List of the Stronger Japan Earthquakes, 1902-1907.

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The total number of earthquakes, which originated in or about Japan during the last six years, 1902 to 1907, was 9,628, giving the average yearly frequency of 1,605, as follows.—

Year.	Number of eqkes.
1902	1,488
1903	1,349
1904	1,230
1905	1,963
1906	1,792
1907	1,806

Among these earthquakes which were mostly slight and local, there were 621*, which were extensive, and whose land area of motion, as observed with ordinary Gray-Ewing-Milne type seismographs, was over 1,000 square *ri* (1 *ri*=3.927 km). The annual frequency of these larger earthquakes varied between 76 and 132, as follows:—

* Including a few typical earthquakes of inland origin, whose area was between 500 and 1,000 sq. *ri*.

Monthly and Yearly Numbers of Larger Earthquakes.

Whole Japan. 1902—1907.

Year. / Month.	1902	1903	1904	1905	1906	1907	*Sum.*
January.	10	5	2	7	14	7	45
February.	13	11	2	14	8	5	53
March.	11	10	10	6	20	15	72
April.	4	5	9	7	14	12	51
May.	13	2	10	5	19	9	58
June.	5	4	9	29*	3	4	54
July.	8	10	13	14	7	8	60
August.	4	7	8	9	10	6	44
September.	8	8	6	13	5	8	48
October.	4	3	8	12	12	11	50
November.	7	5	6	5	10	9	42
December.	8	6	6	11	6	7	44
Sum.	95	76	89	132	128	101	621

The unusually large monthly number of 29 for June 1905 (marked with an *asterisk*) was due to the occurrence of the strong O-shima and Inland Sea earthquakes and their after-shocks. The average yearly seismic frequency is about 104, or at the rate of nearly twice per week.

The land area of sensible motion of the 621 earthquakes under consideration varied between about 100 sq. *ri* to over 20,000 sq. *ri*, the numbers of the shocks of different extension being as shown in the following table.

Numbers of Earthquakes of Different Land Areas of *Sensible Motion.*

Land area of sensible motion.	Number of earthquakes.	Land area of sensible motion.	Number of earthquakes
under 500 sq. *ri.*	58	7,501— 8,000 sq. *ri.*	6
501—1,000	112	8,001— 8,500	7
1,001—1,500	86	8,501— 9,000	4
1,501—2,000	82	9,001— 9,500	1
2,001—2,500	59	9,501—10,000	1
2,501—3,000	36	10,001—10,500	3
3,001—3,500	35	10,501—11,000	4
3,501—4,000	23	11,001—11,500	1
4,001—4,500	22	11,501—12,000	2
4,501—5,000	16	12,001—12,500	1
5,001—5,500	15	12,501—13,000	0
5,501—6,000	19	13,001—13,500	0
6,001—6,500	8	13,501—14,000	1
6,501—7,000	10	14,001—14,500	1
7,001—7,500	7	14,501—15,000	0
		⋮	⋮
		20,501—21,000	1

Confining our attention to those earthquakes, whose land area of *sensible* motion was over 500 sq. *ri*, we see from the above table that the areas of the majority of these are included between 501 and 6,000 sq. *ri*. Especially, the earthquakes of the area between 501 and 2,000 sq. *ri* were numerous, and their total number, namely, 280, is very nearly equal to that of all the

shocks of the area between 2,001 and 21,000 sq. *ri*, namely, 283. Very extensive disturbances happened of course not very frequently, and there were only 16 earthquakes, whose area of sensible motion was over 9,001 sq. *ri*.

Pl. XXII graphically illustrates the variation of the frequency of earthquakes of the different land areas of sensible motion. The mean curve seems to be approximately a logarithmic curve, becoming quickly asymptotic with the increase of the area.

The accompanying list, which has been compiled, with a few corrections, from the seismological notes in the successive monthly numbers of the "Kisho Yoran" (*Weather Review*) published by the Central Meteorological Observatory, gives for each of the 621 strong and moderate earthquakes under question, the following particulars :—

(1). Date.

(2). Approximate time of earthquake occurrence at the epicentre. The time used is that of longitude 135° E. of Greenwich, namely, the 1st Normal Japan Time.

(3). Approximate indication of the position of the earthquake origin.

(4), (5). Longer and shorter axes of the land area, within which the motion was intense enough to be recorded by the ordinary Gray-Ewing-Milne type seismographs, the seismic disturbance being *sensible* only in a portion of the region thus determined.

(6). Land area of disturbance of *strong* motion.

(7). „ „ „ „ „ *moderate* „

(8). „ „ „ „ „ *slight* „

(9). Total land area, within which the earthquake motion was *sensible* this being equivalent to the sum of (6), (7), and (8).

The length and area are expressed in *ri* and square *ri* respectively. These may be converted into kilometers and miles by the following relations :—

$$\begin{cases} 1\ ri = 3.93\ \text{km} = 2.44\ \text{miles.} \\ 1\ \text{sq.}\ ri = 15.42\ \text{sq. km} = 5.96\ \text{sq. miles.} \end{cases}$$

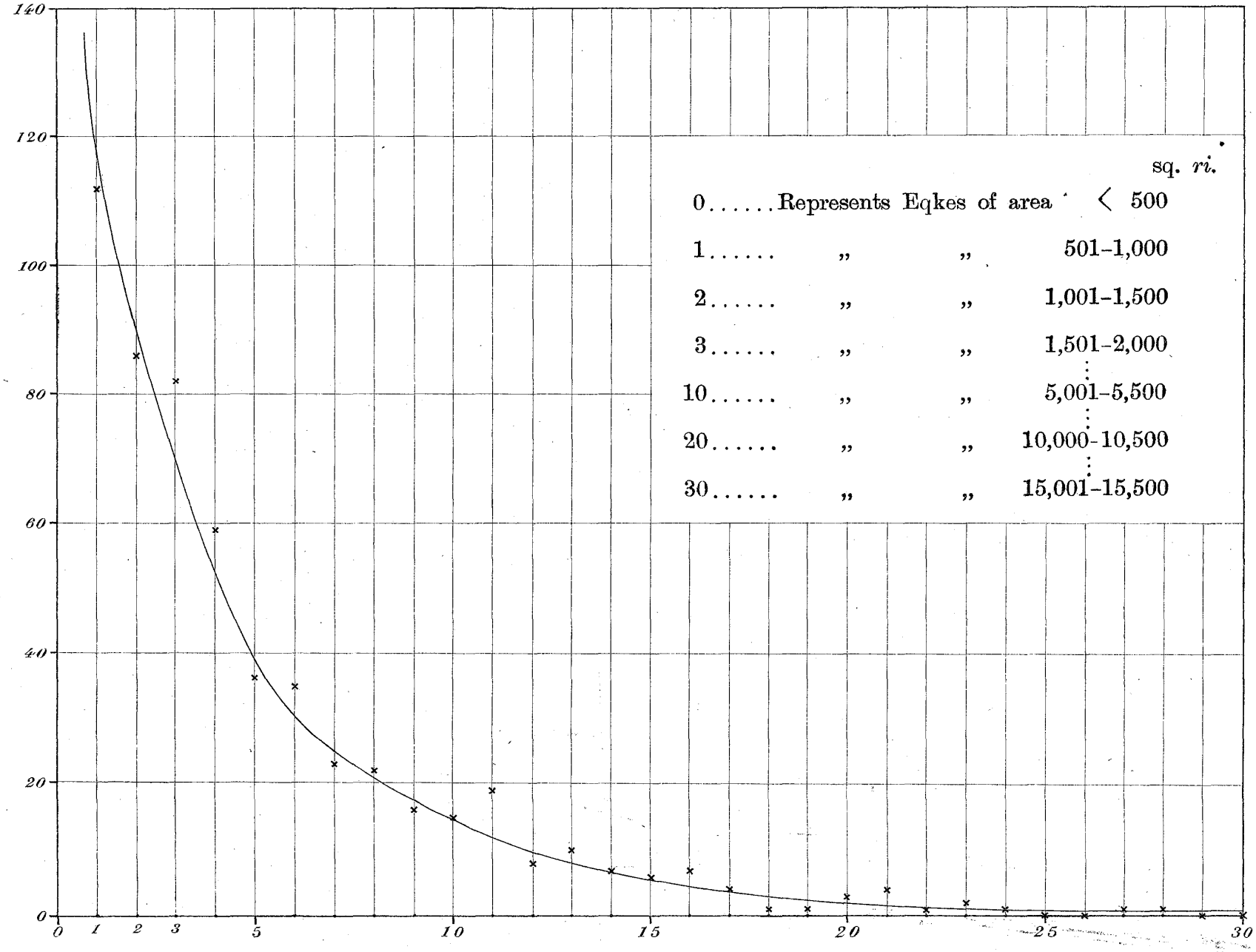
For the names and positions of the different provinces, the reader is referred to the key map of Japan given in the "Bulletin," Vol. I, Pl. XXVII.

The intensity of ordinary, or non-destructive, sensible motion is here indicated as "strong," "moderate," or "slight." A "slight" shock is one which is very feeble and just strong enough to be felt; a "moderate" shock is one whose motion is well pronounced, but not so severe as to cause general alarm; and, finally, a "strong" shock is one which is sufficiently intense to cause people to run out of doors, to throw down furnitures, to produce slight cracks of walls, etc.

