

大阪地震累年報

Results of the Seismological Observation in Osaka,
for the several years in succession.



月 Date	發震時 P. m. s.			第一初期 P-Sor P-L		第二初期 S-L		最大動出現 時 M. s.			振幅 Amplitude μ	振動期 Period s.	距離 K.M.	震央 Epicenter
	h.	m.	s.	m.	s.	m.	s.	h.	m.	s.				
XI 4	13	35	?	—	—	—	—	13	43	25	- 25	7.2	—	A distant earthquake
" 6	13	48	59	1	9	—	—	13	50	58	- 25	4.1	510	—
" 6	16	46	1	1	10	—	—	16	48	15	- 8	3.0	520	—
" 8	8	44	19	0	16	—	—	8	44	45	- 14	1.5	120	Matuzaka-cho, Ise province
" 12	11	29	14	1	0	—	—	11	30	15	- 21	1.5	440	—
" 12	14	21	21	0	54	—	—	14	23	01	- 55	4.2	400	The Kujukuri shore
" 18	4	6	25	5	58	—	—	4	13	06	+127	5.0	3060	A distant earthquake
" 20	14	21	3	7	29	—	—	14	30	17	-103	9.6	3660	"
" 23	6	3	35	—	—	—	—	6	14	25	- 27	8.6	—	"
" 24	0	40	46	0	43	—	—	0	42	00	+105	7.2	320	Upper Valley of River Himekawa, Sinano
XII 1	16	45	0	—	—	—	—	16	46	24	- 19	2.0	—	—
" 11	16	45	27	0	46	—	—	16	47	01	- 35	3.4	340	In the Bungo channel
" 15	9	54	27	0	12	—	—	9	54	42	- 83	1.6	90	Middle Valley of River Kumano-gawa
" 20	0	29	33	1	31	—	—	0	31	42	-268	3.0	670	Kasima-tada
" 20	19	38	22	2	55	—	—	19	48	05	-115	12.0	1860	Hiyake-jima far off the coast of Taito
" 20	20	41	33	3	4	—	—	20	46	47	-760	28.8	1920	"
" 20	21	42	56	1	31	—	—	21	47	10	-328	7.2	670	SE. off the coast of Hyuga

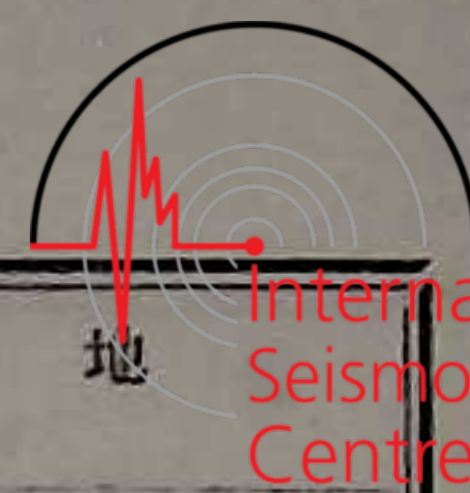
大 正 九 年 (1920)

