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KÔBE JAPAN.

SEISMOLOGICAL BULLETIN

of the Imperial Marine Observatory and the Kobe Meteorological Observatory of Japan.
 $\varphi=34^{\circ} 41' 18''$ $\lambda=135^{\circ} 10' 51''$ $h=58.3$ m Underground: Diluvial Series.

Instruments: Omori's Seismograph.
(Horizontal Pendulum)

Wiechert Seismograph.
(Horizontal & Vertical)

July

	T_0	ξ	$\frac{r}{T_0^2}$	V
AE:	15.0		0.001	20
AN:	18.7		0.001	20

	T_0	ξ	$\frac{r}{T_0^2}$	V
AE:	6.9	Aperiodic	0.004	115
AN:	6.4	"	0.005	115
AZ:	4.2	6.4	0.003	92

Aug.

	T_0	ξ	$\frac{r}{T_0^2}$	V
AE:	15.7		0.001	20
AN:	17.8		0.001	20

	T_0	ξ	$\frac{r}{T_0^2}$	V
AE:	7.2	Aperiodic	0.006	115
AN:	7.3	"	0.006	101
AZ:	4.1	8	0.005	84

Sept.

	T_0	ξ	$\frac{r}{T_0^2}$	V
AE:	15.4		0.003	20
AN:	18.2		0.005	20

	T_0	ξ	$\frac{r}{T_0^2}$	V
AE:	7.2	Aperiodic	0.006	102
AN:	7.5	"	0.006	102
AZ:	4.1	7	0.006	94

No.	Date	Phase	Time			Period	Amplitude			Δ	Remarks
			G.	M.	T.		AE	AN	AZ		
119	July 6	SE	h	m	s	s	μ	μ	μ	km.	Local shock Very small movement.
		SZ?	7	32	09						
		ME	7	32	08	0.3	+3				
		MN	7	32	12			± 2			
		MZ	7	32	10						
		FE	7	32	09						
		FN	7	32	30						

No.	Date	Phase	Time G. M. T.	Period s	Amplitude			Δ km.	Remarks
					AE μ	AN μ	AZ μ		
120	July 9	FZ	7 32 23						Near New Hebrides, South Pacific Ocean. P phase is not distinct.
		eE	13 13 44	4.4					
		iSN	13 15 26	5.5					
		iE	13 17 21	4.0	± 4				
		eFE	13 21 \pm						
		eFN	13 22 \pm						
121	July 10	eZ	0 51 55					Northern part of the Japan Sea. ? Faint record.	
		ME	0 57 23	14.8					
		eMZ	0 58 17						
		eFE	1 04 \pm						
		eFN	1 02 \pm						
		eFZ	1 03 \pm						
122	July 10	P	7 47 26				1080	East far off Miyako, Iwate Prefecture. Weak shocks were felt at the Pacific coast of Oou and Hokkaido.	
		iE	7 47 40						
		SZ	7 49 22						
		eLN	7 49 27						
		MN	7 50 22	19.0		-4			
		MZ	7 52 58	9.6		-3			
		eFE	8 14 \pm						
		eFN	8 16 \pm						
		eFZ	8 10 \pm						
123	July 11	P	8 26 43					Felt in Samar, SE Luzon according to Manila's report. Faint record.	
		SE?	8 31 32	4.8					
		iE	8 31 58	3.4	$+2$				
		eF	8 40 \pm						
124	July 11	eP	8 40 34					SE off the Inubo Cape, Tiba Prefecture. Faint record.	
		eSN	8 41 30						
		MN	8 42 09	2.6		± 2			
		eFE	8 49 \pm						
		eFN	8 48 \pm						

No.	Date	Phase	Time G. M. T.	Period s	Amplitude			Δ km.	Remarks
					AE μ	AN μ	AZ μ		
125	July 11	e	14 14 47					Near Wakayama City.	
		iE	14 14 52	0.6		-2			
		iN	14 14 52				+1		
		eN	14 14 57						
		MN	14 14 58	0.5			± 2		
		FE	14 15 32						
		FN	14 15 52						
126	July 12	PZ	4 18 44					88 In the Kii Channel.	
		eE	4 18 56						
		iSEN	4 18 57						
		iSZ	4 18 56						
		ME	4 18 57	0.8		-27			
		MN	4 18 57	0.6			-10		
		MZ	4 18 58						+6
		eF	4 22 \pm						
127	July 15	S	5 35 14					Near Mt. Hiei, NE of Kyôto City. Very small movement.	
		M	5 35 14			-2	+2		
		F	5 35 42						
128	July 15	eP	23 19 45					SW off Erimo Cape, Hokkaido. Weak shocks were felt at the Pacific coast of Oou and Hokkaido.	
		eE	23 23 48	2.8		± 1			
		MN	23 23 04	2.5			± 2		
		eFE	23 31 \pm						
		eFN	23 28 \pm						
129	July 16	iSN	12 15 48					In the Kii Channel.	
		MN	12 15 48						
		eE	12 16 03						
		F	12 16 16						
130	July 18	eP	5 07 17					Felt in Luzon, according to Manila's report.	
		eN	5 09 16	2.7			± 2		
		eFEN	5 18 \pm						
		eFZ	5 15 \pm						

No.	Date	Phase	Time			Period	Amplitude			Δ	Remarks
			G.	M.	T.		AE	AN	AZ		
			h	m	s	s	μ	μ	μ	km.	
131	July 20	S	19	50	09					8100	In the Wakaura Bay, Kii Channel.
		ME	19	50	09		± 2				
		MNZ	19	50	10			-3	± 2		
		FE	19	50	30						
		FN	19	50	45						
		FZ	19	51	30						
132	July 20	iPEN	20	17	21					5.0	A distant earthquake. Possible epicenter 169° W 26° S, according to Apia's report.
		PZ	20	17	19						
		FR ₁ Z	20	17	56						
		SE	20	26	46	5.0					
		iSRN	20	27	25	5.3		-4			
		eFE	20	36	±						
		eFN	20	34	±						
		eFZ	20	31	±						
133	July 21	ePN	12	47	22					21.0	Near New Guinea.
		PZ	12	47	20						
		SEN	12	52	56						
		SZ	12	52	54						
		eLN	12	57	40						
		eLZ	12	58	14						
		MN	12	59	09	21.0					
		MZ	12	59	02	22.5					
		eFE	13	09	±						
		eFN	13	07	±						
		eFZ	13	14	±						
134	July 24	PZ	2	54	47					0.6	Near Wade, Nara Prefecture. Clear record.
		iSEN	2	54	55						
		SZ	2	54	55						
		MEN	2	54	55	0.6	-12	+13			
		MZ	2	54	56						
		eFEN	2	58	±				± 4		
		eFZ	2	57	±						