621 STRONGER JAPAN EARTHQUAKES. **1902-1907.**

(1) Date.	(2) Time of occurrence.	(3) Origin of disturbance.	Total area of disturbance.		Area of sensible motion.			
			(4) Longer axis	(5) Shorter axis	(6) *Strong* motion	(7) *Moderate* motion	(8) *Slight* motion	(9) *Sum*
1902			*ri.*	*ri.*	sq. *ri*	sq. *ri*	sq. *ri*	sq. *ri*
Jan. 1	0h20m a.m.	Off the E. coast of Mutsu.	250	100	—	400	2,700	3,100
3	1 40 a.m.	Boundary between Kii and Yamato.	140	80	190	380	1,230	1,800
4	6 09 a.m.	Off the coast of Hitachi.	160	120	—	1,050	3,850	4,900
5	4 04 p.m.	Vicinity of Mito (Hitachi).	70	60	—	250	1,500	1,750
14	9 01 a.m.	S. part of Hida.	110	70	—	250	2,550	2,800
17	4 18 a.m.	Central part of Sagami.	100	50	70	230	1,500	1,800
18	4 38 a.m.	Off the E. coast of Mutsu.	250	150	200	1,900	4,850	6,950
29	11 25 p.m.	„ „ coast of Hitachi.	200	100	—	1,450	5,600	7,050
30	11 01 p.m.	„ „ E. coast of Mutsu. $\varphi = 39°09'\text{N}, \lambda = 143°31'\text{E}.$	350	250	2,000	5,400	6,300	13,700
31	10 42 a.m.	Off the coast of Mutsu. $\phi = 40°50'\text{N}, \lambda = 144°13'\text{E}.$	280	220	650	3,950	6,000	10,600

Frequencies of the Earthquakes whose Land Area of Sensible Motion was over 500 sq. *ri.*



(1) Date.	(2) Time of occurrence.	(3) Origin of disturbance.	Total area of disturbance.		Area of sensible motion.			
			(4) Longer axis	(5) Shorter axis	(6) *Strong* motion	(7) *Moderate* motion	(8) *Slight* motion	(9) *Sum*
1902			*ri*	*ri*	sq. *ri*	sq. *ri*	sq. *ri*	sq. *ri*
Feb. 2	2h52m a.m.	Off the coast of Rikuchū.	120	60	—	280	1,620	1,900
6	7 18 a.m.	City of Kumamoto (Higo.)	60	20	—	460	510	970
„	9 05 p.m.	„	70	60	—	750	1,150	1,900
7	10 01 p.m.	Off the E. coast of Mutsu.	180	100	—	270	3,670	3,940
8	0 31 p.m.	„ of Nemuro.	80	50	190	40	460	690
11	11 50 p.m.	Bay of Owari.	40	20	—	190	420	610
17	8 30 p.m.	Off the coast of Hitachi.	100	80	—	580	1,380	1,960
20	10 50 a.m.	Hachijō-jima.	190	150	—	650	6,550	7,200
21	0 35 a.m.	Off the E. coast of Mutsu.	260	170	370	2,960	7,400	10,730
„	8 29 a.m.	Do.	200	110	10	1,000	4,580	5,590
26	10 19 a.m.	Off the coast of Rikuchū.	190	130	—	770	2,660	3,430
27	0 01 p.m.	„ Hidaka.	130	80	—	220	2,330	2,550
„	11 18 p.m.	„ Iwaki.	140	60	60	620	2,560	3,240
28	5 41 p.m.	N. part of Ise.	40	30	—	300	980	1,280
March 1	1 33 p.m.	Off the coast of Rikuchū.	140	120	—	380	2,640	3,020
„	8 23 p.m.	N. part of Yamato.	70	50	90	330	1,330	1,750
3	9 13 a.m.	Vicinity of Sahara (Shimosa).	180	160	—	1,500	6,550	8,050
„	10 37 p.m.	Tsugaru Strait.	110	70	10	430	2,550	2,990
6	9 35 p.m.	Kii Channel.	50	30	90	190	650	930
10	2 35 p.m.	W. part of Hitachi.	150	120	—	2,000	3,970	5,970
12	10 48 a.m.	Uraga Channel.	70	60	—	190	1,500	1,690
20	10 59 a.m.	Tainan (Formosa).	500	200	50	200	2,250	2,500
„	11 19 a.m.	Do.	200	100	—	600	1,400	2,000
23	6 17 p.m.	Central part of Settsu.	90	60	70	1,550	1,590	3,210
25	2 35 p.m.	Vicinity of Sahara (Shimosa).	220	180	240	2,520	5,150	7,910
April 1	5 32 a.m.	E. part of Sagami.	100	40	—	240	2,290	2,530

(1) Date.	(2) Time of occurrence.	(3) Origin of disturbance.	Total area of disturbance.		Area of sensible motion.			
			(4) Longer axis	(5) Shorter axis	(6) *Strong* motion	(7) *Moderate* motion	(8) *Slight* motion	(9) *Sum.*
1902			*ri*	*ri*	sq. *ri*	sq. *ri*	sq. *ri*	sq. *ri*
April. 5	7h23m p.m.	Bay of Tōkyō. φ=35° 26′ N, λ=139° 45′ E	130	100	—	2,050	3,580	5,630
6	2 13 a.m.	Bay of Tōkyō. φ=35° 31′ N, λ=139° 49′ E	70	60	—	870	1,130	2,000
19	9 17 a.m.	N part of Mino.	70	50	30	270	1,450	1,750
May 2	8 31 p.m.	Off the coast of Rikuchu.	250	200	—	1,360	2,750	4,110
5	7 05 a.m.	Karita-county, Iwaki.	60	40	10	240	800	1,050
6	8 33 a.m.	Off the E. coast of Kii.	100	40	—	320	1,760	2,080
8	11 19 a.m.	Vicinity of Tanega-shima.	200	100	740	1,170	2,710	4,620
15	7 38 a.m.	Vicinity of Kasumiga-ura.	40	30	70	210	870	1,150
16	9 39 a.m.	Koshi-county, Echigo.	90	60	—	430	2,620	3,050
17	1 18 p.m.	Off the coast of Hitachi.	90	70	—	360	1,320	1,680
24	5 03 a.m.	S. part of Ise.	60	50	40	530	870	1,440
„	11 30 p.m.	N. part of Ise.	100	80	90	1,570	2,350	4,010
25	8 29 p.m.	Minamitsuru county, Kai.	160	130	390	1,620	3,810	5,820
„	9 07 p.m.	Do.	120	80	110	790	3,420	4,320
„	10 15 p.m.	Do.	70	50	70	370	1,610	2,050
28	6 02 p.m.	S. part of Kushiro.	350	200	430	1,560	5,650	7,640
June 2	9 28 p.m.	Off the S. coast of Kii.	120	80	200	900	1,500	2,660
13	9 22 a.m.	Off the S. coast of Kushiro.	300	200	300	1,500	6,100	7,900
20	5 49 p.m.	Sano (Shimotsuke).	180	150	470	1,660	6,170	8,300
23	7 42 a.m.	Bay of Tokyō. φ=35° 26′N, λ=139° 50′E	190	160	450	1,830	5,220	7,500
29	2 29 a.m.	Off the coast of Rikuchu.	200	150	—	840	2,820	3,660
July 1	2 01 a.m.	N. part of Sagami.	100	80	—	540	2,800	3,340
„	5 19 p.m.	Off the coast of Rikuchu.	260	180	—	1,080	3,840	4,920
8	11 05 p.m.	„ E. coast of Mutsu.	300	200	160	1,840	6 000	8,000

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1902			*ri*	*ri*	sq. *ri*	sq. *ri*	sq. *ri*	sq. *ri*
July 9	2h42m a.m.	Off the coast of Amakusa (Higo).	50	40	—	470	900	1,370
10	7 57 p.m.	„ Mutsu	250	150	—	1,400	4,350	5,750
11	8 57 a.m.	„ Izu.	130	80	—	260	2,190	2,450
„	10 03 a.m.	„ NE coast of Nemuro.	300	150	—	200	3,200	3,400
26	7 51 a.m.	„ E coast of Awa peninsula.	180	100	—	380	3,170	3,550
Aug. 7	0 36 p.m.	Bay of Tokyo.	160	70	—	720	3,550	4,270
„	6 22 p.m.	Off the coast. of Mutsu.	250	150	—	280	5,320	5,600
8	8 37 a.m.	Sahara (Shimosa).	200	120	60	480	3,890	4,430
19	8 43 p.m.	Off the coast of Hidaka.	130	80	—	290	1,570	1,860
Sept. 3	11 55 a.m.	Off Kinkazan (Rikuzen).	150	100	10	600	2,790	3,400
4	10 57 p.m.	Off the coast of Awa (Shikoku).	80	60	130	830	920	1,880
16	3 19 a.m.	Nakano (Sagami).	70	40	—	100	1,550	1,650
17	6 23 p.m.	Sea of Iyo.	60	30	—	150	1,180	1,330
22	5 43 a.m.	Off Kinkazan (Rikuzen).	180	100	170	1,130	3,400	4,700
23	11 30 p.m.	Sea of Aki.	60	50	210	740	1,240	2,190
26	11 51 a.m.	Hachiman (Mino).	60	40	—	280	1,120	1,400
28	8 18 p.m.	Off the coast of Tokachi.	250	100	—	200	1,850	2,050
Oct. 5	4 24 p.m.	Bay of Iburi.	170	90	—	1,200	3,900	5,100
12	10 24 a.m.	Bay of Tōkyō.	70	40	—	430	1,200	1,630
16	1 57 a.m.	Off the coast of Hitachi.	100	70	—	650	1,950	2,600
25	9 33 a.m.	„ Iwaki.	100	80	—	980	1,380	2,360
Nov. 5	5 49 p.m.	Vicinity of Tsukuba-San (Hitachi).	50	40	—	120	930	1,050
6	11 17 a.m.	Vicinity of Etrup Island.	300	200	—	100	1,770	1,870