I 3	0	53	3	1	17	—	—	0	56	05	- 45	4.0	570	Off the coast of Akita
" 3	8	47	3	1	14	—	—	8	50	14	- 55	4.8	550	"
" 6	3	52	20	1	2	—	—	3	54	22	- 73	4.8	460	Off the coast of Iwaki
" 11	15	27	35	0	35	—	—	15	28	48	+ 24	1.7	260	Central part of Honsyu
" 11	15	44	9	1	1	—	—	15	46	12	+ 9	4.0	450	—
" 12	13	43	32	—	—	—	—	13	51	42	+155	12.0	—	A distant earthquake
" 13	18	32	33	—	—	—	—	18	35	07	+129	9.6	—	Off the coast of Akita
" 17	18	49	38	1	41	—	—	18	53	05	-172	7.2	750	"
" 23	5	35	28	—	—	—	—	5	35	57	+ 58	2.1	—	Near Kōbe-city
II 1	13	32	54	—	—	—	—	13	41	09	- 38	4.0	—	A distant earthquake
" 2	11	30	4	9	12	8	25	11	50	50	-667	17.2	7630	East off New Guinea
" 5	14	44	31	0	4	—	—	14	44	36	±96	1.0	24	Bay of Osaka
" 7	15	9	41	1	46	—	—	15	12	29	-295	4.6	790	Off the coast of Aomori
" 18	0	0	43	0	42	—	—	0	02	38	- 18	5.0	310	Valley of River Azusa-gawa, Sinano
" 18	0	47	32	0	45	—	—	0	49	02	- 19	4.8	330	"
" 18	7	42	10	—	—	—	—	7	42	58	+ 13	4.3	—	"
" 18	10	32	24	0	43	—	—	10	34	23	+ 72	4.8	320	"
" 19	4	48	40	0	44	—	—	4	51	05	+ 55	4.4	330	"
" 19	4	59	47	0	43	—	—	5	01	30	+ 98	4.6	320	"
" 22	17	39	9	2	36	—	—	17	42	23	+1136	4.8	1740	East off the coast of Hokkaido
" 23	6	34	23	0	42	—	—	6	36	30	- 32	4.0	310	In the Bungo channel
III 4	8	58	33	0	9	—	—	8	58	53	+127	1.6	60	In the Kii channel
" 15	12	16	52	—	—	—	—	12	37	47	+ 50	14.4	—	A distant earthquake
IV 2	1	12	25	—	—	—	—	1	22	21	+ 30	7.2	—	"
" 2	15	15	2	4	0	—	—	15	19	36	-123	8.6	3060	"
" 4	11	7	8	0	11	—	—	11	07	29	±84	1.0	77	Southern part of Yamato province

