

CATALOGUE OF EARTHQUAKES.

*July 1883 to end of February 1885. The observations were
made at The Imperial Meteorological Observatory
(Chiri Kioku) by Palmieri's Seismograph.*

(For first portions of this Catalogue see *Trans. Seis. Soc.*
Vol. II pp. 3—39. Vol. VI pp. 32—35.)

No.	Month	Date	Time	Force	Direction	Duration
493	VII	28	about 2 ^h 25 ^m A.M.	—	—	—
499	VIII	17	2 ^h 38 ^m 41 ^s P.M.	—	—	0 ^m 24 ^s
500	X	4	3 ^h 8 ^m 11 ^s A.M.	7°10'	N or S	0 ^m 33 ^s
				4°40'	NW or SE	
				6°0'	W or E	
				4°0'	SW or NE	
501	XI	26	3 ^h 47 ^m 27 ^s P.M.	—	—	—
502	"	27	4 ^h 23 ^m 00 ^s A.M.	3°50'	N or S	0 ^m 49 ^s
				2°50'	NW or SE	
				3°10'	W or E	
503	"	30	4 ^h 29 ^m 21 ^s A.M.	2°20'	N or S	0 ^m 25 ^s
				1°20'	NW or SE	
				1°10'	W or E	
504	XII	4	2 ^h 38 ^m 29 ^s P.M.	0°50'	NW or SE	—
				1°30'	W or E	
				1°30'	SW or NE	
505	"	20	4 ^h 22 ^m 28 ^s P.M.	—	—	—
506	"	22	6 ^h 54 ^m 00 ^s P.M.	1°40'	NW or SE	—
507	"			1°30'	W or E	
508	"	25	4 ^h 55 ^m 30 ^s P.M.	2°00'	N or S	
				1°00'	NW or SE	—

No.	Month	Date	Time	Force	Direction	Duration
				1°00'	W or E	
				1°00'	SW or NE	
	1884					
509	I	2	1 ^h 19 ^m 59 ^s P.M.	11°10'	N or S	about 3 ^m
				15°30'	NW or SE	
				23°00'	W or E	
				16°25'	SW or NE	
510	„	4	2 ^h 16 ^m 53 ^s P.M.	—	—	—
511	„	10	9 ^h 00 ^m 51 ^s P.M.	4°05'	N or S	
				4°10'	NW or SE	
				4°40'	W or E	
				4°50'	SW or NE	
512	„	20	0 ^h 53 ^m 34 ^s A.M.	4°00'	N or S	43 ^s
				2°00'	NW or SE	
				5°10'	W or E	
				5°30'	SW or NE	
513	„	„	7 ^h 51 ^m 41 ^s P.M.	—	—	—
514	II	22	6 ^h 16 ^m 4 ^s A.M.	1°10'	N or S	
				0°20'	NW or SE	
				2°00'	W or E	
				0°20'	SW or NE	
515	„	23	about 2 ^h 40 ^m A.M.	2°40'	W or E	
				1°30'	SW or NE	—
517	III	1	about 9 ^h 05 ^m P.M.	—	—	—
518	„	7	about 1 ^h 02 ^m P.M.?	—	—	—
519	„	14	4 ^h 50 ^m 00 ^s A.M.	—	—	—
520	„	„	about 7 ^h 10 ^m 00 ^s A.M.	—	—	—

No.	Month	Date	Time	Force	Direction	Duration
521	III	14	8 ^h 58 ^m 25 ^s P.M.	—	—	—
522	"	15	8 ^h 24 ^m 33 ^s P.M.	—	—	20 ^s
523	"	17	9 ^h 03 ^m 21 ^s P.M.	1°50'	W or E	—
524	"	31	8 ^h 22 ^m 00 ^s P.M.	0°40'	NW or SE	—
				1°40'	W or E	
				1°20'	SW or NE	
525	IV	4	9 ^h 34 ^m 03 ^s P.M.	0°10'	W or E	—
526	"	6	0 ^h 23 ^m 00 ^s A.M.	5°00'	N or S	1 ^m 00 ^s
				3°00'	NW or SE	
				3°10'	W or E	
				2°10'	SW or NE	
527	V	6	5 ^h 37 ^m 37 ^s P.M.	3°20'	N or S	1 ^m 04 ^s
				2°40'	NW or SE	
				3°10'	W or E	
				4°00'	SW or NE	
528	"	6	9 ^h 00 ^m 21 ^s P.M.	3°00'	N or S	30 ^s
				1°30'	NW or SE	
				1°30'	W or E	
				2°50'	SW or NE	
529	"	11	9 ^h 45 ^m 27 ^s P.M.	9°00'	N or S	about 1 ^m 50 ^s
				8°50'	NW or SE	
				6°30'	W or E	
				4°10'	SW or NE	
530	"	12	8 ^h 23 ^m 47 ^s A.M.	0°10'	N or S	
				2°10'	NW or SE	
				1°10'	W or E	
				2°20'	SW or NE	