No.	Date	Phase	Time			Period	Amplitude			Δ	Remarks	
			G.	M.	T.		AE	AN	AZ			
			h	m	s	s	μ	μ	μ	km.		
135	July 25	P	8	25	26					4.1	In the Wakasa Bay, North of Kyôto Prefecture. Abnormal perceptible zone at the Pacific coast of Kwanto, Oou and Hokkaidô. Record is clear deep-focus-type. Focal depth about 300km.	
		S	8	26	02		-35	+86	-222			
		ME	8	26	03		+195	+138				
		MN	8	26	03	4.6			-195			
		MZ	8	26	04							
		eFEN	9	01	±							-100
		eFZ	8	52	±							
		136	July 27	P	0	32	13					
iS	0			33	13		-1.3	+2.2	+1.7			
ME	0			33	15		-20	-16	-12			
MN	0			33	14	3.0			+30			
MZ	0			33	16					+14		
eFEN	0			41	±							
eFZ	0			40	±							
137	July 27			P	8	41	49					1.1
		i	8	42	07							
		SE	8	42	09							
		SN	8	42	12							
		ME	8	42	10		± 5					
		MN	8	42	12				-5			
		MZ	8	42	10					-3		
		FE	8	43	32							
		FN	8	43	13							
		FZ	8	43	16							
		138	July 27	ePN	21	27	52					
SE	21			33	18							
eLE	21			36	29							
eF	21			44	±							
139	July 29	iP	21	05	22					-0.2	Very Faint record. Near Celebes.	
		eE	21	10	46		-0.2	-2.8	+2.0			
		eF	21	19	±							

No.	Date	Phase	Time			Period	Amplitude			J	Remarks
			G.	M.	T.		AE	AN	AZ		
			h	m	s	s	μ	μ	μ	km.	
140	July 29	eP	21	54	06						East off the Mabuti R., Aomori Prefecture. Weak shocks were felt at the Northern part of Oou district.
		eN	21	55	20						
		eN	21	59	03	2.7?		+1			
		eF	22	03	±						
141	Aug. 1	P	3	14	23		-4	+5	+4	260	SE off Sima Peninsula, Mie Prefecture. Focal depth about 300km.
		SE	3	15	03						
		SZ	3	15	04						
		ME	3	15	04	1.6					
		MN	3	15	05	2.1		-3			
		MZ	3	15	04	1.6			-3		
		FE	3	18	57						
		FN	3	19	09						
		eFz	3	18	02						
142	Aug. 2	PEN	4	33	18						A distant earthquake. Near New Guinea.
		Pz	4	32	15						
		iz	4	34	08						
		eE	4	38	56	5.4	+2				
		eZ	4	33	57	3.9					
		eFE	4	52	±						
		eFN	4	49	±						
eFz	4	52	±								
143	Aug. 12	Pz	3	31	58					4645	A distant earthquake. Aleutian IIs. 52° N. 167° W (J. S. A.) Severe microseisms.
		eSN	3	38	21						
		eLE	3	44	±						
		ME	3	49	55	21.9	±3				
		MZ	3	49	27	19.3			±2		
		eFE	4	01	±						
eFN	3	56	±								
eFz	4	04	±								
144	Aug. 13	iP	22	30	08		-1	-5	+7	281	In the Kumano-Nada, off Kii Peninsula. Focal depth about 300km.
		iS	22	30	46		-7	-11	-1		
		ME	22	30	47	2.5	+15				

No.	Date	Phase	Time			Period	Amplitude			J	Remarks
			G.	M.	T.		AE	AN	AZ		
			h	m	s	s	μ	μ	μ	km.	
145	Aug. 14	MN	22	30	47			+11			A distant earthquake. Tibet, China. 30° N 59° E. Clear record.
		eFEN	22	37	±						
		eFz	22	34	±						
		P	4	46	18		+4	-2	+5	3605	
145	Aug. 14	FR ₁ E	4	46	47						A distant earthquake. Tibet, China. 30° N 59° E. Clear record.
		PR ₁ Z	4	46	44						
		PR ₂ Z	4	48	05						
		iSN	4	51	42				-17		
		iSR ₁ N	4	54	22	12.6			+22		
		SR ₂ N	4	56	21						
		ME	5	01	16	11.3	±8				
		MN	5	00	55				-17		
		MZ	5	01	14	12.7				-4	
		eFE	5	21	±						
		eFN	5	19	±						
eFz	5	23	±								
146	Aug. 18	ePEN	18	11	17						In the Kii Channel. Very small movement.
		Pz	18	11	16						
		S	18	11	24						
		ME	18	11	32	0.5	±1				
		MN	18	11	29	0.5		±2			
		iz	18	11	36						
		FE	18	12	04						
FN	18	11	59								
Fz	18	12	37								
147	Aug. 21	ePN	4	19	20						East off Kwarenkô, Formasa.
		eSE	4	23	11						
		eSN	4	23	00						
		M ₁ E	4	25	21	16.2	±5				
		MN	4	26	23	14.5		±5			
		M ₂ E	4	40	25		±5				
		eFE	4	57	±						
		eFN	5	03	±						

No	Date	Phase	Time			Period	Amplitude			J	Remarks
			G.	M.	T.		AE	AN	AZ		
			h	m	s	s	μ	μ	μ	km.	
148	Aug. 22	ePEN	11	15	23					1430	South off Tsingtau, China. E 121.°3. N 35°3. Weak shocks were felt at Chefoo, China.
		ePZ	11	15	20						
		iE	11	15	42						
		eSE	11	17	53						
		SN	11	18	27						
		M ₁ E	11	20	17	11.0	-24				
		MN	11	20	26	5.5		+40			
		M ₂ E	11	21	55	8.5	+25				
		MZ	11	22	05	6.0			-9		
		eFE	11	44	±						
eFN	11	43	±								
eFZ	11	42	±								
149	Aug. 22	eP	11	21	13					126	Near Itinomiya, Aiti Prefecture.
		S	11	24	30						
		ME	11	24	32	0.5	±4				
		MN	11	24	33			±3			
		MZ	11	24	31	0.8			+4		
		FE	11	25	29						
		FN	11	25	24						
FZ	11	26	34								
150	Aug. 24	eN	12	15	37					3.6	Chentral Luzon, Philippine.
		eN	12	16	33			±2			
		eFE	12	28	±						
		eFN	12	27	±						
151	Aug. 31	ME	2	26	50	0.3	±1			0.3	Lower basin of the Arifu River, Wakayama Prefecture. Very small movement.
		MN	2	26	50			±1			
		FE	2	27	07						
		FN	2	27	04						
152	Sept. 2	eEN	12	59	39					3.4	South far off Bonin Isl. Weak shocks were felt at the Bonin Isl.
		eZ	12	59	35						
		MN	13	06	33				-3		
		eFE	13	03	15						

