

With the Compliments of
E. Nishimura



SEISMOLOGICAL BULLETIN

April 1, 1952—september 30, 1952

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Dept. of Scientific & Industrial Research
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KAMIGAMO GEOPHYSICAL OBSERVATORY

Midorogaike, Kamikyô-Ku, Kyôto-shi, Japan.

CONSTANTS

Constants of the station

Latitude and longitude :

35° 02' N

135° 42' E

Time : All determinations are reduced to Universal Time.

Altitude : 190 meters above mean sea level.

Constants of the Seismographs

Apparatus	Component	Period	Pendulum Damping ratio	Magnification	Maximum Magnification
W	H	12	5	200	
W	V	4	5	180	
OT	N, E	8		50	
S 20,000	N, E	0.55			19,000
S 20,000	Z	0.55			17,000

(Abbreviations ; W, Wiecert Seismograph ; OT, Omori Seismograph ; S2,0000, short-period Seismograph with magnification of about 20,000)

Remarks :

It is preferred that communications on this bulletin may be sent to

Prof. Eiichi Nishimura

Geophysical Institute, Faculty of Science,

Kyoto University, Kyoto, Japan.

April

No.	Date	Time (U. T.) h. m. s.			A. I. M.			Maximum Amplitude (Period)			P ~ S m. s.	Remarks
					A _N μ	A _E μ	A _Z μ	A _N (T _N) μ (s.)	A _E (T _E) μ (s.)	A _Z (T _Z) μ (s.)		
1	7	10	17	19	+ 1.8	+ 1.4	+ 3.8	6.0 (short)	4.6 (short)	4.0 (short)	8.4	
2	7	20	44	54	- 1.6	- 3.2	+ 2.0	3 (short)	4 (short)	—	36.7	
3	10	06	03	40	—	—	—	—	—	—	—	distant earthquake
4	15	06	02	00	- 2.9	- 2.4	+ 1.3	32 (7.0)	8 (6.1)	2 (2.4)	1 53.6	
5	23	16	00	30	—	—	—	13.1 (8.5)	9.2 (8.3)	—	—	distant earthquake
6	28	10	56	11	+ 1.2	+ 3.0	(-)	47 (8.3)	40 (8.2)	9 (6.0)	2 13	

May

No.	Date	Time (U. T.) h. m. s.			A. I. M.			Maximum Amplitude (Period)			P ~ S m. s.	Remarks
					A _N μ	A _E μ	A _Z μ	A _N (T _N) μ (s.)	A _E (T _E) μ (s.)	A _Z (T _Z) μ (s.)		
1	2	11	14	59	+ 1.1	+ 2.0	- 1.1	13 (12.6)	13 (6.0)	—	54.1	
2	8	01	59	30	- 2	- 10	+ 3	385 (7.0)	200 (7.1)	186 (4.1)	40	
3	8	21	17	26	+ 2	—	+ 2	9 (8.0)	35 (11.5)	—	5 37	P ~ PR ₁ 1 ^m 05 ^s
4	9	17	55	40	—	—	—	9 (18.0)	7 (18.0)	6 (26.4)	11 10 ?	
5	17	09	50	32	+ 3	+ 4	- 2	65 (17.1)	84 (15.5)	8 (7.6)	2 06.2	
6	19	18	34	41	+ 1	+ 2	- 3	300 (19.1)	350 (18.5)	33 (13.2)	2 28.7	
7	24	16	14	50	—	—	—	—	—	—	—	like microseism
8	23	07	59	56	- 1	(+)	- 36.7	560 (short)	350 (short)	227 (short)	35.1	deep focus depth; about 370 ^{km} focus; in the vicinity of Kyoto
9	30	01	21	23	- 4.2	- 4.5	- 3.0	—	—	—	1 52	

