

## 大阪地震累年報

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

月 日 Date	發 震 時 P. h. m. s.	第一初期 P-S or P-L m. s.	第二初期 S-L m. s.	振 幅 Ampli- tude $\mu$	振動期 Period s.	距 離 Distance K.M.	震 央 Epicenter	地
VII 24	10 50 11	—	—	60	—	—	In the sea of Kasima	
" 25	1 37 8	0 50	—	—	—	371	Near Tokyo	
VIII 4	6 26 6	1 00	—	40	—	445	ditto	
" 4	12 49 59	1 07	—	60	1.9	497	Northern part of Simoosa	
" 6	20 26 48	1 00	—	25	—	445	Off the Bay of Rikuzen	
" 11	4 6 39	0 50	—	25	—	371	Near Tokyo	
" 15	13 32 18	0 55	—	—	—	408	Off the Bay of Rikuzen	
" 22	13 3 15	2 50	—	35	—	1640	SE off the coast of Nemuro	
" 22	19 48 25	1 00	—	35	—	445	Near Tokyo	
" 24	21 1 32	0 56	0 33	3250	12.0	416	S off the Yaku Island	
" 27	22 5 18	6 58	6 17	140	—	5295	A distant earthquake	
" 29	5 39 25	—	—	40	—	—	Kameoka-eyo, Tanba province	
" 30	8 6 58	—	—	—	—	—	Near Osaka	
" 30	11 59 17	—	—	165	—	—	A distant earthquake	
IX 7	4 54 23	3 10	—	15	—	1850	Taieyu, Formosa	
" 8	2 39 45	2 39	2 46	60	—	1520	A distant earthquake	
" 11	5 52 2	1 55	3 5	125	—	853	ditto	
" 15	6 40 18	0 44	—	25	—	327	Near Tokyo	
" 21	5 52 1	0 35	—	85	2.3	260	Iyo-nada	
" 26	13 5 57	0 55	—	25	—	408	Near Kagosima	
" 30	16 16 50	0 40	—	15	—	297	Near Tokyo	
X 1	10 20 10	4 10	—	25	—	2560	A distant earthquake	
" 2	21 47 7	1 30	—	415	—	668	Iwaki-nada	
" 3	3 15 27	4 5	6 39	35	—	2500	A distant earthquake	
" 7	2 11 39	—	—	25	—	—	Kumano-nada	
" 8	18 44 15	1 25	—	40	—	631	Iwaki-nada	
" 16	7 36 46	0 50	—	15	—	371	Off the cape of Kinkwazan	
" 21	3 30 34	1 10	—	—	—	519	Northern part of Honsyu	
" 24	15 29 21	0 45	—	25	—	334	Iwaki-nada	
" 26	21 25 45	0 40	—	—	—	297	Off the coast of Simoosa	
" 27	22 9 54	0 40	—	135	—	297	Far off the coast of Hidati	
" 28	15 59 19	0 26	—	25	—	193	Near Osaka	
XI 6	4 20 5	0 30	—	200	9.6	223	In the strait of Formosa	
" 13	0 47 29	—	—	65	—	—	Off Boso peninsula	
XII 11	8 52 29	3 50	3 32	15	—	2320	A distant earthquake	
" 17	0 41 26	1 00	—	25	—	445	Off the coast of Simoosa	
" 17	7 4 46	0 50	—	50	—	371	Off the coast of Mutu	
" 27	22 48 36	1 30	—	210	—	668	Northern part of Honsyu	
明治三十八年 (1905)								
I 2	13 58 57	4 07	—	10	6.5	2525	Formosa	
" 13	13 27 49	0 40	—	45	5.1	297	—	
" 22	2 50 53	0 40	0 50	375	19.2	297	—	
" 27	12 58 31	1 00	—	60	5.5	445	—	
II 4	18 41 31	0 10	—	440	1.5	74	Neighbourhood of the lake Biwako	