No.	Date	Phase	Time			Period	Amplitude			J	Remarks
			G.	M.	T.		AE	AN	AZ		
			h	m	s	s	μ	μ	μ	km.	
153	Sept. 3	eFN	13	03	17					1110	ESE off Siriya Cape, Aomori Prefecture. Weak shocks were felt in Oou and Hokkaido.
		eFZ	13	02	54						
		ePE	12	01	04						
		ePN	12	01	03						
		Pz	12	01	04						
		iE	12	01	10	4.1	-19				
		iN	12	01	10	3.6		-16			
		eSE	12	03	05						
		SN	12	03	02						
		Sz	12	03	18	3.6			-23		
eL	12	04	01								
ME	12	05	24	21.6	-30						
MN	12	05	58			+40					
eFEN	12	26	±								
eFZ	12	27	±								
154	Sept. 5	P	1	02	35					25	Upper Valley of the Muko River, Hyôgo Prefecture.
		S	1	02	38						
		M	1	02	39						
		FE	1	03	13		+18	-11	-8		
		FN	1	03	14						
		FZ	1	03	09						
155	Sept. 5	ePE	3	10	23					3.2	East off Siriya Cape, Aomori Prefecture.
		ePN	3	10	20						
		ME	3	14	01		±3				
		eFEN	3	21	±						
		eFZ	3	18	±						
156	Sept. 9	PN	13	46	31					20.0	A distant earthquake. Moluca IIs, Duteh East Indes. Destructive in Amboina.
		eSN	13	52	38						
		MZ	14	01	51						
		eFE	14	08	±						
		eFNZ	14	12	±						

No	Date	Phase	Time			Period	Amplitude			J	Remarks
			G.	M.	T.		AE	AN	AZ		
			h	m	s	s	μ	μ	μ	km.	
157	Sept. 11	eP	13	23	01						NE off Amami-Osima, Ryûkyû IIs.
		eZ	13	22	58						
		eN	13	23	32						
		SN	13	24	01						
		SZ	13	23	50						
		ME	13	24	09						
		MN	13	24	06	3.0		-1			
		eFE	13	25	±						
		eFN	13	26	±						
eFZ	13	25	±								
158	Sept. 18	eP	18	17	46						524 NW off Hatidyô Isl.
		iSE	18	18	56						
		SN	18	18	51						
		SZ	18	18	54						
		ME	18	18	58	2.0	-5				
		MN	18	18	57	2.0		+2			
		MZ	18	18	56	2.3			+3		
		eFEN	18	24	±						
		eFZ	18	25	±						
159	Sept. 20	eLN?	16	08	35	23.2					A distant earthquake. Prabable in the Indian Ocean. By Omori's Seismograph.
		eN	16	10	27						
		MN	16	12	32	13.5					
		eF	16	21	±						
160	Sept. 22	P	11	00	13						49 Near Tanabe, Southern part of Kyôto Prefecture.
		S	11	00	19						
		ME	11	00	20		±4				
		MN	11	00	21			±4			
		FE	11	00	43						
		FN	11	00	39						
161	Sept. 23	PEN	14	24	36		+1.7	-3.0			1060 Northern part of the Japan Sea, 139°E 447°N. Weak shocks were felt at NE Japan.
		PZ	14	24	35						
		iPE	14	24	39	1.8	+13				

No.	Date	Phase	Time			Period	Amplitude			J	Remarks
			G.	M.	T.		AE	AN	AZ		
			h	m	s	s	μ	μ	μ	km.	
		iPN	14	24	39	1.3		-8			
		iPZ	14	24	39	2.5			-22		
		iS	14	26	29		-54	+43	+33		
		M ₁ E	14	27	12	6.8	+50				
		M ₁ N	14	26	38	5.2		+62			
		MZ	14	26	41	3.1			+52		
		M ₂ E	14	28	56	11.5	+52				
		M ₂ N	14	28	15	9.1		-30			
		eFE	14	54	±						
		eFN	15	01	±						
eFZ	15	03	±								
162	Sept. 25	e	22	07	20						A distant earthquake. East Indies IIs.?
		eE	22	08	44	2.7	±1				
		eN	22	04	47	18.4					
		eFE	22	18	±						
		eFN	22	21	±						
163	Sept. 26	i	15	26	39						In the Kii Channel.
		S	15	26	40						
		MEN	15	26	40		+2	-3			
		FE	15	27	07						
164	Sept. 26	PN?	19	34	01					7960	A distant earthquake. Destructive in near Salonica, Greece.
		eS	19	43	20						
		eLN	20	02	±						
		M ₁ E	20	09	34	14.6	-6				
		M ₁ N	20	09	31	14.0		-6			
		M ₂ E	20	13	18	14.6	-5				
		M ₂ N	20	13	33	15.5		+6			
		eFEN	20	41	±						
		eFZ	20	43	±						
		165	Sept. 27	SEN	2	26	03				
ME	2			26	07		±2				

No.	Date	Phase	Time	Period	Amplitude			Δ	Remarks
					AE	AN	AZ		
			G. M. T.		μ	μ	μ	km.	
			h m s	s	μ	μ	μ	km.	
166	Sept. 29	MN	2 26 04	0.5		-2		Very Faint Record. Near Nôgata, Fukuoka Prefecture.	
		FE	2 26 16						
		FN	2 26 22						
		eSE	3 44 49						
		eSN	3 44 48						
		ME	3 44 55		+2				
		MN	3 44 55			+1			
		eFE	3 48 ±						
		eFN	3 47 ±						
		eFz	3 46 ±						
167	Sept. 29	eE	6 50 31				Upper valley of the Hidi R., Ehime Prefecture.		
		eN	6 50 25						
		eSE?	6 51 10	0.8	-1.7				
		eFE	6 56 ±						
		eFNz	6 54 ±						
168	Sept. 29	PEN	17 50 39		-1.3	-?	2300 East for off Itrup Isl, Kurile IIs.		
		Pz	17 50 38			+4.8			
		SE	17 54 20	3.6					
		SN	17 54 06	4.5					
		Sz	17 54 24	3.8					
		eLE	17 57 26						
		eLN	17 57 00						
		eLz	17 57 32						
		ME	18 00 17	11.3?	+3				
		MN	17 59 07	17.7		-5			
		Mz	17 59 06	15.6					
		eFE	17 27 ±						
		eFN	17 28 ±						
eFz	17 26 ±								
169	Sept. 30	iPEN	4 56 25				430 SW off Hatidyo Isl. Record is deep-focus- type.		
		iPz	4 56 26						
		SE	4 57 16						

No.	Date	Phase	Time	Period	Amplitude			Δ	Remarks
					AE	AN	AZ		
			G. M. T.		μ	μ	μ	km.	
			h m s	s	μ	μ	μ	km.	
		Sz	4 57 15						
		ME	4 57 17	2.1	+4				
		MN	4 57 17	2.3		+5			
		Mz	4 57 15	1.2			+1		
		eFE	5 04 ±						
		eFN	5 02 ±						
		eFz	5 01 ±						

SUMOTO JAPAN.

SEISMOLOGICAL BULLETIN

A Branch Station of the Kobe Meteorological Observatory of Japan.
 $\varphi=34^{\circ} 21'$ $\lambda=134^{\circ} 53'$ $h=109.0$ m. Underground: Cretaceous.