June



No.	Date	Time (U. T.)			A. I. M.			Maximum Amplitude (Period)			P~S	Remarks	
		h.	m.	s.	A _N μ	A _E μ	A _Z μ	A _N (T _N) μ (s.)	A _E (T _E) μ (s.)	A _Z (T _Z) μ (s.)			m.
1	14	07	57	40	+ 0.6	+ 0.4	—	—	—	—	1	38	
2	15	14	55	01	—	(+)	—	—	—	—	1	26	
3	15	16	22	06	(-)	(-)	(+)	—	—	—	1	35	
4	19	12	22	—	—	—	—	433 (15.0)	188 (15.3)	13 (11.6)	5	—	P~Love 6 ^m 50 ^s P~Royleigh 9 —
5	20	05	50	10	+ 1	(+)	- 1	26 (9.2)	16 (9.2)	4.6 (15.8)	5	51.7	P~SR ₁ 8 12
6	22	22	46	03	- 5	- 4	+ 1	88 (18.7)	190 (14.3)	14 (16.0)	3	30	
7	25	23	30	51	- 1.6	- 2.4	—	23.8 (14.0)	14.3 (14.5)	2.7 (12.6)	4	44.4	
8	26	21	00	43	- 4.0	-14.4	-52.8	96 (short)	160 (short)	—		11.3	

July

No.	Date	Time (U. T.)			A. I. M.			Maximum Amplitude (Period)			P~S	Remarks	
		h.	m.	s.	A _N μ	A _E μ	A _Z μ	A _N (T _N) μ (s.)	A _E (T _E) μ (s.)	A _Z (T _Z) μ (s.)			m.
1	8	12	57	34	—	—	—	7.5 (3.2)	4.6 (3.3)	3.8 (3.1)	1	09.7	
2	13	12	08	—	—	—	—	13.8 (8.7)	—	—	8	—	
3	13	17	20	53	—	—	—	8.5 (20.1)	2.5 (20.1)	—	6	00	
4	17	16	10	46	+66.5	-225.0	+100.3	6300 (short)	4100 (short)	—		11.2	The Yoshino Earthquake
5	21	12	04	33	- 5.1	- 3.8	+ 3.5	11.0 (12.2)	10.5 (8.8)	2.2 (21.3)	10	14.3	P~PR ₁ 3 ^m 23 ^s P~PR ₂ 5 23
6	24	22	11	52	- 1.2	- 0.8	+ 0.6	12.5 (19.4)	6.0 (19.0)	—	2	06	
7	27	03	33	57	- 1.7	+ 1.7	- 3.8	9.6 (5.2)	—	—	8	36.4	P~PR ₁ 2 44

August



No.	Date	Time (U. T.) h. m. s.			A. I. M.			Maximum Amplitude (Period)			P~S m. s.	Remarks
					A _N μ	A _E μ	A _Z μ	A _N (T _N) μ (s.)	A _E (T _E) μ (s.)	A _Z (T _Z) μ (s.)		
1	7	21	55	49	(+)	+ 1	—	5.5 (19.5)	4.0 (19.1)	—	1 40	
2	8	13	29	21	— 0.6	— 0.6	(+)	—	—	—	24.5	
3	9	12	41	58	+ 6.3	— 2.5	+ 26.5	125 (short)	200 (short)	29 (short)	10.5	
4	12	14	56	59	— 0.9	— 0.4	—	10 (5.2)	8 (5.1)	6 (5.1)	1 41.6	
5	15	20	00	11	— 0.4	—	+ 1.3	—	—	—	55.0	
6	17	16	09	26	+ 0.9	+ 1.4	(—)	450 (20.0)	375 (13.7)	44 (15.1)	5 50.5	P~PR ₁ 1 ^m 29 ^s P~SR ₁ 8 40
7	20	15	36	38	+ 0.4	+ 0.3	—	2.1 (10.2)	—	—	9 —	
8	26	10	15	54	(—)	— 0.4	(+)	—	—	—	50.0	
9	31	16	11	50	—	— 0.4	(+)	14.5 (6.2)	12.5 (6.2)	4.2 (5.1)	1 44.1	

