

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



月 Date	發震時 P. s.			第一初期 P-SorP-L		第二初期 S-L		最大動出現 M.			振幅 Amplitude μ	振動期 Period s.	距離 K.M.	震央 Epicenter 地	
	h.	m.	s.	m.	s.	m.	s.	h.	m.	s.					
X	12	12	23	48	0	35	—	12	24	21	+63	3.0	258	Near Miyosi, Hiroshima prefecture	
"	13	15	23	49	5	23	—	15	31	25	+8	7.4	3585	SE. coast of mindanao Island	
"	15	8	33	39	8	36	—	8	48	47	-28	8.5	7130	Distant earthquake	
"	15	14	29	34	8	4	12	1	15	1	3	-55	10.2	6500	Coast of Baluchistan, southern coast of India
"	17	3	29	49	0	47	—	3	30	50	-28	1.3	350	Lower Valley of river Sakaha Kanagawa	
"	20	12	48	28	1	53	—	12	51	36	-438	6.1	839	South off Yaku Island	
"	23	17	57	17	4	6	—	18	1	49	-55	6.5	2510	In the Okhotsk sea	
XI	1	16	30	6	1	18	—	16	31	59	± 27	3.6	579	SSW. off Hatijo Island	
"	5	4	43	5	1	5	—	4	45	39	± 50	6.3	482	Upper Valley of the river Tikugo	
"	6	4	15	18	7	45	12	40	4	38	56	-70	17.9	6150	Near New Hebrides
"	23	17	49	19	0	31	—	17	50	19	+225	4.3	229	Bay of Tosa	
"	24	22	23	29	0	10	—	22	24	21	-68	3.2	74	Upper Valley of river Mukogawa, Hyogo	
"	28	10	51	31	6	35	9	0	11	12	55	± 90	18.7	4865	SW. off Celebes Island
XII	1	4	24	35	14	45	40	49	5	54	40	+225	22.3	16500	Near Talca, Chile
"	7	9	22	4	6	3	—	9	32	5	+45	5.8	5280	Near New Guinea	
"	9	—	—	—	—	—	9	5	0	23	38	+63	16.7	—	Distant earthquake
"	9	5	15	58	5	43	7	23	5	32	3	± 38	15.2	3925	"
"	9	17	25	56	4	2	—	—	—	—	—	—	2460	"	
"	12	20	7	21	1	7	—	20	9	31	+221	3.5	496	Off the coast of Kujukuri	
"	19	11	43	3	5	33	—	11	58	1	-558	19.0	3755	South off mindanao Island	
"	19	15	18	47	2	43	—	15	22	25	+16	2.6	1560	—	
"	21	1	41	57	1	9	—	1	43	45	-67	3.6	513	NE. off Choshi	
"	21	23	18	43	1	9	—	23	19	57	+50	3.1	513	Upper valley of Kikuchigawa	
"	28	14	26	19	5	25	—	14	35	48	+100	12.5	3620	Near Illana Bay, mindanao Island	

昭和四年 (1929)

I	1	16	41	14	1	0	—	16	42	48	-225	7.2	445	—	
"	8	18	8	49	1	7	—	18	10	35	+73	3.4	493	In the sea of Kasima	
"	13	0	7	46	4	2	—	0	11	52	+1800	16.2	2460	North eastern part of Okhotsk sea	
"	13	18	49	57	3	19	—	18	56	50	-40	6.1	1955	Suiyuan, NW. of Peking, China	
"	16	8	11	10	4	7	—	8	16	18	+250	9.0	2525	Near Bagnio, Central Luzon	
"	17	22	33	56	4	14	—	22	38	50	-58	8.8	2610	A distant earthquake	
"	21	2	23	2	0	9	—	2	23	57	-58	3.3	—	—	
II	1	17	23	15	7	21	—	17	32	28	-125	6.4	5690	Turkestan of Central Asia	
"	3	2	46	21	2	26	—	2	50	30	-200	6.8	1390	Near Naze, Ryukyu IIs.	
"	3	7	5	59	2	21	—	7	11	16	+55	5.3	1330	"	
"	6	6	53	7	3	48	—	6	57	45	-125	6.0	2290	East off the coast of Yetrop, Tisima	
"	9	12	29	22	1	10	—	12	32	31	+105	5.5	517	Near Kumamoto, Kyusyu	
"	10	21	36	43	0	7	—	12	37	23	+32	1.4	53	In the Kii channel	
"	14	14	40	45	2	53	—	14	45	10	-103	9.9	1670	ESE. off Naze, Ryukyu IIs	
"	15	5	47	24	4	9	—	5	53	57	+55	5.5	2550	E. off Philippine Islands	
"	20	13	27	31	0	14	—	13	28	05	+25	5.7	106	Near Mineyama, North Tango province	
"	20	21	6	6	8	45	8	31	21	25	15	± 38	4.9	7310	Near Samoa Is.
III	7	1	42	38	6	23	3	26	1	54	54	-1390	19.4	4645	Western part of Aleutian IIs.
"	9	2	14	30	2	7	—	2	18	27	+175	15.7	1200	West off Marianne IIs.	