No.	Month	Date	Time	Force	Direction	Duration
531	V	19	0 ^h 28 ^m 48 ^s P.M.	1°10'	N or S	about 10 ^s
				3°00'	NW or SE	
				1°50'	W or E	
				0°10'	SW or NE	
532	"	"	11 ^h 34 ^m 45 ^s P.M.	0°10'	N or S	about 7 ^s
				0°40'	NW or SE	
				0°40'	W or E	
				0°50'	SW or NE	
533	"	27	11 ^h 10 ^m 50 ^s P.M.	2°20'	SW or NE	—
534	"	28	1 ^h 54 ^m 42 ^s P.M.	—	—	—
535	"	29	11 ^h 29 ^m 38 ^s P.M.	—	—	—
536	"	31	0 ^h 59 ^m 48 ^s P.M.	1°00'	NW or SE	—
				1°00'	W or E	
537	VI	11	11 ^h 11 ^m 02 ^s P.M.	6°00'	W or E	25 ^s
538	"	14	3 ^h 29 ^m 19 ^s A.M.	0°20'	NW or SE	—
				0°10'	W or E	
				0°10'	SW or NE	
539	"	15	0 ^h 6 ^m 25 ^s P.M.	—	—	—
540	"	18	11 ^h 19 ^m 16 ^s P.M.	—	—	—
541	VII	18.	2 ^h 10 ^m 00 ^s P.M.	2°00'	W or E	—
542	VIII	6	6 ^h 55 ^m 49 ^s P.M.	—	—	—
543	"	11	2 ^h 57 ^m 10 ^s A.M.	0°15'	N or S	—
				0°10'	NW or SE	
				1°10'	W or E	
544	"	22	4 ^h 05 ^m 00 ^s A.M.	—	—	—
545	"	30	7 ^h 24 ^m 51 ^s A.M.	—	—	—
546	IX	11	0 ^h 42 ^m 5 ^s A.M.	2°15'	W or E	—

No.	Month	Date	Time	Force	Direction	Duration
547	IX	21	5 ^h 15 ^m 32 ^s P.M.	2°00'	W or E	—
548	X	5	7 ^h 34 ^m 00 ^s A.M.	—	—	38 ^s
549	"	6	10 ^h 22 ^m 15 ^s A.M.	2°20'	NW or SE	12 ^s
				2°10'	W or E	
550	"	13	3 ^h 16 ^m 35 ^s A.M.	1°10'	NW or SE	40 ^s
				4°40'	W or E	
551	"	15	4 ^h 21 ^m 54 ^s A.M.	12°30'	N or E	2 ^m 00 ^s
				53°40'	NW or SE	
				48°30'	W or E	
				95°10'	SW or NE	
552	"	16	3 ^h 14 ^m 14 ^s A.M.	1°05'	W or E	about 30 ^s
				1°05'	SW or NE	
553	"	17	8 ^h 21 ^m 25 ^s A.M.	—	—	—
554	"	19	8 ^h 22 ^m 47 ^s P.M.	1°00'	NW or SE	—
				1°40'	W or E	
555	"	24	8 ^h 35 ^m 39 ^s P.M.	1°20'	W or E	about 20 ^s
556	XI	16	9 ^h 51 ^m 34 ^s A.M.	2°30'	N or S	19 ^s
				0°20'	NW or SE	
				3°40'	W or E	
				0°10'	SW or NE	
557	"	22	1 ^h 14 ^m 46 ^s A.M.	1°00'	N or S	10 ^s
				0°40'	NW or SE	
				3°20'	W or E	
558	"	23	about 10 ^h 50 ^m A.M.	—	—	—
559	"	"	about 9 ^h 00 ^m P.M.	—	—	—
560	"	24	about 3 ^h 00 ^m A.M.	—	—	—
561	"	27	1 ^h 37 ^m 53 ^s P.M.	3°00'	NW or SE	25 ^s

No.	Month	Date	Time	Force	Direction	Duration
				8°45'	W or E	
562	XI	28	2 ^h 41 ^m 34 ^s A.M.	4°40'	W or E	about 1 ^m 10 ^s
563	"	29	8 ^h 10 ^m 38 ^s A.M.	0°30'	W or E	1 ^m 37 ^s
564	XII	1	8 ^h 11 ^m 55 ^s A.M.	4°00'	W or E	1 ^m 05 ^s
565	"	7	4 ^h 20 ^m 14 ^s A.M.	1°00'	W or E	18 ^s
566	"	7	8 ^h 34 ^m 07 ^s P.M.	4°10'	N or S	50 ^s
				3°50'	NW or SE	
567	"	"	about 9 ^h P.M.	—	—	—
568	"	"	about 10 ^m P.M.	—	—	—
569	"	9	10 ^h 30 ^m 56 ^s P.M.	0°55'	SW or NE	47 ^s about 25 ^s
570	"	10	5 ^h 44 ^m 02 ^s A.M.	—	—	—
571	"	"	7 ^h 33 ^m 55 ^s A.M.	—	—	—
572	"	15	2 ^h 16 ^m 34 ^s A.M.	1°00'	W or E	7 ^s
				1°50'	SW or NE	
573	"	16	8 ^h 31 ^m 9 ^s P.M.	2°30'	N or S	1 ^m 00 ^s
				8°30'	NW or SE	
				5°30'	W or E	
				4°40'	SW or NE	
574		22	10 ^h 34 ^m 1 ^s A.M.	3°30'	N or S	25 ^s
				2°10'	NW or SE	
				2°10'	W or E	
				2°00'	SW or NE	
575	"	23	9 ^h 06 ^m 42 ^s A.M.	3°00'	W or E	26 ^s
				2°50'	SW or NE	
576	"	25	9 ^h 59 ^m 29 ^s P.M.	—	—	—
577	"	27	4 ^h 28 ^m 47 ^s P.M.	—	—	—
578	"	30	1 ^h 4 ^m 41 ^s A.M.	6°00'	N or S	49 ^s