September

No.	Date	Time (U. T.) h. m. s.			A. I. M.			Maximum Amplitude (Period)			P~S m. s.	Remarks
					A _N μ	A _E μ	A _Z μ	A _N (T _N) μ (s.)	A _E (T _E) μ (s.)	A _Z (T _Z) μ (s.)		
1	2	02	37	34	— 0.4	+ 0.6	(+)	5.2 (short)	5.2 (short)	2.3 (short)	21.3	
2	4	02	24	30	+ 1.2	— 1.0	+ 2.5	6.7 (short)	12.9 (short)	14.0 (short)	20.0	
3	12	02	58	21	— 1.5	— 0.6	— 0.8	10.4 (9.0)	10.7 (9.7)	9.0 (—)	20.0	
4	13	19	14	52	—	— 0.8	(+)	4.1 (5.6)	6.6 (5.3)	—	53.5	
5	21	11	13	36	—	— 0.6	—	65 (13.2)	77 (11.8)	7 (10.4)	1 41.7	
6	27	19	10	38	+ 1	(+)	—	11.3 (12.0)	9.7 (13.2)	1.3 (8.6)	4 00	

7	28	17 44 10	+ 1.3	+ 1.3	-	—	—	—	—	—	like microseism
8	30	12 57 00	-	+ 0.6	-	250 (15.0)	226 (12.7)	—	6	05.2	

1	29	10 30 00	-	-	-	—	—	—	—	—	
2	29	11 00 00	-	-	-	—	—	—	—	—	
3	29	11 30 00	-	-	-	—	—	—	—	—	
4	29	12 00 00	-	-	-	—	—	—	—	—	
5	29	12 30 00	-	-	-	—	—	—	—	—	
6	29	13 00 00	-	-	-	—	—	—	—	—	
7	29	13 30 00	-	-	-	—	—	—	—	—	
8	29	14 00 00	-	-	-	—	—	—	—	—	
9	29	14 30 00	-	-	-	—	—	—	—	—	
10	29	15 00 00	-	-	-	—	—	—	—	—	
11	29	15 30 00	-	-	-	—	—	—	—	—	
12	29	16 00 00	-	-	-	—	—	—	—	—	
13	29	16 30 00	-	-	-	—	—	—	—	—	
14	29	17 00 00	-	-	-	—	—	—	—	—	
15	29	17 30 00	-	-	-	—	—	—	—	—	
16	29	18 00 00	-	-	-	—	—	—	—	—	
17	29	18 30 00	-	-	-	—	—	—	—	—	
18	29	19 00 00	-	-	-	—	—	—	—	—	
19	29	19 30 00	-	-	-	—	—	—	—	—	
20	29	20 00 00	-	-	-	—	—	—	—	—	
21	29	20 30 00	-	-	-	—	—	—	—	—	
22	29	21 00 00	-	-	-	—	—	—	—	—	
23	29	21 30 00	-	-	-	—	—	—	—	—	
24	29	22 00 00	-	-	-	—	—	—	—	—	
25	29	22 30 00	-	-	-	—	—	—	—	—	
26	29	23 00 00	-	-	-	—	—	—	—	—	
27	29	23 30 00	-	-	-	—	—	—	—	—	
28	29	24 00 00	-	-	-	—	—	—	—	—	
29	29	24 30 00	-	-	-	—	—	—	—	—	
30	29	25 00 00	-	-	-	—	—	—	—	—	
31	29	25 30 00	-	-	-	—	—	—	—	—	

