

CATALOGUE OF EARTHQUAKES,
FEBRUARY, 1887, TO APRIL, 1890.

Recorded by the Gray-Milne Seismograph at the Imperial
Meteorological Observatory (Chiri Kioku), Tokio.

For the first portions of this Catalogue see Trans. Seis. Soc.
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No.	Month.	Day.	Time.	Period in secs.	Ampli- tude in mm.	Principal direction.	Duration: M. S.
710	I.	28	H. M. S. 3 54 8 p.m.	—	—	S. or N.	M. S. 20
711	II.	2	2 8 14 p.m.	2'0	0'4	W. 26° 50' S.	2 30
712	II.	22	1 30 48 a.m.	—	—	—	—
713	II.	25	3 41 0 p.m.	—	—	E. or W.	—
714	II.	27	8 11 11 a.m.	—	—	E. or W.	—
715	III.	2	5 33 21 p.m.	—	—	—	—
716	III.	10	1 31 37 p.m.	0'8	1'0	S. 59° 30' E.	20
717	III.	20	11 32 56 p.m.	—	—	N. or S.	—
718	IV.	4	8 46 0 a.m.	—	—	N.E. or S.W.	—
719	IV.	9	11 49 54 a.m.	—	—	E. or W.	—
720	IV.	9	3 1 54 p.m.	—	—	E. or W.	0 15
721	IV.	15	10 18 0 a.m.	—	—	S. or N.	—
722	IV.	16	3 41 55 a.m.	1'6	0'3	S. 37° 30' E.	1 0
723	IV.	18	11 25 0 p.m.	—	—	—	—
724	IV.	27	9 30 38 p.m.	—	—	—	—
725	IV.	29	11 12 10 a.m.	3'0	1'2	S. 22° E.	0 0
726	V.	2	11 25 40 a.m.	0'3	0'3	E. ° 33N.	30
727	V.	5	2 35 10 a.m.	0'5	0'4	S. 38° 30' W.	20
728	V.	6	3 49 58 p.m.	—	—	—	—
729	V.	7	7 12 3 a.m.	2'6	0'9	S. 29° 40' E.	2 30
730	V.	7	8 44 22 a.m.	—	—	—	1 50
731	V.	9	0 9 14 a.m.	3'0	0'3	S. or N.	2 0
732	V.	9	4 33 7 p.m.	—	—	—	—
733	V.	17	4 19 44 p.m.	0'3	0'2	S. or N.	0 20
734	V.	21	9 46 20 p.m.	0'7	0'5	S. or N.	0 30
735	V.	29	0 50 57 a.m.	0'8	1'8	S.E. or N.W.	3 25
736	V.	29	1 10 44 a.m.	1'0	1'1	S.E. or N.W.	2 30
737	V.	29	3 41 26 a.m.	—	—	E. or W.	0 35
738	V.	29	6 47 21 a.m.	—	—	S. or N.	0 40
739	V.	29	8 7 9 a.m.	—	—	—	—
740	VI.	17	1 41 41 a.m.	very slight	—	—	—
741	VI.	20	8 16 57 a.m.	1'8	0'6	S. 26° W.	1 30
742	VI.	21	2 2 35 p.m.	slight	—	E. W.	0 10

No.	Month.	Day.	Time.	Period in secs.	Ampli- tude in mm.	Direction.	Duration. M. S.