時刻

本表ノ時刻ハ録録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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地	月 日 Date	發 震 時			第一初期		第二初期		振 幅 Ampli- tude $\mu$	振 動 期 Period s.	距 離 $\Delta$ K.M.	震 央 Epicenter
		h.	m.	s.	P-S or P-L m. s.	S-L m. s.						
	Ⅱ 13	5	32	49	7	30	7	50	50	17.6	5880	A distant earthquake
	" 14	8	53	52	3	35	3	50	550	18.2	2135	ditto
	" 15	4	4	37	3	10	—	—	25	5.0	1850	ditto
	" 17	11	50	18	5	5	5	10	265	11.7	3310	ditto
	" 19	4	47	31	1	15	—	—	35	5.4	557	—
	" 28	14	00	00	0	15	—	—	25	0.6	111	Bay of Wakasa
	Ⅲ 4	16	17	26	1	30	—	—	25	4.0	668	—
	" 4	23	24	56	11	00	—	—	85	16.5	10040	A distant earthquake
	" 8	18	37	00	1	50	—	—	10	3.5	816	Kasima-nada
	" 9	12	00	11	1	48	—	—	20	4.8	801	Off the cape of Kinkwazan
	" 16	14	54	00	0	50	—	—	20	3.9	371	In Bungo channel
	" 17	19	40	27	0	35	—	—	45	5.0	260	Bay of Toyama
	" 19	0	6	50	9	00	—	—	175	13.7	7600	In south sea
	" 21	16	22	35	1	30	—	—	25	5.0	668	—
	" 22	3	45	40	2	0	3	30	225	17.1	890	A distant earthquake
	" 24	8	54	33	3	20	—	—	30	5.0	1970	ditto
	" 30	17	15	10	1	20	1	15	15	5.0	594	ditto
	Ⅳ 4	0	58	51	7	0	8	26	5750	27.5	5320	North western part of India
	" 6	12	30	24	0	50	—	—	10	2.0	371	Eastern part of Musasi province
	" 10	12	11	12	4	20	—	—	15	5.0	2690	Off the coast of Taito, Formosa
	" 19	12	43	15	10	20	—	—	25	8.2	9190	A distant earthquake
	" 23	20	15	00	—	—	—	—	10	1.5	—	Southern part of Musasi province
	" 24	8	11	55	5	20	—	—	25	15.0	3545	A distant earthquake
	" 28	6	34	43	0	50	—	—	25	5.0	371	Southern part of Kyusyu
	Ⅴ 8	17	55	30	1	15	—	—	25	3.0	557	Far off the coast of Hidati
	" 11	17	12	54	4	10	—	—	215	5.0	2560	A distant earthquake
	" 15	18	44	26	0	35	—	—	20	1.0	260	Near districts of Kinki
	" 18	13	55	20	6	20	—	—	85	7.0	4590	A distant earthquake
	" 18	19	13	5	0	55	—	—	10	4.2	408	Southern part of Kyusyu
	" 20	7	30	27	0	45	—	—	75	2.0	334	Near Tokyo
	" 21	4	19	48	3	15	—	—	25	10.0	1910	A distant earthquake
	" 24	11	31	50	1	05	—	—	10	2.6	482	E coast of Hoasyu
	" 24	15	42	6	0	50	—	—	15	2.0	371	Near districts of Kinai
	Ⅵ 2	5	40	21	0	38	—	—	7500	4.7	282	In the sea of Geiyo
	" 2	10	57	7	0	20	0	20	130	1.5	297	Central sea of Inland sea
	" 3	0	19	47	0	40	—	—	10	2.3	297	ditto
	" 3	0	35	27	0	40	—	—	50	2.0	297	ditto
	" 3	10	38	37	0	23	0	22	75	1.5	334	ditto
	" 3	13	50	57	0	35	—	—	20	2.3	260	ditto
	" 4	23	45	38	0	55	—	—	10	0.6	408	Near Osima, Izu
	" 5	15	42	13	0	50	—	—	5	5.0	371	ditto
	" 5	15	44	43	0	45	—	—	25	6.0	334	ditto
	" 5	16	51	54	1	00	—	—	15	6.0	445	ditto
	" 5	17	5	54	0	45	—	—	—	—	334	ditto
	" 5	17	23	54	1	00	—	—	25	5.0	445	ditto