September

1	29	00 00 00	-	-	-	—	—	—	—	—	
2	29	00 30 00	-	-	-	—	—	—	—	—	
3	29	01 00 00	-	-	-	—	—	—	—	—	
4	29	01 30 00	-	-	-	—	—	—	—	—	
5	29	02 00 00	-	-	-	—	—	—	—	—	
6	29	02 30 00	-	-	-	—	—	—	—	—	
7	29	03 00 00	-	-	-	—	—	—	—	—	
8	29	03 30 00	-	-	-	—	—	—	—	—	
9	29	04 00 00	-	-	-	—	—	—	—	—	
10	29	04 30 00	-	-	-	—	—	—	—	—	
11	29	05 00 00	-	-	-	—	—	—	—	—	
12	29	05 30 00	-	-	-	—	—	—	—	—	
13	29	06 00 00	-	-	-	—	—	—	—	—	
14	29	06 30 00	-	-	-	—	—	—	—	—	
15	29	07 00 00	-	-	-	—	—	—	—	—	
16	29	07 30 00	-	-	-	—	—	—	—	—	
17	29	08 00 00	-	-	-	—	—	—	—	—	
18	29	08 30 00	-	-	-	—	—	—	—	—	
19	29	09 00 00	-	-	-	—	—	—	—	—	
20	29	09 30 00	-	-	-	—	—	—	—	—	
21	29	10 00 00	-	-	-	—	—	—	—	—	
22	29	10 30 00	-	-	-	—	—	—	—	—	
23	29	11 00 00	-	-	-	—	—	—	—	—	
24	29	11 30 00	-	-	-	—	—	—	—	—	
25	29	12 00 00	-	-	-	—	—	—	—	—	
26	29	12 30 00	-	-	-	—	—	—	—	—	
27	29	13 00 00	-	-	-	—	—	—	—	—	
28	29	13 30 00	-	-	-	—	—	—	—	—	
29	29	14 00 00	-	-	-	—	—	—	—	—	
30	29	14 30 00	-	-	-	—	—	—	—	—	
31	29	15 00 00	-	-	-	—	—	—	—	—	

AUG 10



SEISMOLOGICAL BULLETIN

October 1, 1952—march 31, 1953

KAMIGAMO GEOPHYSICAL OBSERVATORY

KYOTO UNIVERSITY

CONSTANTS

Constants of the station

Latitude and longitude :

35° 04' N
135° 46' E

Time: All determinations are reduced to Universal Time.

Altitude: 190 meters above mean sea level.

Ground rock: Palaeozoic system.

Constants of the Seismographs

Apparatus	Component	Period	Pendulum Damping ratio	Magnification	Maximum Magnification
W	H	12 sec.	5	200	
W	V	5	5	180	
OT	N, E	8		50	
G	N, E	8			2,000
G	Z	8			2,000

(Abbreviations ; W, Wiechert Seismograph ; OT, Omori Seismograph ;
G, Seismograph of Galitzin-type with magnification of about 2,000)

Remarks :

It is preferred that communications on this bulletin may be sent to

Prof. Eiichi Nishimura

Geophysical Institute, Faculty of Science,

Kyoto University, Kyoto, Japan.