743	VI.	22	7 42 39 a.m.	very	slight	—	—
744	VI.	30	8 0 35 a.m.	very	slight	—	—
745	VII.	1	2 41 49 p.m.	very	slight	—	—
746	VII.	2	3 12 26 p.m.	0·8	0·5	S. 22° E.	1 30
			ver'cal motion=	very	slight	—	—
747	VII.	11	3 7 42 p.m.	very	slight	—	—
748	VII.	11	12 17 17 p.m.	very	slight	—	—
749	VII.	22	8 27 0 p.m.	0·9	1·7	S.S.W.-N.N.E.	3 34
750	VII.	27	5 14 29 p.m.	very	slight	—	1 30
751	VIII.	6	6 47 42 p.m.	very	slight	—	—
752	VIII.	15	0 59 15 a.m.	1·5	1·1	E.S.E.-W.N.W.	3 0
753	IX.	2	5 52 49 p.m.	0·7	0·4	E.-W.	0 10
			ver'cal motion=	very	slight	—	—
754	IX.	3	4 50 30 a.m.	very	slight	—	—
755	IX.	5	3 23 23 p.m.	2·3	25·7	S.E.-N.W.	6 0
			ver'cal motion=	0·8	6·5	—	—
756	IX.	6	8 12 50 a.m.	—	0·4	E. 26° S.	0 40
757	IX.	8	3 55 30 p.m.	very	slight	—	—
758	IX.	11	6 20 0 a.m.	very	slight	E.-W.	0 25
759	IX.	13	8 16 52 p.m.	1·2	0·2	E. 38° N.	0 12
760	IX.	15	4 41 41 p.m.	0·3	0·2	E.-W.	0 3
761	IX.	25	8 56 11 a.m.	1·8	1·0	E.S.E.-W.N.W.	2 0
			ver'cal motion=	slight	—	—	—
762	XI.	15	3 54 51 p.m.	2·4	0·6	E. 26° 30' S.	2 0
763	XI.	20	0 2 31 p.m.	0·5	0·2	N. 17° E.	0 45
764	XI.	20	ab. 9 45 0 p.m.	very	slight	—	—
765	XI.	23	ab. 6 5 0 p.m.	very	slight	—	—
766	XI.	30	9 24 18 a.m.	1·2	1·3	S.S.E.-N.N.W.	1 30
767	XII.	5	0 57 16 p.m.	very	slight	—	0 15
768	XII.	8	8 2 0 p.m.	0·5	0·4	S.W.-N.E.	0 50
769	XII.	11	9 55 47 p.m.	very	slight	—	—
770	XII.	14	11 55 12 a.m.	2·3	0·2	S.-N.	2 12
771	XII.	14	10 55 9 p.m.	2·0	0·3	S.S.E.-N.N.W.	2 30
772	XII.	16	8 28 21 a.m.	1·5	2·5	W.N.W.-E.S.E.	2 0
			ver'cal motion=	0·4	0·3	—	—
773	XII.	17	0 17 8 a.m.	slight	—	—	0 10
774	XII.	17	6 17 22 a.m.	very	slight	—	—
775	XII.	17	11 41 14 p.m.	0·6	0·2	E.-W.	0 10
776	XII.	19	6 0 20 p.m.	very	slight	—	—
777	XII.	21	2 5 55 p.m.	very	slight	—	0 15
778	XII.	24	4 9 41 a.m.	very	slight	—	—
779	XII.	24	7 51 38 a.m.	2·0	0·2	S.W.-N.E.	abt. 1·0
780	XII.	31	1 24 45 a.m.	very	slight	—	—
			^{1888.}	—	—	—	—
781	I.	1	3 31 38 p.m.	very	slight	—	—
782	I.	11	8 50 36 a.m.	1·8	0·4	E.S.E.-W.N.W.	1 0
783	I.	14	5 31 55 p.m.	slight	—	E.-W.	0 15
			ver'cal motion=	very	slight	—	—

No.	Month.	Day.	Time.	Period in secs.	Ampli- tude in mm.	Direction.	Duration.