Instrument: Omori's Seismograph.
 (Horizontal Pendulum.)

Wiechert Seismograph.
 (Horizontal & Vertical)

July

	T_0	ϵ	$\frac{r}{T_0^2}$	V
AE:	16.6	1.7	0.0003	20
AN:	16.8	2.1	0.0004	20

	T_0	ϵ	$\frac{r}{T_0^2}$	V
AE:	4.7	Aperiodic	0.003	116
AN:	4.4	"	0.003	106
AZ:	4.3	"	0.003	64

Aug.

	T_0	ϵ	$\frac{r}{T_0^2}$	V
AE:	16.3	2.0	0.0002	20
AN:	16.1	3.0	0.0004	20

	T_0	ϵ	$\frac{r}{T_0^2}$	V
AE:	4.7	Aperiodic	0.003	117
AN:	4.6	"	0.003	98
AZ:	4.4	"	0.002	62

Sept.

	T_0	ϵ	$\frac{r}{T_0^2}$	V
AE:	17.4	1.6	0.0002	20
AN:	17.4	2.3	0.0003	20

	T_0	ϵ	$\frac{r}{T_0^2}$	V
AE:	5.0	Aperiodic	0.004	102
AN:	4.5	"	0.003	104
AZ:	4.5	"	0.002	59

No.	Date	Phase	Time			Period	Amplitude			J	Remarks
			G.	M.	T.		AE	AN	AZ		
186	June 30	P	h	m	s	s	μ	μ	μ	km.	Mouth of the Arita River, Wakayama Prefecture.
		S	16	30	59						
		ME	16	31	05						
		MN	16	31	06						
		F	16	31	21						
187	July 3	ePEN	20	26	22	0.4	± 1	+2	45	Local shock.	

No.	Date	Phase	Time			Period	Amplitude			J	Remarks
			G.	M.	T.		AE	AN	AZ		
188	July 9	S	h	m	s	s	μ	μ	μ	km.	A distant earthquake. Near New-Hebrides IIs, South Pacific Ocean.
		F	20	26	50						
		iEN	13	13	44						
		iEN	13	15	36						
		iE	13	15	40						
189	July 10	iN	13	15	41	4.5	+1				947 East far off Miyako, Iwate Prefecture. Weak shocks were felt at the Pacific coast of Oou and Hokkaido.
		eF	13	20	\pm	5.0		+2			
		PE	7	47	33						
		PN	7	47	36						
		SEN	7	49	42						
190	July 11	ME	7	53	41	9.9	-5				2610 Felt in Luzon, Philippine. According to Manila's report.
		MN	7	53	44	12.2		+13			
		eFE	8	17	\pm						
		eFN	8	14	\pm						
		PE	8	26	42						
191	July 11	PN	8	26	39						SE off Inubo Cape, Tiba Prefecture.
		SE	8	30	50						
		SN	8	30	59						
		eF	8	39	\pm						
		ePEN	8	41	27						
192	July 11	eF	8	45	\pm						24 Near Wakayama City.
		iP	14	14	40		+0.4	-0.9			
		S	14	14	43						
		MEZ	14	14	43	0.4	+13		-5		
		MN	14	14	44	0.4		-22			
193	July 12	FEN	14	16	18						65 In the Kli Channel.
		FZ	14	15	28						
		iPEN	4	18	40		+1.7	-2.4			
		iPZ	4	18	39				-3.1		
		iSEN	4	18	49						

No.	Date	Phase	Time			Period	Amplitude			J	Remarks
			G.	M.	T.		AE	AN	AZ		
			h	m	s	s	μ	μ	μ	km.	
194	July 15	iSz	4	18	48					28	Near Wakayama City.
		MEN	4	18	49	0.4	+14	+22			
		MZ	4	18	50	0.5			+4		
		FEN	4	20	43						
		FZ	4	19	35						
195	July 15	P	11	03	28					32	Ditto.
		S	11	03	32						
		ME	11	03	32		-1				
		MN	11	03	32	0.4		-2			
		F	11	03	45						
196	July 15	P	15	03	55					33	Ditto.
		S	15	03	59						
		ME	15	04	00	0.4	-2				
		MN	15	04	00	0.3		+3			
		F	15	04	20						
197	July 15	P	15	34	06					987	SW off Erimo Cape, Hokkaido. Weak shocks were felt at Pacific coast of Oou and Hokkaido.
		S	15	34	10						
		ME	15	34	10	0.2	-1				
		MN	15	34	11	0.3		-2			
		F	15	34	18						
198	July 16	ePEN	23	20	04					72	In the Kii Channel.
		eS	23	22	17						
		eF	23	27	±						
		P	12	15	32						
		S	12	15	42						
199	July 16	ME	12	15	42	0.5	±3			33	Ditto. Time is uncertain.
		MN	12	15	43	0.4		+3			
		F	12	16	17						
		P	17	26	26						
		S	17	26	31						

No.	Date	Phase	Time			Period	Amplitude			J	Remarks
			G.	M.	T.		AE	AN	AZ		
			h	m	s	s	μ	μ	μ	km.	
200	July 17	ME	17	26	32		±1			33	Local shock.
		MN	17	26	32	0.4		-3			
		F	17	27	02						
		P	12	30	05						
		S	12	30	09						
201	July 17	MEN	12	30	10	N 0.4	±1	-2		28	Near Wakayama City.
		F	12	30	33						
		P	22	07	31						
		S	22	07	34						
		ME	22	07	35	0.3	-4				
202	July 18	MN	22	07	35	0.4		±5		33	Ditto.
		F	22	08	23						
		PE	5	07	14						
		PN	5	07	13						
		eF	5	13	±						
203	July 19	eP	0	03	00					23	In the Kii Channel.
		F	0	03	09						
		P	1	12	46						
		S	1	12	49						
		ME	1	12	49		±0.4				
204	July 19	MN	1	12	50	0.4		+2		27	Local shock.
		F	1	13	04						
		P	2	58	07						
		S	2	58	11						
		MEN	2	58	11	N 0.4	±1	-1			
205	July 19	F	2	58	29					30	In the Wakaura Bay.
		P	19	49	58						
		S	19	50	02						
		ME	19	50	03	0.5	-2				