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1902			*ri*	*ri*	sq. *ri*	sq. *ri*	sq. *ri*	sq. *ri*
Nov. 7	3h58m p.m.	Off the coast of Iwaki.	70	60	—	340	1,380	1,720
13	4 31 a.m.	Kanayama (Mino).	50	30	—	280	1,070	1,350
„	8 15 a.m.	Off Chōshi (Shimosa).	80	70	—	20	1,330	1,350
20	8 35 a.m.	Off the coast of Iwaki.	120	90	260	990	2,550	3,800
21	4 03 p.m.	Vicinity of Kōshun (Formosa).	200	100	200	800	1,300	2,300
Dec. 6	6 12 a.m.	Tainan (Formosa).	120	60	—	750	750	1,500
„	0 47 p.m.	Off the coast of Iwaki.	100	90	—	480	2,040	2,520
„	3 59 p.m.	Do.	90	70	—	150	1,170	1,320
9	1 53 a.m.	Sugito (Musashi)	80	40	60	900	1,340	2,300
11	5 06 a.m.	Vicinity of Yaku-shima.	150	100	30	780	790	1,600
14	1 57 p.m.	Mizukaido (Shimosa).	170	100	200	2,200	4,790	7,190
17	9 49 a.m.	Off the coast of Iwaki.	100	80	120	230	2,000	2,350
31	2 38 p.m.	Mizukaido (Shimosa). φ=35° 59′N, λ=139° 55′E	250	120	360	2,450	5,980	8,790
1903								
Jan. 2	5 27 p.m.	Off the coast of Iyo.	120	60	220	1,060	2,780	4,060
5	8 44 a.m.	Shimosa.	70	30	—	210	1,190	1,400
18	9 13 p.m.	Off the coast of Hidaka.	220	130	70	990	2,960	4,020
30	1 44 p.m.	Do.	140	90	—	450	3,300	3,750
31	1 47 a.m.	Off the SE. coast of Awa Peninsula.	250	180	—	300	8,200	8,500
Feb. 3	2 55 a.m.	Off the SE. coast of Nemuro.	250	100	—	150	1,370	1,520
„	4 59 a.m.	Vicinity of Saruhashi (Kai).	100	40	10	760	2,060	2,830
„	9 14 p.m.	Some distance off the coast of Iwaki.	350	200	100	2,450	9,350	11,900
8	4 45 a.m.	Off the coast of Sendai.	180	90	130	810	5,160	6,100
13	0 45 p.m.	„ Hitachi.	90	60	30	440	1,480	1,950
14	4 48 p.m.	„ Iwaki.	130	60	70	680	1,960	2,710

(1) Date	(2) Time of occurrence	(3) Origin of disturbance.	Total area of disturbance. (4) Longer axis	(5) Shorter axis	Area of sensible motion. (6) *Strong* motion	(7) *Moderate* motion	(8) *Slight* motion	(9) *Sum*
1903			*ri*	*ri*	sq. *ri*	sq. *ri*	sq. *ri*	sq. *ri*
Feb. 18	11h36m a.m.	Off the coast of Iwaki.	90	60	—	200	1,950	2,150
20	7 30 p.m.	„ Mutsu.	130	90	—	290	1,030	1,320
23	11 44 p.m.	Vicinity of Ashio (Shimotsuke)	70	50	—	300	2,270	2,570
26	0 19 a.m.	Off the coast of Iwaki.	150	80	—	800	2,770	3,570
28	7 07 p.m.	„ Higo.	80	60	9	1,240	1,440	2,770
March 12	5 35 a.m.	Vicinity of Sekiyado (Shimosa).	90	40	—	380	2,010	2,390
„	9 11 p.m.	Bungo Strait.	120	90	60	940	2,710	3,710
13	1 11 p.m.	Vicinity of Tochigi (Shimotsuke).	50	30	—	190	1,990	2,180
„	3 04 p.m.	Vicinity of Kanagawa (Musashi).	110	50	—	300	2,630	2,930
21	7 36 p.m.	Off the coast of Suō.	270	150	1,210	4,610	6,640	12,460
„	11 57 p m.	Do.	80	50	—	430	2,070	2,500
22	6 12 a m.	Do.	90	50	—	450	2,270	2,720
26	0 59 a.m.	„ Awa peninsula.	130	60	—	190	1,730	1,920
„	8 21 a.m.	„ Rikuzen.	180	120	—	110	5,860	5,970
31	11 01 a.m.	Do.	200	100	—	450	4,320	4,770
April 1	11 09 p.m.	Do.	200	80	—	1,220	4,430	5,650
17	4 08 a.m.	„ E. coast of Nemuro.	120	60	230	450	680	1,360
19	7 48 p.m.	„ coast of Kazusa.	110	70	—	510	1,310	1,820
21	8 50 p.m.	Saruhashi (Kai).	90	40	10	450	2,050	2,510
22	5 02 a.m.	Boundary between Shimosa and Shimotsuke.	120	50	140	1,200	2,200	3,540
May 6	8 52 a.m.	Do.	80	40	—	230	1,440	1,670
10	3 19 a.m.	Off the coast of Iwaki.	170	110	270	1,400	2,880	4,550
June 2	7 59 p.m.	„ E. coast of Mutsu.	150	90	—	430	1,110	1,540

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			(4) Longer axis	(5) Shorter axis	(6) *Strong* motion	(7) *Moderate* motion	(8) *Slight* motion	(9) *Sum*
1903			*ri*	*ri*	sq. *ri*	sq. *ri*	sq. *ri*	sq. *ri*
June 3	0h28m p.m.	Vicinity of Hachijo-jima.	180	100	20	270	2,530	2,820
7	8 38 a.m.	Bounday between Shimosa and Shimotsuke.	50	30	—	290	730	1,020
„	6 07 p.m.	Giran (Formosa).	350	?	850	1,400	150	2,400
July 1	9 10 a.m.	Off the coast of Hitachi.	300	180	660	3,270	6,630	10,560
3	2 20 a.m.	„ Hyuga.	70	60	—	300	850	1,150
6	3 19 a.m.	W. part of Hitachi.	80	60	—	680	1,710	2,390
„	1 59 p.m.	Sea of Ise.	220	120	500	3,050	5,360	8,910
9	3 00 p.m.	N. part of Sagami.	90	50	40	390	2,660	3,090
12	1 56 p.m.	Tainan (Formosa).	100	70	—	500	1,800	2,300
15	4 51 a.m.	Sano (Shimotsuke).	70	40	—	230	2,430	2,660
16	9 24 p.m.	Off the coast of Hyuga.	120	100	—	900	1,960	2,860
17	10 50 a.m.	Central part of Kii.	100	60	130	400	1,070	1,600
21	2 06 p.m.	Tochigi (Shimotsuke).	70	40	—	390	1,510	1,900
Aug. 10	1 40 p.m.	Hirayu, Yoshiki county, Hida.	100	50	40	530	3,300	3,870
„	1 46 p.m.	Do.	90	50	30	300	2,940	3,270
14	0 47 a.m.	Off the coast of Nemuro.	400	200	170	810	2,690	3,670
„	1 08 a.m.	Do.	400	100	—	290	1,480	1,770
„	10 16 a.m.	Do.	350	100	—	350	2,300	2,650
23	9 33 p.m.	Uraga Channel.	150	80	—	240	2,240	2,480
31	1 24 p.m.	Off the coast of Iwaki.	130	70	30	290	2,020	2,340
Sept. 3	1 26 a.m.	„ Rikuzen.	120	60	—	470	1,790	2,260
5	2 38 a.m.	Central part of Rikuchu.	60	30	—	380	630	1,010
7	4 14 p.m.	Off the coast of Taito (Formosa).	120	70	—	300	1,700	2,000
10	1 26 p.m.	„ Formosa.	80	50	—	480	610	1,090

(1) Date.	(2) Time of occurrence.	(3) Origin of disturbance.	Total area of disturbance.		Area of sensible motion.			
			(4) Longer axis	(5) Shorter axis	(6) *Strong* motion	(7) *Moderate* motion	(8) *Slight* motion	(9) *Sum*
1903			*ri*	*ri*	sq. *ri*	sq. *ri*	sq. *ri*	sq. *ri*
Sept. 10	5h45m p.m.	Taito (Formosa).	80	70	100	400	1,700	2,200
18	7 44 p.m.	Off the coast of Hidaka.	230	140	20	920	4,410	5,350
20	9 12 p.m.	„ Iwaki.	130	90	—	360	3,320	3,680
21	7 33 p.m.	„ Rikuchu.	100	60	—	230	840	1,070
Oct. 11	1 41 a.m.	„ Hyuga.	140	100	470	1,160	1,660	3,290
12	9 51 p.m.	„ Hidaka.	120	70	—	220	1,900	2,120
27	9 57 p.m.	Tokyo Bay.	160	90	330	2,550	3,060	5,940
Nov. 1	6 35 a.m.	Taichu (Formosa).	70	50	—	150	970	1,120
6	7 04 p.m.	Off Yokosuka in Tokyo Bay.	80	50	—	70	1,150	1,220
10	5 51 p.m.	Tokyo Bay.	160	90	170	1,710	3,200	5,080
20	4 17 p.m.	Off the coast of Iwaki.	190	140	920	2,490	4,250	7,660
29	7 11 p.m.	Do.	80	50	50	340	1,180	1,570
Dec. 1	11 21 p.m.	Taichu (Formosa).	100	60	—	200	2,080	2,280
3	5 52 p.m.	Off the coast of Osumi.	130	90	100	750	930	1,780
9	8 55 a.m.	N. part of Shimosa.	35	30	—	140	1,150	1,290
18	11 20 a.m.	Off the coast of Hitachi.	200	120	890	2,530	3,680	7,100
28	11 25 p.m.	„ Kinkazan (Rikuzen).	180	100	—	620	3,880	4,550
31	2 10 p.m.	Sea of Aki.	80	30	90	270	2,170	2,530
1904								
Jan. 19	5 47 a.m.	Off the E. coast of Rikuzen.	80	60	—	230	1,010	1,240
„	4 09 p.m.	„ Iwaki.	90	60	—	60	1,500	1,560
Feb. 24	8 32 p.m.	Off Kinkazan (Rikuzen).	180	100	10	1,850	3,570	5,430
26	5 50 p.m.	Tokyo Bay.	80	70	40	790	2,020	2,850