784	I.	27	H. M. S. 10 5 33 p.m.	very slight		S.-N.	abt. 0.10
785	II.	2	1 11 15 p.m.	3'7	13'0	W.N.W.-E.S.E.	3 48
			vertical motion	—	0'5	—	—
786	II.	2	2 23 46 p.m.	1'4	0'7	E.-W.	1 49
787	II.	2	3 0 14 p.m.	very slight		—	—
788	II.	2	3 41 27 p.m.	2'4	3'8	W.S.W.-E.N.E.	4 5
789	II.	5	0 50 56 a.m.	2'1	1'6	S.W.-N.E.	abt. 1.0
790	II.	10	3 26 55 p.m.	very slight		N.E.-S.W.	0 10
791	II.	10	6 38 7 p.m.	very slight		E.-W.	0 12
792	II.	11	3 38 56 p.m.	very slight		—	—
793	II.	13	11 33 44 a.m.	slight		S.-N.	0 25
794	II.	15	3 43 38 p.m.	very slight		E.-W.	0 30
795	II.	17	0 16 17 p.m.	very slight		E.-W.	0 50
796	II.	18	6 13 45 p.m.	very slight		E.-W.	0 15
797	II.	22	10 24 43 a.m.	3'2	0'7	E.-W.	1 30
798	II.	23	11 10 50 p.m.	very slight		S.-N.	0 10
799	II.	24	2 7 6 a.m.	very slight		E.-W.	—
800	III.	1	3 30 15 p.m.	slight		W.S.W.-E.N.E.	1 15
801	III.	1	9 54 12 p.m.	slight		S.-N.	0 30
802	III.	9	4 54 16 a.m.	0'2	0'4	N.N.W.-S.S.E.	0 25
803	III.	9	10 17 1 p.m.	very slight		—	—
804	III.	16	5 58 2 a.m.	0'8	0'2	S.E.-N.W.	0 30
805	III.	16	6 43 32 a.m.	0'8	0'4	S.E.-N.W.	2 50
806	III.	17	7 55 36 p.m.	very slight		—	—
807	IV.	1	6 17 8 a.m.	very slight		—	—
808	IV.	5	2 30 29 p.m.	0'7	1'2	S.E.-N.W.	2 0
			vertical motion	0'3	0'5	—	—
809	IV.	8	2 22 32 p.m.	very slight		—	—
810	IV.	16	11 6 43 p.m.	very slight		—	—
811	IV.	27	8 34 34 a.m.	1'5	0'2	S.W.-N.E.	2 0
812	IV.	29	10 0 33 a.m.	0'8	5'6	S.E.-N.W.	8 0
			vertical motion=	0'6	1'5	—	—
813	IV.	30	5 44 38 a.m.	very slight		E.-W.	—
814	V.	5	8 52 24 p.m.	very slight		—	—
815	V.	8	4 7 56 a.m.	very slight		—	—
816	V.	8	4 51 41 a.m.	slight		—	—
817	V.	10	10 12 0 a.m.	very slight		—	—
818	V.	13	4 51 52 a.m.	0'5	0'2	N.W.-S.E.	abt. 0.10
819	V.	13	11 17 41 p.m.	very slight		—	—
820	V.	22	6 9 20 p.m.	2'6	1'5	E.S.E.-W.N.W.	4 30
			vertical motion=	0'7	0'2	—	—
821	V.	24	9 35 37 a.m.	slight		E.-W.	1 0
822	V.	24	11 45 5 a.m.	very slight		—	—
823	V.	26	6 17 14 p.m.	very slight		—	—
824	V.	27	7 5 9 p.m.	very slight		—	—
825	VI.	3	7 53 8 a.m.	1'3	1'5	W.N.W.-E.S.E.	3 0

No.	Month.	Day.	Time.	Period in secs.	Ampli- tude in mm.	Direction.	Duration.
826	VI.	12	9 6 27 p.m.	1.2	0.4	S. 21° 30' E.	0 20
827	VI.	15	0 21 25 a.m.	very	slight	—	—
828	VI.	18	2 20 31 p.m.	0.8	0.3	(S.E.-N.W.) N. 35° 30' W.	1 40
829	VI.	18	3 17 6 p.m.	very	slight	—	—
830	VI.	18	9 57 14 p.m.	very	slight	—	—
831	VI.	19	6 29 57 a.m.	0.8	0.2	E.-W.	abt. 0.20
