.7	3.8	3.5	4	3.8	3.2	3.6	3.4	3.1	3	3.3	3.1	3.1	3.2	3.4	3.1	3	-	-	-
		sec	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-	-	-
Jan. 4	Z	mic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kc		sec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	N	mic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		sec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	E	mic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		sec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jan.19	Z	mic	5.6	5.2	4.1	4.9	4.6	4.7	4.4	4.0	3.7	3.6	4.2	3.8	3.4	4.1	3.3	-	-	-	3.5	3.5	3.8	-	3.4	-
Kc		sec	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-	-	-	6	6	6	-	6	-
	N	mic	11.5	12.1	11.3	11.2	10.6	12.9	11.1	10.6	10.2	11.6	11.6	11.7	10.7	11.7	9.8	-	-	-	10.4	11.4	10.3	-	10.8	9.8
		sec	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-	-	-	6	6	6	-	6	6
	E	mic	12.1	14.0	-	-	-	-	-	14.2	12.9	12.6	11.8	12.2	12.4	11	10.8	-	-	-	13.2	12.2	11.8	-	-	-
		sec	6	6	-	-	-	-	-	6	6	6	6	6	6	6	6	-	-	-	6	6	6	-	-	-
Jan.20	Z	mic	3.4	3.2	3.4	2.7	3.2	2.9	3.4	3.4	2.7	3.6	3.0	3.3	3.4	-	-	3	3.2	3.2	2.8	2.9	3.1	2.5	-	-
Kc		sec	6	6	6	6	6	6	6	6	6	6	6	6	6	-	-	6	6	6	6	6	6	6	-	-
	N	mic	10.2	10.1	10.1	9.5	12.1	12.2	9.6	10	11.8	9.1	9.2	10.8	9.6	9.7	9	9.6	10.7	9.8	10.8	10.6	8.8	-	-	-
		sec	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-	-	-
	E	mic	-	-	-	-	-	-	-	-	10.9	11	11.1	10.7	10.2	10.8	10.2	10.4	9.8	9.7	10.7	10.2	9.1	9.2	-	-
		sec	-	-	-	-	-	-	-	-	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-	-
Feb.10	Z	mic	0.9	0.8	0.8	0.9	0.9	0.9	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	0.9	0.9	0.9	1.0	0.9
Kc		sec	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	N	mic	5	4.4	4.5	4.4	4.3	4.3	4.6	4.9	4.4	4.4	4.3	4.6	4.6	4.4	4.4	4.8	4.3	4.3	4.2	4.4	3.9	4.2	4.3	3.5
		sec	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	E	mic	2.2	2.3	2.2	2.3	2.5	2.5	2.5	2.6	2.5	3	3.1	3	2.5	2.5	2.6	2.4	2.4	2.5	2.6	2.4	2.6	2.4	2.4	2.2
		sec	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Feb.18	Z	mic	1.6	1.3	1.1	1.3	1.3	1.3	1.2	1.3	-	-	1.2	1.3	1.3	1.4	-	-	1.5	1.4	1.3	1.3	1.2	-	-	-
Kc		sec	6	6	6	6	6	6	6	6	-	6	6	6	6	6	-	-	6	6	6	6	6	-	-	-
	N	mic	6.4	6.4	6.2	6.8	6.3	7.1	6.9	6.9	-	6.9	8.1	8.1	6.4	6.5	-	7	6.9	6.7	6.6	6.2	6.4	-	-	-
		sec	6	6	6	6	6	6	6	6	-	6	6	6	6	6	-	6	6	6	6	6	6	-	-	-
	E	mic	3	3.5	3.4	3.1	3.5	3.6	3.4	3.5	-	3.4	3.8	3.3	3.4	3.6	-	3.6	3.9	3.9	3.8	3.8	3.5	-	-	-
		sec	6	6	6	6	6	6	6	6	-	6	6	6	6	6	-	6	6	6	6	6	6	-	-	-

INTERNATIONAL DAYS - MICROSEISMIC DATA

Hour			00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1958	Comp.																									
Feb.19	Z	mic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3
Kc		sec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
	N	mic	-	-	3.8	3.5	3.5	3.4	3.8	3.4	3.5	3.8	3.6	3.2	3.6	3.9	3.5	3.9	3.2	3.4	3.4	3.7	4	3.6	4	3.8
		sec	-	-	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	E	mic	-	-	2.3	2.2	2.3	2.5	2.5	2.5	2.7	2.5	2.4	2.7	2.6	2.5	3.2	3	2.9	2.7	2.6	2.5	2.4	2.6	2.5	2.7
		sec	-	-	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Feb. 26	Z	mic	2.2	2.8	2.3	2.7	2.3	3.1	3.5	2.6	3.4	3.4	3.3	2.9	3.3	3.0	3.6	3.7	3.5	3.9	3.3	3.0	3.2	3.2	2.9	3.4
Kc		sec	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	N	mic	6.8	8.1	9	8.7	6.8	8.1	7.8	9.1	8	8.4	9.3	8.1	8.7	8.7	8.8	8.9	8.9	10.6	8.9	9.1	8	8.6	9.1	8
		sec	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	E	mic	5	4.9	5.1	5.4	5.9	5.8	5.4	6.4	6.1	5.8	5.8	6	6.4	6.5	6.9	6.4	5.8	6.7	6.3	6.7	-	6.6	5.9	6
		sec	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-	6	6	6
Mar.20	Z	mic	1.6	1.6	-	-	1.7	1.5	1.6	1.6	1.6	1.6	1.5	1.5	1.6	1.5	1.7	-	1.6	1.7	1.6	1.6	1.5	1.5	-	-
Kc		sec	6	6	-	-	6	6	6	6	6	6	6	6	6	6	6	-	6	6	6	6	-	6	-	-
	N	mic	2.5	2.8	2.8	2.7	2.8	2.5	2.7	2.7	2.8	2.5	2.7	2.4	2.5	2.7	2.7	-	2.6	3.2	2.7	2.5	2.3	-	-	3.1
		sec	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-	6	6	6	6	6	-	-	6
	E	mic	3.5	3.5	4.1	4.2	3.5	3.7	4	4.2	3.5	3.6	3.4	3.9	3.9	3.7	3.7	-	4.1	4	3.8	3.7	-	-	-	4.4
		sec	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-	6	6	6	6	-	-	-	6
Mar.21	Z	mic	-	1.6	1.7	1.9	1.9	2.0	1.8	1.8	1.9	1.9	2.2	2.1	2.4	2.2	2.2	2.2	2.5	2.6	2.6	2.9	2.9	2.7	2.3	-
Kc		sec	-	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-
	N	mic	2.8	3	3.1	3.2	3.4	3	3.5	3.1	3.9	3.4	3.4	3.1	3.5	3.3	3.5	3.5	3.6	3.7	3.5	3.8	3.9	3.6	4	4.8
		sec	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	E	mic	4.2	4.1	4.5	4.4	4.1	4.4	4.2	3.9	4	4.3	4.3	4.1	4.9	4.6	4.7	4.9	4.6	4.6	5.8	5.3	5.3	6.6	5.9	5.9
		sec	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Mar.28	Z	mic	-	-	-	-	-	0.9	0.8	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	-	1.0	1.0	1.1	1.0	1.2	1.1	0.9	-
Kc		sec	-	-	-	-	-	6	6	6	6	6	6	6	6	6	6	-	6	6	6	6	6	6	6	-
	N	mic	2.1	2.3	2	2.1	2.1	2.1	2	2.1	2.2	2.1	2.1	2.2	2.2	2.3	2.3	-	2.6	2.6	2.4	2.6	2.5	2	2.4	2.6
		sec	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-	6	6	6	6	6	6	6	3
	E	mic	3.9	3.3	3.3	3.3	3.1	3.5	3	3.2	3.2	3.2	3.3	3.3	3.5	3.4	3.3	-	3.2	4.2	3.4	2.5	3.4	3.3	4.2	3.8
		sec	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-	6	6	6	6	6	6	6	6
Apr.18	Z	mic	1.2	1.1	1.0	1.0	1.1	1.2	0.9	1.1	1.1	1.2	0.9	1.1	0.9	1.0	0.8	0.7	0.9	0.9	0.8	0.8	0.9	0.6	0.9	0.9
Kc		sec	5.8	5.8	5.7	5.7	5.6	5.6	5.5	5.6	5.5	5.4	5.4	5.5	5.4	5.6	5.8	5.7	5.7	5.8	5.8	5.7	5.6	5.1	5.6	4.7
	N	mic	2.9	2.2	2.5	2.8	2.4	3.5	3.7	2.6	2.4	2.5	2.3	2.1	2.3	2.7	3.2	2.4	2.3	2.6	2.7	2.6	2.1	2.1	2.3	3.3
		sec	5.2	5.4	5.6	5.5	5.6	5.5	5.4	5.3	5.0	5.3	5.6	5.4	5.2	5.6	5.6	5.1	5.6	5.0	5.2	5.0	5.2	5.2	4.8	5.5
	E	mic	2.6	3.4	2.4	2.3	3.3	3.2	2.9	2.8	3.3	3.2	4.1	3.2	3.2	3.0	2.6	3.2	3.6	2.9	2.8	2.7	2.5	2.2	2.7	3.2
		sec	5.4	5.4	5.4	5.4	5.4	5.2	5.0	5.0	5.0	5.0	5.0	5.2	5.5	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.3	5.4	5.1	4.6
Apr. 19	Z	mic	0.6	0.7	0.7	0.6	0.7	1.1	0.8	0.7	0.9	0.9	0.9	-	0.7	0.9	0.7	0.6	0.7	0.9	-	-	-	-	1.2	0.9
Kc		sec	5.3	5.2	5.1	5.0	4.8	5.1	5.4	5.2	5.1	5.3	5.4	-	5.1	5.4	5.6	5.1	5.1	5.4	-	-	-	-	5.0	4.8
	N	mic	2.2	1.8	1.9	2.3	2.3	2.9	2.9	2.3	2.5	2.3	2.6	-	2.6	2.4	2.6	2.3	2.4	2.7	2.4	2.8	2.6	-	2.6	2.2
		sec	5.2	5.1	5.0	5.3	5.6	5.6	5.6	5.7	5.9	5.2	5.8	-	5.8	5.6	5.4	5.2	5.0	4.9	4.8	4.7	4.6	-	4.7	4.7
	E	mic	2.3	3.2	2.9	2.6	2.3	2.3	1.6	3.0	2.5	2.7	2.2	-	2.4	2.1	2.4	3.1	2.9	2.8	3.0	2.6	3.7	-	3.2	3.5
		sec	5.8	5.5	4.8	5.0	5.2	5.2	5.2	5.0	4.8	4.8	4.8	-	5.2	5.2	5.2	5.2	5.2	4.9	4.6	4.8	5.0	-	4.8	5.0
Apr.20	Z	mic	1.0	1.0	1.2	1.1	0.9	1.1	0.9	0.9	0.9	0.9	-	0.9	1.2	1.4	0.9	0.7	0.8	1.2	0.9	1.5	1.1	-	0.9	0.9
Kc		sec	4.8	5.2	5.3	5.4	5.0	4.6	5.0	5.4	5.2	5.0	-	5.4	5.2	5.0	5.0	5.0	4.8	5.0	5.0	5.0	5.8	-	5.4	5.4
	N	mic	3.1	3.2	2.7	2.7	2.1	2.5	2.6	2.3	2.7	2.7	-	2.6	2.2	2.9	2.4	2.7	2.2	2.7	3.1	2.9	2.6	2.2	2.2	2.9
		sec	4.7	4.8	4.8	4.9	5.0	4.9	4.9	5.0	5.2	5.0	-	5.0	4.8	4.6	4.8	5.0	4.9	4.8	5.0	5.2	5.3	5.4	5.2	5.1
	E	mic	3.7	4.5	2.7	3.3	3.7	3.8	3.2	3.5	2.8	3.4	-	4.2	3.7	3.2	3.2	2.7	3.3	3.4	3.3	3.7	3.2	2.1	3.3	3.4
		sec	4.8	4.7	4.6	5.0	5.2	5.3	5.0	4.7	4.9	4.8	-	4.6	5.2	5.0	4.9	5.0	5.0	4.8	4.6	5.0	5.4	5.4	5.2	5.6

INTERNATIONAL DAYS - MICROSEISMIC DATA

Hour			00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1958	Comp.																									
May 5	Z	mic	1.0	1.0	0.9	1.0	0.9	0.9	0.8	0.9	0.9	1.0	1.0	0.9	0.9	0.9	0.8	0.8	0.9	0.9	0.9	0.8	0.9	0.8	0.5	0.6
Kc		sec	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	N	mic	1.5	1.5	1.6	1.5	1.6	1.5	1.5	1.6	1.6	1.5	1.5	1.5	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.3	1.6	1.5
		sec	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	E	mic	1.2	1.2	1.2	1.3	1.2	1.2	1	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1	1.1	1	1	1	1	1.3	1.3
		sec	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
May 18	Z	mic	0.1	0.3	0.3	-	-	0.3	-	0.1	0.2	0.3	0.3	0.4	0.4	-	-	0.4	0.4	0.4	0.4	0.3	0.3	-	-	-
Kc		sec	4.8	4.8	4.8	-	-	5.2	-	5.3	5.4	5.5	5.6	5.4	5.2	-	-	5.6	5.6	5.7	5.7	5.6	5.6	-	-	-
	N	mic	0.5	0.7	0.6	-	-	0.6	0.5	0.5	0.7	0.7	0.9	1.0	0.7	-	0.9	0.8	0.9	0.8	0.7	1.2	0.6	-	0.4	0.7
		sec	4.6	4.5	4.4	-	-	5.2	4.6	5.0	5.4	5.8	6.2	4.9	5.2	-	5.0	5.0	5.2	5.0	5.6	5.2	5.4	-	5.0	4.8
	E	mic	-	-	-	-	-	-	0.6	1.0	1.1	0.7	1.2	1.3	1.3	-	1.3	1.1	0.9	1.2	0.8	1.8	1.2	-	0.7	0.5
		sec	-	-	-	-	-	-	5.0	5.3	5.0	5.1	5.2	5.9	5.0	-	5.2	5.1	5.0	5.6	5.2	5.1	5.2	-	4.8	5.0
May 19	Z	mic	-	0.3	0.2	0.4	0.5	0.4	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.4	0.2	0.3	0.3	0.3	0.4	0.2	0.2	0.2	0.2	0.2
Kc		sec	-	4.4	5.4	5.4	5.4	5.2	5.0	5.3	5.8	5.4	5.0	4.9	4.8	4.6	5.0	4.8	4.6	5.2	4.8	4.9	5.0	4.8	4.8	4.6
	N	mic	0.6	0.7	0.9	0.7	1.0	0.7	0.8	0.6	1.1	0.8	0.9	0.7	0.9	1.0	0.9	0.9	1.1	0.6	0.7	0.6	0.8	0.6	0.9	0.4
		sec	5.0	4.9	4.8	5.0	5.2	5.1	5.0	4.9	4.6	5.1	5.6	5.5	5.5	5.2	5.0	5.0	5.0	5.1	5.2	5.0	4.8	4.7	5.0	5.0
	E	mic	-	0.7	0.8	1.1	1.2	0.7	1.1	0.9	1.2	1.6	1.3	0.9	0.7	1.3	1.9	0.9	1.3	1.2	1.2	0.8	1.3	1.2	0.8	1.2
		sec	-	4.6	5.0	5.7	5.3	5.0	5.0	4.8	4.8	4.8	5.0	4.8	5.0	5.0	4.9	4.7	4.8	4.8	4.7	4.6	4.8	4.6	5.0	5.2
June 9	Z	mic	0.3	0.5	0.4	0.4	0.2	0.4	0.4	0.3	0.3	0.4	0.2	0.4	0.4	0.2	0.2	0.2	0.3	0.5	0.4	0.3	0.4	0.3	0.4	0.3
Kc		sec	6.2	6.7	5.9	5.7	5.3	5.9	6.0	5.9	6.1	5.9	6.1	5.7	4.9	5.7	6.2	6.2	5.9	5.4	5.6	5.9	5.2	5.8	5.4	5.8
	N	mic	0.8	0.5	0.5	0.6	0.7	0.8	0.7	0.3	0.2	0.3	0.4	0.2	0.6	0.8	0.3	0.4	0.7	0.5	0.7	0.6	0.6	0.5	0.6	0.8
		sec	5.8	5.5	5.7	5.5	5.9	5.4	5.8	5.6	5.4	5.9	6.1	5.7	6.2	5.9	5.1	5.8	5.8	5.8	4.9	6.1	5.1	5.8	5.8	5.6
	E	mic	0.5	1.0	0.8	1.1	1.1	1.7	0.6	1.3	0.8	2.0	1.3	1.3	1.3	1.0	1.5	1.2	1.5	1.0	1.6	1.3	1.6	0.7	1.3	1.1
		sec	5.8	5.6	5.7	5.6	5.2	6.0	6.0	6.3	6.2	5.7	6.2	5.9	5.6	6.2	5.9	5.8	5.5	5.2	5.2	6.1	5.6	5.7	5.7	5.1
June 17	Z	mic	0.4	0.7	0.8	0.5	0.6	0.6	0.3	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.6	0.6	0.3	0.2	0.4	0.2	0.3	-	0.3	0.3
Kc		sec	5.9	7.3	6.4	6.3	6.8	7.2	6.9	8.0	7.1	7.2	7.2	6.4	6.9	6.0	7.0	7.2	7.5	7.4	6.7	6.2	-	-	6.2	6.3
	N	mic	1.9	1.3	1.3	0.8	1.0	0.7	0.9	0.9	1.2	1.3	0.8	1.1	0.5	0.5	1.2	0.7	0.7	0.7	0.3	0.5	0.6	-	0.6	0.5
		sec	5.8	5.2	4.8	5.0	6.2	5.5	5.2	6.5	5.9	6.0	5.6	5.0	5.5	5.0	5.4	6.5	4.9	4.6	4.3	4.7	-	5.6	5.0	5.0
	E	mic	-	-	-	2.0	2.3	1.6	1.3	1.3	1.3	2.0	0.7	1.2	1.6	1.3	1.6	1.3	1.4	1.5	1.3	1.5	1.3	-	-	-
		sec	-	-	-	5.2	4.9	6.5	5.0	5.0	5.0	4.9	4.6	4.5	4.8	4.4	5.6	5.5	6.2	4.5	4.6	5.0	4.8	-	-	-
June 18	Z	mic	0.5	0.2	0.3	0.5	0.4	0.2	0.4	0.3	0.5	0.4	0.5	0.4	0.4	0.5	0.6	0.7	0.4	0.4	0.4	0.4	0.3	-	-	0.7
Kc		sec	6.6	6.7	6.3	6.5	6.7	6.6	5.8	5.5	7.2	6.7	5.9	6.5	6.4	6.7	6.8	6.9	6.4	5.9	6.4	6.1	6.3	-	-	7.9
	N	mic	0.3	1.1	0.7	0.4	1.1	0.9	0.9	0.7	0.9	0.6	0.6	0.7	0.5	0.9	0.4	0.6	0.9	0.7	0.7	0.5	0.8	-	1.3	0.9
		sec	5.0	5.4	4.7	4.9	4.9	5.3	5.0	4.6	5.3	5.1	4.7	5.0	5.1	4.4	5.0	5.7	4.8	5.7	6.2	4.5	4.9	-	5.6	5.4
	E	mic	-	-	-	-	-	-	0.7	1.3	1.2	1.6	1.1	1.2	0.9	1.4	1.3	1.4	1.5	1.7	1.4	1.5	1.3	-	1.4	1.8
		sec	-	-	-	-	-	-	4.7	4.3	5.8	6.3	4.9	4.9	4.6	4.6	4.4	4.9	4.8	5.8	5.2	5.3	5.4	-	4.8	5.9
June 24	Z	mic	-	0.5	0.4	0.3	0.6	0.3	0.4	0.7	0.2	0.3	0.3	0.4	0.2	0.4	0.2	0.3	0.3	0.3	0.2	0.2	0.3	0.4	-	-
Kc		sec	-	7.2	6.5	7.3	7.6	6.9	7.5	7.3	6.9	7.3	7.2	7.3	7.6	7.0	7.0	6.8	6.6	7.0	6.4	7.0	7.3	7.4	-	-
	N	mic	0.7	0.8	0.4	0.3	0.4	0.5	0.5	0.5	0.4	0.4	0.9	0.7	0.4	0.3	0.2	0.5	0.3	0.4	0.6	0.4	0.4	0.2	-	-
		sec	6.8	6.0	6.8	6.7	6.6	6.7	6.8	6.1	6.1	7.4	5.7	7.2	6.8	6.1	5.6	6.8	6.7	5.6	6.0	6.3	5.5	4.7	-	-
	E	mic	0.5	1.3	1.1	1.2	0.9	0.8	0.8	0.8	0.7	1.3	1.1	1.6	1.3	0.8	0.9	0.7	1.1	1.3	0.8	1.0	0.7	0.7	-	-
		sec	-	6.9	6.3	7.0	7.3	7.3	6.8	6.8	6.9	6.9	6.2	6.7	5.8	7.0	7.6	5.6	6.7	6.1	6.4	6.6	6.0	5.6	-	-