(1) Date.	(2) Time of occurrence.	(3) Origin of disturbance.	Total area of disturbance.		Area of sensible motion.			
			(4) Longer axis	(5) Shroter axis	(6) *Strong* motion	(7) *Moderate* motion	(8) *Slight* motion	(9) *Sum*
1904			*ri*	*ri*	*ri*	sq. *ri*	sq. *ri*	sq. *ri*
March 7	7h37m a.m.	S. part of Yamato.	50	40	100	270	180	550
8	3 40 a.m.	Off the coast of Hitachi.	220	120	490	2,010	4,200	6,700
„	11 29 p.m.	Do.	70	60	—	230	1,020	1,250
12	6 12 a.m.	Vicinity of Kasumiga-ura.	100	60	—	200	900	1,100
18	5 33 a.m.	Off the W. coast of Kii.	130	90	290	1,120	3,220	4,630
„	10 44 p.m.	„ SE. coast of Nemuro.	400	200	870	2,850	7,500	11,220
25	2 56 a.m.	„ E. coast of Rikuzen.	120	50	—	180	1,040	1,220
26	8 20 a.m.	SW. part of Ise.	40	25	—	310	420	730
27	1 32 p.m.	Off the E. coast of Mutsu.	110	70	—	240	1,330	1,570
28	6 28 p.m.	Boundary between Iwaki and Rikuzen.	40	30	—	210	290	500
April 4	8 20 a.m.	Vicinity of Kasumiga-ura.	70	60	—	170	1,620	1,790
13	2 38 p.m.	Off the coast of Rikuzen.	160	60	—	380	4,250	4,550
18	7 51 p.m.	Do.	60	50	—	30	590	620
„	8 03 p.m.	Uraga channel.	80	70	—	640	2,540	3,180
19	1 21 p.m.	Off the coast of Kushiro.	250	160	—	100	1,420	1,520
23	4 51 a.m.	Off the E. coast of Rikuzen.	180	80	—	1,870	4,740	6,610
24	8 08 a.m.	Outside the Rikuzen Bay.	270	140	750	2,280	3,930	6,960
„	3 38 p.m.	Toroku, Kagi, Ensuiko, Tainan, and Banshoryo (Formosa) $\varphi = 23°\ 30'$N, $\lambda = 120°\ 26'$E	160	80	360	1,270	630	2,260
27	3 14 a.m.	Vicinity of Tsukuba-San.	40	30	—	160	610	770
May 8	4 23 a.m.	Muikamachi (Echigo). $\varphi = 36°\ 53'$N, $\lambda = 138°\ 48'$E	230	140	1,080	4,770	5,860	11,710
„	7 24 a.m.	Sahara (Shimosa).	60	40	—	60	1,310	1,370
„	8 00 a.m.	Muikamachi (Echigo).	80	50	—	400	2,360	2,760
16	2 24 p.m.	N. part of Suruga.	60	50	—	700	1,050	1,750
17	4 03 p.m.	Bay of Chiba (Tokyo Bay).	80	50	—	170	1,750	1,920
20	5 35 p.m.	Sea of Aki.	220	180	760	3,030	6,480	10,270

(1) Date.	(2) Time of occurrence.	(3) Origin of disturbance.	Total area of disturbance.		Area of sensible motion.			
			(4) Longer axis	(5) Shorter axis	(6) *Strong* motion	(7) *Moderate* motion	(8) *Slight* motion	(9) *Sum*
1904			*ri*	*ri*	sq. *ri*	sq. *ri*	sq. *ri*	sq. *ri*
May 21	5h25m a.m.	Off the E. coast of Mutsu.	120	100	—	430	1,920	2,350
23	3 31 a.m.	„ coast of Harima.	110	90	330	960	4,130	5,420
27	5 41 a.m.	Uraga channel.	70	60	—	140	1,310	1,45.
„	7 46 a.m.	Tokyo Bay.	50	40	—	70	880	950
June 6	3 41 a.m.	Vicinity of Shishido Lake, Izumo.	150	130	570	1,890	4,030	6,490
„	11 51 a.m.	Do.	180	100	460	2,370	6,290	9,120
7	5 19 p.m.	Off the coast of Iwaki. φ=38°N, λ=144° 15′E.	450	300	90	5,850	14,650	20,590
14	10 39 a.m.	Off the coast of Rikuzen.	150	130	—	310	5,570	5,880
15	2 17 a.m.	S. part of Rikuzen.	70	40	—	120	850	970
22	11 26 a.m.	Off Kinkazan (Rikuzen).	140	80	10	510	2,770	3,290
24	3 44 a.m.	Vicinity of Lake Suwa (Shinano).	70	35	—	270	1,050	1,320
30	8 21 a.m.	Sahara (Shimosa).	70	35	60	320	790	1,170
„	8 22 a.m.	Do.	40	30	40	250	370	660
July 1	10 29 p.m.	Off the SE. coast of Nemuro.	350	300	250	2,300	5,250	7,800
8	0 02 p.m.	Neo-Valley (Mino).	40	20	—	130	390	520
12	7 40 p.m.	Off the E. coast of Kazusa.	200	180	—	160	5,440	5,600
13	4 13 p.m.	„ Mutsu.	180	150	—	920	2,330	3,250
15	3 44 a.m.	„ Kazusa.	130	80	—	460	1,630	2 090
„	3 53 a.m.	Do.	70	40	—	170	420	590
16	10 09 a.m.	Do.	200	150	180	380	4,300	5,310
„	10 34 a.m.	Do.	70	40	—	310	620	930
17	4 27 a.m.	Do.	100	60	—	860	1,360	2 320
18	7 51 p.m.	Do.	80	60	40	250	1,170	1,460
19	6 20 p.m.	Do.	140	70	80	270	2,250	2,600
20	0 30 p.m.	Do.	140	130	70	550	4,530	5,150

(1) Date.	(2) Time of occurrence.	(3) Origin of disturbance.	Total area of disturbance.		Area of sensible motion.			
			(4) Longer axis	(5) Shorter axis	(6) *Strong* motion	(7) *Moderate* motion	(8) *Slight* motion	(9) *Sum*
1904			*ri*	*ri*	sq. *ri*	sq. *ri*	sq. *ri*	sq. *ri*
July 26	9h01m p.m.	Bay of Iburi.	150	70	—	420	2,590	3,010
Aug. 4	9 49 p.m.	N. part of Shimosa. φ=35° 43′ N, λ=139°54′ E.	150	90	320	1,250	1,840	3,410
7	5 25 a.m.	Outside the Rikuzen Bay.	210	90	10	690	3,000	3,700
15	10 30 p.m.	,,	160	80	210	1,050	1,560	2,820
21	6 49 a.m.	Off the E. coast of Kunajiri-shima.	250	200	—	100	800	900
22	10 03 p.m.	Off the SE. coast of Nemuro.	350	200	—	1,160	2,380	3,540
25	6 01 a.m.	Off the Island of Oshima. (Lyu Kyu)	400	250	20	1,340	2,910	4,270
26	9 22 a.m.	Tsugaru Strait.	120	80	—	90	340	430
29	2 39 p.m.	Vicinity of Kameyama (Tanba).	70	40	—	360	730	1,090
Sept. 4	9 53 p.m.	Central part of Kii.	35	25	—	210	410	620
7	1 50 p.m.	Taichu (Formosa).	130	80	—	260	740	1,000
14	2 59 a.m.	Off the coast of Tokachi.	100	70	—	150	960	1,110
20	4 18 a.m.	Bay of Chichiiwa (Hizen).	50	30	—	90	180	270
21	2 51 p.m.	Off the coast of Iyo.	180	130	760	3,260	2,650	6,670
25	10 35 a.m.	Tsugaru strait.	180	100	—	810	2,350	3,160
Oct. 5	0 35 a.m.	N. part of Shimosa.	70	30	—	130	1,700	1,830
7	11 12 a.m.	Off the E. coast of Kii.	60	30	60	350	660	1,070
13	7 23 p.m.	,, coast of Iwaki.	60	30	—	160	1,350	1,510
20	2 01 a.m.	S. part of Mikawa.	70	50	—	380	560	940
,,	6 28 p.m.	Off the coast of Hidaka.	220	100	—	490	2,120	2,610
25	0 28 a.m.	,, Iwaki.	180	70	110	430	1,840	3,380
27	6 24 a.m.	,, Shimosa.	90	70	—	90	380	470
28	7 11 a.m.	,, Hitachi.	180	150	—	120	5,220	5,340

(1) Date.	(2) Time of occurrence.	(3) Origin of disturbance.	Total area of disturbance.		Area of sensible motion.			
			(4) Longer axis	(5) Shorter axis	(6) *Strong* motion	(7) *Moderate* motion	(8) *Slight* motion	(9) *Sum*
1904			*ri*	*ri*	sq. *ri*	sq. *ri*	sq. *ri*	sq. *ri*
Nov. 3	5h46m p.m.	Outside the Rikuzen Bay.	110	70	—	210	900	1,110
4	1 45 p.m.	Off Kinkazan (Rikuzen).	120	80	10	200	430	6,400
6	6 25 a.m.	Kagi, Toroku, and Ensuiko (Formosa). $\varphi = 23°30'$N, $\lambda = 120°26'$E.	?	?	520	800	790	2,110
7	4 20 p.m.	Boundary between Mikawa and Mino.	60	40	—	170	460	630
11	0 10 a.m.	Kashiwabara (Tango).	50	40	—	160	730	890
13	9 49 a.m.	Vicinity of Ogasawara-jima.	—	—	—	10	580	590
Dec. 16	5 23 p.m.	Off the coast of Shimosa.	80	50	—	100	240	340
17	9 40 a.m.	Do.	140	80	—	210	1,070	1,280
„	03 p.m.	Off the E. coast of Mutsu.	250	150	530	3,790	3,060	6,850
22	7 39 p.m.	Vicinity of Kumamoto (Higo).	70	60	60	580	810	1,450
23	9 56 a.m.	Off the coast of Shimosa.	130	90	—	230	400	630
24	11 47 a.m.	„ Rikuzen.	280	160	640	2,280	2,950	5,870
1905								
Jan. 2	4 26 p.m.	N. part of Rikuzen.	80	50	—	80	1,340	1,420
„	11 55 p.m.	Off the coast of Taito (Formosa)	160	120	—	240	660	900
11	7 15 a.m.	S. part of Formosa.	90	?	—	360	340	700
23	8 31 a.m.	Off the W. coast of Sado.	70	60	—	50	730	780
25	11 12 a.m.	Boundary between Chikugo and Higo.	60	50	110	380	1,490	1,980
26	4 02 p.m.	Off the coast of Hitachi.	100	70	—	510	1,550	2,060
28	9 57 p.m.	S. part of Hyuga.	70	50	110	490	730	1,330
Feb. 2	8 15 a.m.	Off Cape Erimo (Hidaka).	230	120	—	270	850	1,120
„	9 08 a.m.	Outside the Rikuzen Bay.	90	50	—	10	340	350
5	3 41 a.m.	Vicinity of Lake Biwa.	?	130	490	2,470	1,740	4,700
7	11 23 a.m.	Outside the Rikuzen Bay.	80	50	—	70	230	300