No.	Date	Phase	Time	Period	Amplitude			J	Remarks
					AE	AN	AZ		
			G. M. T.		μ	μ	μ	km.	
			h m s	s	μ	μ	μ	km.	
207	July 20	MN	19 50 03	0.4		+4		8120	A distant earthquake. Estimated epicenter 169° W 26° S, according to Apia's report.
		F	19 50 40						
		PEN	20 17 19						
		SE	20 26 43						
		SN	20 26 47						
		eF	20 41 ±						
✓ 208	July 21	ePE	12 47 11				3825	A distant earthquake. Near New-Guinea.	
		PN	12 47 11						
		SEN	12 52 48						
		LE	12 58 45						
		LN	12 58 43						
		MN	12 59 15	22.5	+40				
		eFEN	13 15 ±						
209	July 23	P	3 56 01			+1.4	58	Local shock.	
		S	3 56 09						
		ME	3 56 10		-2				
		MN	3 56 10	0.4	-3				
		F	3 56 38						
210	July 24	P	2 54 47				74	Near Wada, Nara Prefecture.	
		S	2 54 57						
		MEZ	2 54 58	E 0.5	-3	+1			
		MN	2 54 58	0.4	-5				
		FE	2 55 41						
		FN	2 55 53						
211	July 25	IPEN	8 25 28		-5.2	+52.8	-135.9	277	In the Wakasa Bay, North of Kyoto Prefecture. Abnormal perceptible zone at the Pacific coast of Northeastern Japan and Hokkaido. Focal depth about 300km.
		IPZ	8 25 27						
		PME	8 25 29	1.5	+70.7				
		PMN	8 25 30	0.8		-72.6			
		PMZ	8 25 27	1.8					
		ISEZ	8 26 05				-135.9		

No.	Date	Phase	Time	Period	Amplitude			J	Remarks			
					AE	AN	AZ					
			G. M. T.		μ	μ	μ	km.				
			h m s	s	μ	μ	μ	km.				
212	July 27	iSN	8 26 06					445	SSW off Hatidyo Isl.			
		ME	8 26 07	2.3	-92							
		MN	8 26 08	2.6		-61						
		MZ	8 26 09	1.8			-25					
		FEN	8 44 ±									
		FZ	8 30 ±									
213	July 27	P	0 32 11			-2.6	-2.8	-3.1	1367	Lower basin of the Tenjin River, Totutori Prefecture.		
		S	0 33 11									
		ME	0 33 11	2.4	-22							
		MN	0 33 11	2.6		-17						
		MZ	0 33 16	1.5			+4					
		FEN	0 42 ±									
214	July 27	PEN	8 41 51					30	Near Wakayama City.			
		S	8 42 10									
		ME	8 42 10	0.3	+3							
		MNZ	8 42 10	N 0.4		+4	±1					
		FEN	8 43 23									
		FZ	8 43 50									
215	July 31	ePEN	21 27 19					29	Near Wakayama City.			
		i	21 28 03									
		eF	21 33 ±									
		P	12 02 39									
216	July 31	S	12 02 43					29	Near Wakayama City.			
		ME	12 02 43	0.4	+3							
		MN	12 02 44	0.4		-9						
		MZ	12 02 44				±2					
		The end part Overlaped by the following earthquake.										
		P	12 03 35									
S	12 03 39											
ME	12 03 39				+2							

No.	Date	Phase	Time		Period	Amplitude			Δ	Remarks
			G.	M. T.		AE	AN	AZ		
			h	m s	s	μ	μ	μ	km.	
217	Aug. 1	MN	12	03 40			±3		19	Local shock.
		F	12	03 48						
		PN	0	47 58						
		SN	0	48 00						
		MN	0	48 00			-2			
218	Aug. 1	F	0	48 12					258	SE off Sima Peninsula, Mie Prefecture. Focal depth about 300km.
		PZ	3	14 28			+4.0			
		PMZ	3	14 28	0.3		+4			
		PN	3	14 33			-1.0			
		PMN	3	14 32	0.3		-3			
		eSN	3	15 06						
		MN	3	15 07	1.0		-2			
219	Aug. 2	FN	3	16 09						A distant earthquake. Near New-Guinea.
		PEN	4	32 15		+0.4	-2.5			
		PZ	4	32 14						
		IN	4	33 35						
220	Aug. 6	FEN	4	38 ±						Near the mouth of the Kumano River, southern part of Wakayama Prefecture.
		eP	9	22 33						
221	Aug. 6	F	9	23 14					11	Local shock.
		P	17	36 01		-0.4	-2.0			
222	Aug. 7	S	17	36 02	0.2		-5			Ditto.
		ME	17	36 02	0.5		-7			
		MN	17	36 02	0.4					
		MZ	17	36 04						
		F	17	36 50				±2		
223	Aug. 12	S	4	18 19						A distant earthquake. Aleutian IIs. Severe microseisms.
		F	4	18 29						
223	Aug. 12	PE	3	32 09						In the Kii Channel.
		PN	3	32 07						

No.	Date	Phase	Time		Period	Amplitude			Δ	Remarks	
			G.	M. T.		AE	AN	AZ			
			h	m s	s	μ	μ	μ	km.		
224	Aug. 13	PZ	3	32 06					291	In the Kumano-nada, SE off Kii Peninsula. Deep focus earthquake.	
		eFE	3	40 ±							
		iP	22	30 08			-2.6	-1.0			+4.8
		S	22	30 47							
		ME	22	30 48	1.3		-5				
225	Aug. 14	MN	22	30 48	1.7			-7	3500	A distant earthquake. Tibet, China.	
		MZ	22	30 48	1.5						-3
		FEN	22	33 ±							
		FZ	22	32 ±							
		PEN	4	46 17			-2.6	+1.0			
		PZ	4	46 16							+2.4
		eS	4	51 34							
226	Aug. 17	E	4	56 25						Near Arita River, Wakayama Prefecture.	
		N	4	56 23							
		ME	4	58 37	8.7		-18				
		MN	5	03 35	10.5			+32			
		MZ	5	01 34	11.1						-19
		eFEN	5	24 ±							
		eFZ	5	21 ±							
		eP	0	58 05							
		S	0	58 07							
		ME	0	58 07	0.3		±1				+2
227	Aug. 17	MN	0	58 07						Near Tadono, middle basin of the Arita River, Wakayama Prefecture.	
		F	0	58 26							
		eP	8	47 31							-1.0
		S	8	47 34							
		ME	8	47 34	0.4		-2				
228	Aug. 18	MN	8	47 35	0.4					In the Kii Channel.	
		F	8	48 02							-5
		P	18	11 11							
228	Aug. 18	S	18	11 14							

No.	Date	Phase	Time	Period	Amplitude			Δ	Remarks
					AE	AN	Az		
			G. M. T.		μ	μ	μ	km.	
229	Aug. 18	MEZ	18 11 15	0.4	-7		± 2	25	Near Wakayama City.
		MN	18 11 15	0.3		-12			
		F	18 11 47						
		P	19 13 19						
		S	19 13 22						
		ME	19 13 22	0.4	+3				
		MN	19 13 23	0.4		-4			
230	Aug. 19	ePEN	5 55 54					Local shock?	
		SEN	5 56 02						
		ME	5 56 02	0.5	-2				
		MN	5 56 02	0.4		± 3			
		F	5 56 14						
231	Aug. 20/21	P	23 59 57			+0.5	39	Arita River, Wakayama Prefecture.	
		S	0 00 02						
		MEZ	0 00 02		-3				± 1
		MN	0 00 02	0.4		± 4			
		F	0 00 21						
232	Aug. 21	PE	4 19 60				2330?	East off Karenko, Formasa.	
		PN	4 18 59						
		ePz	4 19 08						
		SEN	4 22 51						
		LEN	4 24 55						
		ME	4 28 13	8.9	-9				
		MN	4 27 51	11.6		± 32			
		MZ	4 27 22	12.7					± 17
		eFE	4 45 \pm						
		eFN	4 51 \pm						
		eFz	4 40 \pm						
233	Aug. 22	P	6 40 03				36	Local shock.	
		S	6 40 07						