## 時刻

本表ノ時刻ハ録成時ヲ用ヒタルノ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ガ如シ

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月 日 Date	發 震 時 h. m. s.	第一初期 P-S or P-L m. s.	第二初期 S-L m. s.	振 幅 Ampli- tude $\mu$	振動期 Period s.	距 離 K.M.	震 央 Epicenter	地
VI 5	20 18 35	0 30	—	25	6.0	223	Near Osima, Izu	
" 6	2 29 6	4 50	—	30	10.0	2825	A distant earthquake	
" 6	3 42 6	4 30	—	5	6.0	2825	ditto	
" 6	11 31 51	0 40	—	—	—	297	Central of Inland sea	
" 7	5 40 18	0 50	—	325	4.8	371	Near Osima, Izu	
" 7	6 29 38	0 50	—	5	4.6	371	"	
" 7	6 42 43	0 50	—	20	4.6	371	"	
" 7	7 12 13	0 50	—	5	4.6	371	"	
" 7	13 5 48	0 45	—	5	1.6	334	"	
" 9	12 39 28	9 10	—	25	10.0	7800	A distant earthquake	
" 10	6 9 59	—	—	25	1.0	—	Near Osima, Izu	
" 10	6 19 34	3 30	—	15	4.8	2080	A distant earthquake	
" 12	5 36 36	0 55	—	20	6.0	408	Near Osima, Izu	
" 12	8 18 21	1 10	—	75	4.0	519	Iwaki-nada	
" 19	13 20 33	0 45	—	15	4.6	334	Western sea of Inland sea	
" 20	4 6 14	1 05	—	20	5.0	482	"	
" 20	5 59 9	3 10	—	20	4.8	1850	A distant earthquake	
" 21	9 45 21	0 10	—	20	1.2	74	Northern part of Mino province	
" 23	14 27 5	0 45	—	10	4.8	334	Near Amami-Osima	
" 26	16 13 12	1 40	—	50	2.4	742	Central part of Rikutyu	
" 30	16 50 55	0 40	—	5	1.0	297	Off the coast of Misima, Nagato province	
" 30	17 18 00	1 20	7 0	25	13.2	594	A distant earthquake	
VII 1	22 47 57	0 40	—	10	2.1	297	Central part of Inland sea	
" 2	23 51 37	3 00	—	40	5.2	1745	—	
" 6	16 23 5	1 50	—	5000	27.6	816	Far off the coast of Iwaki	
" 6	22 20 32	1 50	1 20	35	2.2	816	"	
" 8	22 14 34	1 06	—	75	4.6	490	Iwaki-nada	
" 9	9 47 33	1 12	4 8	175	25.7	534	Mariana Island	
" 10	21 20 13	1 20	—	110	2.4	594	Off the coast of Awa	
" 11	8 47 6	4 40	4 20	140	14.4	2960	A distant earthquake	
" 11	15 40 31	2 30	—	250	4.0	1430	Far off the coast of Iwaki	
" 14	9 16 44	7 15	—	50	12.9	5600	A distant earthquake	
" 16	18 57 17	20 16	—	10	13.8	—	"	
" 23	2 53 0	2 12	3 18	7500	25.0	979	In the south sea	
" 23	8 26 55	0 45	—	95	2.5	334	Near Yasutuka-eyo, Higasikubiki-gun, Etigo	
" 23	9 28 35	0 45	—	50	2.4	334	"	
" 23	21 13 26	1 10	—	10	9.2	519	Off the cape of Kinkwazan	
" 25	6 5 10	2 25	—	30	4.0	1375	—	
" 27	22 31 57	1 10	—	30	4.4	519	—	
VIII 3	18 43 3	1 50	—	10	4.8	816	Iwaki-nada	
" 3	23 51 58	3 02	—	50	2.5	1770	—	
" 5	5 28 53	0 35	—	40	3.5	260	South eastern part of Hida	
" 11	3 20 40	1 35	—	50	4.6	705	Iwaki-nada	
" 15	8 12 23	1 55	—	10	8.8	853	Iwaki-nada	
" 24	9 11 7	0 24	—	30	—	178	Hagiwara-eyo, Masuda-gun, Hida province	