INTERNATIONAL PERIODS - MICROSEISMIC DATA

SUVA, FIJI

Hour			00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1957	Comp.																									
Dec.12	N	mic	5.8	5.1	5.5	5	5.5	5.5	5.8	5.7	5.4	5.7	-	5.7	5.7	5.8	5.5	5.9	6	6.3	6	-	-	9.7	9.3	11
Kc		sec	6	6	6	6	6	6	6	6	6	6	-	6	6	6	6	6	6	6	6	-	-	6	6	6
	E	mic	3.5	4	4	4	4.5	4	4.2	3.9	3.9	3.9	-	4.2	4.1	4.6	4.5	3.8	4.5	4.6	-	-	-	9.5	9.5	9.8
		sec	6	6	6	6	6	6	6	6	6	6	-	6	6	6	6	6	6	6	-	-	-	6	6	6
Dec.13	N	mic	10	9.1	10.5	10	11.7	11.8	9.2	10.5	10.6	10	11.6	11	10.2	10.3	10.4	10	11.1	12.8	9.5	11	8	-	-	-
Kc		sec	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-	-	-
	E	mic	9.5	10.4	9.8	12.1	12.3	9.6	-	-	11	-	-	11	9.4	9.9	9.9	11.5	-	-	-	-	-	-	-	-
		sec	6	6	6	6	6	6	-	-	6	-	-	6	6	6	6	6	-	-	-	-	-	-	-	-
Dec.14	N	mic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kc		sec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	E	mic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		sec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dec.15	N	mic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		sec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	E	mic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		sec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dec.16	N	mic	-	-	7.1	6.7	7.2	6.8	7	6.2	7.2	7	6.5	5.9	6.3	6	6.9	6.6	6.4	6.6	6.8	-	-	-	5.7	5.4
		sec	-	-	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-	-	-	6	6
	E	mic	-	-	3	3.5	3.5	3.1	3	3.3	3.4	3	2.9	2.7	2.9	3.1	3.1	3.3	3	3	3	-	-	-	3.5	4
		sec	-	-	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-	-	-	6	6
Dec.17	N	mic	6.7	6.9	7.2	6.4	6.3	6.9	-	6.7	6.6	6.1	6.3	6.5	6.6	6.6	-	-	7.5	7.6	8.3	8.2	9.3	8.9	8.2	7.5
		sec	6	6	6	6	6	6	-	6	6	6	6	6	6	6	-	-	6	6	6	6	6	6	6	6
	E	mic	4	4	4	4	4	4	-	4.5	4.7	4.5	4.5	4.5	5.3	5	-	-	-	-	5.5	5.7	5.7	5	6.6	6.1
		sec	6	6	6	6	6	6	-	6	6	6	6	6	6	6	-	-	-	-	6	6	6	6	6	6
Dec.18	N	mic	7.7	7	8.4	9.6	8.6	9.3	8.3	8.7	9.5	8.9	9	8.3	9.3	8.4	9.3	10.1	8.8	9	8.8	10.1	8.9	-	8.6	8.9
		sec	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-	6	6
	E	mic	6	6.2	7.4	7	6	6.5	7.4	6.5	6.4	6.6	6.6	6.8	6.3	6.5	6.8	6.6	6.5	6.4	7	7	-	6.9	6
		sec	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-	6	6
Dec.19	N	mic	7.4	8.9	8.5	8.5	8.6	8.7	8.4	8	7.7	7.2	7.7	7.9	7.7	7.3	7.5	7.2	7.5	7	6.3	7.4	7	6.8	6.6	7.5
		sec	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	E	mic	6	6	6	6.1	6.6	5.3	6	5.4	6.1	6	5.2	5	5.2	4.5	5.2	5	4.8	5.2	4.9	5	4.7	5	4.2	4.5
		sec	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Dec.20	N	mic	7.5	7.0	7.0	7.1	6.7	6.6	6.9	5.7	6.4	6.7	6	-	-	-	-	-	-	-	-	-	-	-	-	-
		sec	6	6	6	6	6	6	6	6	6	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-
	E	mic	4.8	4.5	4.5	4.5	5	4	4.0	4.4	4.3	4.3	4	4	3.8	3.8	4.1	4.4	4	4.3	4.2	4	4	-	4	4.2
		sec	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-	6	6
Dec.21	N	mic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		sec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	E	mic	4.4	4.2	4.3	4	4.7	4.5	4.1	4.3	4.3	4.1	4.4	4.4	4.6	4.9	4.2	4.3	4.5	4.6	4.8	5	-	-	-	-
		sec	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-	-	-	-

INTERNATIONAL PERIODS - MICROSEISMIC DATA

Hour			00	01	02	03	04	05	06	07	08	09
1958	Comp.											
Mar.17	Z	mic	-	3.4	3.4	3.2	3.4	2.9	2.9	2.9	-	-
Kc		sec	-	6	6	6	6	6	6	6	-	-
	N	mic	5.9	5.7	6.2	6.2	6.2	5.4	6	5	5.1	4.9
		sec	6	6	6	6	6	6	6	6	6	6
	E	mic	8.2	8.2	8	8.2	8	7.5	8.4	7.5	7.4	7.8
		sec	6	6	6	6	6	6	6	6	6	6
Mar.18	Z	mic	2.4	2.2	2.4	2.7	2.4	2.4	2.4	2.2	2.6	2.3
Kc		sec	6	6	6	6	6	6	6	6	6	6
	N	mic	4.7	5	4.1	4.2	4.8	4.5	4.8	4.5	4.3	4.2
		sec	6	6	6	6	6	6	6	6	6	6
	E	mic	6	6.1	6	5.9	6.1	5.3	5.2	6.2	5.6	6.5
		sec	6	6	6	6	6	6	6	6	6	6
Mar.19	Z	mic	2.1	2.1	2.3	2.2	1.7	1.8	1.9	2.1	1.8	1.6
Kc		sec	6	6	6	6	6	6	6	6	6	6
	N	mic	4.5	4.1	4	4.4	3.6	3.8	3.4	4	3.6	3.6
		sec	6	6	6	6	6	6	6	6	6	6
	E	mic	5	5	5	5	5.5	5.5	5.2	4.5	4.5	5.3
		sec	6	6	6	6	6	6	6	6	6	6
Mar.20	Z	mic	1.6	1.6	-	-	1.7	1.5	1.6	1.6	1.6	1.6
		sec	6	6	-	-	6	6	6	6	6	6
	N	mic	2.5	2.8	2.8	2.7	2.8	2.5	2.7	2.7	2.8	2.5
		sec	6	6	6	6	6	6	6	6	6	6
	E	mic	3.5	3.5	4.1	4.2	3.5	3.7	4	4.2	3.5	3.6
		sec	6	6	6	6	6	6	6	6	6	6
Mar.21	Z	mic	-	1.6	1.7	1.9	1.9	2.0	1.8	1.8	1.9	1.9
		sec	-	6	6	6	6	6	6	6	6	6
	N	mic	2.8	3	3.1	3.2	3.4	3	3.5	3.1	3.9	3.4
		sec	6	6	6	6	6	6	6	6	6	6
	E	mic	4.2	4.1	4.5	4.4	4.1	4.4	4.2	3.9	4	4.3
		sec	6	6	6	6	6	6	6	6	6	6
Mar.22	Z	mic	-	2.6	3.3	2.9	3.1	2.9	2.8	2.7	2.9	3.1
		sec	-	6	6	6	6	6	6	6	6	6
	N	mic	4.7	4.2	4.5	4.2	4	4.7	4.9	4.4	5.4	4.3
		sec	6	6	6	6	6	6	6	6	6	6
	E	mic	5	6	6.5	6.7	6.3	6.2	5.7	5.8	6.6	7.2
		sec	6	6	6	6	6	6	6	6	6	6
Mar.23	Z	mic	2.0	2.1	2.1	1.8	2.2	2.1	1.6	1.9	1.8	1.9
		sec	6	6	6	6	6	6	6	6	6	6
	N	mic	3.6	4.3	4	3.8	3.7	3.4	3.7	3.4	3	2.8
		sec	6	6	6	6	6	6	6	6	6	6
	E	mic	5	4.7	5.5	4.7	4.9	5.4	4.7	5	4.5	4.3
		sec	6	6	6	6	6	6	6	6	6	6

10	11	12	13	14	15	16	17	18	19	20	21	22	23
-	-	-	-	-	-	-	-	-	-	-	-	2.2	3.0
-	-	-	-	-	-	-	-	-	-	-	-	6	6
4.6	5.2	5.3	5.5	4.8	5.1	5.1	4.6	4.4	4.1	4.1	4.2	5.2	5.4
6	6	6	6	6	6	6	6	6	6	6	6	6	6
6.4	7.7	7.3	6.8	6.5	7.5	7	6.7	7.7	6.9	5.5	-	6	6.6
6	6	6	6	6	6	6	6	6	6	6	-	6	6
2.1	2.2	2.2	2.2	2.3	2.2	2.0	2.0	2.4	-	-	-	-	2.0
6	6	6	6	6	6	6	6	6	-	-	-	-	6
4.3	4.1	4.3	4.1	4.5	4.3	4.4	4.3	4.6	4.4	3.7	4.3	-	4.2
6	6	6	6	6	6	6	6	6	6	6	6	-	6
5.6	5.7	7.2	6.2	6	5.7	6.4	5.7	5.9	5.7	4.9	-	-	5.7
6	6	6	6	6	6	6	6	6	6	6	-	-	6
1.6	1.9	1.9	1.7	1.6	1.7	1.7	1.7	1.7	1.6	1.6	1.5	1.7	1.5
6	6	6	6	6	6	6	6	6	6	6	6	6	6
3.5	3.6	3.7	3.6	3.2	3	3	3	2.9	2.9	3	3	3	2.5
6	6	6	6	6	6	6	6	6	6	6	6	6	6
5.6	5	4.7	4.2	5.4	4.2	3.9	4.6	4.1	4.4	3.4	2.8	4	3.5
6	6	6	6	6	6	6	6	6	6	6	6	6	6
1.5	1.5	1.6	1.5	1.7	-	1.6	1.7	1.6	1.6	1.5	1.5	-	-
6	6	6	6	6	-	6	6	6	6	6	6	-	-
2.7	2.4	2.5	2.7	2.7	-	2.6	3.2	2.7	2.5	2.3	-	-	3.1
6	6	6	6	6	-	6	6	6	6	6	-	-	6
3.4	3.9	3.9	3.7	3.7	-	4.1	4	3.8	3.7	-	-	-	4.4
6	6	6	6	6	-	6	6	6	6	-	-	-	6
2.2	2.1	2.4	2.2	2.2	2.2	2.5	2.6	2.6	2.9	2.9	2.7	2.3	-
6	6	6	6	6	6	6	6	6	6	6	6	6	-
3.4	3.1	3.5	3.3	3.5	3.5	3.6	3.7	3.5	3.8	3.9	3.6	4	4.8
6	6	6	6	6	6	6	6	6	6	6	6	6	6
4.3	4.1	4.9	4.6	4.7	4.9	4.6	4.6	5.8	5.3	5.3	6.6	5.9	5.9
6	6	6	6	6	6	6	6	6	6	6	6	6	6
3.0	2.9	2.6	2.5	2.7	2.7	2.5	2.9	2.6	2.8	-	-	-	2.3
6	6	6	6	6	6	6	6	6	6	-	-	-	6
4.4	4.3	4.4	4.7	4.8	5.1	4.5	4	4.8	4	-	4.1	4.2	3.8
6	6	6	6	6	6	6	6	6	6	-	6	6	6
7.5	6.4	7	5.8	5.8	6.6	5.8	6.4	5.4	5.4	-	6.5	5.4	5.6
6	6	6	6	6	6	6	6	6	6	-	6	6	6
1.8	1.5	1.4	1.7	1.6	1.7	1.6	1.4	1.5	1.3	1.5	-	-	-
6	6	6	6	6	6	6	6	6	6	6	-	-	-
3.3	2.9	2.8	2.9	2.9	2.8	2.8	2.5	2.3	2.5	2.8	-	2.2	2.2
6	6	6	6	6	6	6	6	6	6	6	-	6	6
4.3	4.3	4	4.3	3.6	3.6	4.3	3.6	3.8	3.2	3.8	-	3.2	3.1
6	6	6	6	6	6	6	6	6	6	6	-	6	6

INTERNATIONAL PERIODS - MICROSEISMIC DATA

Hour			00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1958	Comp.																									
Mar.24	Z	mic	1.2	1.1	1.3	1.3	1.4	1.3	1.2	1.2	1.1	1.1	1.2	1.1	1.1	1.0	1.1	1.2	1.2	1.1	1.2	1.0	1.0	1.4	-	-
Kc		sec	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-	-
	N	mic	2.5	2.3	2.2	2	2	2	2.1	2.2	2.2	1.8	1.8	1.8	1.8	1.8	1.7	1.6	1.5	1.5	1.8	1.8	1.8	1.5	-	1.5
		sec	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-	6
	E	mic	3	3	3	3	3	3	3	2.8	3	3	3.2	3.1	3.2	3	2.6	2.8	2.6	2.3	2.7	2.4	2.2	2.5	-	2.5
		sec	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-	6
Mar.25	Z	mic	-	-	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.2	1.0	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.2	1.1	-	-	-
Kc		sec	-	-	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-	-	-
	N	mic	1.4	1.5	1.4	1.5	1.5	1.5	1.4	1.5	1.4	1.5	1.6	1.5	1.4	1.5	1.4	1.5	1.6	1.5	1.6	1.5	1.4	-	1.4	1.5
		sec	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-	6	6
	E	mic	2.3	2.1	2.3	2.2	2.5	2.5	2.5	2.2	2.2	2.7	2.3	2.6	2.5	2.6	2.5	2.6	2.6	2.5	2.3	2.8	2.8	-	2.5	2.6
		sec	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-	6	6
Mar.26	Z	mic	-	-	-	-	1.6	1.3	1.5	1.6	1.7	1.8	1.7	1.8	1.7	1.9	2.1	2.1	2.0	2.2	2.3	2.2	-	2.0	-	-
Kc		sec	-	-	-	-	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-	6	-	-
	N	mic	1.5	2	2	1.5	2	1.8	2.1	2	2	2	2.1	2.3	2.3	2.2	2.2	2.5	2.5	2.5	2.6	2.5	-	-	2.4	2.7
		sec	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-	-	6	6
	E	mic	2.5	2.6	2.5	2.6	2.7	2.8	2.9	3	3.1	3.6	4.7	3.7	4.3	4.1	3.5	4.4	4.4	4.1	4.2	4.2	4.3	-	4.5	4.2
		sec	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-	6	6
Jun.15	Z	mic	1.1	0.8	1.2	1.3	1.1	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5
Kc		sec	6.6	6.5	6.8	6.5	7.3	6.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.3
	N	mic	1.8	1.3	2.0	2.1	3.0	2.2	2.0	3.3	2.1	1.4	2.3	2.1	2.1	2.7	2.7	-	1.5	1.5	2.3	1.6	2.6	2.3	-	2.2
		sec	5.8	6.0	5.5	6.0	6.0	6.7	6.4	6.2	6.3	6.5	6.5	5.8	5.7	6.3	6.3	-	5.6	5.6	6.0	6.1	6.1	6.6	-	5.6
	E	mic	2.6	2.8	1.9	2.7	2.5	2.5	3.7	2.8	2.6	3.6	3.4	4.0	3.7	1.8	1.9	-	4.0	2.3	2.3	2.7	2.8	3.0	-	1.8
		sec	6.0	6.6	5.2	6.1	6.1	6.3	6.1	6.0	6.5	6.7	6.6	5.7	6.3	7.1	5.7	-	6.6	5.6	5.6	6.3	6.6	5.8	-	5.9
Jun.16	Z	mic	1.7	1.6	0.9	1.2	1.5	1.2	1.2	1.2	0.8	-	0.9	1.1	0.8	0.7	1.0	0.6	0.7	0.8	1.1	0.6	0.7	0.9	-	0.2
		sec	7.2	7.9	7.2	7.5	7.5	7.3	7.5	7.3	8.0	-	7.2	7.7	7.2	7.6	6.9	7.4	8.0	8.0	7.9	7.6	7.0	6.9	-	7.2
	N	mic	2.2	1.6	1.8	1.7	1.9	1.6	2.2	1.8	1.3	1.4	0.8	1.2	2.3	0.9	2.5	1.6	1.2	1.8	1.5	0.8	1.3	0.9	-	0.9
		sec	6.5	6.1	6.6	5.5	5.6	7.3	6.0	5.8	5.8	6.0	5.7	5.9	6.5	5.4	5.4	5.0	5.8	5.5	5.9	5.1	5.3	5.3	-	5.0
	E	mic	1.9	1.8	2.9	1.8	2.1	2.4	2.3	2.7	2.2	2.1	2.8	1.8	2.7	2.1	1.6	1.9	1.9	2.5	2.8	1.3	1.7	2.3	1.8	1.0
		sec	5.6	4.9	5.7	5.9	5.1	5.1	6.2	6.2	5.4	5.5	4.4	4.0	6.5	5.0	5.0	5.6	5.5	5.0	5.0	5.4	5.7	4.4	5.2	5.9
Jun.17	Z	mic	0.4	0.7	0.8	0.5	0.6	0.6	0.3	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.6	0.6	0.3	0.2	0.4	0.2	0.3	-	0.3	0.3
		sec	5.9	7.3	6.4	6.3	6.8	7.2	6.9	8.0	7.1	7.2	7.2	6.4	6.9	6.0	7.0	7.2	7.5	7.4	6.7	6.2	▼	-	6.2	6.3
	N	mic	1.9	1.3	1.3	0.8	1.0	0.7	0.9	0.9	1.2	1.3	0.8	1.1	0.5	0.5	1.2	0.7	0.7	0.7	0.3	0.5	0.6	-	0.6	0.5
		sec	5.8	5.2	4.8	5.0	6.2	5.5	5.2	6.5	5.9	6.0	5.6	6.2	5.0	5.5	5.0	5.4	6.5	4.9	4.6	4.3	4.7	-	5.6	5.0
	E	mic	-	-	-	2.0	2.3	1.6	1.3	1.3	1.3	2.0	0.7	1.2	1.6	1.3	1.6	1.3	1.4	1.5	1.3	1.5	1.3	-	-	-
		sec	-	-	-	5.2	4.9	6.5	5.0	5.0	5.0	4.9	4.6	4.5	4.8	4.4	5.6	5.5	6.2	4.5	4.4	5.0	4.8	-	-	-
Jun.18	Z	mic	0.5	0.2	0.3	0.5	0.4	0.2	0.4	0.3	0.5	0.4	0.5	0.4	0.5	0.6	0.7	0.4	0.4	0.4	0.4	0.4	0.3	-	-	0.7
		sec	6.6	6.7	6.3	6.5	6.7	6.6	5.8	5.5	7.2	6.7	5.9	6.5	6.4	6.7	6.8	6.9	6.4	5.9	6.4	6.1	6.3	-	-	5.9
	N	mic	0.3	1.1	0.7	0.4	1.1	0.9	0.9	0.7	0.9	0.6	0.6	0.7	0.5	0.9	0.4	0.6	0.9	0.7	0.7	0.5	0.8	-	1.3	0.9
		sec	5.0	5.4	4.7	4.9	4.9	5.3	5.0	4.6	5.3	5.1	4.7	5.0	5.1	4.4	5.0	5.7	4.8	5.7	6.2	4.5	4.9	-	5.6	5.4
	E	mic	-	-	-	-	-	-	0.7	1.3	1.2	1.6	1.1	1.2	0.9	1.4	1.3	1.4	1.5	1.7	1.4	1.5	1.3	-	1.4	1.8
		sec	-	-	-	-	-	-	4.7	4.3	5.8	6.3	4.9	4.9	4.6	4.6	4.4	4.9	4.8	5.8	5.2	5.3	5.4	-	4.8	5.9