No.	Date	Phase	Time	Period	Amplitude			Δ	Remarks
					AE	AN	Az		
			G. M. T.		μ	μ	μ	km.	
234	Aug. 23	ME	6 40 07		± 2			1745	South off Tsingtau, China. Weak shocks were felt at the Chefoo, China.
		MN	6 40 07	0.3		-3			
		F	6 40 21						
		ePE	11 15 23						
		ePN	11 15 27						
		SE	11 18 24						
		SN	11 18 26						
235	Aug. 24	eSz	11 18 23					2540	Central Luzon, Philippine.
		ME	11 18 58	4.5	-19				
		MN	11 19 37	4.2		-25			
		MZ	11 19 02	3.4			+10		
		eFE	11 47 \pm						
		eFN	11 44 \pm						
		eFz	11 35 \pm						
		PE	12 15 26						
236	Aug. 25	ePN	12 15 22				29	Near Wakayama City.	
		ePz	12 15 28						
		eSN	12 19 29						
		eFE	12 31 \pm						
		eFN	12 28 \pm						
		PEN	2 27 26			-0.5			
237	Aug. 25	SEN	2 27 30				30	Local shock.	
		ME	2 27 31		± 1				
		MN	2 27 31	0.4		-3			
		FEN	2 27 45						
		P	21 48 52						
238	Aug. 26	S	21 48 56				36	Local shock.	
		ME	21 48 56	0.2	+3				
		MN	21 48 57	0.3		± 4			
		F	21 49 10						
		eP	13 54 42						

No.	Date	Phase	Time	Period	Amplitude			Δ	Remarks
					AE	AN	Az		
			G. M. T.	s	μ	μ	μ	km.	
239	Aug. 31	S	13 55 28						off Miyazaki Prefecture.
		ME	13 55 31	2.1	±1				
		MN	13 55 44	1.5		±2			
		F	13 58 35						
		P	2 26 33			+1.0		39	Lower basin of the Arita R, Wakayama Prefecture.
		S	2 26 38						
		ME	2 26 38	0.7	+7				
		M ₁ N	2 26 39	0.5		+8			
		MZ	2 26 40					±2	
		M ₂ N	2 26 44	0.4		±6			
F	2 27 32								
240	Aug. 31	eP	13 26 37					32	Near Tadono, Middle basin of the Arita River, Wakayama Prefecture.
		S	13 26 41						
		ME	13 26 41	0.4	-4				
		MN	13 26 41			+3			
		F	13 27 06						
241	Sept. 2	eP	5 59 23					17	In the Kii Channel.
		S	5 59 25						
		ME	5 59 25	0.4	±2				
		MN	5 59 26	0.4		-3			
		F	5 59 46						
242	Sept. 2	P	12 59 31		+1.0	-1.0	-0.8	1390	South far off the Bonin Isl. Weak shocks were felt at the Bonin Isl.
		SN	13 01 57						
		ME	13 02 22	3.4	±1				
		MN	13 02 08	3.0		-1			
		eF	13 06 ±						
243	Sept. 3	P	12 01 09		-2.0	-1.9	+1.7	1170	ESE off Siriya Cape, Aomori Prefecture. Weak shocks were felt in Cou and Hokkaido.
		SE	12 03 12						
		SN	12 03 19						
		SZ	12 03 10						
		LE	12 03 58						

No.	Date	Phase	Time	Period	Amplitude			Δ	Remarks
					AE	AN	Az		
			G. M. T.	s	μ	μ	μ	km.	
244	Sept. 5	LN	12 03 59						64 Upper Valley of the Muko R., Hyogo Prefecture.
		ME	12 04 19	4.7	-27				
		MN	12 04 18	6.0		+25			
		MZ	12 04 28	4.4			-14		
		eFEN	12 24 ±						
		eFZ	12 22 ±						
		eP	1 02 41						
S	1 02 50								
ME	1 02 50	0.4	-3						
MN	1 02 50				+3				
F	1 03 10								
245	Sept. 5	ePE	3 10 25					1200	East off Siriya Cape, Aomori Prefecture.
		ePN	3 10 32						
		SE	3 12 28						
		eSN	3 12 46						
		ME	3 13 16	2.7	-2				
		MN	3 13 27	3.5		+2			
		eF	3 21 ±						
246	Sept. 9	PEN	0 33 12						In the Bungo Channel.
		N	0 33 30						
		E	0 33 32						
		N	0 34 12						
		eF	0 36 ±						
247	Sept. 9	P	12 49 29					39	Local shock.
		S	12 49 31						
		ME	12 49 31		±1				
		MN	12 49 32	0.4		±5			
		F	12 49 53						
248	Sept. 9	PEN	13 46 28					4105	A distant earthquake, Moluca IIs, Dutch East Indes. Destructive in Amboina.
		PZ	13 46 27						
		S	13 52 20						

No.	Date	Phase	Time			Period	Amplitude			Δ	Remarks
			G.	M.	T.		AE	AN	AZ		
			h	m	s	s	μ	μ	μ	km.	
249	Sept. 9	eLEN	13	55	±					29	Local shock.
		eFEN	14	16	±						
		eP	14	59	48						
		S	14	59	52						
		ME	14	59	53		-1				
		MN	14	59	53	0.3		-2			
		F	15	00	13						
250	Sept. 10	eP	10	20	46					34	Near Wakayama City.
		S	10	20	51						
		ME	10	20	51	0.3	+4				
		MN	10	20	51	0.4		±5			
		F	10	21	22						
251	Sept. 11	ePE	13	20	52						NE of Amami-Osima, Ryūkyū IIs.
		iEN	13	22	08						
		eSE	13	22	44						
		SN	13	22	41						
		ME	13	22	58	2.9	±1				
		MN	13	23	02	2.8		±2			
		eF	13	25	±						
252	Sept. 13	P	11	10	50					28	Near Wakayama City.
		S	11	10	54						
		ME	11	10	54		-2				
		MN	11	10	55	.3		-3			
		F	11	11	10						
253	Sept. 13	SEN	15	57	31					0.3	Ditto.
		MN	15	57	31			-2			
		F	15	57	45						
254	Sept. 14	P	2	17	51					29	Near Tadono, middle basin of the Arita River, Wakayama Prefecture.
		S	2	17	55						
		ME	2	17	56		±1				