時刻 本表ノ時刻ハ發震時ヲ用ヒタルヲ以テ之ヲ本邦中央標準時トナスニハ九時ヲ加フベシ例ヘバ二日ノ二十三時ハ三日ノ八時トナルガ如シ

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月 Date	日	發震時			第一初期		第二初期		最大動出現			振幅 Ampli- tude μ	振動期 Period s.	距離 距離 K.M.	震央 Epicenter
		h.	m.	s.	P-Sor m. s.	P-L m. s.	S-L m. s.	時	M.	s.					
IV	9	14	37	59	3	40	—	—	14	42	22	+ 5	4.8	2150	A distant earthquake
"	11	23	8	1	3	28	—	—	23	11	43	-138	6.2	2080	Off Urup Island
"	12	14	25	28	0	33	—	—	14	26	34	- 43	2.5	240	Off the coast of Noto
"	13	5	1	50	9	11	—	—	5	13	13	- 47	3.5	80	Eastern part of Awaji
"	14	18	50	44	—	—	—	—	18	53	01	+ 10	4.4	—	A distant earthquake
"	15	12	14	27	0	46	—	—	12	16	14	+192	4.0	340	Off the coast of Tootoomi
"	18	2	41	28	0	32	—	—	2	42	31	+ 30	1.8	240	Central part of Inland sea
"	29	7	29	49	0	35	—	—	7	30	44	+ 14	1.9	260	Valley of River Azusa-gawa, Sinano
V	2	8	42	33	—	—	—	—	8	50	47	- 40	8.6	—	A distant earthquake
"	2	15	1	40	—	—	—	—	15	07	15	+ 30	8.6	—	"
"	6	9	43	25	1	24	—	—	9	45	17	- 75	4.8	620	SE. off Vladivostock
"	7	5	47	24	6	14	—	—	5	57	00	+428	19.2	3160	A distant earthquake
"	7	21	40	32	7	19	4	52	21	56	05	-873	15.4	5890	E. off New Guinea
"	9	19	56	55	5	48	—	—	19	06	35	-115	14.4	2990	A distant earthquake
"	12	21	54	3	0	36	—	—	21	55	22	-1652	4.8	270	Izu-Osima
"	13	1	56	16	5	17	3	26	1	05	06	+638	24.0	4140	Caroline, Island
"	18	16	27	42	0	12	—	—	16	28	32	+220	1.8	90	In the Kii channel
"	20	7	35	34	7	45	7	16	8	00	30	+ 15	14.4	6610	A distant earthquake
"	21	19	20	20	0	38	—	—	19	22	59	+ 60.	3.0	280	In the Bungo channel
"	22	17	5	13	—	—	—	—	17	06	38	- 6	3.5	—	—
"	22	18	25	31	0	24	—	—	18	26	06	+ 97	1.0	180	Gunjo-gun, Gifu prefecture
"	28	18	25	33	0	28	—	—	18	26	40	+ 50	2.5	210	Valley of River Masuda, Gifu prefecture
"	29	6	1	43	0	20	—	—	6	02	44	+ 21	1.8	150	Near Hamamatu
VI	2	1	19	23	—	—	—	—	1	19	37	± 10	0.5	—	Western part of Kii
"	2	8	35	35	—	—	—	—	8	37	56	+ 32	4.8	—	"
"	5	4	25	17	3	22	—	—	4	30	20	>4000	29.0	2040	Off Karenko
"	5	6	44	57	—	—	—	—	6	45	50	- 26	1.8	—	—
"	6	5	39	54	—	—	—	—	5	41	11	- 15	3.8	—	Off the coast of Kusiro
"	6	15	32	5	0	23	—	—	15	32	52	+ 5	1.0	170	Kaga province
"	9	1	13	31	0	5	—	—	1	13	49	+ 28	0.5	30	Bay of Osaka
"	9	3	14	29	—	—	—	—	3	20	31	- 13	5.0	—	A distant earthquake
"	9	11	38	18	6	15	—	—	11	49	14	+102	7.2	4220	"
"	9	16	13	7	0	18	—	—	16	13	55	+ 6	1.0	130	Near Mikawa
"	10	2	35	1	4	16	—	—	2	41	27	- 30	6.0	2400	A distant earthquake
"	10	17	57	57	—	—	—	—	18	05	59	- 25	9.0	—	"
"	15	3	6	1	—	—	—	—	3	16	04	+ 12	7.8	—	"
"	22	8	10	47	0	36	—	—	8	12	05	+ 85	3.1	260	District of Kwanto
VII	1	19	58	29	0	36	—	—	19	59	59	+ 55	2.4	260	"
"	2	21	44	27	—	—	—	—	21	50	57	- 77	4.8	—	A distant earthquake
"	3	14	20	10	0	54	—	—	14	22	06	-238	4.6	400	Near Maebasi
"	6	3	11	13	—	—	—	—	3	19	16	+ 19	5.5	—	A distant earthquake
"	12	1	36	1	1	2	—	—	1	37	05	+ 45	5.0	460	Izu-Osima
"	12	2	48	13	—	—	—	—	2	49	59	+ 20	4.8	—	Coast of Tokati Hokkaido
"	12	3	39	2	—	—	—	—	3	50	57	+ 10	4.8	—	Near Izu-Osima
"	12	3	51	57	1	0	—	—	3	55	16	-100	5.4	440	"