INTERNATIONAL PERIODS - MICROSEISMIC DATA

Hour			00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1958	Comp.																									
Jun.19	Z	mic	0.4	0.5	0.4	0.4	0.5	0.4	-	0.4	0.3	-	0.5	0.4	0.5	0.3	-	0.3	0.6	0.6	0.5	0.4	0.3	0.4	-	-
Kc		sec	5.2	5.2	6.0	6.2	6.1	5.9	-	6.2	5.1	-	5.8	6.2	5.8	5.2	-	4.9	6.3	4.2	6.0	5.4	6.0	6.2	-	-
	N	mic	0.5	1.2	0.7	0.8	1.2	1.1	0.7	1.0	0.3	1.1	0.7	0.8	1.2	1.0	0.7	0.4	0.4	0.4	0.4	0.8	0.7	0.8	1.3	0.9
		sec	5.6	5.8	5.1	5.6	5.1	4.9	4.8	5.2	5.0	4.9	5.3	5.3	5.4	5.0	4.7	4.3	4.6	4.6	4.6	4.8	5.0	4.3	4.9	4.6
	E	mic	0.7	0.8	1.3	0.9	1.3	1.4	1.3	1.1	0.7	1.3	1.1	0.9	0.5	0.5	1.0	0.7	0.5	0.7	0.9	1.2	0.8	1.2	-	-
		sec	5.9	5.1	5.2	4.9	4.9	4.7	5.2	4.6	4.8	5.6	5.5	4.6	4.7	4.0	5.4	5.0	6.2	4.3	4.3	4.8	4.7	6.2	-	-
Jun.20	Z	mic	0.4	-	-	0.4	0.5	0.6	0.4	0.5	0.4	0.3	0.3	0.3	0.6	0.5	0.4	0.5	0.3	0.4	0.7	0.6	0.5	0.6	-	0.4
Kc		sec	5.9	-	-	6.4	5.6	4.3	4.5	4.3	4.7	4.4	6.1	5.2	5.2	5.9	4.7	4.9	4.7	5.2	5.9	5.7	5.9	4.4	-	6.0
	N	mic	0.3	-	0.8	0.9	1.1	1.1	1.2	1.1	0.8	0.9	0.7	0.6	0.8	0.7	0.7	1.0	0.9	1.0	0.7	0.6	1.1	0.9	-	0.9
		sec	4.0	-	4.7	4.2	4.5	6.0	4.4	4.6	4.9	4.2	4.2	4.2	4.2	5.9	5.4	4.2	4.0	4.1	4.3	4.6	4.4	4.2	-	4.0
	E	mic	-	-	-	-	0.7	1.3	1.2	0.7	1.5	1.5	1.3	-	-	-	0.9	1.2	1.0	1.3	-	1.1	1.0	1.1	-	0.5
		sec	-	-	-	-	4.3	4.5	4.6	4.3	4.3	4.8	4.3	-	-	-	4.0	6.3	4.9	4.7	-	4.2	4.2	4.0	-	4.0
Jun.21	Z	mic	0.2	0.5	0.4	0.4	0.3	0.3	0.4	0.3	0.6	0.6	0.6	0.4	-	-	0.2	0.6	0.6	0.7	0.2	0.2	0.5	0.3	-	0.4
Kc		sec	5.2	5.8	6.3	5.9	6.2	5.7	6.8	6.1	6.7	6.2	4.9	6.5	-	-	6.2	7.1	5.8	6.2	6.6	7.0	7.2	6.0	-	6.1
	N	mic	0.7	0.4	0.6	0.4	0.2	0.2	0.7	0.3	0.3	0.3	0.4	0.5	0.4	0.3	0.3	0.5	0.3	0.3	0.2	0.3	0.3	0.2	-	0.6
		sec	4.2	5.6	6.2	4.9	5.0	6.4	4.2	4.8	5.0	4.5	4.7	4.9	-	5.1	4.9	6.6	5.2	6.3	5.7	5.1	5.6	5.8	-	5.0
	E	mic	1.0	0.7	0.9	0.4	0.9	0.8	1.6	0.6	1.2	1.2	1.4	1.1	1.0	1.2	0.9	0.9	0.5	0.8	1.3	0.9	1.1	0.3	-	0.8
		sec	5.8	4.2	4.0	4.6	5.3	6.0	5.3	4.8	4.8	4.9	5.8	4.3	5.2	5.9	5.1	4.2	5.9	6.0	6.2	5.7	4.9	4.2	-	4.8
Jun.22	Z	mic	0.2	0.2	0.2	0.4	0.3	-	-	0.4	0.2	0.3	0.3	0.3	0.3	0.4	0.3	0.5	0.4	0.4	0.2	0.5	0.4	0.3	-	-
Kc		sec	6.0	6.7	5.9	6.8	6.2	-	-	6.3	6.2	6.7	6.1	7.3	6.6	8.2	8.4	8.2	7.6	7.2	8.0	7.4	8.3	7.8	-	-
	N	mic	0.2	0.8	0.7	0.5	0.4	0.8	0.5	0.6	0.4	0.3	0.3	0.4	0.2	0.4	0.6	0.6	0.2	1.0	0.2	0.7	0.5	0.3	0.6	0.8
		sec	5.9	6.0	6.0	6.0	6.9	5.5	4.8	5.0	5.2	4.3	4.5	5.8	5.5	6.1	6.0	7.2	6.7	6.6	7.0	6.8	7.6	7.3	6.8	7.4
	E	mic	1.0	0,6	0.7	0.8	0.8	0.6	-	-	0.7	0.6	1.1	0.6	0.5	0.8	0.6	0.7	1.1	0.7	0.6	0.4	1.2	1.0	0.9	0.8
		sec	6.5	4.4	5.6	5.7	6.4	5.7	-	-	6.2	5.3	5.3	4.0	5.9	6.6	5.9	5.9	6.6	6.8	5.8	8.3	7.0	4.5	6.2	6.4
Jun.23	Z	mic	-	0.3	0.5	0.4	0.6	0.3	0.5	0.4	0.7	0.4	0.6	0.6	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.5	0.4	-	-
		sec	-	7.5	8.2	8.1	7.5	8.1	7.3	7.4	7.6	7.6	7.3	7.2	7.2	6.8	8.3	7.6	7.0	7.2	6.6	7.9	7.6	7.6	-	-
	N	mic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5	1.1
		sec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.0	6.7
	E	mic	0.3	1.4	1.5	0.6	0.8	0.8	0.7	1.5	1.3	0.8	1.1	0.6	0.8	0.8	0.7	0.8	1.8	1.0	1.6	1.1	1.2	0.7	0.8	0.9
		sec	3.9	7.5	7.3	7.5	6.7	7.2	5.8	7.7	6.8	6.8	7.4	6.9	6.5	6.8	7.3	6.9	7.4	7.6	7.2	6.4	6.7	7.4	6.6	7.1
Jun.24	Z	mic	-	0.5	0.4	0.3	0.6	0.3	0.4	0.7	0.2	0.3	0.3	0.4	0.2	0.6	0.4	0.2	0.3	0.3	0.2	0.2	0.3	0.4	-	-
		sec	-	7.2	6.5	7.3	7.6	6.9	7.5	7.3	6.9	7.3	7.2	7.3	7.6	7.0	7.0	6.8	6.6	7.0	6.4	7.0	7.3	7.4	-	-
	N	mic	0.7	0.8	0.4	0.3	0.4	0.5	0.5	0.5	0.6	0.4	0.9	0.7	0.4	0.3	0.2	0.5	0.3	0.4	0.6	0.4	0.4	0.2	-	-
		sec	6.8	6.0	6.8	6.7	6.6	6.7	6.8	6.1	6.1	7.4	5.7	7.2	6.8	6.1	5.6	6.8	6.7	5.6	6.0	6.3	5.5	4.7	-	-
	E	mic	0.5	1.3	1.1	1.2	0.9	0.8	0.8	0.8	0.7	1.3	1.1	1.6	1.3	0.8	0.9	0.7	1.1	1.3	0.8	1.0	0.7	0.7	-	-
		sec	-	6.9	6.3	7.0	7.3	7.3	6.8	6.8	6.9	6.9	6.2	6.7	5.8	7.0	7.6	5.6	6.7	6.1	6.4	6.6	6.0	5.6	-	-

Date		00 h		06 h		12 h		18 h		
	k	u	sec	u	sec	u	sec	u	sec	comp.
1957 Dec.										
6	c	--	--	--	--	--	--	--	--	N
6	c	--	--	--	--	--	--	--	--	E
7	c	5.4	5.5	6.9	6.0	6.2	6.0	--	--	N
7	c	5.2	5.2	6.4	5.2	6.2	5.0	--	--	E
8	c	--	--	5.3	5.2	5.0	5.2	4.5	5.0	N
8	c	--	--	4.5	5.8	3.5	5.5	6.5	5.9	E
9	c	10.5	5.6	8.0	6.0	7.7	5.1	8.5	5.2	N
9	c	--	--	6.2	5.8	8.5	6.0	--	--	E
10	c	7.2	6.0	8.4	6.0	5.9	5.8	7.0	5.4	N
10	c	6.5	5.8	6.0	5.8	4.7	4.5	--	--	E
11	c	4.0	5.4	4.0	5.0	4.8	5.6	5.7	5.6	N
11	c	3.0	5.4	3.4	5.6	2.8	5.8	2.5	5.4	E
12	c	5.8	6.0	5.8	6.0	5.7	6.0	6.0	6.0	N
12	c	3.5	6.0	4.2	6.0	4.1	6.0	--	--	E
13	c	10.0	6.0	9.2	6.0	10.2	6.0	9.5	6.0	N
13	c	9.5	6.0	--	--	9.4	6.0	--	--	E
14	c	--	--	--	--	--	--	--	--	N
14	c	--	--	--	--	--	--	--	--	E
15	c	--	--	--	--	--	--	--	--	N
15	c	--	--	--	--	--	--	--	--	E
16	c	--	--	7.0	6.0	6.3	6.0	6.8	6.0	N
16	c	--	--	3.0	6.0	2.9	6.0	3.0	6.0	E
17	c	6.7	6.0	--	--	6.6	6.0	8.3	6.0	N
17	c	4.0	6.0	--	--	5.3	6.0	5.5	6.0	E
18	c	7.7	6.0	8.3	6.0	9.3	6.0	8.8	6.0	N
18	c	6.0	6.0	7.4	6.0	6.8	6.0	6.4	6.0	E
19	c	7.4	6.0	8.4	6.0	7.7	6.0	6.3	6.0	N
19	c	6.0	6.0	6.0	6.0	5.2	6.0	4.9	6.0	E
20	c	7.5	6.0	6.9	6.0	--	--	--	--	N
20	c	4.8	6.0	4.0	6.0	3.8	6.0	4.2	6.0	E
21	c	--	--	--	--	--	--	--	--	N
21	c	4.4	6.0	4.1	6.0	4.6	6.0	4.8	6.0	E
22	c	--	--	5.9	5.4	3.3	5.2	4.7	5.2	N
22	c	--	--	2.5	5.5	2.2	4.9	2.1	4.8	E
23	c	3.8	5.2	3.0	5.2	2.7	5.2	3.2	5.2	N
23	c	2.3	5.2	2.4	5.4	2.0	5.2	2.2	5.2	E
24	c	3.9	5.0	4.2	5.2	3.6	5.0	3.2	5.8	N
24	c	2.8	5.2	3.6	5.0	2.3	5.6	2.0	5.8	E
25	c	2.8	5.6	2.7	5.6	3.1	5.4	3.5	5.2	N
25	c	2.0	5.0	1.6	5.6	1.3	5.4	1.6	5.4	E
26	c	3.1	5.4	2.4	5.4	2.7	5.4	2.9	5.9	N
26	c	1.3	5.6	2.2	5.4	1.5	5.8	1.9	5.6	E
27	c	3.2	5.4	2.5	5.2	2.3	5.4	2.9	5.2	N
27	c	1.9	5.6	1.7	5.4	1.4	5.6	1.3	5.2	E
28	c	2.4	5.0	2.1	5.2	1.4	5.4	1.4	5.2	N
28	c	1.1	5.6	0.8	5.2	0.7	5.2	0.3	--	E
29	c	--	--	1.4	5.2	1.4	5.8	1.7	5.6	N
29	c	--	--	0.7	5.0	0.5	5.0	1.0	5.0	E
30	c	--	--	--	--	--	--	--	--	N
30	c	--	--	--	--	--	--	--	--	E
31	c	--	--	--	--	--	--	--	--	Z
31	c	--	--	3.1	5.5	2.5	5.3	2.5	6.0	N
31	c	--	--	1.0	5.6	1.3	5.2	1.1	5.2	E

Date		00 h		06 h		12 h		18 h		
	k	u	sec	u	sec	u	sec	u	sec	comp.
1958 Jan										
1	c	-	-	0.7	5.9	0.9	6.0	1.1	6.0	Z
1	c	-	-	3.7	5.6	3.9	5.8	3.9	5.9	N
1	c	-	-	1.0	6.6	1.9	5.8	1.5	5.8	E
2	c	-	-	1.3	5.8	1.5	5.8	2.2	5.8	Z
2	c	-	-	3.3	5.8	3.7	5.4	5.4	5.8	N
2	c	-	-	1.7	5.6	1.9	5.8	2.1	5.4	E
3	c	0..	0..	0..	0..	0..	0..	0..	0..	Z
3	c	5.5	5.9	8.0	5.8	7.9	5.4	5.1	5.9	N
3	c	2.6	5.4	2.3	5.2	1.9	5.2	2.8	6.0	E
4	c	-	-	-	-	-	-	-	-	Z
4	c	-	-	-	-	-	-	-	-	N
4	c	-	-	-	-	-	-	-	-	E
5	c	-	-	-	-	-	-	-	-	Z
5	c	-	-	-	-	-	-	-	-	N
5	c	-	-	-	-	-	-	-	-	E
6	c	-	-	-	-	-	-	-	-	Z
6	c	16.0	5.6	10.0	6.4	11.0	6.0	13.0	5.0	N
6	c	5.8	5.2	6.8	6.0	7.4	6.1	5.8	5.8	E
7	c	3.3	5.4	5.1	5.8	2.8	6.4	2.9	6.1	Z
7	c	16.0	5.2	15.0	5.6	10.0	5.8	14.0	5.6	N
7	c	8.2	5.4	7.4	5.4	7.5	5.8	6.3	5.5	E
8	c	2.9	6.0	1.9	5.8	2.3	5.6	1.6	5.6	Z
8	c	13.6	5.3	9.5	6.2	10.3	6.0	9.2	5.4	N
8	c	5.2	6.0	4.6	5.2	4.2	5.6	3.6	5.6	E
9	c	1.5	5.4	1.2	5.6	1.0	5.8	1.6	5.5	Z
9	c	8.3	5.9	4.7	5.5	6.2	5.6	5.3	5.3	N
9	c	2.7	5.2	2.4	5.4	3.0	5.5	3.0	5.4	E
10	c	-	-	-	-	-	-	-	-	Z
10	c	6.2	5.6	8.3	5.4	6.1	5.5	8.2	5.7	N
10	c	2.1	6.0	3.3	5.8	3.8	6.2	3.5	5.9	E
11	c	-	-	-	-	1.6	5.8	1.2	6.4	Z
11	c	-	-	-	-	-	-	-	-	N
11	c	-	-	-	-	2.2	5.0	1.9	5.4	E
12	c	1.4	5.4	1.7	5.2	1.9	5.6	3.1	5.7	Z
12	c	4.8	5.0	6.9	5.9	7.4	5.6	10.1	6.0	N
12	c	1.7	5.4	1.5	5.6	1.9	5.6	3.9	5.6	E
13	c	2.4	5.4	1.7	5.6	2.0	5.8	2.0	5.2	Z
13	c	8.2	5.6	5.2	5.8	5.8	5.6	4.8	5.4	N
13	c	2.7	5.7	2.2	5.6	2.8	5.3	2.1	5.4	E
14	c	2.0	5.9	-	-	2.4	6.0	1.5	6.5	Z
14	c	5.5	5.6	-	-	5.3	5.6	4.9	6.1	N
14	c	3.3	5.6	-	-	2.9	6.0	1.5	6.4	E
15	c	2.0	6.0	2.2	6.4	2.1	6.4	2.2	6.6	Z
15	c	4.6	5.4	5.2	5.6	5.8	6.6	4.2	5.6	N
15	c	1.7	5.2	1.6	5.8	1.4	6.2	1.5	5.2	E
16	c	2.2	6.0	2.4	6.8	1.9	8.0	1.7	6.8	Z
16	c	4.8	5.9	5.2	6.2	4.2	5.8	4.9	6.2	N
16	c	2.0	5.8	1.8	6.4	2.2	5.9	1.4	5.8	E
17	c	-	-	1.8	6.8	2.3	6.9	1.9	7.9	Z
17	c	4.4	6.8	4.6	6.3	5.2	6.2	5.1	6.2	N
17	c	1.2	5.6	1.4	7.4	1.6	7.4	1.9	5.8	E
18	c	-	-	-	-	-	-	-	-	Z
18	c	-	-	-	-	9.5	6.0	11.0	6.6	N
18	c	-	-	-	-	10.0	5.8	12.0	6.4	E
19	c	5.5	6.0	4.4	6.0	3.4	6.0	3.5	6.0	Z
19	c	11.0	6.0	11.0	6.0	11.0	6.0	10.0	6.0	N
19	c	12.0	6.0	-	-	12.0	6.0	13.0	6.0	E