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	h.	m.	s.	m.	s.	m.	s.				
Ⅲ 25	9	48	55	1	41	—	—	225	2.3	749	Far off the coast of Kikutyu
" 26	8	15	54	0	12	0	7	475	1.5	89	Off the cape of Muroto, Tosa province
Ⅳ 1	2	48	11	1	8	0	53	125	4.2	505	Mutu-nada
" 6	8	10	49	—	—	—	—	25	—	—	Near Osaka
" 8	1	56	31	10	15	11	10	200	16.2	9090	Southern part of Italy
" 9	6	1	8	0	12	—	—	10	1.0	89	Near Osaka
" 12	3	52	55	0	41	—	—	75	1.5	304	Central part of Inland sea
" 14	19	48	42	5	11	—	—	10	13.8	3405	In the south sea
" 15	6	9	3	2	57	2	23	2500	30.0	1710	"
" 21	13	1	32	0	55	—	—	100	3.0	408	Near Tiba
" 22	22	0	58	0	32	—	—	10	2.4	238	Central part of Inland sea
" 23	2	18	59	0	47	—	—	10	—	349	Near Tokyo
" 26	1	36	10	20	15	—	—	30	—	—	A distant earthquake
" 29	1	19	33	0	21	—	—	135	4.7	156	Frontier of Mino and Etizen
" 29	11	45	1	1	05	—	—	40	4.3	482	Off the SW coast of Korea
" 29	12	0	7	1	01	—	—	265	24.0	453	Iwaki-nada
X 2	1	54	56	1	01	—	—	100	3.0	453	Off the coast of Hida
" 3	9	18	17	1	15	—	—	35	4.4	557	Frontier of Hida and Kaga
" 3	23	16	24	1	48	—	—	60	4.0	801	Off the cape of Siraia, Mutu province
" 10	1	54	35	1	17	—	—	100	3.5	571	Off the coast of Tyosi
" 10	4	49	55	1	16	—	—	15	—	564	"
" 10	5	10	1	1	17	—	—	25	2.8	571	"
" 10	5	30	33	—	—	—	—	10	—	—	"
" 10	5	38	20	—	—	—	—	10	—	—	"
" 10	6	23	21	1	17	—	—	10	—	571	"
" 15	16	52	34	0	04	—	—	15	3.7	—	South eastern part of Hida
" 16	11	41	24	10	29	—	—	10	—	9370	A distant earthquake
" 17	11	0	23	1	31	—	—	10	—	675	—
" 18	16	44	16	0	04	—	—	10	—	—	Central part of Mino
" 23	19	33	22	0	18	—	—	75	2.7	134	Eastern part of Inland sea
" 24	3	47	41	—	—	—	—	350	2.8	—	Far off the coast of Awa
" 25	14	14	19	1	17	—	—	10	3.0	571	North eastern part of Honsyu
" 25	21	2	35	1	00	—	—	10	3.0	445	"
Ⅴ 1	5	1	50	1	00	—	—	65	7.2	445	Iwaki-nada
" 2	2	22	33	0	46	—	—	25	2.3	341	Off the coast of Simoosa
" 6	17	4	44	3	38	3	22	60	14.4	2170	A distant earthquake
" 8	2	47	23	5	13	4	6	25	15.0	3435	"
" 8	22	29	6	11	15	10	10	75	19.3	10395	"
" 9	6	14	17	3	58	—	—	25	5.8	2410	A distant earthquake
" 9	10	20	26	0	40	—	—	25	3.4	297	Western part of Etigo
" 21	23	7	14	2	59	2	7	70	12.0	1730	E off the coast of Formosa
" 21	23	44	3	2	47	2	23	185	10.5	1610	"
" 22	22	31	1	1	17	0	40	45	11.0	571	—
" 23	6	32	49	3	23	—	—	45	9.2	2000	A distant earthquake
" 27	3	34	4	0	40	—	—	10	1.7	297	E coast of Honsyu