No.	Date	Phase	Time			Period	Amplitude			Δ	Remarks
			G.	M.	T.		AE	AN	AZ		
			h	m	s	s	μ	μ	μ	km.	
255	Sept. 14	MN	2	17	56	0.4		-2		35	In the Kii Channel.
		F	2	18	18						
		P	23	43	15						
		S	23	43	20						
		ME	23	43	21	0.3	±1				
		MN	23	43	21	0.5		+3			
		F	23	43	51						
256	Sept. 15	eP	11	19	40						A distant earthquake. Felt in SW Mindanao.
		F	11	28	±						
257	Sept. 15	eL	14	37	19						New-Zealand.
		eF	14	58	±						
258	Sept. 18	eP	18	18	54						NW off Hatidyo Isl.
		F	18	22	±						
259	Sept. 22	eP	11	00	27					28	Near Tanabe, Southern Part of Kyoto Prefecture.
		S	11	00	31						
		ME	11	00	34	0.8	±1				
		MN	11	00	31	0.3		±1			
		F	11	01	21						
260	Sept. 23	P	14	24	40					1100	Northern part of Japan Sea, 139°E 44.7N. Weak shocks were felt in NE Japan.
		SEN	14	26	38						
		SZ	14	26	37						
		LE	14	27	58						
		LN	14	27	49						
		LZ	14	28	03						
		ME	14	28	52	12.4	-171				
		MN	14	30	58	7.8		+68			
		MZ	14	28	13	7.3			+30		
		eFE	15	04	±						
		eFN	15	01	±						
eFZ	14	55	±								

No.	Date	Phase	Time		Period	Amplitude			Δ	Remarks
			G.	M. T.		AE	AN	AZ		
			h	m s	s	μ	μ	μ	km.	
261	Sept. 26	P	15	26 24					62	In the Kii Channel.
		S	15	26 33						
		ME	15	26 33		+2				
		MN	15	26 33	0.4		-4			
		F	15	27 05						
262	Sept. 26	PEN	19	33 15					9.90	A distant earthquake. Destructive in Near Salonica, Greece.
		PZ	19	33 16						
		SE	19	43 42						
		SN	19	43 18						
		LE	20	05 39						
		LN	20	05 15						
		ME	20	09 44	14.5	± 42				
		MN	20	09 39	14.5		+50			
		MZ	20	13 39	14.1			-30		
		eFEN	20	50 \pm						
eFZ	20	36 \pm								
263	Sept. 27	P	12	47 00					28	Local shock. Time is uncertain.
		S	12	47 04						
		ME	12	47 04	0.4	-2				
		MN	12	47 04	0.3		-2			
		F	12	47 27						
264	Sept. 29	PEN	3	44 37						Near Nôgata, Hukuoka Prefecture.
		eF?	3	47 \pm						
265	Sept. 29	eLEN	4	41 37						A distant earthquake.
		LEN	4	48 37						
		eF	5	06 \pm						
266	Sept. 29	P	6	50 14					262	Upper Valley of the Hidl R., Ehime Prefecture.
		S	6	50 49						
		ME	6	50 53	1.4	± 1				
		MN	6	50 54	1.2					
		F	6	51 18			± 1			

No.	Date	Phase	Time		Period	Amplitude			Δ	Remarks
			G.	M. T.		AE	AN	AZ		
			h	m s	s	μ	μ	μ	km.	
267	Sept. 29	P	13	35 54			1.0		26	Near Wakayama City.
		S	13	35 57						
		MEN	13	35 58	0.4	-4	+5			
		MZ	13	35 58				± 1		
		F	13	36 31						
268	Sept. 29	P	17	48 48					28	Ditto.
		S	17	48 51						
		ME	17	48 52		+2				
		MN	17	48 52	0.3		+3			
		F	17	49 13						
269	Sept. 29	iP	17	50 43		-1.0	-1.9	+	2020	East far off Iturup Isl, Kurile IIs.
		SE	17	54 10						
		SN	17	54 06						
		LE	17	57 42						
		LN	17	58 05						
		ME	18	00 50	10.6	± 15				
		MN	17	59 27	12.2		+25			
		MZ	18	02 24	9.4			± 2		
		eFEN	19	03 \pm						
		eFZ	18	21 \pm						
270	Sept. 30	iPEN	4	55 50		-0.9	-0.5	+1.6	613	SW off Hatidyo Isl.
		iPZ	4	55 51						
		iSEN	4	57 13						
		ME	4	57 14	2.2	+2				
		MN	4	57 14	2.4		+3			
		FE	5	00 33						
		FN	5	00 19						

TOYOOKA JAPAN.

SEISMOLOGICAL BULLETIN

A Branch Station of the Kobe Meteorological Observatory of Japan.
 $\phi=35^{\circ} 32'$ $\lambda=134^{\circ} 49'$ $h=32.2$ m. Underground: Tertiary.

Instrument: Omori's Seismograph Wiechert Seismograph.
 (Horizontal Pendulum.) (Horizontal & Vertical)

July

	T_0	ϵ	$\frac{r}{T_0^2}$	V
AE:	20.8	3.0	0.002	20
AN:	9.3	3.0	0.002	20

	T_0	ϵ	$\frac{r}{T_0^2}$	V
AE:	5.7	10.0	0.002	100
AN:	6.2	10.0	0.004	100
AZ:	3.8	6.5	0.002	65

Aug.

	T_0	ϵ	$\frac{r}{T_0^2}$	V
AE:	20.8	3.0	0.002	20
AN:	9.9	3.0	0.002	20

	T_0	ϵ	$\frac{r}{T_0^2}$	V
AE:	5.6	10.0	0.003	111
AN:	6.1	10.0	0.004	112
AZ:	3.4	4.3	0.002	64

Sept.

	T_0	ϵ	$\frac{r}{T_0^2}$	V
AE:	20.8	3.0	0.002	20
AN:	9.9	3.0	0.002	20

	T_0	ϵ	$\frac{r}{T_0^2}$	V
AE:	5.8	10.0	0.004	99
AN:	6.2	10.0	0.004	99
AZ:	3.5	7.2	0.002	60

No.	Date	Phase	Time			Period	Amplitude			Δ	Remarks
			G.	M.	T.		AE	AN	AZ		
57	July 10	iPE	h	m	s	s	μ	μ	μ	km.	East far off Miyako, Iwate Prefecture. Weak shocks were felt at the Pacific coast of Oou and Hokkaido.
		IPNZ	7	47	23						
		iSEN	7	49	10						
		iSz	7	49	07						
		LE	7	50	01						
		eLN	7	50	04						
eFEN	7	59	\pm								