Date		00 h		06 h		12 h		18 h		
	k	u	sec	u	sec	u	sec	u	sec	comp.
1958										
Jan										
20	c	3.4	6.0	3.4	6.0	3.4	6.0	2.8	6.0	Z
20	c	10.0	6.0	9.6	6.0	9.6	6.0	11.0	6.0	N
20	c	-	-	-	-	10.0	6.0	11.0	6.0	E
21	c	-	-	-	-	-	-	-	-	Z
21	c	-	-	4.4	5.8	4.2	5.8	5.8	5.8	N
21	c	-	-	6.2	5.8	6.4	6.0	5.5	6.2	E
22	c	-	-	0.7	5.4	0.6	5.6	0.4	5.6	Z
22	c	4.2	5.6	3.2	5.6	3.2	5.6	2.8	5.3	N
22	c	-	-	-	-	4.1	5.6	3.7	5.4	E
23	c	0.2	5.6	0.4	5.9	0.3	6.2	0.3	6.4	Z
23	c	3.3	5.4	3.4	5.8	3.1	5.6	3.8	5.6	N
23	c	4.3	5.8	4.5	6.0	5.4	5.8	5.1	6.0	E
24	c	0.5	5.6	0.6	5.6	0.3	5.0	0.4	5.2	Z
24	c	3.9	6.0	3.6	6.0	3.3	5.2	3.1	5.7	N
24	c	-	-	-	-	-	-	-	-	E
25	c	-	-	0.6	4.8	0.7	5.2	-	-	Z
25	c	-	-	3.8	5.2	3.4	5.0	3.8	5.4	N
25	c	-	-	-	-	-	-	3.6	4.6	E
26	c	0.9	6.4	0.7	5.6	0.9	6.0	1.0	6.4	Z
26	c	-	-	2.3	5.2	3.2	5.0	3.3	5.8	N
26	c	-	-	-	-	5.6	6.2	3.7	5.7	E
27	c	0.5	5.6	0.6	6.0	0.6	5.8	1.2	5.8	Z
27	c	3.8	6.2	2.3	6.6	1.2	5.5	-	-	N
27	c	-	-	-	-	-	-	2.8	5.8	E
28	c	0.9	5.4	0.8	5.8	0.9	5.8	0.4	-	Z
28	c	4.5	5.0	4.4	5.2	3.6	5.5	2.8	5.2	N
28	c	-	-	-	-	-	-	-	-	E
29	c	-	-	0.5	5.0	0.6	5.0	0.7	5.2	Z
29	c	3.3	6.0	3.7	5.6	3.2	5.8	3.7	5.8	N
29	c	-	-	-	-	4.5	5.6	4.7	5.6	E
30	c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Z
30	c	3.2	5.0	3.2	5.0	2.4	4.8	2.7	5.2	N
30	c	2.6	5.8	2.5	5.8	2.8	4.8	3.2	5.2	E
31	c	-	-	-	-	-	-	-	-	Z
31	c	1.8	5.8	2.9	5.4	1.9	4.8	1.9	5.8	N
31	c	-	-	-	-	-	-	2.8	5.2	E
Feb.										
1	c	-	-	-	-	-	-	-	-	Z
1	c	2.0	6.2	2.9	6.3	3.1	6.1	-	-	N
1	c	-	-	-	-	-	-	-	-	E
2	c	-	-	-	-	-	-	-	-	Z
2	c	3.3	5.6	3.4	6.4	2.9	6.1	4.7	6.2	N
2	c	-	-	4.2	5.3	4.9	6.1	5.2	6.1	E
3	c	-	-	-	-	-	-	-	-	Z
3	c	-	-	-	-	-	-	-	-	N
3	c	-	-	-	-	-	-	-	-	E
4	c	-	-	-	-	0.7	6.2	0.6	6.0	Z
4	c	-	-	-	-	2.4	5.8	2.9	6.2	N
4	c	-	-	-	-	5.2	5.8	5.1	5.8	E
5	c	-	-	0.6	5.5	0.6	6.0	0.4	5.7	Z
5	c	3.3	5.2	1.7	5.2	1.2	5.2	1.2	5.6	N
5	c	-	-	-	-	-	-	-	-	E
6	c	0.6	4.8	0.4	5.6	0.5	5.4	0.4	5.6	Z
6	c	2.1	4.6	2.5	5.2	2.4	5.6	3.1	2.8	N
6	c	-	-	-	-	-	-	-	-	E
7	c	0.5	4.6	0.6	5.1	0.6	5.2	0.8	5.2	Z
7	c	2.3	5.6	3.0	4.8	2.7	5.2	2.3	4.8	N
7	c	-	-	-	-	2.0	4.8	1.2	4.8	E

Date		00 h		06 h		12 h		18 h		
	k	u	sec	u	sec	u	sec	u	sec	comp.
1958										
Feb.										
8	c	0.4	5.0	0.5	4.8	0.8	5.2	-	-	Z
8	c	2.7	4.8	2.3	4.8	2.6	4.8	2.0	4.8	N
8	c	-	-	1.1	4.8	1.2	5.0	1.2	4.8	E
9	c	0.3	5.0	0.6	5.0	-	-	-	-	Z
9	c	-	-	2.6	4.8	2.4	5.4	3.0	5.2	N
9	c	1.2	4.8	1.0	5.0	1.5	4.8	1.2	4.8	E
10	c	0.9	5.0	0.9	5.0	0.9	5.0	1.0	5.0	Z
10	c	5.0	5.0	4.6	5.0	4.6	5.0	4.2	5.0	N
10	c	2.2	5.0	2.5	5.0	2.5	5.0	2.6	5.0	E
11	c	-	-	0.7	9.0	-	-	-	-	Z
11	c	3.8	5.2	2.3	6.2	2.2	5.2	2.9	7.6	N
11	c	1.2	5.4	1.5	7.2	1.5	4.8	1.1	5.2	E
12	c	-	-	1.0	7.2	1.0	7.2	0.8	7.0	Z
12	c	-	-	3.1	7.0	2.8	6.2	3.3	6.2	N
12	c	-	-	1.5	6.0	1.6	6.2	1.5	6.2	E
13	c	-	-	0.6	6.4	0.8	6.8	0.8	6.4	Z
13	c	2.1	5.8	2.8	6.0	4.2	6.3	3.8	6.2	N
13	c	-	-	-	-	-	-	-	-	E
14	c	0.5	5.6	0.8	6.2	0.7	5.6	0.8	6.6	Z
14	c	2.2	5.6	3.3	5.6	2.6	5.0	4.1	5.8	N
14	c	1.5	4.8	1.4	4.8	2.3	5.8	1.3	5.4	E
15	c	0.5	5.6	0.7	6.4	1.2	6.2	1.2	5.8	Z
15	c	2.4	5.6	4.1	6.0	5.3	6.1	5.8	5.5	N
15	c	1.9	5.8	2.2	6.2	2.7	6.0	2.4	5.6	E
16	c	1.8	5.2	1.7	5.8	1.2	5.5	1.2	5.2	Z
16	c	7.5	5.6	5.6	5.3	5.7	5.4	5.3	5.5	N
16	c	2.9	5.4	3.5	5.4	2.8	5.5	3.8	5.5	E
17	c	0.9	5.0	0.8	5.2	1.0	5.2	1.2	6.2	Z
17	c	3.2	5.4	3.2	6.0	5.5	5.6	3.7	5.4	N
17	c	2.4	5.4	2.5	5.4	2.1	5.0	2.0	5.0	E
18	c	1.6	6.0	1.2	6.0	1.3	6.0	1.3	6.0	Z
18	c	6.4	6.0	6.9	6.0	6.4	6.0	6.6	6.0	N
18	c	3.0	6.0	3.4	6.0	3.4	6.0	3.8	6.0	E
19	c	-	-	-	-	-	-	-	-	Z
19	c	-	-	3.8	6.0	3.6	6.0	3.4	6.0	N
19	c	-	-	2.5	6.0	2.6	6.0	2.6	6.0	E
20	c	1.1	4.8	0.8	5.4	0.7	5.2	1.0	5.1	Z
20	c	2.2	5.1	1.7	5.0	2.1	5.0	2.2	5.1	N
20	c	1.5	4.8	1.8	5.1	1.6	5.3	2.1	5.0	E
21	c	-	-	1.3	5.5	1.4	5.0	1.6	5.0	Z
21	c	2.2	4.8	3.2	4.9	3.8	4.8	3.6	5.1	N
21	c	-	-	2.5	4.8	2.7	4.8	2.5	4.8	E
22	c	-	-	1.5	5.4	-	-	1.4	5.4	Z
22	c	4.5	5.4	4.0	5.1	3.5	5.4	4.1	5.2	N
22	c	3.3	4.9	-	-	2.8	5.1	2.7	5.2	E
23	c	1.1	5.8	1.4	5.5	1.2	5.2	1.1	5.1	Z
23	c	3.3	5.2	2.7	5.1	3.7	5.4	3.4	5.0	N
23	c	3.2	5.3	3.4	5.4	-	-	-	-	E
24	c	1.1	5.2	1.1	5.0	1.1	5.4	1.3	6.0	Z
24	c	3.1	5.0	2.9	5.4	4.5	5.2	3.7	5.6	N
24	c	-	-	-	-	-	-	-	-	E
25	c	1.5	5.8	2.0	6.4	2.1	5.6	1.8	6.0	Z
25	c	5.4	5.1	4.6	5.8	4.6	6.0	5.0	6.2	N
25	c	2.4	5.0	2.1	6.0	3.2	5.8	3.3	5.9	E

Date	k	00 h u	00 h sec	06 h u	06 h sec	12 h u	12 h sec	18 h u	18 h sec	comp.
1958										
Feb.										
25	c	2.2	6.0	3.5	6.0	3.3	6.0	3.3	6.0	Z
25	c	4.8	5.0	7.8	6.0	8.7	6.0	8.9	6.0	N
25	c	5.0	6.0	5.4	6.0	6.4	6.0	6.3	6.0	E
27	c	2.8	6.0	2.2	6.2	2.2	6.0	1.8	6.3	Z
27	c	5.2	6.2	6.0	5.8	4.2	6.0	4.6	5.7	N
27	c	2.6	5.9	3.3	5.6	3.2	5.4	4.2	6.2	E
28	c	-	-	1.8	6.0	1.3	5.6	1.6	5.6	Z
28	c	4.3	5.6	3.7	5.6	2.8	5.6	3.7	5.8	N
28	c	3.7	5.8	2.8	6.0	2.1	5.8	2.4	5.6	E
Mar.										
1	c	1.6	5.4	1.3	5.8	1.6	5.8	1.6	5.8	Z
1	c	4.2	5.4	4.3	5.5	4.8	5.4	4.6	5.4	N
1	c	2.0	5.8	2.1	5.9	2.7	5.4	2.4	5.4	E
2	c	1.6	5.2	1.4	5.2	1.5	5.2	1.4	5.4	Z
2	c	5.2	5.6	4.7	5.1	4.2	5.2	3.6	5.3	N
2	c	4.3	4.9	3.7	5.2	3.7	5.0	3.2	5.1	E
3	c	1.2	5.4	1.2	5.8	1.0	5.5	0.7	6.0	Z
3	c	3.2	5.2	3.4	5.5	2.6	5.8	2.3	5.6	N
3	c	2.0	5.2	2.4	5.2	1.9	4.8	2.3	6.2	E
4	c	0.9	5.8	0.8	5.6	0.7	5.8	0.4	6.7	Z
4	c	1.0	5.4	2.1	4.6	1.8	5.6	1.9	5.3	N
4	c	2.1	5.6	1.3	5.3	1.8	5.2	2.1	5.2	E
5	c	0.9	6.2	1.1	6.7	1.0	6.0	1.0	6.4	Z
5	c	1.8	5.2	2.5	5.0	1.8	5.8	1.6	6.0	N
5	c	0.9	6.2	1.2	5.7	1.5	5.8	1.9	6.2	E
6	c	0.9	6.2	1.3	5.6	1.1	5.6	1.2	6.1	Z
6	c	1.6	5.5	1.2	5.6	1.7	5.6	2.5	5.1	N
6	c	1.9	5.8	1.9	5.5	2.3	5.3	2.7	5.4	E
7	c	0.7	6.6	1.0	6.0	1.1	6.0	1.2	6.4	Z
7	c	1.8	5.3	1.3	5.4	2.1	5.8	1.8	5.6	N
7	c	1.7	5.6	1.6	5.8	2.1	5.0	2.9	5.2	E
8	c	1.2	5.6	1.2	5.4	1.9	5.6	1.3	5.6	Z
8	c	2.2	5.8	1.8	4.8	2.9	5.5	3.2	4.8	N
8	c	NR	NR	3.8	4.9	3.5	4.6	3.1	5.0	E
9	c	2.0	4.4	2.2	5.2	1.6	4.9	1.1	4.2	Z
9	c	2.8	5.3	1.9	5.4	2.6	4.6	2.6	5.4	N
9	c	3.2	4.6	2.5	5.6	3.7	5.8	2.1	5.4	E
10	c	1.3	5.4	1.2	4.8	1.5	5.4	1.3	5.0	Z
10	c	2.3	5.1	2.0	5.2	2.5	5.2	1.5	4.8	N
10	c	-	-	-	-	-	-	-	-	E
11	c	1.6	6.2	0.9	6.0	1.1	6.6	1.3	6.0	Z
11	c	2.1	5.2	1.6	5.8	2.0	5.2	1.6	6.4	N
11	c	-	-	1.9	5.0	3.4	6.2	2.5	6.1	E
12	c	1.2	6.0	1.0	5.6	1.0	5.0	1.0	5.4	Z
12	c	2.6	6.-	2.2	6.0	1.7	5.6	1.8	4.8	N
12	c	-	-	-	-	-	-	-	-	E
12	c	0.9	4.5	1.7	4.6	2.3	4.7	2.7	4.5	Z
13	c	1.9	4.7	2.4	4.4	3.7	4.6	4.5	4.6	N
13	c	-	-	-	-	-	-	-	-	E
14	c	2.8	4.9	3.3	5.0	3.9	4.8	4.8	4.7	Z
14	c	4.5	4.7	5.0	4.7	8.7	4.6	13.0	5.2	N
14	c	-	-	-	-	12.0	5.0	13.0	4.8	E
15	c	3.8	6.0	3.2	5.0	-	-	-	-	Z
15	c	-	-	6.3	4.7	5.4	4.8	6.2	4.6	N
15	c	-	-	8.2	5.2	6.7	4.8	6.8	4.6	E
16	c	-	-	-	-	-	-	-	-	Z
16	c	-	-	-	-	-	-	-	-	N
16	c	-	-	-	-	-	-	-	-	E

Date	k	00 h u	00 h sec	06 h u	06 h sec	12 h u	12 h sec	18 h u	18 h sec	Comp.
1958										
Mar										
17	c	-	-	2.9	6.0	-	-	-	-	Z
17	c	5.9	6.0	6.0	6.0	5.3	6.0	4.4	6.0	N
17	c	8.2	6.0	8.4	6.0	7.3	6.0	7.7	6.0	E
18	c	2.4	6.0	2.4	6.0	2.2	6.0	2.4	6.0	Z
18	c	4.7	6.0	4.8	6.0	4.3	6.0	4.6	6.0	N
18	c	6.0	6.0	5.2	6.0	7.2	6.0	5.9	6.0	E
19	c	2.1	6.0	1.9	6.0	1.9	6.0	1.7	6.0	Z
19	c	4.5	6.0	3.4	6.0	3.2	6.0	2.9	6.0	N
19	c	5.0	6.0	5.2	6.0	4.7	6.0	4.1	6.0	E
20	c	1.6	6.0	1.6	6.0	1.6	6.0	1.6	6.0	Z
20	c	2.5	6.0	2.7	6.0	2.5	6.0	2.7	6.0	N
20	c	3.5	6.0	4.0	6.0	3.9	6.0	3.8	6.0	E
21	c	-	-	1.8	6.0	2.4	6.0	2.6	6.0	Z
21	c	2.8	6.0	3.5	6.0	3.5	6.0	3.5	6.0	N
21	c	4.2	6.0	4.2	6.0	4.9	6.0	5.8	6.0	E
22	c	-	-	2.8	6.0	2.6	6.0	2.6	6.0	Z
22	c	4.7	6.0	4.9	6.0	4.4	6.0	4.8	6.0	N
22	c	5.0	6.0	5.7	6.0	7.0	6.0	5.4	6.0	E
23	c	2.0	6.0	1.6	6.0	1.4	6.0	1.5	6.0	Z
23	c	3.6	6.0	3.7	6.0	2.8	6.0	2.3	6.0	N
23	c	5.0	6.0	4.7	6.0	4.0	6.0	3.8	6.0	E
24	c	1.2	6.0	1.2	6.0	1.1	6.0	1.2	6.0	Z
24	c	2.5	6.0	2.1	6.0	1.8	6.0	1.8	6.0	N
24	c	3.0	6.0	3.0	6.0	3.2	6.0	2.7	6.0	E
25	c	-	-	1.1	6.0	1.0	6.0	1.2	6.0	Z
25	c	1.4	6.0	1.4	6.0	1.4	6.0	1.6	6.0	N
25	c	2.3	6.0	2.5	6.0	2.5	6.0	2.3	6.0	E
26	c	-	-	1.5	6.0	1.7	6.0	2.3	6.0	Z
26	c	1.5	6.0	2.1	6.0	2.3	6.0	2.6	6.0	N
26	c	2.5	6.0	2.9	6.0	4.3	6.0	4.2	6.0	E
27	c	-	-	1.7	6.8	1.2	6.6	-	-	Z
27	c	3.3	6.4	3.4	6.4	2.2	6.7	1.9	6.4	N
27	c	1.9	5.2	2.1	6.4	3.3	5.8	2.2	5.6	E
28	c	-	-	0.8	6.0	1.0	6.0	1.1	6.0	Z
28	c	2.1	6.0	2.0	6.0	2.2	6.0	2.4	6.0	N
28	c	3.9	6.0	3.0	6.0	3.5	6.0	3.4	6.0	E
29	c	-	-	0.6	5.6	0.6	5.4	0.4	5.2	Z
29	c	1.6	5.6	1.2	5.2	1.2	5.6	1.7	5.2	N
29	c	2.3	5.0	2.2	5.4	2.4	5.3	2.3	5.8	E
30	c	0.5	6.0	0.6	6.8	0.5	6.2	0.3	6.6	Z
30	c	-	-	-	-	-	-	-	-	N
30	c	-	-	2.8	5.8	1.8	6.5	2.4	6.1	E
31	c	0.6	6.3	0.4	6.6	0.4	6.2	0.6	6.2	Z
31	c	1.7	6.2	1.4	6.4	1.8	5.8	1.2	6.3	N
31	c	-	-	-	-	-	-	-	-	E
April										
1	c	0.4	6.4	0.5	5.9	0.4	6.0	0.7	6.0	Z
1	c	1.1	5.8	1.7	6.0	1.9	6.2	1.4	6.5	N
1	c	-	-	-	-	-	-	-	-	E
2	c	-	-	0.8	6.3	0.6	6.4	0.8	6.6	Z
2	c	-	-	-	-	2.1	5.6	2.2	6.3	N
2	c	-	-	-	-	2.1	5.4	2.4	5.8	E
3	c	0.9	5.8	0.8	5.6	0.6	5.8	0.7	5.4	Z
3	c	1.9	5.8	2.2	5.9	3.2	5.8	2.1	5.5	N
3	c	-	-	2.2	5.8	1.7	5.8	1.7	5.7	E
4	c	0.6	5.0	0.7	5.8	0.4	5.9	0.4	5.3	Z
4	c	1.7	5.4	1.2	5.7	1.5	5.4	2.6	5.3	N
4	c	2.4	5.3	2.4	5.4	2.2	5.6	3.5	5.4	E