832	VI.	22	7 6 25 a.m.	very	slight	—	—
833	VI.	24	11 8 20 p.m.	very	slight	E.-W.	0 10
834	VII.	2	4 51 56 a.m.	very	slight	—	—
835	VII.	7	9 37 37 a.m.	slight	—	E.-W.	3 0
836	VII.	7	5 25 43 p.m.	slight	—	—	1 0
837	VII.	11	3 38 35 p.m.	very	slight	—	—
838	VII.	14	7 31 59 a.m.	slight	—	—	—
839	VII.	14	4 42 44 p.m.	2.4	0.6	S.S.W.-N.N.E.	3 0
840	VII.	22	2 27 48 a.m.	very	slight	—	—
841	VII.	24	7 57 43 a.m.	very	slight	—	—
842	VII.	29	9 48 21 p.m.	1.0	0.2	E.-W.	1 30
			vertical motion	very	slight	—	—
843	VIII.	1	9 25 18 p.m.	0.8	0.2	E.-W.	1 30
844	VIII.	11	9 31 42 a.m.	slight	—	—	—
845	VIII.	12	11 42 27 a.m.	1.2	0.4	S.S.W.-N.N.E.	3 0
846	VIII.	17	3 49 50 a.m.	1.0	0.2	E.-W.	1 10
847	VIII.	18	1 22 0 a.m.	very	slight	—	—
848	VIII.	19	9 19 26 a.m.	very	slight	—	—
849	VIII.	19	11 47 25 a.m.	very	slight	—	—
850	IX.	2	5 45 0 a.m.	very	slight	E.-W.	0 30
851	IX.	4	5 10 0 a.m.	very	slight	—	—
852	IX.	4	1 36 11 p.m.	very	slight	—	—
853	IX.	5	0 6 35 a.m.	very	slight	—	—
854	IX.	6	4 9 25 a.m.	very	slight	—	—
855	IX.	10	9 22 0 a.m.	very	slight	—	—
856	IX.	11	8 34 54 a.m.	0.4	0.4	E.-W.	0 25
			vertical motion	slight	—	—	—
857	IX.	18	2 45 39 a.m.	slight	—	E.-W.	0 30
858	IX.	24	5 24 30 a.m.	very	slight	E.-W.	0 20
859	IX.	24	5 37 13 p.m.	very	slight	—	—
860	IX.	28	7 5 21 a.m.	very	slight	E.-W.	0 30
861	X.	9	1 7 55 a.m.	slight	—	—	—
862	X.	10	4 20 24 p.m.	slight	—	—	0 30
863	X.	12	7 40 56 a.m.	slight	—	—	—
864	X.	20	6 15 16 a.m.	0.5	1.2	N.N.E.-S.S.W.	2 0
			vertical motion	0.5	0.5	—	—
865	XI.	2	1 48 1 p.m.	0.8	0.3	E.-W.	1 0
866	XI.	3	0 51 14 a.m.	0.5	0.3	E.-W.	1 30
			vertical motion	slight	—	—	—
867	XI.	3	8 13 33 a.m.	0.4	1.9	S.W.-N.E.	4 30

No.	Month.	Day.	Time.	Period in sec.	Amplitude in mm.	Direction.	Duration.
							M. S.
			H. M. S.				
			vertical motion	0.4	0.5	—	—
868	XI.	5	4 22 55 a.m.	very slight	—	—	—
869	XI.	6	4 38 37 a.m.	2.2	0.2	—	3 0
870	XI.	7	10 27 34 p.m.	3.5	0.5	E.-W.	4 0
871	XI.	10	1 37 44 p.m.	1.8	0.3	W.N.W.-E.S.E.	1 30
872	XI.	16	0 42 52 a.m.	very slight	—	—	—
873	XI.	20	0 53 29 a.m.	0.9	0.2	E.-W.	2 30
874	XI.	22	1 27 43 p.m.	very slight	—	—	—
875	XI.	23	5 13 30 p.m.	very slight	—	—	—
876	XI.	24	2 3 23 a.m.	1.4	0.4	N.W.-S.E.	4 0
877	XI.	25	4 50 15 p.m.	0.5	0.2	E.-W.	0 15
878	XII.	3	0 24 47 p.m.	1.8	0.2	S.E.-N.W.	2 0
879	XII.	6	7 27 42 a.m.	very slight	—	—	—
880	XII.	16	4 19 3 a.m.	slight	—	S.-N.	0 20
881	XII.	28	3 28 4 a.m.	1.7	0.2	E.-W.	0 35
			1889.				