時刻 本表ノ時刻ハ綠威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

大阪地震累年報

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

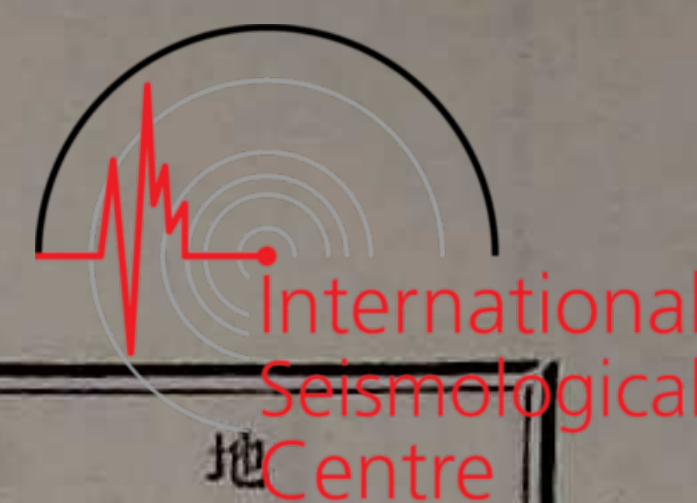


月 Date	發震時 P. h. m. s.			第一初期 P-Sor P-L. m. s.		第二初期 S-L. m. s.		最大動出現 時 M. h. m. s.			振幅 Ampli- tude μ	震動期 Period s.	距離 Δ K.M.	震央地 Epicenter
	h.	m.	s.	m.	s.	m.	s.	h.	m.	s.				
III 9	11	3	29	9	25	13	55	11	40	55	± 33	14.1	8080	Near Kermadec IIs, NE. off New Zealand
" 10	14	38	56	3	0	—	—	14	43	08	+ 70	7.9	1710	SE. off Bonin IIs
" 15	1	59	25	1	42	—	—	2	01	47	-113	8.7	757	E. off Miyako, Iwate prefecture
" 18	23	22	57	1	31	—	—	23	26	14	-238	6.2	675	E. off Kinkwazan, Miyagi prefecture
" 22	3	16	42	4	11	—	—	3	23	11	± 48	7.1	2575	A distant earthquake
" 23	20	7	1	7	20	—	—	20	15	55	± 200	6.2	5690	A distant earthquake
" 26	23	39	41	1	12	—	—	28	41	08	+183	3.0	539	E. off Kinkwazan, Miyagi prefecture
" 27	5	5	9	1	45	—	—	5	07	30	-225	3.1	776	SE. off Miyako, Iwate prefecture
" 27	9	25	27	1	43	—	—	9	28	24	+500	3.6	764	—
" 27	16	33	42	1	18	—	—	16	35	44	+ 53	3.3	579	E. off Katsuma, Boso peninsula
" 27	21	41	13	1	12	—	—	21	42	41	+ 18	3.3	539	Off the Kujukuri Shore, Tiba prefecture
" 31	20	0	11	0	6	—	—	—	—	—	—	—	48	In the Kii channel
" 31	20	19	24	2	3	—	—	20	22	27	+203	4.3	913	ESE. off Kinkazan, Miyagi prefecture
IV 16	0	50	30	0	10	—	—	0	50	46	+ 17	0.9	75	—
" 16	0	54	22	1	10	—	—	0	56	33	± 933	4.1	542	Kasima-nada
" 17	18	35	26	1	15	—	—	18	37	36	-351	4.0	551	"
" 23	14	17	4	0	57	—	—	14	18	58	+183	3.6	421	—
V 1	15	48	9	8	37	15	10	16	16	07	-2250	18.5	7144	Khorassan, northeastern part of Persia
" 2	14	29	30	2	22	—	—	14	34	13	- 43	3.6	1340	Near the Kamasiri Channel, east off Hokkaido