Date		00 h		06 h		12 h		18 h		
	k	u	sec	u	sec	u	sec	u	sec	Comp.
1958 April										
5	c	0.6	6.0	0.6	5.8	0.6	5.4	0.6	5.8	Z
5	c	1.7	5.8	1.5	5.8	1.1	5.4	1.3	5.6	N
5	c	1.6	5.4	1.9	5.5	1.8	5.4	2.7	5.4	E
6	c	0.7	5.4	0.6	5.4	0.8	5.4	1.2	5.4	Z
6	c	2.2	5.4	1.7	5.2	3.2	5.2	3.2	5.2	N
6	c	1.6	5.2	1.9	5.0	2.9	5.3	3.8	5.1	E
7	c	1.7	6.0	1.8	5.9	1.4	5.8	-	-	Z
7	c	3.6	5.6	3.7	5.4	4.3	6.2	2.9	5.6	N
7	c	4.6	6.0	5.8	6.0	5.2	5.2	4.2	5.6	E
8	c	-	-	1.1	5.4	1.6	5.4	-	-	Z
8	c	3.1	5.8	3.3	5.6	-	-	4.2	5.2	N
8	c	-	-	-	-	-	-	-	-	E
9	c	2.6	5.6	1.9	5.2	1.7	5.4	1.6	5.2	Z
9	c	4.7	5.2	4.6	5.1	4.3	5.0	4.4	5.3	N
9	c	-	-	-	-	-	-	-	-	E
10	c	-	-	1.3	5.2	1.1	5.6	0.8	5.5	Z
10	c	4.2	5.1	2.5	5.2	2.2	5.0	2.7	5.2	N
10	c	-	-	2.2	4.6	2.4	4.4	2.7	5.2	E
11	c	1.0	5.6	0.7	5.6	0.8	5.7	0.7	5.6	Z
11	c	1.9	5.3	1.8	5.6	0.9	5.6	1.5	5.5	N
11	c	-	-	2.7	5.4	3.8	5.4	2.8	5.2	E
12	c	1.1	5.4	1.0	5.8	0.9	5.6	0.6	5.6	Z
12	c	1.9	5.1	1.6	6.2	2.1	5.0	1.4	5.4	N
12	c	2.4	5.6	3.2	5.6	2.1	5.4	3.2	5.2	E
13	c	0.9	5.1	0.7	5.8	0.8	5.6	0.6	6.0	Z
13	c	0.9	5.6	1.8	5.4	2.2	5.2	1.1	5.7	N
13	c	2.6	5.3	1.9	5.2	1.9	5.7	1.5	5.2	E
14	c	1.0	6.0	0.9	6.2	0.7	6.4	1.7	6.8	Z
14	c	0.4	4.8	1.3	5.5	1.7	5.7	1.6	5.8	N
14	c	1.6	5.9	-	-	-	-	3.7	5.6	E
15	c	-	-	1.3	7.0	1.4	6.2	-	-	Z
15	c	1.3	6.9	1.0	6.2	1.4	6.0	2.2	6.4	N
15	c	-	-	-	-	-	-	-	-	E
16	c	1.2	7.0	1.3	5.9	1.4	7.0	1.8	6.4	Z
16	c	1.9	6.0	2.1	5.5	2.4	6.2	1.8	5.7	N
16	c	-	-	-	-	-	-	-	-	E
17	c	0.8	6.2	1.2	6.4	1.4	6.7	1.6	5.9	Z
17	c	1.1	6.0	1.3	6.2	1.7	5.7	1.6	5.7	N
17	c	-	-	-	-	-	-	3.2	5.0	E
18	c	1.2	5.8	0.8	5.5	0.9	5.4	0.8	5.8	Z
18	c	2.9	5.2	3.7	5.4	2.3	5.2	2.7	5.2	N
18	c	2.6	5.4	2.9	5.0	3.2	5.5	2.8	5.4	E
19	c	0.6	5.3	0.8	5.4	0.7	5.1	-	-	Z
19	c	2.2	5.2	2.9	5.6	2.6	5.8	2.4	4.8	N
19	c	2.3	5.8	1.6	5.2	2.4	5.2	3.0	4.6	E
20	c	1.0	4.8	0.9	5.0	1.2	5.2	0.9	5.0	Z
20	c	3.1	4.7	2.6	4.9	2.2	4.8	3.1	5.0	N
20	c	3.7	4.8	3.2	5.0	3.7	5.2	3.3	4.6	E
21	c	1.0	5.6	1.0	5.6	1.1	5.4	0.6	5.6	Z
21	c	2.1	4.6	2.1	5.4	2.1	5.3	1.9	5.4	N
21	c	3.4	4.8	2.6	5.4	3.2	5.5	2.7	5.5	E
22	c	0.9	5.2	1.0	5.5	0.5	5.3	0.9	7.0	Z
22	c	1.7	5.6	1.4	5.4	1.3	5.9	1.9	6.4	N
22	c	2.6	5.5	1.8	5.2	1.8	5.0	1.9	6.3	E
23	c	-	-	0.6	6.2	0.6	6.4	0.8	7.0	Z
23	c	1.7	6.4	2.1	6.4	2.7	6.6	2.2	5.4	N
23	c	-	-	2.4	6.0	2.3	6.6	2.9	6.6	E

Date		00 h		06 h		12 h		18 h		
	k	u	sec	u	sec	u	sec	u	sec	Comp.
1958 April										
24	c	0.6	6.8	0.9	6.4	1.0	6.2	1.2	6.6	Z
24	c	2.3	6.8	3.1	6.6	2.7	6.2	2.4	6.2	N
24	c	1.1	6.4	3.4	6.0	3.1	6.2	4.1	6.0	E
25	c	0.9	6.2	1.1	6.0	1.0	5.7	1.4	5.8	Z
25	c	3.1	6.3	3.3	5.8	3.1	5.7	3.7	6.1	N
25	c	3.7	5.8	4.3	5.9	3.2	5.9	4.4	5.7	E
26	c	1.4	5.8	1.9	6.0	1.4	5.5	1.6	5.4	Z
26	c	2.6	5.5	3.4	5.9	3.7	5.4	3.7	5.8	N
26	c	4.1	6.0	3.9	5.6	4.1	5.8	4.9	5.5	E
27	c	1.5	5.4	1.4	5.8	1.2	5.8	1.6	5.6	Z
27	c	2.6	5.4	2.9	5.4	3.2	5.8	3.5	5.4	N
27	c	4.7	5.3	3.6	5.2	4.1	5.2	4.1	5.4	E
28	c	-	-	1.7	6.6	1.7	6.6	2.1	6.8	Z
28	c	3.8	6.1	3.9	6.4	3.7	5.5	4.1	6.9	N
28	c	3.3	5.8	4.2	7.3	5.3	7.0	4.2	5.4	E
29	c	2.0	6.8	1.9	6.4	1.6	5.8	1.9	5.8	Z
29	c	4.2	5.6	4.3	5.5	5.6	6.3	4.8	5.8	N
29	c	4.4	5.4	3.9	6.0	4.6	6.0	4.2	6.5	E
30	c	1.5	6.2	1.3	5.6	1.3	5.6	0.7	6.2	Z
30	c	3.9	5.6	2.7	6.0	2.4	5.4	1.7	5.5	N
30	c	-	-	3.0	6.0	2.6	5.6	1.7	5.2	E
May										
1	c	0.9	5.5	0.7	5.8	1.1	5.6	0.8	6.0	Z
1	c	1.6	5.0	1.4	5.2	1.7	5.8	2.7	5.8	N
1	c	-	-	2.8	5.7	1.6	5.4	2.3	5.4	E
2	c	-	-	0.7	5.7	0.8	6.2	0.7	5.1	Z
2	c	1.7	5.3	1.8	5.2	1.9	5.2	2.1	4.6	N
2	c	-	-	-	-	-	-	-	-	E
3	c	0.4	5.4	0.4	4.6	0.3	5.8	0.6	5.2	Z
3	c	1.5	6.0	1.7	4.8	1.6	4.8	1.3	5.4	N
3	c	2.2	5.0	1.7	4.8	1.5	4.8	1.5	5.9	E
4	c	0.4	5.2	0.4	5.5	0.5	5.0	0.4	5.6	Z
4	c	1.1	5.0	1.2	5.2	0.9	5.4	1.2	5.2	N
4	c	1.1	5.4	1.2	5.7	1.5	5.0	1.2	5.1	E
5	c	1.0	5.0	0.8	5.0	0.9	5.0	0.9	5.0	Z
5	c	1.5	5.0	1.5	5.0	1.6	5.0	1.5	5.0	N
5	c	1.2	5.0	1.0	5.0	1.1	5.0	1.0	5.0	E
6	c	0.2	5.0	0.1	6.0	0.2	5.3	0.2	5.1	Z
6	c	0.7	5.0	0.6	5.3	0.6	5.2	0.8	5.2	N
6	c	-	-	0.9	4.8	0.8	4.9	1.1	4.8	E
7	c	0.3	6.5	0.3	5.8	0.3	5.8	0.3	5.2	Z
7	c	0.8	6.0	0.8	6.0	1.1	5.8	0.7	6.0	N
7	c	-	-	-	-	-	-	-	-	E
8	c	0.6	6.2	0.6	6.5	0.8	6.6	0.9	6.6	Z
8	c	0.9	6.0	1.7	5.4	1.6	5.6	1.2	6.0	N
8	c	1.0	4.8	1.4	5.5	2.3	5.8	2.2	6.5	E
9	c	0.7	7.0	0.8	7.1	0.6	6.4	0.4	5.6	Z
9	c	1.4	5.7	1.6	5.7	1.7	6.0	1.6	5.3	N
9	c	1.4	6.0	1.3	5.4	1.4	6.2	1.6	5.8	E
10	c	0.5	6.2	0.3	6.7	0.7	6.5	0.4	6.5	Z
10	c	1.2	5.0	1.1	5.4	1.0	4.8	1.3	5.0	N
10	c	-	-	1.4	5.4	1.4	4.9	1.0	5.0	E
11	c	-	-	0.4	5.5	0.4	6.0	0.3	6.6	Z
11	c	1.2	5.2	0.8	5.6	1.2	5.4	1.1	6.2	N
11	c	-	-	1.1	5.3	1.6	5.2	0.7	5.2	E
12	c	-	-	-	-	-	-	-	-	Z
12	c	-	-	-	-	-	-	-	-	N
12	c	-	-	-	-	-	-	-	-	E

Date	k	00 h u	00 h sec	06 h u	06 h sec	12 h u	12 h sec	18 h u	18 h sec	Comp.
1958										
May										
13	c	-	-	-	-	-	-	-	-	Z
13	c	2.6	5.6	2.8	6.0	3.5	6.0	2.7	5.9	N
13	c	-	-	2.3	6.0	3.0	5.0	3.8	5.2	E
14	c	0.9	5.9	0.7	5.6	0.8	5.5	0.9	5.7	Z
14	c	2.9	5.8	2.1	5.6	1.7	5.2	1.3	4.9	N
14	c	-	-	3.3	5.8	1.9	5.4	2.9	6.0	E
15	c	0.7	5.2	0.4	5.4	0.5	5.2	0.7	5.2	Z
15	c	1.2	5.2	1.4	5.3	1.2	5.2	1.7	5.0	N
15	c	2.1	5.4	2.4	5.2	2.1	5.2	1.5	5.0	E
16	c	-	-	-	-	-	-	-	-	Z
16	c	-	-	-	-	-	-	-	-	N
16	c	-	-	-	-	-	-	-	-	E
17	c	0.4	4.6	0.3	5.2	0.3	5.4	0.3	5.0	Z
17	c	0.7	4.8	0.7	4.8	0.7	5.0	0.7	4.6	N
17	c	-	-	1.4	5.0	1.7	4.8	1.3	5.0	E
18	c	0.1	4.8	-	-	0.4	5.2	0.4	5.7	Z
18	c	0.5	4.6	0.5	4.6	0.7	5.2	0.7	5.6	N
18	c	-	-	0.6	5.0	1.3	5.0	0.8	5.2	E
19	c	-	-	0.2	5.0	0.3	4.8	0.4	4.8	Z
19	c	0.6	5.0	0.8	5.0	0.9	5.5	0.7	5.2	N
19	c	-	-	1.1	5.0	0.7	5.0	1.2	4.7	E
20	c	0.2	4.6	0.2	5.2	0.3	5.2	0.3	5.0	Z
20	c	0.6	4.6	1.1	5.3	0.9	4.8	0.9	5.1	N
20	c	1.2	4.7	1.2	5.6	0.8	5.3	1.1	4.7	E
21	c	0.1	4.6	0.2	4.8	0.4	4.8	0.6	4.8	Z
21	c	0.7	4.7	1.1	5.0	1.5	4.8	1.5	4.8	N
21	c	1.1	5.0	1.3	4.6	1.9	5.0	1.4	5.0	E
22	c	-	-	0.6	6.0	0.7	6.0	0.5	5.4	Z
22	c	1.1	4.9	1.1	5.1	1.2	5.0	0.6	5.2	N
22	c	-	-	-	-	1.7	5.3	1.3	5.0	E
23	c	-	-	0.4	5.5	0.6	5.0	0.4	4.4	Z
23	c	0.8	5.2	1.3	5.8	1.1	5.8	0.4	4.6	N
23	c	0.7	5.6	1.3	5.4	1.6	5.6	1.4	4.9	E
24	c	0.7	6.6	0.3	6.6	0.7	5.6	0.5	6.4	Z
24	c	1.0	6.0	0.6	5.0	1.3	5.4	1.2	5.8	N
24	c	1.3	6.0	1.2	5.8	1.1	4.8	1.4	5.9	E
25	c	0.3	6.4	0.2	6.2	0.3	6.4	0.3	6.4	Z
25	c	0.8	5.2	0.8	6.0	0.8	5.2	0.9	5.6	N
25	c	1.7	5.9	1.1	5.6	1.6	5.4	2.2	5.2	E
26	c	0.3	5.3	0.4	5.6	0.3	5.1	0.3	4.7	Z
26	c	0.9	5.6	1.1	5.2	0.9	5.2	0.9	5.2	N
26	c	0.9	5.4	1.4	5.0	1.2	5.0	0.9	4.8	E
27	c	0.2	5.0	0.2	5.2	0.1	4.8	0.1	5.2	Z
27	c	0.6	5.2	0.8	5.1	0.4	4.6	0.2	5.4	N
27	c	-	-	1.1	5.2	0.7	5.1	1.0	4.8	E
28	c	-	-	0.4	5.7	0.4	6.2	0.4	6.6	Z
28	c	0.2	5.4	0.2	5.4	0.4	4.6	0.7	5.8	N
28	c	0.9	4.8	0.6	5.5	0.8	5.8	0.9	5.9	E
29	c	0.4	6.6	0.6	6.7	0.7	6.5	1.0	7.0	Z
29	c	0.9	6.6	0.9	6.4	1.2	6.4	1.4	5.6	N
29	c	0.8	5.0	1.2	6.6	2.1	6.2	2.7	6.7	E
30	c	1.2	6.8	1.0	6.2	0.7	6.0	0.7	6.0	Z
30	c	0.8	5.9	1.2	6.2	1.3	5.9	1.2	5.6	N
30	c	-	-	-	-	2.7	5.6	2.3	5.6	E
31	c	0.8	5.9	0.9	6.7	0.7	6.6	0.7	6.5	Z
31	c	1.6	5.6	1.3	6.2	1.3	5.9	0.7	5.6	N
31	c	1.4	6.0	1.9	6.4	2.2	5.3	1.9	5.9	E