(1) Date.	(2) Time of occurrence.	(3) Origin of disturbance.	Total area of disturbance.		Area of sensible motion.			
			(4) Longer axis	(5) Shorter axis	(6) *Strong* motion	(7) *Moderate* motion	(8) *Slight* motion	(9) *Sum*
1905			*ri*	*ri*	sq. *ri*	sq. *ri*	sq. *ri*	sq. *ri*
Feb. 7	0h33m p.m.	SE. part of Mino.	60	25	—	120	280	400
„	2 47 p.m.	Off the coast of Iwaki.	130	70	—	140	990	1,130
11	7 06 a.m.	Do.	90	60	—	60	760	820
14	10 55 p.m.	Do.	110	60	—	40	930	970
17	3 27 a.m.	Outside the Rikuzen Bay.	120	50	—	10	1,080	1.090
„	6 44 p.m.	Off the coast of Iwaki.	130	80	190	660	1,160	2,010
21	2 24 p.m.	„ Cape Erimo (Hidaka).	280	150	—	500	3,150	3,650
26	8 45 p.m.	„ the E. coast of Mutsu.	200	120	—	510	1,390	1,900
27	1 19 a.m.	Off Chōshi (Shimosa).	80	40	—	30	260	290
28	11 01 p.m.	Bay of Wakasa.	90	60	—	230	880	1,110
March 4	9 18 p.m.	Bay of Chiba (Tokyo Bay).	110	60	—	400	720	1,120
6	6 08 a.m.	Uraga Channel.	70	40	—	210	800	1,010
„	10 32 a.m.	Off the coast of Rikuzen.	110	70	—	140	360	500
13	0 46 p.m.	„ Hyuga.	80	60	—	30	440	470
16	11 54 p.m.	Bungo Strait.	120	60	40	540	940	1,520
18	4 40 a.m.	Bay of Toyama (Etchu).	130	100	20	860	1,180	2,060
April 6	11 10 a.m.	Off the SE. coast of Kunashiri.	150	80	10	200	680	890
„	9 30 p.m.	E. part of Musashi.	80	50	—	940	1,770	2,710
10	10 04 p.m.	Off the coast of Taitō (Formosa).	100	80	—	650	1,500	2,150
13	6 02 p.m.	Vicinity of Yokohama.	140	60	150	420	470	1,040
16	8 05 a.m.	Off Cape Shiriya (Mutsu).	150	120	190	850	1,000	2.040
18	0 21 a.m.	Sea of Aki.	60	20	50	260	830	1,140
24	5 15 a.m.	S. part of Musashi.	130	60	—	770	790	1,560
May 9	2 54 a.m.	Off the coast of Hitachi.	200	140	—	170	1,200	1,370

(1) Date.	(2) Time of occurrence.	(3) Origin of disturbance.	Total area of disturbance.		Area of sensible motion.			
			(4) Longer axis	(5) Shorter axis	(6) *Strong* motion	(7) *Moderate* motion	(8) *Slight* motion	(9) *Sum*
1905			*ri*	*ri*	sq. *ri*	sq. *ri*	sq. *ri*	sq. *ri*
May 17	2h04m a.m.	Off the coast of Hidaka.	180	100	190	770	1,090	2,050
26	3 46 p.m.	,, Iwaki.	150	70	70	310	1,450	1,830
30	4 32 a.m.	Kanagawa (Musashi).	60	20	—	40	90	130
31	11 08 a.m.	Off the coast of Hidaka.	120	60	—	130	430	560
June 2	2 40 p.m.	Central part of Inland Sea.	450	200	4,750	3,950	2 200	10,900
,,	7 56 p.m.	Do.	230	140	120	3,390	4,960	8,470
3	9 18 a.m.	Do.	110	60	—	970	3,990	4.960
,,	9 34 a.m.	Do.	180	90	280	2,870	3,200	6,350
,,	7 24 p.m.	Do.	100	50	—	1,040	2,990	4,030
,,	7 38 p.m.	Do.	180	70	200	1,800	2,500	4,500
,,	10 49 p.m.	Do.	120	60	—	860	2,490	3,350
4	3 08 a.m.	Do.	90	50	—	590	1,720	2,310
5	8 44 a.m.	Vicinity of O-shima (Izu).	60	50	10	150	200	360
6	0 44 a.m.	Do.	90	70	—	190	42)	610
,,	1 19 a.m.	Do.	60	40	—	380	260	640
,,	1 51 a.m.	Do.	100	70	—	460	430	890
,,	2 05 a.m.	Do.	70	60	—	510	210	720
,,	2 23 a.m.	Do.	90	70	—	550	290	810
,,	5 17 a.m.	Do.	90	60	—	320	100	420
,,	9 23 a.m.	Do.	90	60	—	300	230	530
,,	11 47 a.m.	Do.	60	40	—	160	170	330
,,	8 32 p.m.	Central part of Inland Sea.	80	40	—	570	1,230	1,800
7	6 12 a.m.	Vicinity of Edosaki (Hitachi).	40	30	—	70	690	760
,,	2 40 p.m.	Vicinity of O-shima (Izu).	220	120	510	740	2,220	3,470
,,	10 06 p.m.	Do.	110	70	150	280	390	820
10	3 10 p.m.	Do.	150	100	—	270	440	710

(1) Date.	(2) Time of occurrence.	(3) Origin of disturbance.	Total area of disturbance.		Area of sensible motion.			
			(4) Longer axis	(5) Shorter axis	(6) *Strong* motion	(7) *Moderate* motion	(8) *Slight* motion	(9) *Sum*
1905			*ri*	*ri*	sq. *ri*	sq. *ri*	sq. *ri*	sq. *ri*
June 11	11h52m p.m.	N. part of Shimosa.	70	40	—	380	540	920
12	5 17 p.m.	Off the coast of Iwaki.	250	130	750	1,620	2,450	4,820
13	2 49 p.m.	Off Kinkazan (Rikuzen).	80	70	—	510	730	1,240
18	1 17 a.m.	Off the coast of Iwaki.	140	90	—	210	1,620	1,830
20	0 36 p.m.	„ Nemuro.	300	100	—	110	1,420	1,530
21	6 45 p.m.	N. part of Mino.	90	40	—	370	1,220	1,590
27	1 13 a.m.	Central part of Rikuchū.	220	70	—	1,890	1,130	3,020
July 1	1 49 a.m.	Vicinity of Mishima (Nagato).	90	50	—	220	600	820
„	9 06 a.m.	Ayabe (Tanba).	60	50	20	600	630	1,250
7	1 22 a.m.	Off the coast of Iwaki.	300	200	1,400	4,380	2,280	8,060
„	7 18 a.m.	Do.	300	180	—	440	4,840	5,280
„	10 19 a.m.	Off the coast of Tokachi.	240	160	—	140	4,700	4,840
9	7 13 a.m.	„ Iwaki.	230	140	30	1,670	2,930	4,630
13	1 49 p.m.	„ E. coast of Mutsu.	270	150	—	420	3,180	3,600
16	6 49 p.m.	„ coast of Ugo.	120	100	—	400	1,130	1,530
19	5 03 p.m.	Bay of Tokyo.	80	50	—	60	560	620
21	6 16 p.m.	Off Kinkazan (Rikuzen).	110	80	—	510	570	1,080
23	5 26 p.m.	Town of Yasuzuka, Higashi-Kubiki county (Echigo).	140	100	110	770	2,330	3,210
„	6 27 p.m.	Do.	110	60	10	100	830	940
„	7 01 p.m.	Off Kinkazan (Rikuzen).	150	80	—	170	1,370	1,540
27	1 39 a.m.	S. part of Shimotsuke.	90	40	—	140	1,150	1,290
Aug. 5	2 29 p.m.	SE. part of Hida.	90	40	—	290	610	900
12	9 28 p.m.	Bay of Tokyo.	60	30	—	70	400	470
18	6 08 a.m.	Bay of Atsumi (Mikawa).	90	40	—	270	350	620
22	11 32 p.m.	Off the E. coast of Rikuzen.	110	60	—	260	440	700