882	I.	1	3 4 50 p.m.	0.3	0.5	S.W.-N.E.	0 12
			vertical motion	very slight	—	—	—
883	I.	1	7 5 30 p.m.	0.15	1.1	S.W.-N.E.	1 55
			vertical motion	0.3	0.5	—	—
884	I.	3	7 58 6 a.m.	1.5	0.8	E.-W.	2 0
885	I.	12	8 34 3 p.m.	very slight	—	—	—
886	I.	27	2 28 47 p.m.	very slight	—	—	—
887	II.	5	2 27 39 p.m.	slight	—	S.-N.	0 5
888	II.	6	3 20 5 p.m.	slight	—	E.-W.	2 0
889	II.	9	7 41 38 a.m.	very slight	—	S.-N.	0 10
890	II.	15	5 14 3 p.m.	very slight	—	—	—
891	II.	18	6 9 32 a.m.	2.2	20.3	(N.W.-S.E. S. 42° 10' E.)	6 12
			vertical motion	0.6	3.7	—	—
892	II.	18	6 27 45 a.m.	—	0.2	S.W.-N.E.	2 0
893	II.	18	7 48 52 a.m.	slight	—	E.-W.	2 0
894	II.	18	ab. 8 2 0 a.m.	very slight	—	—	—
895	II.	18	10 10 56 a.m.	slight	—	S.E.-N.W.	0 30
896	II.	19	2 57 43 p.m.	slight	—	S.-N.	0 15
897	II.	20	9 19 37 p.m.	very slight	—	—	—
898	II.	21	5 52 21 a.m.	slight	—	E.-W.	0 15
899	II.	21	8 19 23 a.m.	slight	—	S.-N.	0 20
900	II.	21	11 1 4 a.m.	very slight	—	—	0 30
901	II.	21	9 27 52 p.m.	slight	—	S.-N.	0 15
902	II.	23	11 27 21 p.m.	slight	—	S.-N.	0 13
903	III.	3	4 35 19 p.m.	—	0.2	E.-W.	0 30
904	III.	4	7 24 25 a.m.	slight	—	—	—
905	III.	18	6 41 12 a.m.	—	—	S.-N.	—
906	III.	21	6 09 23 p.m.	—	—	—	—
907	III.	26	2 41 48 p.m.	—	—	—	—
908	III.	28	1 20 10 a.m.	0.6	4.1	E.S.E.-W.N.W.	1 30
			vertical motion	0.3	0.6	—	—

No.	Month.	Day.	Time.	Period in sec.	Amplitude in mm.	Direction.	Duration.
909	III.	28	H. M. S. 10 22 55 a.m. vertical motion	0.5 0.4	0.5 0.1	S.E.-N.W.	M. S. 1 15
910	III.	28	7 18 23 p.m.	0.2	0.2	E.-W.	0 20
911	III.	31	6 42 15 a.m. vertical motion	2.5 0.6	3.8 0.2	S.S.E.-N.N.W.	4 00
912	III.	31	8 13 03 a.m.	very slight	—	—	—
913	III.	31	5 59 42 p.m. vertical motion	0.7 very slight	1.2 —	S.W.-N.E.	2 00
914	IV.	3	4 27 21 p.m. vertical motion	0.7 0.3	1.5 0.2	S.E.-N.W.	1 30
915	IV.	3	4 40 51 p.m.	very slight	—	—	—
916	IV.	6	7 40 13 a.m. vertical motion	0.5 very slight	0.3 —	S.W.-N.E.	0 50
917	IV.	8	0 48 00 p.m.	very slight	—	—	—
918	IV.	14	5 22 54 a.m.	very slight	—	—	—
919	IV.	17	9 41 43 p.m.	very slight	—	—	—
920	IV.	18	2 07 42 p.m. vertical motion	1.0 0.7	0.8 0.2	E.S.E.-W.N.W.	—
921	IV.	18	2 54 11 p.m.	very slight	—	—	—
922	IV.	18	3 39 08 p.m.	0.9	0.3	S.E.-N.W.	—
923	IV.	18	4 00 01 p.m.	very slight	—	—	—
924	IV.	19	0 18 46 a.m.	very slight	—	—	—
925	IV.	19	2 29 19 a.m.	very slight	—	—	—
926	IV.	29	3 00 27 p.m.	0.6	0.2	S.W.-N.E.	0 50
927	IV.	29	5 50 39 p.m.	0.6	0.2	E.-W.	1 30
928	IV.	29	10 53 55 p.m.	very slight	—	—	—
929	IV.	20	4 50 33 p.m.	very slight	—	—	—
930	IV.	28	3 07 43 a.m. vertical motion	slight very slight	—	E.-W.	0 30
931	IV.	29	1 56 28 a.m. vertical motion	slight very slight	—	E.-W.	0 20
932	V.	6	11 41 41 p.m. vertical motion	0.5 very slight	0.4 —	S.S.W.-N.N.E.	1 00
933	V.	8	5 05 34 a.m. vertical motion	slight slight shock	—	S.-N.	0 30
934	V.	8	0 24 07 p.m.	very slight	—	—	—
935	V.	12	10 42 11 a.m.	2.0	0.6	S.S.E.-N.N.W.	2 00
936	V.	17	6 39 15 a.m.	very slight	—	—	—
937	V.	17	8 34 25 a.m.	very slight	—	—	—
938	V.	17	9 20 35 a.m.	very slight	—	—	—
939	V.	17	9 39 37 a.m.	very slight	—	—	—
940	V.	17	1 46 32 p.m.	slight	—	—	0 30
941	V.	20	0 23 30 p.m.	very slight	—	—	—
942	V.	27	6 22 56 p.m.	very slight	—	E.-W.	0 12
943	V.	28	5 26 22 a.m.	slight	—	E.-W.	0 15
944	V.	30	10 27 22 p.m.	0.8	0.4	S.E.-N.W.	2 00
945	VI.	1	6 15 21 p.m.	0.5	0.2	E.-W.	0 25

No.	Month.	Day.	Time.	Period in sec.	Amplitude in mm.	Direction.	Duration.