Date	k	00 h u	00 h sec	06 h u	06 h sec	12 h u	12 h sec	18 h u	18 h sec	Comp.
1958										
June										
1	c	0.7	6.7	0.5	5.8	0.5	6.6	0.9	6.8	Z
1	c	1.6	5.9	1.3	5.4	1.3	5.6	1.6	6.2	N
1	c	1.4	4.8	2.2	5.5	2.2	5.5	1.7	6.5	E
2	c	-	-	-	-	-	-	-	-	Z
2	c	1.3	5.6	1.1	5.6	1.8	5.8	1.2	6.0	N
2	c	-	-	1.4	5.8	2.2	6.0	2.7	5.8	E
3	c	0.8	7.0	1.3	7.5	1.0	7.4	1.4	7.3	Z
3	c	1.6	6.0	1.4	5.4	1.3	7.2	1.5	7.4	N
3	c	1.8	5.5	-	-	-	-	-	-	E
4	c	0.9	7.6	0.9	7.2	0.9	7.9	0.9	7.6	Z
4	c	2.3	7.0	1.4	6.8	1.4	7.0	1.6	6.8	N
4	c	-	-	-	-	-	-	-	-	E
5	c	-	-	0.8	7.6	0.8	7.0	0.6	6.6	Z
5	c	1.8	7.6	1.3	7.0	1.6	6.4	1.0	6.2	N
5	c	-	-	2.3	6.2	2.6	6.7	2.1	6.0	E
6	c	0.5	6.6	0.5	6.4	0.5	6.8	0.6	7.0	Z
6	c	1.1	6.5	0.9	6.3	1.0	6.0	0.9	6.6	N
6	c	0.9	7.6	0.8	5.6	0.9	6.5	1.0	6.6	E
7	c	0.5	7.0	0.6	6.4	0.4	6.2	0.6	6.0	Z
7	c	0.8	6.2	1.0	6.0	0.4	5.8	0.5	5.8	N
7	c	1.3	5.8	1.4	6.7	1.3	6.2	1.7	6.0	E
8	c	0.4	5.9	0.2	5.4	0.3	5.8	0.4	5.8	Z
8	c	0.4	5.4	0.4	5.0	1.0	5.2	0.7	4.8	N
8	c	1.2	6.2	1.0	5.0	1.2	5.0	1.3	4.7	E
9	c	0.3	6.2	0.4	6.0	0.4	4.9	0.3	5.6	Z
9	c	0.8	5.8	0.7	5.8	0.6	6.2	0.7	4.9	N
9	c	0.5	5.8	0.6	6.0	1.3	5.6	1.6	5.2	E
10	c	0.3	6.0	0.4	5.7	0.6	5.4	0.6	5.0	Z
10	c	0.8	5.6	1.0	5.3	0.6	5.6	1.2	5.5	N
10	c	1.3	5.8	1.3	5.6	1.7	5.4	2.4	5.2	E
11	c	0.6	6.2	0.6	6.9	1.1	6.8	1.2	6.6	Z
11	c	1.2	4.8	1.3	6.4	1.3	6.2	2.0	6.4	N
11	c	1.8	4.6	2.6	6.4	4.0	5.9	3.4	6.0	E
12	c	1.3	6.4	0.7	6.2	0.7	6.0	1.1	6.0	Z
12	c	0.8	6.0	0.7	5.9	1.3	5.8	0.6	5.6	N
12	c	-	-	3.4	6.4	1.9	6.2	2.3	6.0	E
13	c	0.7	6.0	0.6	5.8	0.5	5.9	-	-	Z
13	c	1.7	5.3	2.3	5.4	1.4	5.7	1.2	6.0	N
13	c	2.3	6.1	2.4	5.9	3.2	5.6	2.4	5.4	E
14	c	0.7	6.0	0.9	6.2	0.8	6.6	0.9	6.7	Z
14	c	1.2	5.6	1.3	6.2	1.3	6.8	1.6	6.1	N
14	c	-	-	2.8	5.5	2.5	5.8	2.6	6.3	E
15	c	1.1	6.6	-	-	-	-	-	-	Z
15	c	1.8	5.8	2.0	6.4	2.1	5.7	2.3	6.2	N
15	c	2.6	6.0	3.7	6.1	3.7	6.3	2.6	5.6	E
16	c	1.7	7.2	1.2	7.5	0.8	7.2	1.1	7.9	Z
16	c	2.2	6.5	2.2	6.0	2.3	6.5	1.5	5.9	N
16	c	1.9	5.6	2.3	6.2	2.7	6.5	2.8	5.0	E
17	c	0.4	5.9	0.3	6.9	0.4	6.9	0.4	6.7	Z
17	c	1.9	5.8	0.9	5.2	0.5	5.0	0.3	4.6	N
17	c	-	-	1.3	5.0	1.6	4.8	1.3	4.4	E
18	c	0.5	6.6	0.4	5.8	0.4	6.4	0.4	6.4	Z
18	c	0.3	5.0	0.9	5.0	0.5	5.1	0.7	6.2	N
18	c	-	-	0.7	4.7	0.9	4.6	1.4	5.2	E
19	c	0.4	5.2	-	-	0.5	5.8	0.5	6.0	Z
19	c	0.5	5.6	0.7	4.8	1.2	5.4	0.4	4.6	N
19	c	0.7	5.9	1.3	5.2	0.5	4.7	0.9	4.3	E

Date		00 h		06 h		12 h		18 h		
	k	u	sec	u	sec	u	sec	u	sec	Comp.
1958 Jun										
20	c	0.4	5.9	0.4	4.5	0.6	5.2	0.7	5.9	Z
20	c	0.3	4.0	1.2	4.4	0.8	4.2	0.7	4.3	N
20	c	-	-	1.2	4.6	-	-	-	-	E
21	c	0.2	5.2	0.4	6.8	-	-	0.2	6.6	Z
21	c	0.7	4.2	0.7	4.2	0.4	NR	0.2	5.7	N
21	c	1.0	5.8	1.6	5.3	1.0	5.2	1.3	6.2	E
22	c	0.2	6.0	-	-	0.3	6.6	0.2	8.0	Z
22	c	0.2	5.9	0.5	4.8	0.2	5.5	0.2	7.0	N
22	c	1.0	6.5	-	-	0.5	5.9	0.6	5.8	E
23	c	-	-	0.5	7.3	0.3	7.2	0.3	6.6	Z
23	c	-	-	-	-	-	-	-	-	N
23	c	0.3	3.9	0.7	5.8	0.8	6.5	1.6	7.2	E
24	c	-	-	0.4	7.5	0.2	7.6	0.2	6.4	Z
24	c	0.7	6.8	0.5	6.8	0.4	6.8	0.6	6.0	N
24	c	0.5	-	0.8	6.8	1.3	5.8	0.8	6.4	E

5.5.6

I. G. Y. SEISMOLOGICAL BULLETIN

GEOLOGICAL SURVEY OF FIJI

SUVA, FIJI

By

S.S. Su and R.E. Houtz

25 June 1958 to 31 December 1958

LAMONT GEOLOGICAL OBSERVATORY
COLUMBIA UNIVERSITY
Palisades, New York
L.G.O. Contribution No. 422

STATION CONSTANTS, INSTRUMENTS, AND ABBREVIATIONS

Latitude: 18° 08' 56" South

Longitude: 178° 27' 26" East

Elevation: 6 meters

Bedrock: Pliocene marl-mudstone

One L.G.O. - I.G.Y. vertical seismograph
to = 30 sec. tg = 85 sec. (installed December 31, 1957)
(to changed to 15 sec. after July 8, 1958)

Two L.G.O. - I.G.Y. horizontal seismographs
to = 15 sec. tg = 85 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.

T(±) = period (first motion up, North, or East is +)

A = half amplitude in millimeters

Time - Synchronome Master Clock with invar pendulum corrected by radio time signals three times a day.

Date	Phase	Comp	h	m	s	T(±)	A	Km	Remarks
1958									
June 25	eP	z	02	25	33			861	
	eS	z		27	00				
June 25	iX	z	09	31	36				
June 25	eP	z	09	43	34	12+	6mm	4058	3S, 144½E
	eS	z		49	12				near north coast
	eX	e		53	37				of N. Guinea
	eX	z		54	03				Mag. 6¼-6½ (Pas.)
									H = 09 36 30
June 26	iP	z	04	00	47			1112	
	eS	z		02	41				
June 26	iP	z	04	49	48	8+	1.5		54½N, 159½E
	ipP	z		50	16	8+		8270	Kamchatka
	isP	z		50	28				deeper than normal
	epPP	z		53	05				Mag. 6½-6¾ (Pas.)
	eS	z		59	22				H = 04 38 12
	eLR	z	05	11	39				
June 27	eS	z	06	10	56				13N, 88½W, near
	eLR	z		28	41			10564	coast of El Salvador
									h about 60 km
									Mag. 6 (Pas.)
									H = 05 44 28
June 27	eX	z	07	10	28				
June 27	eX	z	18	43	01				
June 28	iP	z	08	34	49	7-	2mm	1223	
	eS	z		36	51				
June 28	eP	z	11	38	28	5-	1.5	1256	
	eS	z		40	33				
June 29	iP	z	09	16	52	8+	8mm		16½S, 172W
	iS	z		18	38			1045	Tonga Is.
									H = 09 14 37
June 29	iP	z	12	42	57	8-	4		15½S, 173W
	iS	z		44	42	10-	3	1034	Samoa Is. region
									H = 12 40 48
June 30									Records missing; only E-W component available.

Date	Phase	Comp	h m s	T(±)	A	Km	Remarks
1958							
July 1	eP	z	06 04 21				51½N 176½W
	ePPP	z	09 05			7784	Andreanof Is.
	eX	z	10 38				Aleutian Is.
	iS	z	13 33				Mag. 6 (Pas.) (Berk)
	eSS	z	17 41				H = 05 53 07
	eSSS?	z	21 21				
	eLR	z	23 23				
July 2	iP	z	04 49 20	6-	3		18S, 177W
	eS	z	50 19			470	Fiji Is.
	iPcP	z	55 43				H = 04 48 03
							h about 350 km.
July 2	eX	z	16 55 03				Samoa Islands Reg.
							H = 16 41 07
July 3	eX	z	06 13 02				
	eX	z	18 39				
July 3	iP	z	06 30 23	4-	1.5		29S, 179W
	esP	z	31 44			1223	Kermadec Is. Reg.
	iS	z	32 25				Mag. 6 (Pas.)
							6-6¼ (Berk)
							H = 06 27 44
							h about 400 km.
July 4	eP	z	00 21 29				19S, 173½W
	eLR	z	23 39			834	Tonga Islands
							H = 00 19 28
July 4	eX	z	13 16 43				About 250 miles
	eLR	z	26 44				north of Balleny
							Islands
							H = 13 05 37
July 4	eP	z	18 43 57				6N, 125E
	ePP	z	46 05			6505	near South coast
	eS	z	51 57				of Mindanao, P.I.
	eSS	z	56 12				H = 18 34 03
	eLR	z	19 02 20				
July 5	eX	z	13 55 47				
July 6	eX	z	11 16 20				
July 7	eX	z	15 44 39				
July 7	eX	z	16 16 00				

Date	Phase	Comp	h m s	T(±)	A	Km	Remarks
1958							
July 7	eX	z	17 49 10				
July 8	iP	z	06 08 40	6+	4mm		21½S, 174W
	iS		10 33			890	Tonga Islands
	eLR		10 39				H = 06 06 28
July 8	eX	z	12 31 18				
July 8	eX	z	19 49 57				
July 9	eX	z	06 07 37				
July 9	iP	z	13 55 52	8+	10		20½S 178½W
	eS	z	56 53				Fiji Islands
	eScP?	z	14 05 03				h about 600 km.
	ePcS?	z	05 44				H = 13 54 27
	eScS?	z	08 47				
July 9	eX	z	20 22 03				
July 10	iP	z	06 28 30	14-	10mm		58.6N 137.1W
	iPPP	n	33 32			9500	Southern Alaska
	eS	z	39 22				Mag. 7¾-8 (Pas.)
	iPS?	n	40 20				8 (Berk.)
							H = 06 15 51
July 11	eX	z	18 53 02				
July 11	eLR	z	19 57 40				21S, 69W
						11700	Northern Chile
							Mag. 6¼ (Berk.)
							6½ (Pas)
							H = 19 10 20
July 12	eS	z	01 10 04				5S, 106½W
	eLR	z	20 26			8100	Pacific Ocean
							Mag. 6 (Berk.)
							(Pas.)
							H = 00 48 30
July 12	eLR	z	03 45 14			3700	12N, 165E
							Marshall Islands
							H = 03 29 58
July 13	eP	z	04 43 14				

Date	Phase	Comp	h	m	s	T(±)	A	Km	Remarks
1958									
July 13	eP	z	12	08	21	3+	2.5		10S, 161½E
	ipP	z		08	36			2500	Solomon Islands
	iS	z		11	50				h about 100 km
	eLR	z		13	07				H = 12 03 50
July 16	eX	z	13	13	39				29½S, 113W
	eLR	z		23	31				South Pacific O.
									Mag. 6 (Berk.)
									H = 12 54 18
July 16	iP	z	16	57	44	2-	1.5		12S, 166½E
	iS	n	17	00	24			1600	Santa Cruz Is.
	iX	n		00	38				H = 16 54 17
	eX	z		00	47				
	eX	z		01	00				
July 16	eP	z	18	43	45				12S 166½E
	eS	n		46	22			1600	Santa Cruz Isl.
	eG	n		47	07				H = 18 40 21
July 16	eX	z	23	37	00				
July 17	eX	z	19	34	21				Andreanof Isl.
									H = 19 29 36
July 17	eX	z	21	11	21			7900	51N, 177½W
	eS	z		19	43				Andreanof Is.,
	eLR	z		31	11				Aleutian Is.
									H = 20 59 17
									Mag. 6 (Berk)
July 18	eX	z	00	51	37				51N, 176½W
	eX	z		58	04			7900	Andreanof Is.,
	eX	z	01	00	09				Aleutian Is.
	eLR	z		11	22				H = 00 39 18
									Mag. 5¾ (Berk.)
July 19	eLR	z	01	20	48				
July 19	esP	z	06	38	34			4780	4S, 138½E
	iS	n		44	05				New Guinea
	esS	z		44	40				H = 06 30 19
	iG	n		47	24				h about 150 km.
	isSS?	n		47	53				
July 19	iP	z	18	26	01	8-	8mm	5670	0, 129½E, Spice
	eS	z		33	14				Is.
	iSS	z		37	10				H = 18 16 52

Date	Phase	Comp	h	m	s	T(±)	A	Km	Remarks
1958									
July 21	eP	z	07	36	10				44½N, 147½E
	ePPP	z		40	34			7560	Kurile Islands
	eS	z		45	04				H = 07 24 58
	eSS	z		49	46				Mag. 6-6¼ (Berk.)
	eX	z		52	46				
	eLR	z		55	04				
July 21	eP	z	14	48	28			7784	51½N 178W
	ePP	z		51	22				Andreanof Islands
	eS	z		57	35				Aleutian Islands
	eX?	z	15	00	47				Mag. 6¾ (Berk.)
	eSS	z		01	51				H = 14 37 18
	eX?	z		05	33				
	eLR	z		08	52				
July 21	eP	e	19	48	34				m.m. 1-2
									(reported in
									northern Yasawas)
July 23	eP	z	10	37	35	14+	6	7110	31N, 142E
	ePPP	z		41	08				H = 10 27 19
	iS	z		45	56				South of Honshu,
	eX	z		48	37				Japan
	eSS?	z		50	58				
	eX			52	59				
	eX	z		55	04				
	eLR	z		57	44				
July 24	eX	z	13	40	22				
July 26	ePS	z	06	42	08			12000	40S, 45½E
	ePPS	z		43	10				South Indian O.
	eX	z		44	32				H = 06 13 50
	eSS	z		47	56				
	eX	z		51	49				
	eX	z	07	03	26				
	eLR	z		10	02				

Date	Phase	Comp	h	m	s	T(±)	A	Km	Remarks
1958									
July 26	eX	z	08	57	40				
July 26	eP	z	17	50	32				13½S, 69W
	ipP	z		53	37	14+	4	11890	Peru-Bolivia
	iX	z		53	19				border
	esP	z		54	08				H = 17 37 09
	iPP	z		55	02	8-	7		h about 650 km.
	iS	n	18	01	43				Mag. 7-7¼
	iSP	z		03	18				
	iPS	z		04	58				
	isS	n		05	40				
	iSS	n		09	44				
	iX	z		12	46				
	isSS	n		12	58				
	epPPPP	n		21	02				
July 27	iP	z	00	23	59	6+	1.5		20½S, 178½W
	iS	z		25	05	8-	5	390	Fiji Is. region
									h about 600 assumed
									h = 00 22 32
July 28	iP	z	17	26	03	3-	4.5		20S, 177½W
	iS	z		26	52	4-	3	480	Fiji Is. reg.
	isP	z		27	07	6+	6		H = 17 24 40
									h about 500 km
July 28	iP	z	21	24	56	4+	5		20S, 178½W
	iS	z		26	09	6-	1	490	Fiji Is. region
	isP	z		26	31	8-	3		H = 21 23 25
									h about 650 km.
July 29	eP	z	10	51	00				20½S, 175½W
	iS	n		52	13	20+	6	710	Tonga Islands
	iLR	z		52	32	14+	7		H = 10 49 27
July 30	eX	z	03	05	25				Kurile Islands
	eLR	z		18	54				H = 02 47 17
July 30	eP	z	04	52	46				2½S, 140E
	ePP	z		54	18			4610	New Guinea
	eX	z		56	24				H = 04 44 53
	eS	z		58	49				
	eX	z	05	01	50				
	iScS	z		02	59				
	eLR	z		05	40				
July 30	eX	z	15	23	50				South Pacific 0.
									H = 15 10 18

Date	Phase	Comp	h	m	s	T(±)	A	Km	Remarks
1958									
July 31	eX	z	03	39	30				
Aug. 1	iP	z	05	39	12	6-	10		16S, 176½W
	iS	z		40	16	8+	7	520	Fiji Is. region
									H = 05 37 50
									h about 450 km.
Aug. 1	iP	z	14	28	47	4+	2		19S, 177½W
	iS	n		29	48	8-	3	420	Fiji Isl.
									H = 14 27 31
									h about 500 km.
Aug. 3	iP	z	01	17	57	9+	22	3300	21½S, 179W
									Fiji Is. region
									h about 550 km.
									H = 01 06 24
									Mag. 6¼-6½ (Pas.)
Aug. 4	eP	z	04	21	55			5500	6S, 130E
	epP	z		22	37				Banda Sea
	esP	z		22	58				h about 150 km
	epPP	z		24	38				computed h = 200 km
	eS	z		28	49				H = 04 13 19
	esSS	z		33	33				
	eX	z		35	24				
	eLR	z		37	42				
Aug. 5	eP	z	17	24	01			880	24½S, 175W
	eX	z		24	48				Tonga Isl. reg.
	iS	z		26	23				H = 17 21 47
	eLR	z		27	12				
Aug. 7	eX	z	15	32	53				
Aug. 10	eX	z	18	21	10				New Britain Reg.
									H = 18 05 54
Aug. 11	eP	z	07	55	47			2300	18S, 168½E
	iX	z		55	58				
	eX	z		56	38				
	iS	z		57	44	8-	4		
	eLR	z		58	15				
Aug. 12	eX	z	07	20	53				
	eLR	z		24	58				