October

NO	Date	Time (U.T.)				A. I. M. (μ)			Max. Amplitude (period)			P ~ S m. s.	Remarks
		h.	m.	s.		A _N	A _E	A _Z	A _N (T _N) μ (s)	A _E (T _E) μ (s)	A _Z (T _Z) μ (s)		
1	5	22	21	-		-	-	-	-	-	-	-	distant earthquake
2	8	14	34	16	ep es	-	-	-	-	-	-	?	distant earthquake
3	10	19	16	-		-	-	-	8.0 (18.4)	small	small	?	distant earthquake
4	10	22	40	25	ep es	-	-	-	-	-	-	1 25	distant earthquake
5	15	00	11	31	ep es	(+)	(+)	-	4.9 (7.5)	small	small	1 29	
6	17	05	01	18.0	iP iS	-4	+4	-4	35 (short)	63 (short)	24 (short)	1 02	
7	25	03	53	40.8	iP iS	(+)	(+)	(+)	-	-	-	20	local earthquake
8	26	08	41	51.0	iP iS	+26.0	-75.1	+133.2	435 (4.7)	385 (6.1)	306 (3.1)	47.6	Deep focus focus: in the
9	26	13	22	16	ep es	(-)	(-)	-	48 (8.7)	27 (14.2)	small	1 16	vicinity of Omae-
10	26	14	31	56	ep es	-0.6	-1.0	-	28 (4.8)	16 (9.6)	small	1 32	Zaki Shizuoka Pref.
11	26	15	48	08	ep es	-	-	-	60 (8.7)	61 (12.3)	small	1 45	
12	26	15	55	00	iP es	+10.0	+8.8	-	149 (12.0)	174 (11.3)	20 (-)	1 34	
13	26	18	03	56	ep es	-	-	-	160 (9.6)	171 (13.1)	14 (14.5)	1 40	
14	26	19	21	08	ep es	-	-	-	139 (11.1)	218 (11.1)	31 (-)	1 35	
15	26	20	16	16	ep es	-	-	-	-	-	-	1 45	
16	26	20	29	18	ep es	-	-	-	34 (9.1)	29 (9.5)	small	1 44	
17	26	22	02	31	ep es	-	-	-	13 (7.3)	12 (8.1)	small	1 47	
18	26	23	52	07	ep es	-	-	-	-	-	-	?	
19	27	03	19	08	ep es	+4.0	+12.0	-1.6	275 (9.2)	323 (12.7)	33 (4.7)	1 32	
20	28	06	32	54.9	iP iS	+1.0	-1.5	+1.0	140 (9.4)	141 (9.4)	small	1 44	
21	28	16	47	23.7	iP es	(very small)			35 (10.1)	small	small	1 27	

22	31	16	39	09	ep es	-0.5	-1.5	+1.0	138	168	41	1	47
									(10.0)	(10.0)	(8.6)		

November

NO	Date	Time (U. T.)				A. I. M. (u)			Max. Amplitude (Period)			P ~ S		Remarks
		B.	M.	S.		AN	AE	AZ	AN(TN) u (s.)	AE(TE) u (s.)	AZ(TZ) u (s.)	m.	s	
1	2	00	43	04	ep es	(+)	(-)	-	17 (3.6)	13 (3.5)	small	1	01	
2	4	17	03	48.5	lp es	+2.3	+1.5	-2.0	>1000 (25.7)	948 (17.1)	333 (17.4)	4	35	The Kamchatka Earthquake
3	5	13	10	45	ep es	-	-	-	20 (20.0)	13 (20.0)	small	4	16	Focus: 42° 5' N 159° 0' E
4	5	14	53	28	ep es	+1.5	+1.0	-	-	-	-	2	22	small
5	5	19	17	53	ep es	-	-	-	-	-	-	?		
6	5	22	51	17	ep es	-	-	-	10 (17.2)	30 (17.2)	small	4	32	
7	6	19	51	18	ep es	+4.0	+2.5	-	15 (17.8)	54 (17.4)	small	3	49	
8	7	14	13	21	ep es	-	-	-	5 (24.2)	small	small	4	01	
9	7	22	09	47	ep es	-	-	-	15 (15.2)	13 (14.3)	small	3	41	
10	8	17	09	35	ep es	-	-	-	-	-	-	3	54	small
11	8	19	38	03	ep es	-1.5	-1.6	+0.7	19 (16.1)	42 (12.0)	small	3	54	
12	8	23	31	47	ep es	-1.5	+1.3	+0.7	-	-	-	1	13	
13	9	00	27	02	ep es	-3.0	-3.0	+1.0	-	-	-	3	45	small
14	9	01	23	04	ep es	-	-	-	-	-	-	3	24	small
15	9	04	39	53	ep es	-	(-)	-	-	-	-	4	00	
16	9	05	11	51	ep es	(-)	-0.5	-	8 (14.5)	8 (14.7)	small	4	20	
17	9	06	01	45	ep es	+2.3	+1.3	(-)	-	-	-	3	58	
18	9	15	28	03	ep es	-1	-1	(+)	-	-	-	4	43	
19	10	20	32	10	ep es	+1.5	+2.0	-1.0	-	-	-	4	26	