No.	Month	Date	Time	Force	Direction	Duration
				6°00'	NW or SE	
				4°30'	W or E	
				5°20'	SW or NE	
	1885					
579	I	8	2 ^h 31 ^m 53 ^s A.M.	0°50'	N or S	1 ^m 20 ^s
				0°50'	NW or SE	
				2°55'	W or E	
				3°00'	SW or NE	
580	"	8	10 ^h 27 ^m 45 ^s A.M.	0°45'	N or S	50 ^s
				0°35'	NW or SE	
				0°30'	W or E	
				0°10'	SW or NE	
581	"	15	after 9 ^h P.M.	—	—	—
582	"	17	10 ^h 13 ^m 39 ^s A.M.	0°40'	N or S	5 ^s
				0°10'	W or E	
				1°00'	SW or NE	
583	"	17	11 ^h 20 ^m 41 ^s P.M.	0°25'	N or S	—
				1°00'	NW or SE	
				2°00'	W or E	
				0°10'	SW or NE	
584	"	24	9 ^h 20 ^m 04 ^s A.M.	2°20'	N or S	16 ^s
				2°40'	NW or SE	
				3°40'	W or E	
				2°20'	SW or NE	
585	"	31	11 ^h 54 ^m 8 ^s P.M.	1°00'	N or S	1 ^m 24 ^s
				0°40'	NW or SE	
				2°10'	W or E	

No.	Month	Date	Time	Force	Direction	Duration
586	II	2	4 ^h 8 ^m 11 ^s P.M.	4°20'	SW or NE	5 ^s
				2°30'	N or S	
				1°50'	NW or SE	
				2°20'	W or E	
587	"	4	7 ^h 52 ^m 7 ^s P.M.	10°00'?	SW or NE	43 ^s
				1°20'	N or S	
				0°20'	NW or SE	
588	"	6	9 ^h 40 ^m 27 ^s A.M.	2°10'	W or E	4 ^s
				0°30'	N or S	
				0°10'	SW or NE	
589	"	"	1 ^h 34 ^m 57 ^s P.M.	10°40'	N or S	57 ^s
				8°40'	NW or SE	
				7°00'	W or E	
				2°50'	SW or NE	
590	"	9	2 ^h 03 ^m 40 ^s A.M.	4°20'	N or S	—
				2°50'	NW or SE	
				3°00'	W or E	
				1°00'	SW or NE	
591	"	12	2 ^h 56 ^m 58 ^s P.M.	7°20'	N or S	1 ^m 58 ^s
				8°20'	NW or SE	
				10°00'	W or E	
592	"	19	after 4 ^h A.M.	—	—	—
593	"	27	1 ^h 37 ^m 29 ^s P.M.	1°30'	N or S	20 ^s
				2°00'	NW or SE	
				2°00'	W or E	
594	"	28	10 ^h 20 ^m 05 ^s P.M.	2°50'	N or S	—
595	III	8	after 7 ^h P.M.	0°10'	N or S	—

No.	Month	Date	Time	Force	Direction	Duration
596	III	12	4 ^h 08 ^m 13 ^s P.M.	1°00'	NW or SE	58 ^s
				0°30'	W or E	
				0°10'	SW or NE	
				4°20'	N or S	
				3°30'	NW or SE	
				2°50'	W or E	
				1°50'	SW or NE	
597	"	20	1 ^h 1 ^m 13 ^s P.M.	22°00'	N or S	1 ^m 14 ^s
				13°00'	NW or SE	
				21°00'	W or E	
				16°40'	SW or NE	
598	"	"	2 ^h 21 ^m 40 ^s P.M.	—	—	—
599	"	23	2 ^h 31 ^m 28 ^s A.M.	—	—	—
600	"	24	after 2 ^h A.M.	—	—	—
601	"	27	2 ^h 27 ^m 35 ^s P.M.	0°50'	NW or SE	5 ^s
				1°30'	W or E	
602	"	28	about 1 ^h 7 ^m A.M.	—	—	—
603	IV	7	after 2 ^h A.M.	—	—	—
604	"	23	11 ^h 52 ^m 24 ^s A.M.	—	—	about 10 ^s
605	"	24	7 ^h 01 ^m 53 ^s P.M.	—	—	about 36 ^s
606	"	25	after 1 ^h P.M.	—	—	—