Date	Phase	Comp	h	m	s	T(±)	A	Km	Remarks
1958									
Aug. 12	iP	z	19	34	45	4-	1	6300	0, 126½E
	iPPP	z		38	20	10+	3		Molucca Passage
	iS	z		42	33	22-	9		H = 19 25 05
	eScS?	n		44	57				
	eSS	e		46	31				
	eX	z		48	40				
	eLR	z		51	30				
Aug. 13	eX	z	04	07	30				Molucca Passage
	eLR	z		20	10				H = 03 50 35
Aug. 13	iP	z	14	50	43	6+	2.5	560	17½S, 178W
	iS	z		51	44	7+	2		h about 550 km
									H = 14 49 17
Aug. 13	iP	z	16	53	36	2+	1	660	23½S, 180
	iS	z		54	52	6-	1		h about 550 km
									H = 16 51 55
Aug. 14	iP	z	09	47	21	6-	2	1030	23½S, 175½W
	iS	n		49	06				H = 09 45 14
Aug. 14	eX	z	12	49	34				
Aug 14	iP	z	15	06	30	6+	1.5	7750	52N, 175W
	ePP	z		09	20				Andreanof Isl.
	iX	z		11	55				Aleutian Isl
	eX	z		12	58				H = 14 55 10
	eS	z		15	27				Mag. 6½ (Pas.)
	eSS	z		19	46				
	eX	z		22	16				
	eLR	z		26	50				
Aug. 15	eX	z	02	41	40				New Britain
									H = 02 26 51
Aug. 15	iP	z	20	07	13	16+	2.5	8250	53N, 160½E
	ePP	z		10	21				Near east coast of
	ePPP	z		12	02				Kamchatka
	eS	z		16	38				H = 19 55 39
	eX	n		20	02				h about 60 km
	eSS	z		21	13				Mag. 6¾
	eSSS	z		24	56				
	eSSSS	z		26	31				
	eLR	z		28	25				

Date	Phase	Comp	h	m	s	T(±)	A	Km	Remarks
1958									
Aug. 15	iP	z	22	38	42	4-	12	6300	1.5N, 125E
	ePP	z		41	04				Celebes
	ePPP	z		42	52				H = 22 29 17
	esPPP	z		43	22				h about 200 km
	iS	z		46	22	16+	16		Mag. 6¾-7
	eX	z		48	53				
	eSSSS	z		53	32				
	eLR_1	z		56	36				
	eLR_2	z	23	02	09				
Aug. 16	eP	z	11	15	53			670	
	eS	z		17	32				
	eLR	z		18	33				
Aug. 16	iP	z	13	29	22	6-	2	8000	51½N, 176W
	ePcP	z		30	05				Andreanof Isl.,
	ePP	z		32	54				Aleutian Isl.
	eS	n		38	51				H = 13 17 52
	eX	z		41	22				
	eX	z		42	29				
	eX	z		45	29				
	eLR	z		49	15				
Aug. 16	ePKS	z	19	36	33			15000	34½N, 48E
	ePPP	z		38	18				Iran
	eX	z		47	26				H = 19 13 45
	eX	z		48	42				Mag. 6-6¼
	eLQ	n	20	11	15				
	eLR	z		19	15				
Aug. 16	eX	z	22	31	46				
Aug. 17	eP	z	02	04	00				
	eX	z		05	41				
	eLR	z		06	01				
Aug. 17	iP	z	09	19	26	4-	2	7720	51½N, 176W
	eX	z		20	21				Andreanof Islands
	eX	z		28	46				Aleutian Islands
	eX	n		29	30				H = 09 08 35
	iX	z		36	26				
	eLR	z		40	15				
Aug. 17	eX	z	12	26	15				

Date	Phase	Comp	h	m	s	T(±)	A	Km	Remarks
1958									
Aug. 17	iP	z	15	57	41	2+	2	834	
	iS	z		59	05	12+	3		
Aug. 17	iS	n	18	13	49				3S, 145½E
	iX	n		16	31				Bismarck Sea
									H = 18 01 05
Aug. 17	eP	z	21	15	20			2000	35½S, 179½W
	iS	z		18	43	12-	4		Kermadec Is.
	eLR	z		20	05				region
									H = 21 11 09
Aug. 19	eP	z	04	46	34			390	19S, 175E
	iS	n		47	14				Fiji Is. region
									H = 04 45 45
Aug. 19	eP	z	21	54	51			3940	1S, 149½E
	ePP	z		55	59				New Ireland Is.
	eS	z	22	00	22				H = 21 48 07
	eLR	z		04	33				
Aug. 20	iP	z	01	10	06	6+	1	667	
	eS	z		11	15				
Aug. 20	iP	z	03	43	09	8+	10	1390	14S, 167E
	iS	n		45	28	28+	30		New Hebrides Is.
	iLR	z		45	57				H = 03 40 07
									Mag. 6¼-6½ (Berk) (Pas)
Aug. 20	eX	z	09	54	56				
Aug. 20	iP	z	17	41	29	10-	3	920	19S, 170E
	iS	n		43	08	12+	4		New Hebrides Is.
									H = 17 39 38
Aug. 21	iP	z	01	11	03			890	24S, 176W
	iS	n		12	33				Tonga Islands
	iX	e		12	47				region
	iX	n		12	51				H = 01 09 00
	iX	z		13	00				
Aug. 21	iP	z	04	05	33				Tonga Is. region
	eX	z		07	29				H = 04 03 26
Aug. 22	eX	z	00	20	25				South Indian O.
	eLR	z		29	06				H = 00 01 21

Date	Phase	Comp	h	m	s	T(±)	A	Km	Remarks
1958									
Aug. 22	iX	z	04	23	43	3-	1		
Aug. 22	iP	z	09	59	27	3+	1	1100	15S, 167E
	eS	z	10	01	27				New Hebrides Is.
									H = 09 56 40
									h about 100 km
Aug. 22	eP	z	22	23	10			3560	5½S, 150E
	eS	z		28	02				Western New Britain
	ePcS	z		29	52				h about 250 km
	eLR	z		31	05				H = 22 16 48
Aug. 22	eLR	z	23	46	45				Pacific Ocean
									26½S, 115W
									H = 23 18 33
Aug. 23	eX	z	01	38	24				
Aug. 23	eX	z	08	05	45				Santa Cruz Isl.
									H = 07 59 09
Aug. 24	eX	z	15	44	15				
Aug. 24	eX	z	16	57	50				Near Luzon, Philippines
									H = 16 54 25
Aug. 25	eX	z	06	31	15				Tonga Isl. Reg.
									H = 06 27 12
Aug. 25	eX	z	08	30	15				Loyalty Is. Reg.
									H = 08 26 35
Aug. 26	iP	z	12	23	47	11-	4	1470	14S, 167E
	iS	z		26	13	18+	3		New Hebrides Is.
	iLR	z		26	41	18-	13		H = 12 20 43
Aug. 26	iP	z	12	48	08	8-	4	1420	14S, 167E
	eS	z		50	30				New Hebrides Is.
	iLR	z		50	38	18-	16		H = 12 45 02
Aug. 26	iP	e	17	58	31	10-	6	1300	14S, 167E
	eS	z	18	01	00				New Hebrides Is.
	eLR	z		01	33				H = 17 55 34
Aug. 26	eLR	z	23	29	19				New Hebrides
									H = 23 23 20

Date	Phase	Comp	h m s	T(±)	A	Km	Remarks
1958							
Aug. 26	iP	z	23 34 40	8+	4	1400	14S, 167E
	eS	e	37 00				New Hebrides Is.
	eLR	z	37 37				H = 23 31 38
Aug. 26	eX	z	23 51 07				New Hebrides
							H = 23 45 07
Aug. 27	eX	z	01 55 36				
Aug. 29	iX	z	02 22 48	4-	2.5		
Aug. 29	iP	z	12 27 26	6+	4	1440	14½S, 167E
	iS	n	29 48	20+	12		New Hebrides Is.
	iLR	z	30 38	17-	14		H = 12 24 23
							Mag 5¾-6 (Pas.)
Aug. 30	iP	z	12 31 07	6+	1.5	650	
	iS	e	32 09	7+	3.5		
Aug. 30	eLR	z	19 15 39				Gulf of Calif.
							H = 18 38 18
Aug. 31	eX	e	23 28 54				Central Alaska
	iP	n	29 15				H = 23 00 16
	eX	z	31 03				
Sept. 1	iP	z	00 59 16				24S 175½W
	eX	z	01 00 55				Tonga Is. reg.
							H = 00 57 10
Sept. 2	iP	z	02 31 34	4+	1.5	1800	10½S, 164½E
	eS	z	34 22				Santa Cruz Is.
	eLR	z	35 41				reg.
							H = 02 27 41
Sept. 2	eX	z	03 09 58				Solomon Islands
							H = 02 56 34
Sept. 2	eX	z	19 05 14				
	eLR	z	06 24				
Sept. 3	eLR	z	08 41 16				Honshu, Japan
							H = 08 10 26
Sept. 3	eX	z	04 56 41				Off coast of
							Guatemala
							H = 04 17 50
Sept. 4	iX	z	03 30 34	3+	2		

Date	Phase	Comp	h m s	T(±)	A	Km	Remarks
1958							
Sept. 4	iX	z	03 56 20	2-	1		
Sept. 4	eP	z	22 04 47			11000	53½S, 69½W
	ePP	z	08 46				Chile-Argentina
	eS	n	15 42				border
	ePS	z	17 26				H = 21 51 08
	eX	z	21 16				Mag. 6¾-7 (Pas)
	eSS	z	23 16				
	eX	z	30 13				
	eLR	z	35 56				
Sept. 4	eP	z	23 11 39			390	18½S, 178W
	eS	z	12 38				Fiji Is.
							h about 500 km
							H = 23 10 22
Sept. 6	eX	z	09 07 00				
Sept. 7	eX	z	04 53 22				Solomon Sea
	eX	z	55 26				H = 04 40 57
	eLR	z	56 12				
Sept. 8	eP	z	05 37 05			8250	53½N, 159E
	eS	z	46 35				Near E. coast of
	eLR	z	58 35				Kamchatka
							H = 05 25 37
							slightly deeper
							than normal
Sept. 8	eX	z	08 31 15				
	iX	z	31 36	4-	4.5		
	iX	z	31 38	3-	5		
Sept. 11	eX	z	04 33 04				
Sept. 11	eX	z	04 53 35				
	iX	e	54 03				
	iX	z	54 09	10+	5		
	iX	n	54 19				
Sept. 11	eP	z	18 11 37			6350	7½N, 126½E
	eX	z	11 52				near east coast
	eS	z	19 28				of Mindanao, P.I.
	eSS	z	23 37				H = 18 01 44
	eLR	z	29 42				

Date	Phase	Comp	h	m	s	T(±)	A	Km	Remarks
1958									
Sept. 12	eLR	z	06	18	13				Indian Ocean 41S, 78½E H = 05 37 46
Sept. 12	eX	z	16	25	23				
Sept. 14	eX	z	10	02	33				
Sept. 14	iP	z	14	34	37	6-	2.2	10100	57N, 121E
	eX	z		35	14				Stanovoi Mt. reg.
	ePP	z		38	02				Siberia
	eS	z		45	30				H = 14 21 37
	ePS	z		46	17				Mag. 6¼-6½ (Pas)
	ePPS	z		46	30				
	eX	z		57	53				
	eLR	z	15	02	15				
Sept. 15	eP?	z	01	41	22				
	eX	z		43	41				
	eX	z		45	06				
Sept. 15	eP	z	16	51	51			1700	33S, 179W
	ePP	z		52	41				Kermadec Is. reg.
	eX	z		54	41				H = 16 48 10
Sept. 15	iP	z	19	55	01	8-	13	6650	2½N, 120½E
	isP	z		58	04	12+	6		Celebes Sea
	esPP	z	20	00	15				H = 19 45 40
	iS	z		02	18	13+	11		h about 600 km
	esS	z		05	49				Mag. 6-6¼ (Pas)
	eSS	e		06	12				
	eX	z		10	16				
	ePKKP	z		17	19				
Sept. 16	eX	n	12	48	53				Tonga Islands H = 12 45 23
Sept. 17	eX	z	12	37	13				Kurile Islands
	eLR	z		46	47				H = 12 23 50
Sept. 17	eLR	z	15	35	53				
Sept. 18	eX	z	01	57	23				
Sept. 18	eX	z	07	11	56				Near New Guinea H = 06 51 59

Date	Phase	Comp	h	m	s	T(±)	A	Km	Remarks
1958									
Sept. 18	eX	z	15	52	22				Mid-Atlantic 0. H = 14 41 40
Sept. 19	eX	z	08	39	54				Molucca Passage H = 08 12 33
Sept. 20	iP	z	17	14	57	12+	6	3000	6½S, 154½E
	iS	e		19	22	16+	6		Solomon Islands
	eLR	z		22	21				H = 17 09 24
Sept. 20	iP	z	17	19	55½			780	400 miles south
	eS	e		21	16				of Fiji super- imposed on pre- vious shock H = 17 18 43
Sept. 21	eLR	z	06	12	52				
Sept. 21	iP	z	13	31	04	6-	3.5	800	15S, 174W
	esP	z		31	38				Samoa Isl. reg.
	eS	z		32	35				H = 13 29 03
	eLR	z		32	56				h about 150 km
Sept. 22	iP	z	19	09	28	6-	2.7	1780	33½S, 177½W
	iS	z		12	24	11+	9		Kermadec Isl. reg.
									Mag. 6¾ (Pas)
									H = 19 05 44
Sept. 22	eP	z	22	54	14			1050	16½S, 168½E
	eX	z		56	20				New Hebrides Isl.
	eX	n		57	58				H = 22 51 44
Sept. 24	eX	z	04	07	55			8900	40½N, 125½W
	eX	z		19	19				W. coast of north-
	eLR	z		21	56				ern California
									H = 03 50 06
									Mag. 5-5¼ (Berk)
Sept. 25	ePKS	z	07	43	59			16000	9N, 39½W
	eX	z		47	07				Atlantic 0.
	eX	z		55	25				H = 07 20 01
	eX	z		56	23				Mag. 6½ (Pas)
	eX	z	08	02	03				
	eLQ	n		19	44				
	eX	z		22	18				
	eLR_1	z		26	35				
	eLR_2	z	09	06	24				

Date	Phase	Comp	h m s	T(±)	A	Km	Remarks
1958							
Sept. 25	eX	z	14 59 56				Southwest of Fiji
	eLR	z	15 00 56				
Sept. 25	eLR	z	15 23 02				Kermadec Isl. H = 15 15 37
Sept. 27	iP	z	13 57 03	4+	1.5	750	15S, 174W
	iX	z	57 34	10+	3.5		Samoa Isl. reg.
	iS	z	58 32	12+	6		H = 13 55 02
	iLR	z	58 52				H about 150 km
Sept. 29	iP	z	00 05 59	5-	1.5	800	16½S, 173W
	eLR	z	08 01				Tonga Isl. reg. H = 00 03 46
Sept. 30	eLR	z	01 35 15				
Sept. 30	eP	z	02 48 54			700	southeast of Fiji
	eS	z	50 44				
	eLR	z	51 02				
Oct. 1	eLR	z	05 53 15				near Luzon, Philippines H = 05 21 01
Oct. 1	eX	z	06 38 42				Santa Cruz Isl. H = 06 31 33
Oct. 1	eX	z	07 43 40				
Oct. 1	iP	z	09 38 01	8+	3.6	5100	57S, 147E
	ePP	z	39 54				Antarctic O.
	iPPP	z	40 31	8-	4		SW of Macquarie Is.
	eS	z	44 43				H = 09 29 43
	iX	z	45 30				Mag. 6¼
	eX	z	48 41				
	eLR	z	50 15				
Oct. 2	eLR	z	05 14 26				Sandwich Isl. H = 04 25 27
Oct. 2	eP	z	15 10 45			6450	7½N, 127E
	iPPP	z	14 20	4+	1		off east coast of
	eSS	z	23 19				Mindanao, P.I.
	eLR	z	28 10				H = 15 00 50
Oct. 4	eX	z	04 10 10				New Hebrides H = 04 04 10

Date	Phase	Comp	h m s	T(±)	A	Km	Remarks
1958							
Oct. 4	eX	z	04 50 40				
Oct. 7	eX	z	03 20 08				
Oct. 7	eX	z	03 33 38				
Oct. 7	eX	z	06 07 53				
Oct. 7	iP	z	12 38 40	9-	5.2	3200	5S, 151½E
	iPP	z	39 21	10-	3.7		New Britain
	ePcP?	z	41 21				H = 12 32 40
	eS	n	43 27				Mag. 6¼-½
	eLQ	n	45 15				
	eLR	z	46 03				
Oct. 8	iP	z	03 15 57	6+	1.5	1360	29S, 179W
	eS	z	18 13				Kermadec Is.
							H = 03 12 55
Oct. 8	iP	z	04 46 50	6+	1.2	1270	29S, 178W
	eS	z	48 57				Kermadec Isl.
							H = 04 44 06
Oct. 8	eLR	z	05 33 23				
Oct. 8	iP	z	10 19 52	5+	1	1500	Kermadec Is.
	eS	z	22 38				region
Oct. 8	iP	z	11 15 34	6+	2	1230	29S, 177½W
	eS	z	17 38				Kermadec Isl.
							H = 11 12 50
Oct. 8	eX	z	13 28 23				
Oct. 8	eX	z	14 13 08				Solomon Isl.
							H = 14 00 47
Oct. 8	iP	z	15 41 02	6+	1	1280	29S, 178W
	eS	z	43 10				Kermadec Isl.
							H = 15 38 17
Oct. 8	iP?	z	18 02 34	6+	1	1310	29S, 178W
	eS?	z	04 45				Kermadec Isl.
	eLR	z	05 32				
Oct. 8	eX	z	22 31 57				
Oct. 9	iP	z	01 46 29	5+	1		
	eX	z	48 59				

Date	Phase	Comp	h m s	T(±)	A	Km	Remarks
1958							
Oct. 9	eP	z	04 12 36				
	eX	z	14 58				
Oct. 9	eX	z	07 40 02				
Oct. 9	eX	z	10 08 08				
Oct. 9	ePP	z	11 38 37			11500	55½S, 27½W
	eX	z	42 34				Sandwich Is. reg.
	ePS	z	47 38				H = 11 20 17
	eX	n	48 14				
	eX	n	48 49				
	eSS	z	51 38				
	ePSPS?	n	53 58				
	eSSS	z	57 44				
	eX	z	12 01 20				
	eLR	z	08 28				
Oct. 9	eX	z	16 54 08				
Oct. 9	eX	z	23 16 52				
Oct. 10	eX	z	01 20 35				
Oct. 10	eX	z	01 35 32				
Oct. 10	eX	z	05 46 48				
Oct. 10	eX	z	06 39 36				
Oct. 10	eLR	z	09 03 38				near east coast of Kamchatka
							H = 08 30 26
Oct. 10	eX	z	12 03 28				South coast of Mindanao, P.I.
							H = 11 35 24
Oct. 11	eX	z	21 29 27				
Oct. 11	eX	z	21 46 03				
Oct. 15	eX	z	07 58 48				
Oct. 15	iP	z	11 34 46	2-	1	1500	31S, 178½W
	eS	z	35 21				Kermadec Isl.
							H = 11 31 30