20	13	08	03	44	ep	es	-	-	-	43 (9.5)	33 (10.0)	-	4	02	Max. Amplitudes are S-Waves
21	14	15	00	08.5	iP	iS	-21	+94	+61	395 (short)	270 (short)	-		3.5	local earth quake very large.
22	16	04	45	49	ep	es	-	-	-	-	-	-	1	25	small
23	18	22	40	11	ep	es	(-)	(-)	(+)	-	-	-		47	small
24	23	14	58	52.8	iP	iS	-	-	-	-	-	-		18.6	
25	24	02	17	38.16	iP	iS	+3.0	-1.5	-4.0	8 (3.8)	5 (3.8)	small	1	33	Max. Amplitudes are S-Waves
26	25	04	22	25.8	iP	iS	-	-	-	-	-	-		13.1	local earth quake
27	27	13	21	04.7	iP	iS	-1.5	+1.2	+1.0	-	-	-		14.8	local earthquake
28	28	04	35	26.4	iP	iS	-1.0	-2.5	+1.0	5 (9.0)	8 (8.8)	small		25.5	
29	28	08	08	38	ep	es	-	-	-	-	-	-	2	27	small and not clear
30	29	08	27	57	ep	es	-3.0	-3.3	+1.4	48 (18.2)	50 (10.9)	11 (22.3)	4	06	
31	29	23	55	32	ep	es	-	-	-	19 (21.2)	11 (22.6)	small	7	20	
32	30	19	34	10	ep		-1.3	-0.5	(+)	-	-	-		?	small So not remarkable

December

NO	Date	Time (U.T.)			A.I.M. (μ)			Max. Amplitude (period)			P ~ S		Remarks		
		h.	m.	S.	A N	A E	A Z	AN(TN) μ(S)	AE(TE) μ(S)	AZ(TZ) μ(S)	m.	S			
1	6	10	49	58	ep	es	-	-	-	100 (17.0)	65 (19.3)	8 (23.1)	6	45	
2	7	00	56	51	ep	es	+4.3	+3.0	-1.7	10 (22.1)	5 (21.7)	small	5	09	
3	7	23	45	46.6	iP	iS	-3.3	-0.5	+1.4	17 (short)	small	small		20.0	local earthquake
4	8	00	40	43.3	iP	iS	-	-	-0.8	-	-	-		19.8	local earthquake
5	8	15	26	-	-	-	-	-	-	17 (13.4)	small	small	1	30	
6	11	09	02	48	ep	es	+3.8	+2.5	-2.0	16 (21.1)	8 (18.5)	small	3	45	
7	15	19	44	15.6	iP	iS	-	-	+1.0	-	-	-		1.6	local earthquake

8	18	09	26	06	ep	es	+1.5	(-)	(-)	-	-	-	4	46	p-F	2 ¹¹
9	22	22	30	17.5	ip	es	+0.4	+0.6	+1.1	3.2 (17.3)	5.3 (9.4)	small	7	38		
10	24	14	29	14	ep	es	+0.6	-1.0	-	-	-	-	2	11		
11	24	18	48	?	ep	es	-	-	-	41 (22)	18 (17)	13 (23)	7	-?	distant	earthquake
12	28	15	06	55	ep	es	-	-	-	15.0 (19.0)	4.8 (16.8)	17.1 (18.1)	6	37		
13	29	02	15	05	ep	es	-	-	-	-	-	-	4	02		