No.	Date	Phase	Time			Period	Amplitude			Δ	Remarks
			G.	M.	T.		AE	AN	AZ		
58	July 15	eFz	7	58	\pm		μ	μ	μ	km.	Near Mt. Hiei, NE of Kyoto City.
		ePE	5	35	11						
		iSEN	5	35	16						
59	July 25	FEN	5	35	38	3.0	+16.6	+5.8	-141.2	265	In the Wakasa Bay, north of Kyoto Prefecture. Abnormal Perceptible zone at the Pacific coast of NE Japan. N-S component is scale aut.
		iP	8	25	26						
		iE	8	25	31						
		iS	8	26	01						
		ME	8	26	05						
		MN	8	26	09						
		MZ	8	26	14						
		FE	8	26	14						
		eFN	8	26	14						
		Fz	8	26	14						
60	July 27	iP	0	32	20	3.0	+?	+?		505	SSW off Hatidyo Isl.
		iSEN	0	33	23						
		iSz	0	33	30						
		MEN	0	33	31						
		MZ	0	33	32						
		FEN	0	37	31						
		Fz	0	34	47						
61	July 27	iP	8	41	39	3.0	+18	-14		67	Lower basin of the Ten-jin River, Tottori Prefecture.
		iS	8	41	48						
		MEN	8	41	48						
		FE	8	42	39						
		FN	8	42	51						
		Fz	8	42	24						
		62	Aug. 12	iP	3						
iS	3			33	22						
eLE	3			42	44						
eLN	3			44	00						
eFE	4			00	\pm						

No.	Date	Phase	Time			Period	Amplitude			Δ	Remarks
			G.	M.	T.		AE	AN	AZ		
			h	m	s	s	μ	μ	μ	km.	
63	Aug. 14	eFN	4	01	±					3545	A distant earthquake. Tibet, China.
		eFZ	4	06	±						
		iPE	4	46	17		+				
		ePN	4	46	20						
		iPz	4	46	15						
		eSE	4	51	38						
		iSN	4	51	36						
		iLE	4	54	10						
		iLN	4	53	55						
		ME	5	00	27	12.0	+7				
		MN	4	57	55	8.0		-20			
		MZ	5	02	34	13.2			-9		
		eFE	5	17	±						
		eFN	5	20	±						
eFZ	5	27	±								
64	Aug. 14	iPE	12	59	25					2185	South of the Inubô Cape, Tiba Prefecture.
		ePN	12	59	39						
		ePz	12	59	31						
		iSNZ	13	00	29						
		MN	13	00	38		+4				
		MZ	13	00	47				+2		
		FE	13	01	46						
		FN	13	01	47						
Fz	13	01	29								
65	Aug. 21	ePE	4	19	33					2185	East off Kwarenkô, Formosa.
		iPNZ	4	19	32						
		iSE	4	23	12						
		iSN	4	23	11						
		iSz	4	25	13						
		iLE	4	24	18						
		eLz	4	24	36						
		ME	4	29	09	12.5	+5				
		MN	4	30	24	10.5			+10		

No.	Date	Phase	Time			Period	Amplitude			Δ	Remarks
			G.	M.	T.		AE	AN	AZ		
			h	m	s	s	μ	μ	μ	km.	
66	Aug. 23	MZ	4	29	10	10.6			+3	?	South off Tsing-tau, China. Weak shocks were felt at Chefoo, China.
		eFEN	4	42	±						
		eFz	4	44	±						
		iE	11	11	24						
		iz	11	12	16						
		iPE	11	15	15						
		iPN	11	15	17						
		iz	11	15	30						
		iE	11	19	03						
		iN	11	18	36						
		eLE	11	21	06						
		eLN	11	20	58						
		ME	11	21	47	9.0	-15				
		M ₁ N	11	21	56	6.0		-21			
M ₂ N	11	21	07	8.0		-17					
eFE	11	41	±								
eFN	11	40	±								
67	Aug. 22	iPEN	11	24	13					160	Itinomiya, Aiti Prefec- ture.
		iSEN	11	24	35						
		ME	11	24	37		-				
		MN	11	24	35			+9			
		FE	11	24	00						
		FN	11	24	58						
68	Sept. 3	iPEN	12	01	01		-7.1	-7.1	+6.6	913	ESE off Sirlia Cape, Aomori Prefecture. Weak shocks were felt at Oou and Hokkaido.
		iPz	12	01	00						
		iEN	12	01	13						
		iz	12	01	15						
		iS	12	03	03						
		eLN	12	04	15						
		ME	12	05	01		+25				
		MN	12	04	38			+70			
		MZ	12	04	56				-23		
		eFE	12	20	±						

No.	Date	Phase	Time G. M. T.	Period s	Amplitude			Δ km.	Remarks
					AE μ	AN μ	AZ μ		
69	Sept. 5	eFN	12 19 ±					Upper valley of the Muko River, Hyôgo Prefecture.	
		eFZ	12 21 ±						
		iS	1 02 56						
		F	1 08 21						
70	Sept. 5	iEN	3 10 14		-2	-2	+3	East off Siriya Cape, Aomori Prefecture. Faint record.	
		eSE	3 12 13						
		eFE	3 18 ±						
		eFN	3 21 ±						
		eFZ	3 20 ±						
71	Sept. 9	ePE	13 46 49					Moluca IIs, Dutch-East-Indes- Destructive in Amboina.	
		iPN	13 46 35.						
		iPZ	13 46 37						
		eSE	13 52 38						
		eLE	13 55 46						
		eLN	13 55 57						
		eFEN	14 12 ±						
eFZ	14 20 ±								
72	Sept. 22	iSEN	11 00 37					Near Tanabe, Kyôto Prefecture. Very small movement.	
		FEN	11 00 58						
73	Sept. 23	iPEN	14 24 27					Northern part of the Japan Sea. Weak shocks were felt at NE Japan. Deep-focus earthquake.	
		iPZ	14 24 28						
		iSE	14 26 11						
		iSN	14 26 12						
		iS2	14 26 14						
		ME	14 26 21		+65				
		MN	14 26 23						
		MZ	14 26 21			-96			
		eFEN	15 00 ±				-40		
eFZ	15 02 ±								
74	Sept. 23	iEN	14 36 53					ScS wave of No 73?.	

No.	Date	Phase	Time G. M. T.	Period s	Amplitude			Δ km.	Remarks
					AE μ	AN μ	AZ μ		
75	Sept. 26	ePEN	19 33 04					A distant earthquake. Destructive in near Salonica, Greece.	
		iFZ	19 33 05						
		iPE	19 33 17						
		eLE	20 05 20						
		eLZ	20 06 12						
		M ₁ E	20 09 12	14.0	-7				
		M ₁ N	20 09 04	14.1		+10			
		M ₁ Z	20 12 54				-10		
		M ₂ E	20 14 08	14.0	-11				
		M ₂ N	20 12 16	13.0		-8			
		M ₂ Z	20 15 19				-8		
76	Sept. 29	M ₃ N	20 15 24	14.1		-15		East far off Iturup Isl, Kurile IIs.	
		eFE	20 31 ±						
		eFN	20 32 ±						
		eFZ	20 34 ±						
		iPE	17 50 33						
		iPN	17 50 34						
		iPZ	17 50 31						
		iLE	17 55 56						
		ME	17 59 18		-10				
		MN	18 03 53			+6			
		eFE	18 27 ±						
eFN	18 20 ±								
eFZ	18 24 ±								