Date	Phase	Comp	h m s	T(±)	A	Km	Remarks
1958							
Oct. 15	eLR	z	17 07 43				New Hebrides
							H = 17 03 10
Oct. 16	eX	z	03 23 28				
Oct. 16	iP	z	18 05 26	2+	1	1570	11S, 167E
	iX	z	06 04	6+	1		Santa Cruz Is.
	iS	z	08 04	2.0-	3.5		H = 18 02 01
	ePcP	z	10 30				h about 100 km
Oct. 17	iP	z	10 25 16	2+	1.5	480	19½S, 177½W
	iS	n	26 16	2+	3		Fiji Islands
							H = 10 23 56
							h about 400 km
Oct. 19	iP	z	01 56 10	6+	5.5	1000	19S, 172½W
	iLR	z	58 23	16-	13.5		Tonga Isl.
							H = 01 53 54
Oct. 19	iP	z	11 46 35	7-	2.5	1880	34½S, 178W
	eX	z	50 46				Kermadec Isl.
							H = 11 42 42
Oct. 19	eP	z	15 38 30				
	eX	z	41 06				
Oct. 20	eS?	z	01 16 01			7700	52N, 175W
	eX	z	16 42				Andreanof Isl.
	eLR	z	27 35				Aleutian Isl.
							H = 00 55 34
Oct. 20	eP	z	01 23 11			7200	9½S, 112½E
	eS	z	31 47				off South coast of
	eSS	n	36 15				Java
	eX	z	39 15				H = 01 12 30
	eLR	z	43 05				
Oct. 21	iP	z	06 21 33	8+	2.5	3700	5½S, 147E
	iPP	z	22 49	4+	1.2		near NE coast of
	eS	n	26 49				New Guinea
	eLR	z	29 05				H = 06 14 50
Oct. 21	eX	z	16 19 17				
Oct. 22	eX	z	22 33 11				

Date	Phase	Comp	h m s	T(±)	A	Km	Remarks
1958							
Oct. 22	iP	z	23 45 27	17-	9	1250	14½S, 168E
	iS	n	47 33	18-	12.5		New Hebrides Is.
	eLR	z	48 01				H = 23 42 47
Oct. 23	eX	z	16 49 49				Samoa Islands
							H = 16 45 12
Oct. 24	eX	z	21 40 33				Molucca Passage
							H = 21 13 06
Oct. 25	iP	z	00 53 00	2+	1.2		
	iS?	z	53 58	6+	2.2		
Oct. 25	eX	z	10 12 27				
Oct. 25	eX	z	13 06 19				
Oct. 27	iP	z	15 06 46	6+	1.2	890	23½S, 175½W
	iPP	z	07 22	4+	1		Tonga Is. reg.
	eS	z	08 49				H = 15 04 44
	eLR	z	09 46				
Oct. 28	eLR	z	04 37 05				Antarctic O.
							H = 04 14 55
Oct. 28	eX	z	10 04 30				
Oct. 29	eP	z	00 03 34				Andreanof Isl.
	eS?	z	05 49				H = 23 50 08 (Oct. 28)
Oct. 29	eP	z	03 28 25			1334	
	eS	z	30 37				
Oct. 29	iP	z	07 55 22	12-	3.2	7830	5½N, 179½E
	iX	z	56 44	14+	3.8		Mag. 6¼-½
	iPP	z	58 06	8+	2		Andreanof Isl.
	eS	z	08 04 31				Aleutian Isl.
	eSS?	z	08 54				H = 07 44 10
	eX	z	11 02				
	eLR	z	15 52				
Oct. 30	iP	z	10 06 50	3+	1.5	800	20½S, 176W
	iS	z	08 02	4+	2.5		Tonga Isl. reg.
							H = 10 05 00
							Deeper than normal

Date	Phase	Comp	h m s	T(±)	A	Km	Remarks
1958							
Oct. 31	eS	z	19 15 31			3900	3½S, 143½E
	eX	z	15 56				New Guinea
	eLR	z	18 33				H = 19 02 54
Nov. 1	eP	z	03 45 06			3480	3S, 150E
	iPPP	z	46 47	7-	4		Bismark Sea
	iS	z	50 09	10+	5.5		H = 03 38 35
	iSS	n	52 10	44+	29		
	iSSS	z	53 12	32+	18		
	iPcS	z	54 12	18+	11.5		
	iLR	z	54 30	25+	12.5		
Nov. 1	eS	z	06 19 26			3900	3½S, 145½E
	eLR	z	24 04				off N. coast of
							New Guinea
							H = 06 06 47
Nov. 1	eS	z	12 10 57				17½S, 168E
	iLR	z	13 26				
Nov. 1	iX	e	12 18 12	6+	4.4		17½S, 169E
Nov. 1	iP	z	12 19 10	18+	40	1200	17½S, 168E
	iS	z	21 11	14-	28		New Hebrides Is.
	iLR	z	21 37	22			H = 12 16 36
							Mag. 6-6¼
Nov. 1	iP	z	15 52 48	18+	19.5	1200	17½S, 168E
	iS	e	54 57	18+	7.5		New Hebrides Is.
	iLR	z	55 20	20			H = 15 50 10
							aftershocks
Nov. 1	eX	z	17 34 13				New Hebrides
							H = 17 25 45
Nov. 1	eX	z	18 06 17				
Nov. 1	eX	z	19 31 25				New Hebrides
							H = 19 26 09
Nov. 1	eX	z	19 43 50				
Nov. 1	eX	z	23 34 04				
Nov. 2	eX	z	08 04 16				

Date	Phase	Comp	h	m	s	T(±)	A	Km	Remarks
1958									
Nov. 3	eX	z	00	00	38				
Nov. 3	eX	n	04	06	51				31S, 177½W
	eX	z		07	24				Kermadec Isl.
									H = 04 00 30
Nov. 4	eS	z	08	45	21	12		6450	28N, 140½E
	eX	z		47	24	6			Bonim Is. reg.
	eX	z		49	12	6			H = 08 28 28
	eLR	z		55	30				
Nov. 4	eX	z	23	20	30				50S, 115W
	eLR	n		22	56				
Nov. 4	eP	z	23	37	31			1200	17½S, 168E
	eLR	z		40	01				New Hebrides Is.
									H = 23 34 50
Nov. 5	eP	z	04	30	31			1200	17S, 168E
	eLR	z		32	47				New Hebrides Is.
									H = 04 27 50
Nov. 5	eLR	z	06	36	48				
Nov. 6	eX	z	21	29	05				
Nov. 6	iP	n	23	09	11	32-	33	7670	44½N, 148½E
	iS	n		18	01				Kurile Isl.
	iSS?	n		22	15				Mag. 8-8¼
									h about 60 km
									H = 22 58 06
									minor seismic sea wave
Nov. 7	eX	z	05	31	55				44½N, 149E
	eLR	z		41	09				
Nov. 7	iP	z	07	48	23	6+	6	about	
	iS	z		49	24	8+	6	600	
Nov. 7	eX	z	11	56	25				44½N, 149E
	eLR	z		58	05				H = 11 24 25
Nov. 7	iP	z	20	25	26	14+	4.5		short periods
	iX	z		26	15	13+	31		

Date	Phase	Comp	h	m	s	T(±)	A	Km	Remarks
1958									
Nov. 8	eP	z	09	34	28			8100	52N, 159½E
	ePP	z		37	07				off S-E coast of
	eS	z		43	50				Kamchatka
	eSS	z		48	02				H = 09 22 53
	eX	z		53	25				
	eLR	z		55	55				
Nov. 9	eX	z	00	36	41				
Nov. 9	eX	z	03	47	53				Kurile Islands
									H = 03 14 47
Nov. 9	eX	z	10	51	33				Kurile Islands
									H = 10 17 30
Nov. 9	eX	z	15	17	29				Kurile Islands
									H = 14 33 17
Nov. 9	eX	z	18	28	53				Kurile Islands
									H = 17 52 52
Nov. 9	eX	z	21	39	45				Kurile Islands
									H = 21 04 46
Nov. 10	eX	z	11	06	10				
Nov. 10	eX	z	13	03	31				
Nov. 11	eX	z	11	58	01				
Nov. 12	eP	z	10	45	05			2700	7S, 156E
	ipP	z		45	23				Solomon Is.
	epP	z		45	39				H = 10 39 47
	ePP	z		46	01				h about 100
	eS	z		49	16				
	eSS	z		50	09				
	eX	z		50	44				
	ePcS	z		52	16				
	eScS	z		55	55				
Nov. 12	eP?	z	18	17	31				Kurile Islands
	eS	z		19	47				H = 17 44 11

Date	Phase	Comp	h	m	s	T(±)	A	Km	Remarks
1958									
Nov. 12	eP	n	20	34	30			7500	44½N, 148½E
	eX	n		35	33				Kurile Islands
	ePP	n		36	53				Mag. 6¾-7
	eX	n		37	36				H = 20 23 26
									record changed during shock
Nov. 14	eX	z	01	48	04				
Nov. 14	eS	z	05	24	56			7900	36S, 102W
	eX	z		33	10				South Pacific O.
	eLR	z		36	28				H = 05 04 25
Nov. 14	eLR	z	06	07	04				
Nov. 14	iX	z	13	57	14			5200	6S, 131E
	eX	z		57	54				Banda Sea
	iPPP	z		59	23	4+	1.5		H = 13 48 20
	eS	z	14	03	43				
	iSSS	z		07	41				
	eX	z		08	44				
	eLR	z		11	41				
Nov. 14	eX	z	16	07	35				Nicaragua
									H = 15 22 16
Nov. 15	eX	z	04	28	43				
Nov. 15	eP	z	09	11	46			7500	44N, 149E
	iX	z		18	01				Kurile Islands
	eS	z		20	24				Mag. 6½-7¼
	eX	z		20	51				H = 09 00 45
	iScS?	z		21	40				
	eX	z		28	30				
	ePKKP	z		31	13				
Nov. 15	eP	e	19	17	24	5+	3	1000	15½S, 177½W
	eS	e		19	10				Samoa Isl. reg.
	eLr	e		19	30				H = 19 15 03
Nov. 16	eX	z	05	32	11				
Nov. 16	eX	z	10	00	32				
Nov. 16	iP	e	17	47	13	7+	12.5	1100	16S, 172W
	iX	e		47	27				Samoa Isl. reg.
	iS	e		49	02				Mag. 6¼
	iLr	e		49	23				H = 17 44 48

Date	Phase	Comp	h	m	s	T(±)	A	Km	Remarks
1958									
Nov. 16	eP	e	18	04	54			1110	20S, 169E
	iS	e		06	45				Loyalty Is.
	iLr	e		07	06				H = 18 02 25
Nov. 17	iP	z	09	50	41	9+	4.5	2000	10½S, 162½E
	iX	z		52	13	10+	2		Solomon Is.
	eS	z		54	09				H = 09 46 30
	eLr	z		55	27				
Nov. 17	eX	z	16	58	21				
	eX	z		58	45				
	eLr	z		58	59				
Nov. 17	eP	z	18	47	19			1080	20½S, 169E
	eS	z		49	08				Loyalty Is.
	eLr	z		49	28				H = 18 44 49
Nov. 18	eX	z	04	59	02				
Nov. 18	eLr	z	08	17	00				Andreanof Is.
									H = 07 45 20
Nov. 18	eX	z	19	14	13				Kurile Islands
									H = 18 33 00
Nov. 19	iX	z	03	57	34	6+	1	1200	31S, 179W
	eS?	z		59	10				Kermadec Isl.
	eX	z		59	58				H = 03 53 56
Nov. 19	eS	z	09	43	52			7660	44N, 149E
	eLr	z		55	08				Kurile Islands
									H = 09 23 51
									h about 60 km
									heavy micro-seisms
Nov. 20	eX	z	06	10	23				heavy micro-seisms
Nov. 20	eX	z	14	50	00				heavy micro-seisms
Nov. 21	eX	z	08	16	50				heavy micro-seisms
Nov. 21	iX	z	14	17	38	4-	1		heavy micro-seisms

Date	Phase	Comp	h	m	s	T(±)	A	Km	Remarks
1958									
Nov. 23	eX	z	02	54	22				
Nov. 25	eX	z	09	43	38				Honshu, Japan H = 09 12 54
Nov. 25	eX	z	13	18	11			3890	16½S, 173W
Nov. 27	eLr	z	14	03	00				northeast of Balleny Islands H = 13 41 47
Nov. 27	eP?	z	14	12	13				
	eX	z		13	51				
	eX	z		14	21				
	eLr	z		14	36				
Nov. 30	eP	z	01	42	59			6800	32N, 137½E Mag. 6
	ePcP	z		43	37				
	eS	z		51	20				South of Honshu, Japan
	eLr	z	02	01	10				H = 01 32 41
Nov. 30	eP	z	03	41	58			378	
	iS	z		42	36				
Dec. 1	eX	z	03	31	58				California-Mexico border H = 03 21 17
Dec. 1	eX	z	05	07	04				about 700 miles S-E of Easter I. H = 04 45 28
Dec. 2	eP?	z	23	25	00				
	eX	z		26	24				
	eX	z		26	50				
Dec. 3	eP	z	09	59	41			7450	19N, 121½E near N. coast of Luzon, P.I.
	eS	z	10	09	05				
	eLr	z		20	30				H = 09 48 26
Dec. 4	eX	z	04	51	34				
Dec. 4	eX	z	19	54	44			10950	11½N, 86½W h about 100
	eLr	z	20	04	30				H = 19 19 23

Date	Phase	Comp	h	m	s	T(±)	A	Km	Remarks
1958									
Dec. 6	eX	z	06	24	33				
	eX	z		41	34				
Dec. 6	eX	z	10	19	51				South of Panama H = 09 33 45
Dec. 7	eLr	z	03	13	40				Taland Islands H = 02 45 49
Dec. 7	eX	z	06	38	45				Bismarck Sea H = 06 21 46
Dec. 7	eLr	z	18	35	53			9280	18N, 105W h = 100 H = 17 58 08 Mag. 6
Dec. 8	eS	z	12	28	43			7500	44N, 149½E
	eLr	z		40	53				H = 12 08 23
Dec. 9	eX	z	02	43	09				
	eLr	z		46	31				
Dec. 9	eP	z	12	20	42			1200	14½S, 167E
	eS	e		22	52				H = 12 17 47
Dec. 10	iP	z	07	07	00	5+	47	2100	37S, 176½E
	iSP	z		08	18	14-	74		H = 07 02 59
	iS	z		10	15	23-	32		h about 300
	iPcP	z		11	06				Mag. 6¾
	iX	z		12	05				
	iPcS?	z		14	23				
	iScS	n		18	06				
Dec. 10	iP?	z	10	00	09				
	iS?	n		00	32				
Dec. 10	eX	z	16	44	56				off west coast of Colombia
	eX	z		46	24				H = 16 11 02
Dec. 10	eX	z	22	27	00			9150	24½N, 109W H = 21 49 20 Mag. 5¾
Dec. 12	eX	z	08	53	23				

Date	Phase	Comp	h	m	s	T(±)	A	Km	Remarks
1958									
Dec. 12	eX	z	14	24	20	h.f.			
	eX	z		24	46				
Dec. 12	eX	z	15	01	24				
Dec. 12	eX	z	18	12	04	h.f.			
	eX	z		12	30				
Dec. 12	eX	z	18	17	40	h.f.			
	eX	z		18	04				
Dec. 12	eX	z	18	54	18				
	eX	z		54	40				
Dec. 14	eP?	z	07	22	03			7370	35S, 108½W
	eS?	z		31	16				H = 07 11 28
	eSS?	z		33	59				Mag. 6
	eX	z		37	46				
	eX	z		38	44				
	eX	z		40	47				
	eLr	z		41	49				
Dec. 15	iP	z	12	43	40			1510	31S, 177½W
	eLr	z		46	42				H = 12 40 27
Dec. 16	eX	z	03	22	49				about 450 miles south of Fiji
Dec. 17	eLr	z	02	59	41			8310	55N, 162W
Dec. 17	eP	z	20	40	02			3060	4½S, 153½E
	eS	z		44	20				H = 20 33 58
	eLr	z		47	18				
Dec. 18	eX	z	08	01	20				Near Luzon, P.I.
	eX	z		02	28				H = 07 26 16
Dec. 18	eX	z	13	29	28				
Dec. 18	iP	e	19	26	06			900	16S, 173W
	iL	e		28	22				H = 19 23 53
Dec. 19	iP	z	05	30	26				
Dec. 19	eLr	z	10	21	45				
Dec. 19	eX	z	11	21	14				

Date	Phase	Comp	h	m	s	T(±)	A	Km	Remarks
1958									
Dec. 19	eLr	z	12	01	44				Southern Peru
									H = 11 14 40
Dec. 19	eX	z	19	07	40				
Dec. 20	eX	z	19	53	00			7500	28½N, 127½E
									H = 19 20 43
Dec. 21	eLr	z	06	39	30				Western Sinkiang, China
									H = 05 46 26
Dec. 22	eX	z	02	28	46			2860	6S, 155E
	eLr	z		31	02				H = 02 17 14
Dec. 22	iX	z	07	58	40				Tonga Islands region
	eX	z	08	00	03				H = 07 56 06
Dec. 22	eX	z	17	41	03				
Dec. 22	eX?	z	19	24	46				
	eX?	z		28	04				
	iLr	z		28	41				
Dec. 23	eLr	z	03	34	38				Tonga Islands
									H = 03 30 18
Dec. 23	eX	z	19	23	54				
Dec. 23	eLr	z	19	42	34				
Dec. 24	eX	z	06	37	36				
Dec. 24	eP	z	20	37	42			1170	18S, 169E
	eS	z		39	36				H = 20 35 20
	eLr	z		39	51				
Dec. 24	eP	z	22	13	16			1220	18S, 169E
	eS	z		15	19				H = 22 10 56
Dec. 25	iP	z	08	11	42	18+	8.4	3270	5½S, 151½E
	iPP	z		12	39		2.6		Mag. 6¾
	iPPP	z		12	48		5		H = 08 05 33
	iX	z		15	26				
	iS	z		16	32				
	eX	z		17	34				
	eX	z		19	16				
	eLr	z		20	08				

Date	Phase	Comp	h	m	s	T(±)	A	Km	Remarks
1958									
Dec. 26	iP	z	05	52	39	6+	3	500	south of Fiji
	iS	n		53	50	6-	8.5		h about 600
									H = 05 51 04
Dec. 26	eX	z	23	27	27				
	iLr	z		28	04				
Dec. 28	eX	z	06	32	05				
Dec. 28	eX	z	06	47	15				Fiji Islands
									H = 06 44 55
									h about 550 km
Dec. 28	eX	z	22	49	53				
Dec. 30	eP	z	08	49	03			7600	35½S, 105½W
	eX	z		50	16				Mag. 6
	ePP?	Z		52	28				
	ePPP?	z		54	10				
	eS	z		58	00				
	eX	z	09	06	48				
	eLr	z		08	58				
Dec. 31	eX	z	01	38	44				Samoa Islands
									H = 01 34 15
Dec. 31	iP	z	01	47	26	7+	28	620	23S, 178½W
	iS	z		48	36	14+	27		h about 400
									H = 01 45 52