(1) Date.	(2) Time of occurrence.	(3) Origin of disturbance.	Total area of disturbance.		Area of sensible motion.			
			(4) Longer axis	(5) Shorter axis	(6) *Strong* motion	(7) *Moderate* motion	(8) *Slight* motion	(9) *Sum*
1905			*ri*	*ri*	sq. *ri*	sq. *ri*	sq. *ri*	sq. *ri*
Aug. 24	0h05m p.m.	Off the coast of Hitachi.	100	50	—	490	940	1,430
„	6 11 p.m.	Hagiwara, Masuda county (Hida).	110	40	40	230	500	770
26	5 16 p.m.	Off Cape Muroto (Tosa).	140	70	160	880	1,400	2,440
29	1 28 p.m.	Off the SE. coast of Kushiro.	250	150	—	400	670	1,070
30	9 27 a.m.	„ Omae-zaki (Totomi).	90	50	—	60	620	680
Sept. 1	11 47 a.m.	Off the E. coast of Mutsu.	300	200	240	3,720	2,240	6,200
„	2 52 p.m.	„ coast of Totomi.	60	50	—	260	180	440
2	0 52 a.m.	Tono-machi (Rikuchu).	150	70	—	530	820	1,310
„	3 48 p.m.	Off the coast of Rikuzen.	200	100	—	440	870	1,290
3	2 02 a.m.	Uraga channel.	120	70	160	550	1,240	1,950
6	5 11 p.m.	Off the E. coast of Kii.	70	45	80	290	210	580
8	11 06 a.m.	Boundary between Hōki and Izumo.	40	25	—	170	330	500
9	3 01 p.m.	S. part of Kii.	80	50	110	490	250	850
12	0 52 p.m.	Central part of Inland Sea.	170	90	470	3,180	2,500	6,150
21	10 00 p.m.	Vicinity of Chiba (Shimosa).	150	110	—	980	1,420	2,400
24	2 08 a.m.	Boundary between Hitachi and Shimosa.	70	40	—	180	480	660
29	10 19 a.m.	Boundary between Mino and Echizen.	140	80	—	1,100	1,850	2 950
30	11 31 p.m.	Off the E. coast of Mutsu.	120	70	—	50	1,000	1,050
Oct. 2	10 54 a.m.	Off the coast of Hitachi.	200	150	120	2,830	2,080	5,030
3	6 18 p.m.	Boundary between Hida and Kaga.	110	40	—	160	600	760
4	8 15 a.m.	Off Cape Shiriya (Mutsu).	270	180	350	3,950	2,700	7,000
7	9 53 p.m.	Off the E. coast of Mutsu.	120	90	—	180	640	820
10	10 54 a.m.	Off Chōshi (Shimosa).	170	140	—	660	1,100	1,760
13	3 14 p.m.	Off Cope Kamui (Shiribeshi).	120	100	50	490	990	1,530
14	11 54 a.m.	Bay of Chiba (Tokyo Bay).	160	60	40	560	850	1,450

(1) Date.	(2) Time of occurrence.	(3) Origin of disturbance.	Total area of disturbance.		Area of sensible motion.			
			(4) Longer axis	(5) Shorter axis	(6) *Strong* motion	(7) *Moderate* motion	(8) *Slight* motion	(9) *Sum*
1905			*ri*	*ri*	sq. *ri*	sq. *ri*	sq. *ri*	sq. *ri*
Oct. 16	1h52m a.m.	SE. part of Hida.	90	50	—	200	1,210	1,410
19	1 42 a.m.	Central part of Mino.	80	50	—	290	440	730
„	9 10 a.m.	E. part of Musashi.	130	50	—	470	930	1,400
24	0 48 p.m.	Off the E. coast of Awa peninsula.	220	120	—	250	1,020	1,270
28	6 45 p.m.	Off the SE. coast of Kushiro.	250	100	—	300	550	850
Nov. 1	2 00 p.m.	Off the coast of Iwaki.	140	80	—	360	1,530	1,890
2	11 21 a.m.	„ Kazusa.	160	120	—	620	1,260	1,880
9	7 19 p.m.	W. part of Echigo.	140	120	—	710	1,150	1,860
22	9 43 a.m.	Off the E. coast of Formosa.	160	?	—	1,660	780	2,440
23	0 01 a.m.	Off the coast of Rikuchū.	200	100	—	460	830	1,290
Dec. 2	6 32 a.m.	Ariake Sea (Higo).	200	150	110	1,180	750	2,040
3	1 46 p.m.	Off Kinkazan (Rikuzen).	180	130	10	1,110	2,260	3,380
5	1 18 a.m.	Do.	150	80	10	270	900	1,180
„	4 38 a.m.	Outside the Iburi Bay.	160	80	—	80	800	880
8	0 08 p.m.	Central part of Inland Sea.	240	160	770	4,130	3,340	8,240
„	1 26 p.m.	Do.	220	160	380	4,850	3,390	8,620
17	6 29 p.m.	Off the coast of Nagato.	80	70	—	120	1,590	1,710
23	11 37 a.m.	„ Rikuchū.	250	170	760	2,310	2,360	5,430
26	0 11 p.m.	Off the coast of Hitachi.	220	160	920	2,680	2,220	5,820
27	0 51 p.m.	Kaita-mura. Nishi-Chikuma county, Shinano.	160	50	20	400	1,140	1,560
30	7 53 p.m.	Bay of Chiba (Tokyo Bay).	50	40	—	70	200	270
1906								
Jan. 1	6 18 a.m.	Sea of Ise.	80	50	—	730	710	1,440
5	6 06 a.m.	Bay of Osaka.	30	20	—	120	440	560
„	6 01 p.m.	Do.	40	30	—	400	500	900

(1) Date.	(2) Time of occurrence.	(3) Origin of disturbance	Total area of disturbance.		Area of sensible motion.			
			(4) Long r axis	(5) Shorter axis	(6) *Strong* motion	(7) *Moderate* motion	(8) *Slight* motion	(9) *Sum*
1906			*ri*	*ri*	sq. *ri*	sq. *ri*	sq. *ri*	sq. *ri*
Jan. 6	4h28m a.m.	Off the E. coast of Mutsu.	110	90	—	530	860	1,390
„	0 48 p.m.	„ Rikuchu.	70	50	—	260	310	570
7	8 52 p.m.	Bay of Osaka.	90	60	—	700	810	1,510
8	11 00 p.m.	Off the coast of Sagami.	180	120	20	830	840	1,690
9	6 50 p.m.	Central part of Shimosa.	70	40	—	220	690	910
„	9 55 p.m.	Bay of Chiba (Tokyo Bay).	60	40	—	20	320	340
12	10 23 a m.	Off the E. coast of Kii.	130	90	200	900	790	1,890
15	7 54 a.m.	N. part of Sagami.	40	30	—	100	340	440
18	9 20 p.m.	N. part of Mino.	140	80	170	1,420	1,640	3,230
21	10 50 p.m.	Off the E. coast of Main Island $\varphi = 34°\ 23'$ N, $\lambda = 143°\ 26'$ E.	400	350	1,640	5,260	7,570	14,470
24	5 07 a.m.	Off the coast of Iwami.	150	50	—	280	1,110	1,390
Feb. 4	3 24 p.m.	Rikuzen Bay.	220	130	90	2,150	2,230	4,470
5	3 11 a.m.	Outside the Rikuzen Bay.	150	60	—	240	1,030	1,270
„	5 09 a.m.	Rikuzen Bay.	200	120	—	880	2,200	3,080
17	6 41 a.m.	Off the E. coast of Kazusa.	340	140	50	400	530	980
18	2 15 p.m.	S. part of Kazusa.	140	110	—	270	690	960
23	6 49 p.m.	Off the coast of Awa and Kazusa peninsula.	300	200	290	1,900	3,500	5,690
24	9 14 a.m.	Tokyo Bay.	350	200	840	4,190	5,070	10,100
28	0 10 a.m.	S. part of Ise.	70	40	—	230	700	930
March 6	1 38 a.m.	Off the coast of Awa and Kazusa.	250	200	—	120	190	310
7	11 17 a.m.	Off the coast of Iwaki.	250	150	—	380	2,980	3,360
8	4 08 a.m.	Boundary between Mino and Owari.	90	60	—	190	740	930
13	10 29 p.m.	Off the coast of Hyūga.	200	150	910	2,160	2,700	5,770
14	1 11 a.m.	Do.	70	60	—	40	80	120
„	8 32 p.m.	Off the coast of Kazusa.	100	80	—	450	1,080	1,530

(1) Date.	(2) Time of occurrence.	(3) Origin of disturbance.	Total area of disturbance.		Area of sensible motion.			
			(4) Longer axis	(5) Shorter axis	(6) *Strong* motion	(7) *Moderate* motion	(8) *Slight* motion	(9) *Sum*
1906			*ri*	*ri*	sq. *ri*	sq. *ri*	sq. *ri*	sq. *ri*
March 16	0^h05^m a.m.	Central part of Inland Sea.	100	50	—	100	3,100	3,200
17	8 43 a.m.	Kagi (Formosa).	500	?	970	1,310	—	2,280
„	9 21 p.m.	Northern part of Ariake Sea, (Kyushu).	50	30	—	90	810	900
„	9 23 p.m.	Do.	200	120	250	2,150	1,200	3,600
18	0 12 a.m.	Do.	60	30	—	80	230	310
„	1 10 a.m.	S. part of Kii.	170	110	160	1,080	2,330	3,570
„	5 32 a.m.	Northern part of Ariake Sea (Kyushu).	40	20	—	60	630	690
„	6 30 a.m.	Off the coast of Hyūga.	150	100	—	150	2,290	2,440
21	11 43 p.m.	„ Rikuzen.	170	100	—	190	790	980
23	5 40 a.m.	„ E. coast of Mutsu.	200	150	—	210	560	770
24	9 59 a.m.	Near O-shima (Lyu-kyu).	150	—	—	80	20	100
26	1 29 p.m.	Kagi (Formosa).	100	80	200	1,090	940	2,230
28	8 57 a.m.	Do.	80	70	100	520	1,580	2,200
29	6 14 a.m.	Do.	100	80	200	920	420	1,540
April 4	10 04 a.m.	Off the coast of Rikuzen.	130	70	—	340	820	1,160
5	11 50 a.m.	„ Iwaki.	240	180	190	2,370	3,090	5,650
6	4 58 a.m.	Kagi (Formosa).	100	80	70	650	940	1,660
„	7 29 p.m.	Off the E. coast of Nemuro.	350	?	20	400	470	890
7	2 52.7 p.m.	Tenshiko (Formosa).	—	100	270	970	970	2,210
8	8 39.7 a.m.	Kagi „	100	80	100	920	1,120	2,140
„	2 52 p.m.	Off the E. coast of Awa peninsula.	160	70	—	680	1,620	2,300
9	2 38 a.m.	Off the coast of Iwaki.	230	160	—	360	3,890	4,250
11	7 08 p.m.	NW. part of Mino.	140	90	90	1,530	1,770	3,390
14	5 18 a.m.	Tenshiko (Kagi Prefecture) Formosa.	—	—	2,060	220	—	2,280
„	9 52 a.m.	Do.	—	—	740	1,240	300	2,280
20	9 48 p.m.	Hagiwara, Masuda county (Hida).	90	70	60	310	1,850	2,220