January

NO	Date	Time (U.T.)			A.I.M. (μ)			Max. Amplitude (Period)			P ~ S	Remarks			
		h.	m.	s.	A N	A E	A Z	A _N (T _N) μ (s.)	A _E (T _E) μ (s.)	A _Z (T _Z) μ (s.)					
1	5	07	54	43	ep	es	+2.5	+2.5	-1.0	12P (13.0)	21P (11.9)	14 (12.0)	5	48	
2	5	10	08	32.7	ip	is	+1.0	+0.5	+2.0	-	-	-	2.2		local earthquake
3	5	10	11	07.5	ip	is	-12.0	-13.5	+10.5	103 (17.2)	175 (17.2)	17 (9.4)	3	40	
4	6	18	25	52.6	ip	is	-	-	-	-	-	-	12.8		local earthquake
5	12	17	28	32	ep	es	-	-	-	17 (7.5)	1P (7.5)	small	4	02	
6	13	12	12	41.0	ip	is	+4.5	-1.0	+7.2	90 (short)	63 (short)	63 (short)	1.6		local earthquake
7	14	09	39	31	ep	es	-	-	-	-	-	-	1	15	
8	15	03	50	53.2	ip	is	-	-	-	-	-	-	0.8		local earthquake
9	17	06	12	08	ep	es	-	-	-	-	-	-	?		near earthquake
10	17	20	49	27	ep	es	-	-	-	-	-	-	?		S: not remarkable
11	18	04	37	46.8	ip	is	-	-	-	-	-	-	18.3		near earthquake S: not remarkable
12	19	04	59	35	ep	es	-	-	-	-	-	-	1	50	local earthquake
13	19	11	07	45.0	ip	is	-0.8	-4.0	-4.0	28 (short)	48 (short)	14 (short)	2.4		local earthquake
14	20	17	39	59	ep	es	+1.5	+0.8	+1.5	-	-	-	5	32	

15	22	11	47	55.9	IP	IS	-	-	-	-	-	-	-	9.5	local earthquake
16	22	21	55	48	?	IS	-	-	-	-	-	-	-	17.5	local earthquake
17	23	02	48	51	EP	ES	-	-	-	-	-	-	-	56	
18	26	15	09	32	EP	ES	-	-	-	-	-	-	-	19	local earthquake
19	27	03	18	12	EP	ES	-	-	-	-	-	-	4	50	
20	31	09	42	58.8	IP	IS	+2.5	+3.0	-8.3	26 (short)	18 (short)	19 (short)	-	2.3	local earthquake

February

No	Date	Time (U.T)					A. I. M (μ)			Max. Amplitude			P ~ S		Remarks
		h.	m.	s.			AN	AE	AZ	AN(TN) μ(S)	AE(TE) μ(S)	AZ(TZ) μ(S)	m.	S.	
1	2	09	07	42.9	IP	IS	-	-	-	-	-	-	-	2.0	local earthquake
2	2	09	40	45			-	-	-	-	-	-	-	-	distant earthquake
3	2	20	53	15.3	IP	IS	(-)	-0.5	-	-	-	-	-	1.6	local earthquake
4	3	01	20	22	EP	ES	-	-	-	-	-	-	1	05	
5	3	08	07	57	EP	ES	-	-	-	-	-	-	-	22	
6	6	03	14	21.4	EP	ES	-	-	-	-	-	-	-	10.5	local earthquake
7	6	13	15	19.5	EP	ES	-2.0	-1.8	+1.4	80 (14.0)	123 (14.8)	8 (15.9)	1	47	
8	6	14	08	32.4	IP	IS	-0.5	+2.0	+1.4	-	-	-	-	12.0	local earthquake
9	6	19	19	51.2	IP	IS	-	-	-	-	-	-	-	7.2	local earthquake
10	7	07	43	58	EP	ES	-	-	-	-	-	-	-	25	
11	7	18	30	-			-	-	-	-	-	-	-	-	distant ? earthquake
12	9	04	56	43.8	IP	IS	-1.0	-8.7	-7.2	39 (short)	45 (short)	30 (short)	-	4.7	local earthquake
13	9	21	50	00.5	IP	IS	-	-	-	-	-	-	-	9.0	local earthquake
14	11	01	19	53	?	IS	-	-	-	-	-	-	-	15	local earthquake