" 20	5	0	23	5	24	—	—	5	06	53	- 28	5.9	3605	In the Behring sea
" 21	16	36	38	0	56	—	—	16	38	06	+2955	14.0	414	In the sea of Oyuga
" 21	17	11	53	0	50	—	—	17	13	33	- 16	3.7	373	"
" 21	17	22	46	0	52	—	—	17	24	07	+ 4	2.7	382	"
" 23	3	23	16	0	23	—	—	3	24	40	- 43	4.4	168	—
" 26	8	49	1	6	36	—	—	—	—	—	—	—	4885	Sunda IIs
" 26	22	50	38	7	33	10	36	23	17	06	+ 45	17.4	5950	Near Graham Island, SE part of Alaska
" 31	0	12	33	2	1	—	—	0	15	59	+ 97	5.6	1130	SW. off the Erimo Promontory, Hokkaido
" 31	1	38	55	0	5	—	—	1	39	20	+ 3	2.0	—	—
VI 1	18	0	53	2	12	—	—	18	04	50	+ 20	5.0	1240	SW. off Okinawa Ryukyu IIs
" 2	21	39	25	0	38	—	—	21	40	36	-728	4.8	282	Sima peninsula, Mie prefecture
" 4	15	21	24	4	36	—	—	15	27	16	+ 75	5.8	2905	A distant earthquake
" 7	19	54	3	0	28	—	—	19	54	44	- 33	0.9	—	In the Bungo channel
" 9	9	11	30	3	19	—	—	9	19	27	+200	16.0	1955	SE. off Etrup Island, Kurile IIs
" 12	11	49	13	5	0	—	—	11	54	19	± 30	10.0	3245	A distant earthquake
" 13	0	16	2	2	15	—	—	0	24	14	± 405	7.0	1265	SE. off Etrup Island
" 13	0	29	52	3	22	—	—	0	35	58	+650	24.2	1990	"
" 13	9	30	9	4	44	—	—	9	36	41	+1290	28.5	3015	East of Luzon, Philippine
" 13	19	53	49	8	53	—	—	20	05	48	± 13	6.3	7460	A distant earthquake
" 13	20	24	44	1	3	—	—	20	24	44	+ 63	5.0	468	ENE. off the Sioya Promontory
" 16	22	59	57	10	29	12	57	23	34	39	+513	21.3	9370	Near New Zealand
" 17	6	45	11	0	19	—	—	6	45	55	- 24	1.4	137	SE. off Tanabe Bay, Wakayama prefecture
" 17	10	21	29	3	50	—	—	10	29	11	+ 20	4.9	2324	A distant earthquake
" 24	2	5	43	1	6	—	—	2	07	30	+ 63	5.6	487	ENE. off the Sioya Promontory
" 26	16	50	32	1	5	—	—	16	53	05	+255	7.7	484	NE. off the Inuboo Promontory
" 27	13	6	52	11	19	14	30	13	38	03	+ 50	24.2	10470	Sandwich Islands