(1) Date.	(2) Time of occurrence.	(3) Origin of disturbance.	Total area of disturbance. (4) Longer axis	(5) Shorter axis	Area of sensible motion. (6) *Strong* motion	(7) *Moderate* motion	(8) *Slight* motion	(9) *Sum*
1906			*ri*	*ri*	sq. *ri*	sq. *ri*	sq. *ri*	sq. *ri*
April 21	4h40m a.m.	Hagiwara, Masuda county (Hida).	?	210	580	3,320	3,310	7,210
„	3 54 p.m.	Kosaka, Masuda county (Hida).	110	60	40	210	820	1,070
May 1	7 12 p.m.	Bungo Strait.	80	60	—	290	1,360	1,650
2	11 13 a.m.	Off the N. coast of Formosa.	150	?	—	450	2,000	2,450
5	8 09 a.m.	„ S. coast of Kii.	450	200	1,160	2,160	6,330	9,650
„	8 53 a.m.	Central part of Kii.	90	60	100	700	1,030	1,830
6	10 20 p.m.	NW. part of Higo.	60	35	10	170	470	650
7	8 01 a.m.	Off the E. coast of Awa peninsula.	120	70	—	120	410	530
10	2 34 p.m.	Vicinity of Kawawa (Musashi).	80	40	—	40	250	290
16	7 10 p.m.	Off the coast of Hitachi.	170	140	—	30	1,700	1,730
18	4 04 p.m.	„ Iwaki.	120	90	—	390	1,600	1,990
„	9 36 p.m.	„ Shimosa.	110	70	—	40	230	270
19	1 31 a.m.	Do.	220	180	170	670	2,980	3,820
21	2 21 p.m.	Tokyo Bay.	120	60	—	380	430	810
„	3 56 p.m.	N. part of Shimosa.	150	80	250	1,710	1,430	3,390
22	4 12 p.m.	Central part of Inland Sea.	150	120	650	1,570	2,220	4,440
24	2 17 p.m.	Uraga channel.	45	30	—	60	210	270
28	4 10 a.m.	Off the E. coast of Nemuro.	300	200	60	580	1,300	1,940
„	6 59 a.m.	„ coast of Kazusa.	140	90	—	350	470	820
29	11 22 p.m.	N. part of Shimosa.	130	70	120	1,080	1,060	2,260
30	9 27 p.m.	Tokyo Bay.	60	35	—	190	500	690
June 2	7 18 a.m.	Vicinity of Naruto, Awa.	80	60	170	850	890	1,910
10	10 37 a.m.	Off Kinkazan (Rikuzen).	80	60	—	10	320	330
22	2 28 a.m.	Uyeda (Shinano).	60	50	40	400	560	1,000
July 7	7 30 p.m.	Outside the Rikuzen Bay.	180	90	—	170	1,490	1,660

(1) Date.	(2) Time of occurrence.	(3) Origin of disturbance.	Total area of disturbance.		Area of sensible motion.			
			(4) Longer axis	(5) Shorter axis	(6) *Strong* motion	(7) *Moderate* motion	(8) *Slight* motion	(9) *Sum*
1906			*ri*	*ri*	sq. *ri*	sq. *ri*	sq. *ri*	sq. *ri*
July 7	8h41m p.m.	Off Kinkazan (Rikuzen).	130	70	—	90	310	400
10	9 37 a.m.	Off the coast of Iwaki.	90	70	—	120	330	450
11	5 32 a.m.	Central part of Mikawa.	50	30	—	100	610	710
12	4 31 p.m.	Off the coast of Hitachi.	160	100	—	170	640	810
23	1 18 p.m.	„ Iwaki.	180	140	280	1,880	2,770	4,930
31	8 58 p.m.	„ Rikuchū.	90	70	—	160	520	680
Aug. 5	4 53 a.m.	Tokyo Bay.	70	60	—	440	770	1,210
„	5 32 a.m.	Do.	120	50	210	860	1,350	2,420
9	9 15 p.m.	Off the coa t of Hyuga.	130	80	—	140	450	590
„	10 27 p.m.	Do.	200	100	—	1,050	1,030	2,080
16	6 26 a.m.	Central part of Izu.	90	70	—	190	430	620
„	3 39 p.m.	Do.	100	80	50	80	930	1,060
19	8 00 a.m.	Off Chōshi (Shimosa).	180	120	10	730	2,940	3,680
21	5 42 a.m.	W. part of Kazusa.	140	50	—	80	290	370
22	0 08 a.m.	W. part of Shimosa.	120	50	100	810	920	1,830
31	11 20 a.m.	Central part of Izu.	140	80	10	350	920	1,280
Sept. 4	9 46 a.m.	Town of Mifune, (Higo).	60	45	—	160	110	270
8	3 53 a.m.	Off the E coast of Awa and Kazusa.	170	90	—	130	770	900
15	0 34 a.m.	Vicinity of Matsuzaka (Ise).	60	30	—	50	100	150
17	5 27 p.m.	W. part of Hitachi.	130	110	—	680	1,940	2,620
19	7 55 p.m.	Central part of Izu.	60	40	—	60	490	550
Oct. 4	0 05 a.m.	Off the coast of Rikuzen.	120	60	—	230	370	600
6	6 35 p.m.	N. part of Shimosa.	120	50	—	550	1,700	2,250
„	8 52 p.m.	Near the coast of Iwaki.	150	100	—	1,210	2,210	3,420

(1) Date.	(2) Time of occurrence.	(3) Origin of disturbance.	Total area of disturbance.		Area of sensible motion.			
			(4) Longer axis	(5) Shorter axis	(6) *Strong* motion	(7) *Moderate* motion	(8) *Slight* moiton	(9) *Sum*
1906			*ri*	*ri*	sq. *ri*	sq. *ri*	sq. *ri*	sq. *ri*
Oct. 6	9h24m p.m.	Central part of Shimotsuke.	110	50	—	120	1,610	1,730
10	9 51 p.m.	SW. part of Iwaki.	140	80	—	1,200	1,650	2,850
12	9 56 a.m.	Off the coast of Ugo.	180	140	200	2,180	1,810	4,190
,,	10 04 a.m.	Do.	220	140	590	1,570	1,950	4,110
19	9 29 p.m.	Off the coast of Awa and Kazusa.	100	70	—	160	360	520
,,	10 46 p.m.	Bungo Strait.	70	40	—	530	1 040	1,570
23	7 13 a.m.	N. shore of Lake Biwa.	35	30	—	140	290	430
26	5 25 p.m.	S. part of Yamato.	90	50	—	380	340	720
27	7 25 a.m.	Off the coast of Iwaki.	300	200	—	320	3,550	3,870
Nov. 7	11 54 p.m.	,, Sagami.	70	50	—	150	350	500
9	6 54 p.m.	,, Iwaki.	120	50	—	140	540	680
11	0 33 a.m.	,, Awa peninsula.	50	30	—	20	80	100
12	11 07 p.m.	Vicinity of Kasumiga-ura.	150	80	60	1,370	1,610	3,040
15	7 24 p.m.	N. part of Hyuga.	50	40	—	360	520	880
16	1 54 a.m.	W. part of Owari.	40	20	—	90	140	230
22	6 44 a.m.	Central part of Bingo.	50	30	—	140	490	630
23	3 32 p.m.	Off the coast of the Awa peninsula.	180	100	30	670	630	1,330
24	4 40 a.m.	Off Kinkazan (Rikuzen).	110	60	—	10	570	580
,,	5 45 p.m.	Do.	90	60	—	10	580	590
Dec. 2	0 33 p.m.	Vicinity of Ueda (Shinano).	60	30	—	100	230	330
4	8 44 p.m.	Off the coast of Hitachi.	90	50	—	160	830	990
5	5 54 p.m.	Central part of Kii.	50	40	—	330	330	660
10	7 52 a.m.	Tosa Bay.	100	80	20	230	820	1,070
24	5 46 p.m.	Katori county (Shimosa).	80	60	—	90	250	340
27	9 05 p.m.	Vicinity of Ueda (Shinano).	70	30	—	80	180	260

(1) Date.	(2) Time of occurrence.	(3) Origin of disturbance.	Total area of disturbance.		Area of sensible motion.			
			(4) Longer axis	(5) Shorter axis	(6) *Strong* motion	(7) *Moderate* motion	(8) *Slight* motion	(9) *Sum*
1907			*ri*	*ri*	sq. *ri*	sq. *ri*	sq. *ri*	sq. *ri*
Jan. 3	3h42m a.m.	N. part of Shimosa.	150	80	110	900	1,300	2,310
5	1 47 a.m.	Off Cape Erimo (Hokkaido).	300	150	—	420	3,810	4,230
10	0 48 p.m.	Do.	270	160	—	690	2,130	2,820
18	8 23 p.m.	Off the W. coast of Kii.	80	70	—	410	1,210	1,620
21	9 22 p.m.	Off Cape Erimo (Hokkaido).	300	150	—	120	3,670	3,790
25	0 33 a.m.	Off the E. coast of Kazusa.	130	110	—	410	620	1,030
,,	6 35 p.m.	,, coast of Hitachi.	85	60	—	140	680	820
Feb. 6	5 38 p.m.	Some distance off the E. coast of Awa-Kazusa peninsula.	400	300	10	110	3,130	3,250
12	1 26 a.m.	Tsugaru Strait.	200	100	—	170	400	570
,,	7 39 a.m.	Rikuzen Bay.	160	130	—	450	1,810	2,260
20	9 52 p.m.	Off the coast of Rikuzen.	170	80	—	1,020	1,760	2,780
22	9 57 p.m.	N. part of Shimosa.	60	40	—	160	520	680
March 1	3 16 p.m.	Off the E. coast of Hokkaido.	350	200	80	2,410	4,450	6,940
5	8 21 p.m.	S. part of Rikuzen.	110	80	100	980	1,850	2,930
7	11 50 a.m.	Off Cape Erimo (Hokkaido).	300	150	—	90	3,390	3,480
10	7 16 p.m.	Central part of Higo.	100	50	30	500	1,620	2,150
,,	7 48 p.m.	Do.	90	60	40	700	2,440	3,270
,,	10 03 p.m.	Do.	130	90	200	1,740	1,490	3,430
13	0 38 a.m.	Vicinity of Noda (Shimosa).	110	50	40	730	590	1,360
18	2 07 p.m.	Off the coast of Iwaki.	180	140	140	1,010	1,800	2,950
,,	3 16 p.m.	Central part of Rikuchu.	80	60	—	270	570	840
19	8 34 a.m.	Outside the Rikuzen Bay.	120	60	—	190	690	880
23	7 28 p.m.	Off the S. coast of Shikoku.	250	150	—	190	3,420	3,610
26	4 11 p.m.	Central part of Inland Sea.	90	50	—	750	1,310	2,060
,	8 22 p.m.	Some distance off the E. coast of main Island.	600	400	—	3,200	5,600	8,800