時刻

本表ノ時刻ハ發震時ヲ用ヒタルヲ以テ之ヲ本邦中央標準時トナスニハ九時ヲ加フベシ例ヘバ二日ノ二十三時ハ三日ノ八時トナルガ如シ

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	h.	m.	s.	m.	s.	m.	s.	h.	m.	s.				
VII	12	4	32	46				4	34	42	- 10	5.0	—	Near Izu-Oshima
"	13	8	12	6	1	12		8	13	58	+202	5.0	530	"
"	20	9	37	23				9	38	59	+ 16	1.2	—	"
"	20	12	19	32	1	7		12	22	36	+162	4.8	490	East off Miyake-jima
VIII	6	18	33	34	0	46		18	35	00	+ 21	3.5	340	The Kanto district
"	15	8	25	50	7	38	7 0	8	41	38	+ 20	7.2	6460	Near Solomon Island
"	15	11	50	49	0	19		11	51	42	+255	1.0	140	Districts of Mino and Owari
"	25	22	1	23				22	08	35	- 32	4.8	—	A distant earthquake
"	26	23	7	57				23	17	55	- 15	4.8	—	"
"	31	7	13	45	0	9		7	13	55	± 54	1.0	60	Near Himeji
IX	6	4	42	18	0	57		4	44	09	- 19	3.0	420	Northern part of Ibaraki prefecture
"	6	23	21	3	0	47		23	21	54	+ 18	3.2	340	—
"	7	21	55	15	1	6		21	57	06	+ 24	3.0	480	Near Hatijo Island
"	8	1	57	18	10	23	12 35	2	22	44	+ 22	9.6	9730	Tuscany, Italy
"	9	19	6	24	8	4	8 52	19	26	25	- 45	19.2	7360	A distant earthquake
"	16	15	10	23	1	43		15	13	40	+135	6.2	760	East off the cape of Ezan, Hokkaido
"	20	14	49	25	8	34	7 58	15	11	17	-1063	24.0	7200	Tonga Island
"	20	17	38	17				17	47	45	+ 25	5.0	—	A distant earthquake
"	20	20	28	39	1	50		20	31	22	+ 72	4.8	810	Off the coast of Mutu
"	21	17	46	15	3	15		17	50	37	+130	9.7	1990	Kamchatka
"	23	5	37	44	3	38		5	41	41	- 62	7.2	2140	"
"	23	19	39	17	2	34		19	43	46	- 85	9.6	1720	Ryukyu Islands
X	18	8	15	21	2	48		8	18	50	+788	7.2	1810	South off the coast Syana
"	20	10	6	24	3	40		10	13	46	+150	9.2	2150	Off the coast of Karenko, Formosa
"	22	10	58	6				11	03	41	- 30	5.7	—	A distant earthquake
"	22	12	32	23				12	37	49	- 10	5.0	—	"
"	22	14	32	22	0	58		14	33	51	- 13	2.8	430	Kasima-nada
"	12	20	35	59	0	34		20	35	53	- 35	2.0	250	—
XI	8	15	12	47	0	55		15	14	31	+ 8	3.3	400	Kwanto district
"	8	17	39	19	1	21		17	41	35	-313	4.8	600	Kasima-nada
"	15	11	2	34	4	38		11	08	55	- 55	7.6	2530	A distant earthquake
"	16	5	56	32				6	04	37	- 35	7.2	—	—
"	16	8	40	59				8	41	56	+ 16	3.6	—	—
"	20	8	34	58	0	17		8	36	46	- 25	6.0	120	Upper Valley of River Arita
"	27	23	52	33	0	6		23	52	43	± 37	0.5	36	Near Kobe city
"	30	1	26	55	0	12		1	27	19	± 50	0.5	90	In the Kii channel
"	30	11	38	11	0	12		11	38	30	+ 7	0.5	90	"
XII	2	23	41	41	1	5		23	43	20	+320	5.0	480	East coast of Housyu
"	3	18	49	33	0	54		18	51	09	- 76	2.4	400	—
"	14	2	23	12	0	36		2	23	59	+ 28	1.7	260	Central part of Inland sea
"	16	12	11	13	4	22		12	15	45	-4500	16.8	2430	Kansu in China
"	18	22	52	58				22	54	56	+ 26	2.7	—	Western part of Kyusyu
"	19	20	12	10	1	34		20	14	53	-987	4.0	690	Kasima-nada
"	24	21	51	52				21	53	28	+ 32	6.2	—	Hyuga-nada
"	25	11	38	39	4	17	3 32	11	47	23	-1363	14.0	3780	A distant earthquake