時刻

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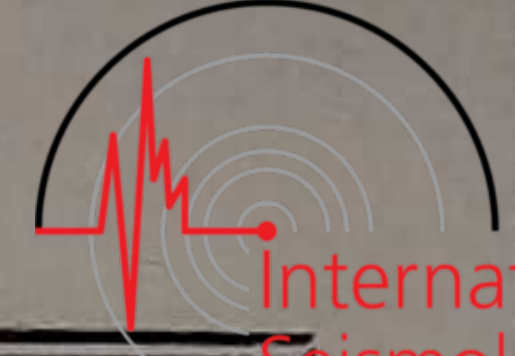
月 Date	發震時			第一初期		第二初期		最大動出現			振幅 Amplitude μ	振動期 Period s.	距離 K.M.	震央 Epicenter 地
	h.	m.	s.	P-SorP-L m.	P-L s.	S-L m.	S-L s.	時 h.	M. m.	S. s.				
VI 30	2	50	12	4	56	—	—	2	59	7	+ 63	19.5	3195	Distant earthquake
VII 3	20	2	41	0	12	—	—	20	5	16	-380	2.9	88	Upper Valley of River Arita, Wakayama
" 5	5	8	37	1	5	—	—	5	9	43	- 16	2.1	479	NW. far off Sado Island Japan sea
" 5	14	26	16	5	48	—	—	14	44	0	±28	20.0	4016	Alentian Islands
" 5	21	44	35	5	48	—	—	21	51	18	+ 8	5.3	4017	"
" 5	22	43	31	—	—	—	—	—	—	—	—	—	—	"
" 6	2	11	8	5	39	—	—	2	18	20	± 8	4.0	3857	"
" 7	21	30	25	5	51	—	—	21	40	3	+350	25.6	4067	"
" 8	12	0	41	0	9	—	—	12	0	51	+ 7	0.5	66	Upper Valley of river Suzuka
" 8	16	10	56	0	7	—	—	16	11	39	+ 3	1.0	49	In the Kii channel
" 9	3	46	32	0	9	—	—	3	47	1	- 7	0.7	65	"
" 12	17	59	33	2	6	—	—	18	2	2	- 6	2.9	935	NE. off Naze Island
" 13	14	58	24	6	47	—	—	15	5	20	+ 50	5.5	5085	In the south sea
" 14	9	40	26	4	42	2	42	9	49	17	-242	17.1	2975	East off Kamchatka
" 15	22	47	5	1	9	—	—	22	48	52	- 10	2.6	511	Off the cape of Inubo
" 17	8	41	14	4	3	—	—	—	—	—	—	—	—	Alentian Islands
" 17	10	50	25	0	57	—	—	10	51	53	+ 91	3.2	426	Basin of the Kinugawa
" 21	13	20	47	4	21	—	—	13	25	48	+ 25	5.5	2707	South eastern part of Luzon, Philippine
" 26	22	49	4	0	51	—	—	22	50	15	+1915	5.0	379	Near Mt. Tanzawa
" 28	17	33	55	0	51	—	—	17	35	15	±40	3.1	381	"
VIII 3	16	1	18	0	57	—	—	16	3	43	- 92	3.0	424	NW. off Kammon channel
" 6	9	24	46	1	57	—	—	9	27	29	- 7	0.5	866	—
" 8	4	49	31	0	41	—	—	4	50	14	- 50	3.3	302	Upper Valley of river Fujikawa
" 8	13	4	22	6	16	5	56	13	21	31	±173	14.5	4520	Bay of Bengal
" 8	13	34	45	1	2	—	—	13	36	46	+ 18	2.5	458	Near Kanayama, SW. of Fukuoka city
" 16	13	22	40	1	4	—	—	13	24	27	+ 16	3.8	476	Upper Valley of river Kinu
" 19	2	46	55	3	22	—	—	2	57	14	-173	9.8	1994	Off the Bay of Suoo, eastern coast of Formosa
" 27	1	53	10	1	10	—	—	1	54	37	+ 10	3.1	519	In the sea of Kasima
" 28	18	53	38	2	0	—	—	18	56	44	-600	10.0	890	South off the cape of Frimo
IX 2	11	18	44	4	20	—	—	11	29	15	+ 43	10.0	2695	Near Philippine Islands
" 2	20	16	24	0	13	—	—	20	17	4	- 18	2.8	99	Bay of Tanabe, Wakayama
" 8	8	36	2	1	5	—	—	8	37	53	- 23	4.1	485	W. off Hatijo Island
" 8	17	12	23	0	56	—	—	17	14	23	+ 17	3.4	416	NE. off Hatijo Island
" 17	16	10	0	0	40	—	—	16	10	54	- 8	4.1	300	Near Mt. Asama
" 19	18	10	56	0	45	—	—	18	12	6	+ 11	2.7	336	Near Mt. Daiganzan, Kanagawa prefecture
" 20	1	24	5	0	40	—	—	1	25	15	- 5	4.1	298	NE. off Hatijo Island
" 20	4	11	37	1	15	—	—	4	13	50	- 40	3.0	559	North off Yaku Island, Ryukyu
" 20	14	37	40	0	12	—	—	14	38	3	+ 4	1.1	85	In the sea of Kumano
" 21	7	23	23	0	4	—	—	7	23	27	+ 15	1.2	29	Upper Valley of river Gogawa Hiroshima prefecture
" 28	14	59	36	2	40	—	—	15	3	16	- 15	3.0	1530	SSE. off Otisi cape
" 30	15	59	31	0	40	—	—	16	0	36	- 8	2.0	298	Western part of Iyo sea
X 2	19	16	51	0	8	—	—	19	17	31	+ 7	1.7	57	In the Kii channel
" 5	17	5	19	3	41	—	—	—	—	—	—	—	2214	Near Kamchatka
" 5	19	3	48	2	22	—	—	19	7	12	- 41	3.1	1336	South off Otisi cape, Hokkaido
" 6	8	1	55	8	28	—	—	8	10	26	- 75	10.7	6980	Near Hawaii

時刻

本表ノ時刻ハ緯度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スガ如シ

大阪地震累年報

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for the several years in succession.