15	12	05	01	00.6	zP	zS	—	—	—	—	—	—	—	0.9	local earth quake very small
16	12	08	30	—?	—	—	—	—	—	7 (18.8)	5 (18.8)	small	—	—	aisant earthquake
17	14	20	52	25	ep	es	-1.2	—	+0.5	—	—	—	3	23	
18	16	05	18	27.5	zP	zS	—	—	—	—	—	—	—	11.2	local earthquake
19	17	09	18	02.7	zP	zS	—	—	—	—	—	—	—	1.7	local earthquake very small
20	19	15	30	42.3	zP	zS	—	—	—	—	—	—	—	6.0	local earthquake
21	22	01	23	18.8	zP	zS	—	(+)	+1.0	—	—	—	—	11.2	local earthquake
22	24	21	10	21.4	zP	zS	+0.8	+1.0	—	32 (short)	93 (short)	small	—	1.8	local earthquake
23	26	11	51	50	ep	es	+2.8	-1.8	+2.5	40 (17.2)	35 (23.7)	3 (15.5)	7	2.5	large and shallow
24	26	17	54	13.5	zP	zS	-3.3	+5.8	+6.1	—	—	—	—	3.7	local earthquake
25	27	22	04	16.8	zP	zS	+1.0	+2.0	-3.9	—	—	—	—	32.3	

March

No.	Date	Time (U.T.)			A. I. M. (M)			Max. Amplitude (Period)			P ~ S		Remarks		
		H.	M.	S.	AN	AE	AZ	AN (T ₁) M (S.)	AE (T ₂) M (S.)	AZ (T ₃) M (S.)	M.	S.			
1	2	02	16	32.3	zP	es	+0.5	—	(+)	—	—	—	—	28.4	local earthquake small
2	3	11	37	25	ep	es	—	—	—	—	—	—	3	40	small
3	3	22	58	38	ep	es	+1.5	+1.0	(-)	—	—	—	3	41	small
4	4	03	26	28.1	zP	zS	—	—	—	—	—	—	—	2.9	local earthquake very small
5	5	21	06	29	ep	es	-5.5	-3.7	+2.8	11 (11.3)	21 (7.5)	small	4	11	
6	5	21	26	26	ep	es	-1.5	-1.0	+0.8	9 (14.1)	11 (17.0)	small	3	56	
7	7	13	34	01.3	zP	zS	—	—	—	—	—	—	—	6.7	local earthquake very small
8	13	03	50	05	ep	es	-1.2	+0.8	-1.4	5 (10.0)	17 (10.0)	small	—	19.6	
P	14	17	08	05	ep	es	—	—	—	—	—	—	4	00	

10	15	08	31	01	iP	iS	-	-	-	-	-	-	-	2.2	local earthquake very small
11	15	20	4P	31.5	iP	iS	-3.0	-0.2	+4.4	-	-	-	-	5.3	local earthquake
12	17	13	0P	26	eP	eS	-	-	-	-	-	-	3	5.2	small
13	17	1P	3P	25.5	iP	iS	(+)	-	-1.0	35 (short)	98 (short)	53 (short)	-	5.8	local earthquake
14	18	1P	18	22	eP	eS	-	-	-	2P (18.2)	6P (15.4)	6 (15.5)	10	10	
15	1P	08	44	50	eP	eS	-	-	-	-	-	-	2	4P	small, not clear
16	20	16	46	44.0	iP	iS	-	-	+1.0	small	15 (short)	small	-	1.8	local earthquake
17	21	01	25	32.0	eP	eS	-	-	-	-	-	-	1	0.8	small
18	22	13	38	28.3	iP	iS	-1.0	-1.2	-1.2	-	-	-	-	3.4	local earthquake
1P	22	23	41	47.8	iP	iS	+1.3	-1.0	-3.3	4P (short)	35 (short)	14 (short)	-	2.3	local earthquake