			H. M. S.				M. S.
946	VI.	3	1 51 30 p.m.	slight	—	—	—
947	VI.	14	0 26 41 p.m.	slight	—	—	—
948	VI.	15	10 10 02 a.m.	slight	—	—	0 50
949	VI.	16	2 31 24 p.m.	slight	S.E.-N.W.	—	0 30
950	VI.	20	9 51 10 p.m.	0.6	0.5	S.E.-N.W.	1 30
951	VI.	27	7 09 17 a.m.	2.5	0.5	E.-W.	1 00
952	VII.	3	5 39 58 a.m.	0.5	0.3	E.-W.	0 40
			vertical motion	very slight	—	—	—
953	VII.	5	6 22 31 p.m.	very slight	—	—	—
954	VII.	5	8 57 09 p.m.	very slight	—	—	—
955	VII.	18	10 33 18 p.m.	slight	S.-N.	—	0 35
956	VII.	30	2 03 40 a.m.	slight	E.-W.	—	0 10
957	VIII.	2	10 21 06 a.m.	0.5	1.3	S.E.-N.W.	1 30
			vertical motion	0.3	0.4	—	—
958	VIII.	4	2 36 12 p.m.	very slight	—	—	—
959	VIII.	5	7 04 56 a.m.	1.1	1.7	E.S.E.-W.N.W.	4 20
960	VIII.	15	0 06 21 p.m.	slight	—	—	—
961	VIII.	20	5 20 23 p.m.	0.8	0.3	S.-N.	0 50
962	VIII.	21	1 07 44 p.m.	slight	—	—	—
963	VIII.	26	3 27 13 p.m.	0.6	1.4	E.-W.	1 00
			vertical motion	0.4	0.2	—	—
964	VIII.	30	3 06 22 p.m.	1.0	0.4	E.S.E.-W.N.W.	3 30
965	IX.	11	7 14 03 p.m.	slight	—	—	—
966	IX.	15	2 34 06 a.m.	slight	—	—	—
967	IX.	16	6 37 30 a.m.	0.7	1.3	W.S.W.-E.N.E.	1 30
			vertical motion	slight	—	—	—
968	IX.	17	2 04 28 a.m.	very slight	—	—	—
969	IX.	20	10 27 01 a.m.	slight	—	—	—
970	IX.	22	1 56 33 a.m.	very slight	—	—	—
971	IX.	30	7 41 27 a.m.	very slight	—	—	—
972	X.	1	6 07 20 a.m.	very slight	—	—	—
973	X.	7	7 41 18 p.m.	very slight	—	—	—
974	X.	10	6 47 27 a.m.	slight	—	—	—
975	X.	13	10 50 24 p.m.	2.0	2.2	S.E.-N.W.	2 00
			vertical motion	0.6	0.4	—	—
976	X.	14	11 08 10 p.m.	0.4	0.2	E.-W.	1 00
977	X.	16	4 10 48 a.m.	very slight	—	—	—
978	X.	25	11 16 03 a.m.	very slight	—	—	—
979	X.	28	2 16 52 a.m.	0.9	1.2	S.E.-N.W.	2 00
			vertical motion	slight	—	—	—
980	XI.	14	0 30 50 p.m.	very slight	—	—	—
981	XI.	15	8 48 40 p.m.	slight	—	—	—
982	XI.	17	1 57 56 p.m.	slight	—	—	—
983	XI.	18	8 31 39 a.m.	slight	—	—	—
984	XI.	18	1 35 01 p.m.	very slight	—	—	—
985	XI.	20	0 56 34 a.m.	0.9	0.2	S.-N.	0 50
986	XI.	21	2 05 32 a.m.	0.6	0.2	N.E.-S.W.	0 30

No.	Month.	Day.	Time.	Period in sec.	Amplitude in mm.	Direction.	Duration.