International
Seismological
Centre

月 Date	日	發震時			第一初期		第二初期		最大動出現			振幅 Amplitude μ	振動期 Period s.	距離 Δ K.M.	震央 Epicenter 地
		h.	m.	s.	m.	s.	m.	s.	h.	m.	s.				
X	8	17	27	36	10	6	—	—	17	37	48	+ 30	7.7	8910	Distant earthquake
"	14	8	23	46	0	48	—	—	8	30	6	+ 6	3.3	356	SW. off Ilatijo Island
"	16	20	37	23	5	4	3	3	20	50	14	- 58	10.2	3230	Burma
"	19	10	32	51	—	—	—	—	—	—	—	—	—	—	Chile, South America
"	23	17	49	40	1	8	—	—	17	51	26	- 8	3.0	508	Off the cape of Inubo
"	24	6	33	39	3	13	—	—	6	43	11	- 13	3.8	1892	Off Taitoo, Formosa
"	24	7	8	3	0	30	—	—	7	8	56	+ 6	2.7	220	Central Honsyu
"	24	18	53	31	1	15	—	—	19	0	40	+ 39	3.1	553	Near Mt. Unzen, Kyusyu
"	26	21	27	32	0	7	—	—	21	23	24	- 18	3.0	48	In the Kii channel
"	29	20	33	42	0	9	—	—	20	34	19	+ 9	1.0	67	"
XI	2	1	36	49	3	33	—	—	1	42	29	+ 9	3.0	2114	Near Babuyan Island, North off Luzon
"	5	11	43	44	4	47	—	—	11	49	46	- 25	5.8	3048	Philippine Islands
"	5	23	33	5	1	0	—	—	23	34	25	+ 20	2.4	447	Near Ilatijo Island
"	6	11	8	50	1	17	—	—	11	10	26	+ 3	2.3	573	Off the cape of Inubo
"	13	1	31	14	1	28	—	—	1	33	15	+ 90	3.4	650	South off Ilatijo Island
"	15	18	56	18	4	52	—	—	19	3	57	- 31	5.6	3119	Caroline Island
"	17	3	49	30	5	39	2	17	3	58	31	+ 720	22.5	3855	Upper Agusan Valley, E. off mindanao
"	18	5	50	30	5	35	—	—	5	59	46	+ 53	19.5	3786	Mindanao Island
"	18	20	57	53	11	35	9	37	21	32	25	- 75	25.5	10860	Near New four dland
"	19	16	32	34	0	58	—	—	16	33	40	+ 7	1.8	427	Middle basin of the Edogawa
"	19	22	35	25	0	47	—	—	22	37	38	- 4	2.0	351	Near Miyake Island
"	20	5	54	43	0	9	—	—	5	56	20	+ 394	2.0	68	Lower basin of the river Arita
"	23	0	9	11	6	8	—	—	0	16	40	- 17	3.9	4371	New Guinea
"	26	13	10	5	0	53	—	—	13	11	21	- 27	3.0	389	Upper basin of the Kinugawa
XII	6	4	16	53	1	14	—	—	4	18	20	+ 35	2.7	554	Off Kujukuri shore
"	9	6	57	55	7	40	6	55	7	19	45	+ 200	18.9	6072	Near Sumatra
"	13	9	44	47	1	49	—	—	9	43	4	+ 8	3.6	1006	West off Naze, Ryukyu
"	13	13	43	48	1	27	—	—	13	45	22	- 8	3.1	660	North off Bonin Island
"	17	11	5	3	5	19	—	—	11	16	57	- 2625	18.7	3525	Alentian Islands
"	17	12	18	32	5	16	—	—	12	28	4	+ 211	24.8	3485	"
"	25	20	42	43	0	37	—	—	20	43	20	+ 10	2.7	273	—
"	27	13	39	20	3	27	—	—	—	—	—	—	—	2034	In the south sea
"	31	1	9	21	3	52	—	—	1	14	40	- 38	18.3	2336	"
"	31	4	47	53	3	44	—	—	4	53	43	- 8	4.1	2236	"

時刻

本表ノ時刻ハ観測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ハ二日ノ二十三時ハ三日ノ八時トナルカ如シ