時刻

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	h.	m.	s.	m.	s.	m.	s.	h.	m.	s.				
II 27	9	21	4	1	50	—	—	9	23	56	-280	6.2	810	SE. off the coast of Honsyu
" 28	3	29	46	—	—	—	—	3	32	29	+60	9.6	—	—
" 28	5	29	4	1	21	—	—	5	31	41	+295	7.6	600	Kasima-nada
大 正 十 年 (1921)														
I 2	7	11	8	3	3	—	—	7	14	59	-115	4.8	1910	South off Yotorop Island
" 3	22	9	15	0	11	—	—	22	09	28	-15	1.0	70	In the Kii channel
" 7	9	47	47	—	—	—	—	9	50	52	-25	5.8	—	A distant earthquake
" 7	18	37	45	0	25	—	—	18	38	42	-13	1.5	180	Near Gihu
" 9	18	57	12	1	22	—	—	18	58	48	-250	7.2	610	Kasima-nada
" 12	14	53	51	0	48	—	—	14	55	27	+29	4.8	350	In the Bungo channel
" 14	7	12	12	—	—	—	—	7	20	10	-50	7.2	—	A distant earthquake
" 19	15	1	52	—	—	—	—	15	08	22	-17	6.0	—	"
II 10	23	58	21	3	21	—	—	0	04	01	+117	6.0	2080	"
" 14	1	8	6	—	—	—	—	1	16	24	+37	6.7	—	"
" 14	3	1	27	0	43	—	—	3	02	20	-513	5.8	320	Yamura-cho, Yamanasi prefecture
" 19	14	41	37	—	—	—	—	14	50	32	+25	9.0	—	A distant earthquake
" 19	18	20	54	—	—	—	—	18	32	18	+55	16.8	—	"
" 27	18	35	8	9	24	9	10	18	58	59	-120	24.0	8000	Near Samoa Island
III 1	6	34	2	—	—	—	—	6	49	17	+20	6.0	—	A distant earthquake
" 3	3	3	52	1	36	—	—	3	05	47	+1688	4.8	710	Eastern part of Iwaki
" 3	8	29	18	7	35	—	—	8	39	10	-29	6.0	3690	A distant earthquake
" 4	12	52	36	1	10	—	—	12	54	46	-135	5.3	520	SE. off the coast of Honsyu
" 5	6	33	7	—	—	—	—	6	57	11	+60	15.8	—	A distant earthquake
" 6	1	42	48	—	—	—	—	1	43	36	+22	3.0	—	Off the coast of Mutu
" 6	4	59	12	—	—	—	—	4	59	51	+11	1.0	—	In the Kii channel
" 9	16	37	53	—	—	—	—	16	38	05	-8	0.5	—	Districts of Mino and Owari
" 12	15	22	55	0	12	—	—	15	23	36	+26	4.8	90	—
" 15	4	32	30	—	—	—	—	4	34	10	+156	2.3	—	Eastern part of Iwaki
" 19	8	25	9	3	12	2	24	8	33	43	-97	9.6	2930	SW. off the coast of Formosa
" 24	1	33	30	6	15	—	—	1	41	50	+36	6.0	3170	A distant earthquake
" 24	14	47	1	4	14	—	—	14	52	01	+200	4.8	2380	Near Simusyu Northern Kurile Islands
" 29	22	15	52	3	27	2	13	22	22	20	-125	19.2	2930	South off Kamchatka
" 30	15	10	5	6	9	—	—	15	19	45	-80	9.6	4950	New Guinea
IV 1	4	16	17	9	30	8	0	4	38	06	+125	14.4	7580	Caroline Islands
" 1	12	10	7	7	32	7	8	12	27	20	+10	19.2	6470	A distant earthquake
" 2	9	40	40	3	58	2	46	9	47	43	-225	14.4	3360	"
" 12	9	46	14	—	—	—	—	9	53	50	+45	7.2	—	Mindanao Island
" 18	18	0	3	0	43	—	—	18	01	22	+70	4.0	320	Near Saeki-cho, Oita prefecture
" 24	16	5	54	0	12	—	—	16	06	08	+25	0.5	90	Matuzaka-cho, Ise province
" 25	7	12	17	—	—	—	—	7	14	41	+35	4.0	—	In the Bungo channel
" 27	12	11	56	0	44	—	—	12	12	42	-18	4.0	330	Near Tokyo
" 28	10	4	0	—	—	—	—	10	08	58	-22	4.6	—	A distant earthquake
" 29	19	30	57	0	11	—	—	19	31	13	+8	1.0	80	In the Kii channel
V 13	11	54	13	0	36	—	—	11	55	25	+21	1.5	270	Central part of Sagami province

時刻

本表ノ時刻ハ繰成時ヲ用ヒタルヲ以テ之ヲ本邦中央標準時トナスニハ九時ヲ加フベシ例ヘバ二日ノ二十三時ハ三日ノ八時トスルガ如シ