987	XI.	21	H. M. S. 1 50 05 p.m.	slight	—	—	M. S. 2 30
988	XI.	25	2 34 08 a.m.	0.5	0.3	N.E.-S.W.	0 16
989	XII.	9	0 03 14 p.m.	slight	—	—	0 15
990	XII.	11	5 14 17 a.m.	very slight	—	—	—
991	XII.	26	8 14 11 p.m.	very slight	—	—	—
992	XII.	28	10 17 55 p.m.	0.3	0.5	E.-W.	1 05
983	XII.	29	11 10 19 a.m.	slight	—	—	—
994	XII.	31	1 05 13 p.m.	2.8	2.1	E.S.E.-W.N.W.	5 20
			vertical motion 1890.	slight	—	—	—
995	I.	7	7 44 37 a.m.	slight	—	S.-N.	0 40
996	I.	7	3 43 25 p.m.	3.0	2.0	S.E.-N.W.	5 00
997	I.	12	4 15 33 a.m.	very slight	—	—	—
998	I.	29	11 28 03 p.m.	0.7	0.3	E.-W.	0 57
999	I.	30	8 35 31 a.m.	very slight	—	—	—
1000	II.	13	9 48 16 p.m.	0.2	0.2	E.-W.	0 30
1001	II.	18	5 31 10 a.m.	slight	—	—	—
1002	II.	18	9 50 06 a.m.	slight	—	—	—
1003	II.	21	2 44 13 a.m.	slight	—	E.-W.	0 40
1004	II.	24	0 47 02 a.m.	0.8	0.2	S.E.-N.W.	0 30
1005	III.	7	4 21 42 a.m.	0.4	0.2	E.-W.	0 20
1006	III.	11	11 07 02 a.m.	slight	—	—	0 30
1007	III.	11	7 53 49 p.m.	0.2	0.4	E.S.E.-W.N.W.	1 00
1008	III.	18	3 16 40 p.m.	slight	—	—	0 20
1009	III.	26	6 57 55 a.m.	slight	—	—	—
1010	III.	28	2 22 37 p.m.	slight	—	—	—
1011	IV.	5	0 20 00 p.m.	slight	—	—	—
1012	IV.	11	3 08 02 a.m.	0.9	0.4	E.-W.	1 05
1013	IV.	16	9 34 47 p.m.	2.9	22.4	S.E.-N.W.	7 00
			vertical motion.	0.6	0.2	—	—
1014	IV.	16	11 40 03 p.m.	slight	—	—	—
1015	IV.	17	4 56 45 a.m.	3.8	7.8	S.E.-N.W.	8 00
			vertical motion.	slight	—	—	—
1016	IV.	17	5 11 03 a.m.	slight	—	—	—
1017	IV.	17	6 42 36 a.m.	3.4	3.3	S.E.-N.W.	6 30
1018	IV.	17	3 21 38 p.m.	slight	—	—	—
1019	IV.	17	10 25 15 p.m.	2.5	1.2	S.E.-N.W.	3 30
1020	IV.	18	5 38 37 p.m.	slight	—	—	—
1021	IV.	18	7 15 57 p.m.	slight	—	—	—
1022	IV.	18	11 03 00 p.m.	slight	—	—	—
1023	IV.	19	9 45 52 a.m.	slight	—	—	—
1024	IV.	19	1 07 37 p.m.	slight	—	—	—
1025	IV.	27	8 36 48 p.m.	slight	—	—	—