時刻 本表ノ時刻ハ線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ハ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.				
Ⅱ 28	16	40	4	3	57	—	—	50	5.3	2400	A distant earthquake
Ⅲ 1	21	33	30	0	46	0	26	185	3.3	534	Southern part of Hyuga-nada
" 3	4	47	28	0	31	0	24	25	2.4	408	Off the cape of Kinkwazan
" 4	7	16	21	25	21	—	—	40	25.0	—	A distant earthquake
" 4	8	37	44	4	06	—	—	10	5.5	2510	Near Formosa
" 4	14	55	4	1	25	—	—	35	7.5	631	—
" 8	3	9	57	0	38	—	—	750	5.8	282	Central part of Inland sea
" 8	4	25	47	0	38	—	—	810	5.1	282	Central part of Inland sea
" 10	12	43	51	2	30	10	45	60	21.6	1430	A distant earthquake
" 10	18	16	3	4	47	—	—	125	5.2	3055	"
" 17	9	30	23	0	46	—	—	20	1.0	341	Off the coast of Nagato
" 23	2	38	46	1	40	—	—	15	2.6	742	Off the coast of Rikutyu
" 26	3	12	31	1	01	—	—	95	2.2	453	Off the coast of Mito
" 27	3	51	22	—	—	—	—	10	1.5	—	Nisitukuma-gun, Sinano province
" 31	21	17	33	0	20	—	—	15	1.5	148	Sea of Ise
明治三十九年 (1906)											
Ⅰ 4	21	5	34	0	2	—	—	75	1.2	15	Bay of Osaka
" 5	9	0	55	0	3	—	—	65	1.0	22	"
" 6	21	37	44	1	25	—	—	30	5.7	631	—
" 7	11	51	47	0	2	—	—	215	1.7	15	Bay of Osaka
" 8	14	0	52	0	46	—	—	10	1.3	341	Sagami-nada
" 12	1	22	48	0	9	—	—	100	0.9	67	Kumano-nada
" 18	12	19	59	0	19	—	—	50	1.0	141	Northern part of Mino
" 21	13	50	28	—	—	—	—	2415	2.8	—	Off the coast of Kazusa
" 23	20	7	28	0	21	—	—	30	3.3	156	Off the coast of Iwami
" 27	9	51	4	3	36	3	58	2085	25.6	2150	A distant earthquake
" 28	14	39	28	1	16	—	—	75	11.0	564	Off the SE coast of Honsyu
" 28	22	1	19	0	15	—	—	20	2.7	—	Near Osaka
" 31	15	56	8	20	22	14	55	2585	27.5	—	Panama and south America
Ⅱ 1	14	43	9	1	7	—	—	120	5.7	497	—
" 4	6	25	11	1	13	—	—	110	2.5	542	Southern part of Sendai Bay
" 4	20	10	42	1	18	—	—	55	2.6	579	Off the Bay of Sendai
" 12	23	44	38	1	12	0	57	85	6.0	534	SE coast of Honsyu
" 16	21	42	28	0	52	0	31	60	2.8	386	Off the coast of Kazusa
" 19	2	9	4	7	5	6	31	400	21.8	5420	A distant earthquake
" 23	9	50	8	1	10	—	—	310	2.7	519	Off the coast of Awa
" 23	15	23	56	7	27	—	—	100	17.0	5830	A distant earthquake
" 24	0	15	16	0	30	0	18	760	2.5	356	Bay of Tokyo
" 27	15	9	41	0	14	—	—	25	1.0	104	Southern part of Ise
" 27	19	50	19	21	17	—	—	150	10.4	—	A distant earthquake
Ⅲ 2	6	22	52	14	8	—	—	60	8.5	—	"
" 5	16	38	39	1	33	—	—	265	2.6	690	Off the coast of Kazusa
" 7	2	17	14	1	30	—	—	50	5.0	668	Iwaki-nada
" 10	6	44	23	20	57	—	—	20	15.6	—	A distant earthquake

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ハ二日ノ二十三時ハ三日ノ八時トナルガ如シ