(1) Date.	(2) Time of occurrence.	(3) Origin of disturbance.	Total area of disturbance.		Area of sensible motion.			
			(4) Longer axis	(5) Shorter axis	(6) *Strong* motion	(7) *Moderate* motion	(8) *Slight* motion	(9) *Sum*
1907			*ri*	*ri*	sq. *ri*	sq. *ri*	sq. *ri*	sq. *ri*
March 30	6h21m p.m.	Boundary between Ise and Yamato.	120	60	80	530	1,010	1,620
31	7 29 p.m.	Off the coast of Iwaki.	220	160	80	1,720	3,280	5,080
April 2	7 28 p.m.	Central part of Higo.	40	30	—	100	300	400
9	0 23 p.m.	Off the coast of Bingo, (Inland Sea).	220	140	490	3,920	2,390	6,800
11	8 47 a.m.	Off Cape Erimo (Hokkaido).	270	200	50	1,570	3 560	5,180
13	4 05 a.m.	Central part of Higo.	60	40	100	630	550	1,280
18	2 33 a.m.	Vicinity of Kasama (Hitachi).	70	40	—	100	470	570
21	4 31 a.m.	Off the coast of Iwaki.	150	120	—	120	1,180	1,300
23	9 58 a.m.	Do.	300	180	410	2,820	2,540	5,770
25	4 48 a.m.	Vicinity of Suzaka (Shinano).	45	15	—	40	130	170
„	11 35 a.m.	Off Cape Erimo (Hokkaido).	140	120	—	30	370	400
29	3 30 p.m.	Off the coast of Bingo (Inland Sea).	30	20	—	180	320	500
30	5 56 a.m.	Rikuzen Bay.	120	80	—	370	1,550	1,920
„	0 51 p.m.	Off the coast of Hitachi.	160	110	270	810	1,630	2,710
May 4	5 37 p.m.	Vicinity of Ogasawara-jima.	600	400	10	—	450	460
5	2 16 a.m.	Off the coast of Hitachi.	220	180	510	2,420	3,130	6,060
9	7 25 a.m.	„ Rikuzen.	250	150	—	990	3,460	4,450
10	7 42 a.m.	Off Cape Erimo (Hokkaido).	200	150	10	320	1,440	1,770
14	4 49 a.m.	Off the SE coast of Nemuro.	100	40	50	320	520	890
23	7 54 a.m.	Off the coast of Rikuzen.	250	150	—	1,440	2,760	4,200
„	9 18 p.m.	Off the coast of Bingo, (Inland Sea).	100	60	70	920	2,570	3,560
„	11 39 p.m.	Do.	70	30	—	170	1,560	1,730
27	7 00 a.m.	S. part of Shimotsuke.	120	50	—	380	950	1,330
June 7	6 51 a.m.	Some distance off the E. coast of Kazusa and Awa.	400	200	—	100	630	730

(1) Date.	(2) Time of occurrence.	(3) Origin of disturbance.	Total area of disturbance.		Area of sensible motion.			
			(4) Longer axis	(5) Shorter axis	(6) *Strong* motion	(7) *Moderate* motion	(8) *Slight* motion	(9) *Sum*
1907			*ri*	*ri*	sq. *ri*	sq. *ri*	sq. *ri*	sq. *ri*
June 11	8h59m a.m.	Off the NE. coast of Kazusa. $\varphi = 35°\ 30'$N, $\lambda = 140°\ 45'$E.	250	180	160	2,140	2,480	4,780
14	1 43 p.m.	,,	150	130	40	300	810	1,150
29	2 50 p.m.	Vicinity of Suzaka (Shinano).	80	70	30	250	470	750
July 1	11 48 a.m.	Off the coast of Hitachi.	130	80	—	220	920	1,140
2	5 45 a.m.	Vicinity of Kasumiga-ura.	120	100	—	250	930	1,180
4	9 17 p.m.	Off the N. coast of Formosa.	200	—	—	200	750	950
6	0 45 a.m.	,, Nemuro.	400	200	900	4,150	5,400	10,450
16	6 35 a.m.	Do.	60	40	—	270	550	820
24	1 16 a.m.	Off the coast of Kushiro.	80	70	—	350	620	970
23	8 10 p.m.	Off the E. coast of Mutsu.	110	60	—	250	510	760
27	4 23 p.m.	Vicinity of Kawawa (Musashi)	150	100	100	650	500	1,250
Aug. 1	3 47 p.m.	Central part of Formosa.	40	30	50	230	500	780
7	11 47 a.m.	Bungo Strait.	100	60	100	780	1,230	2,110
14	4 50 a.m.	Off the coast of Ugo.	170	140	170	1,560	2,460	4,190
26	8 54 a.m.	E. part of Izumo.	230	160	290	2,650	2,150	5,090
28	3 57 p.m.	Do.	70	40	—	210	560	770
31	4 04 p.m.	Off Kinkazan (Rikuzen).	130	80	—	120	530	650
Sept. 1	8 08 a.m.	Near Koshiki-jima, off the S. coast of Kyushu.	100	60	70	320	660	1,050
8	2 10 a.m.	Off the coast of Hidaka.	130	80	—	30	380	410
13	7 27 p.m.	E. part of Izumo.	70	35	—	430	480	910
15	6 01 p.m.	Off the coast of Hidaka.	230	150	110	1,200	1,600	2,910
,,	8 21 p.m.	Off the coast of Hidaka.	250	150	170	1,120	3,150	4,440
16	2 21 a.m.	E. part. of Izumo.	50	25	—	190	230	420

(1) Date.	(2) Time of occurrence.	(3) Origin of disturbance.	Total area of disturbance.		Area of sensible motion.			
			(4) Longer axis	(5) Shorter axis	(6) *Slight* motion	(7) *Moderate* motion	(8) *Slight* motion	(9) *Sum*
1907			*ri*	*ri*	sq. *ri*	sq. *ri*	sq. *ri*	sq. *ri*
Sept. 22	4 50 a.m.	Off the E. coast of Kazusa.	230	180	580	930	1,010	2,520
,,	9 08 p.m.	Off the S. end of Formosa.	150	—	—	20	300	320
Oct. 1	6 16 p.m.	Tokyo Bay.	80	40	—	40	260	300
5	5 28 a.m.	Some distance off the coast of Iwaki.	300	200	—	1,380	4,130	5,510
10	8 13 p.m.	In Lake Biwa.	40	20	—	90	180	270
11	3 51 a.m.	Off the coast of Echizen.	120	100	30	1,110	2,040	3,180
13	1 46 p.m.	Near the coast of Sagami.	60	30	10	140	210	360
15	9 05 a.m.	Off the coast of Hitachi.	250	150	190	2,160	2,120	4,470
24	5 14 a.m.	Near E. coast of Kii.	70	60	170	400	510	1,080
27	3 46 p.m.	S. part of Hida.	140	100	210	1,490	2,400	4,100
28	8 33 a.m.	Off the coast of Iwami.	100	50	—	300	590	890
,,	5 54 p.m.	Do.	80	60	—	370	1,250	1,620
,,	9 17 p.m.	Off the coast of Iwaki.	200	180	160	2,410	2,840	5,410
Nov. 4	6 03 a.m.	Near Koshiki-shima, off the S. coast of Kyushu.	70	60	—	70	410	480
10	2 03 a.m.	Vicinity of Kawawa (Musashi)	50	40	—	30	170	200
11	7 44 a.m.	Off the NE. coast of Rikuzen.	100	60	—	20	230	250
13	11 11 a.m.	Off Cape Shiriya (Mutsu).	150	80	—	180	490	670
21	1 32 p.m.	Tokyo Bay.	70	40	—	60	790	850
22	2 17 a.m.	N. part of Musashi. $\varphi = 36° 15'$ N, $\lambda = 139° 45'$ E	200	120	1,420	2,310	2,830	6,560
27	6 36 p.m.	Off cape Shiriya (Mutsu).	250	150	170	1,880	3,670	5,720
28	11 28 a.m.	N. part of Shimosa.	35	20	—	70	490	560
29	5 21 a.m.	Off the NE. coats of Rikuzen.	70	40	—	60	90	150
Dec. 2	10 53 p.m.	,, E. coast of Mutsu.	300	200	2,020	2,220	2,920	7,160
3	8 23 a.m.	Formosa.	200	150	—	100	770	870

(1) Date.	(2) Time of occurrence.	(3) Origin of disturbance.	Total Area of disturbance.		Area of sensible motion.			
			(4) Longer axis	(5) Shorter axis	(6) *Strong* motion	(7) *Moderate* motion	(8) *Slight* motion	(9) *Sum*
1907			*ri*	*ri*	sq. *ri*	sq. *ri*	sq. *ri*	sq. *ri*
Dec. 10	0 39 a.m.	Vicinity of Iwamurata (Shinano).	60	20	—	100	290	390
11	5 54 p.m.	Vicinity of Chiba, Shimosa.	120	60	—	340	570	910
15	6 09 a.m.	Sea of Amakusa (Kyushu).	120	70	—	20	330	350
20	8 42 p.m.	Off the E. coast of Mutsu.	130	100	—	330	1,330	1,660
23	10 14 a.m.	„ coast of Kushiro.	450	250	950	2,300	2,820	6,070