

**TABLE IV. LIST OF THE ASAMA VOLCANIC DISTURBANCES
INSTRUMENTALLY REGISTERED AT THE ASAMA-YAMA
(YUNO-TAIRA) SEISMOLOGICAL OBSERVATORY.
MAY 1ST TO NOV. 1ST, 1916.**

[A]....VOLCANIC EARTHQUAKE NOT ACCOMPANIED BY ERUPTION.

[B]....EARTH SHAKING CAUSED BY VOLCANIC ERUPTION.

(2a denotes the maximum range of motion, in micron.)

Each of the disturbances marked with an asterisc (*) was an earthquake of origin situated, not directly under, but at some short distance from, the volcano.

Date (1916).	Time of Occurrence.	Duration of Prelimi- nary Tremor.	Max. 2a.		Total Dura- tion.	Remark.
			Longi- tudinal.	Trans- verse.		
MAY 4	0 47 19 a.m.	0.0	18	—	13	A
8	9 53 08 „	0.5	167	168	53	A, sensible.
16	4 03 23 „	0.5	15	5	10	A
„	4 03 34 „	0.0	15	15	10	„
„	4 08 42 „	0.3	23	—	5	„
18	10 15 48 „	1.4	18	—	60	*
20	0 49 18 p.m.	0.2	25	—	12	A
23	5 03 37 „	0.3	6	—	12	„
25	7 22 58 „	0.0	33	—	11	„
26	6 07 18 a.m.	0.4	67	35	25	A, sensible.
„	6 42 42 „	0.25	15	—	4	A
29	11 47 40 p.m.	0.5	8	—	15	„
30	5 15 49 a.m.	1.3	10	—	27	*
„	11 14 43 p.m.	1.2	17	—	34	*
JUNE 5	9 05 53 „	0.5	23	13	20	A, sensible.
20	11 45 33 a.m.	0.5	28	13	13	A
22	10 56 47 „	0.5	25	7	7	„
24	7 36 49 „	—	37	—	28	„
„	8 53 25 „	—	7	—	6	„
JULY 4	0 22 19 p.m.	0.57	75	92	68	A, sensible.
„	0 23 55 „	0.33	133	86	74	„ „
10	3 57 28 a.m.	1.3	8	8	—	*
„	3 57 42 „	—	4	4	40	*
13	10 23 28 p.m.	0.2	17	6	4	A
15	8 52 30 „	0.6	173	145	—	A, sensible.
„	8 52 38 „	—	293	142	—	„ „
„	8 53 09 „	0.7	35	17	—	A
20	8 36 49 a.m.	1.2	28	23	67	Sensible *
21	10 56 01 p.m.	1.3	39	43	55	Sensible *
26	6 15 02 „	0.4	8	7	20	A

Date (1916).	Time of Occurrence.	Duration of Prelimi- nary Tremor.	Max. 2a.		Total Dura- tion.	Remark.
			Longi- tudinal.	Trans- verse.		
JULY 27	1 15 00 a.m.	sec. —	μ 2	μ 1	sec. 6	A
"	1 15 20 "	0.5	21	20	—	A, sensible.
"	1 15 22 "	—	23	25	—	" "
"	1 15 27 "	—	9	8	—	A
"	1 15 29 "	—	155	120	85	A, sensible.
"	2 10 17 "	—	1	2	—	A
"	2 10 28 "	—	2	3	—	"
"	2 10 33 "	—	8	7	9	"
"	9 54 49 p.m.	0.9	6	—	14	"
28	2 31 12 "	—	5	—	4	"
AUG. 2	5 27 07 p.m.	0.6	43	25	—	"
"	5 27 10 "	—	25	12	20	"
3	1 46 08 "	0.6	12	10	10	"
5	3 30 03 a.m.	0.5	14	10	10	"
10	2 50 27 p.m.	0.8	15	10	18	*
15	5 51 10 a.m.	0.4	60	50	} 6	A, sensible.
"	5 51 13 "	—	7	10		A
"	7 43 28 "	0.8	130	130	80	A, sensible.
"	7 55 10 "	0.6	130	65	90	" "
"	8 45 35 p.m.	0.6	50	72	80	" "
17	3 17 23 "	0.5	150	90	20	" "
"	3 19 03 "	0.3	38	30	4	A
"	8 36 54 "	0.5	22	45	13	"
21	1 44 19 "	0.7	8	8	8	"
24	10 19 24 a.m.	1.2	5	3	18	*
25	10 18 34 "	0.5	10	—	8	A
30	0 08 10 p.m.	0.5	13	10	7	"
"	7 50 43 "	0.6	60	50	10	A, sensible.
31	0 28 48 a.m.	0.0	16	17	—	A
"	0 28 50 "	0.0	10	—	—	"
"	0 28 51 "	—	13	8	—	"
"	0 28 55 "	0.5	68	45	—	A, sensible.
"	0 28 59 "	0.5	41	47	—	" "
"	0 29 04 "	—	159	133	28	" "
"	0 29 32 "	0.5	26	14	10	A
SEPT. 1	10 55 58 "	0.3	5	5	6	"
"	11 20 10 "	0.5	10	14	11	"
"	11 21 18 "	0.4	35	28	42	A, sensible.
"	0 25 35 p.m.	0.2	11	11	12	A
"	0 45 39 "	0.2	9	13	8	"

Date (1916).	Time of Occurrence.	Duration of Prelimi- nary Tremor.	Max. 2a.		Total Dura- tion.	Remark.
			Longi- tudinal.	Trans- verse.		
SEPT. 1	0 45 55 p.m.	sec. 0.4	μ 7	μ 3	sec. 8	A
"	8 01 22 "	0.6	82	82	54	A, sensible.
"	9 48 56 "	0.5	37	30	35	" "
"	10 34 24 "	0.4	6	5	6	A
3	6 23 49 a.m.	—	6	—	7	"
"	11 20 08 "	0.8	11	—	13	"
4	3 02 14 p.m.	—	2	2	6	"
"	3 02 27 "	—	3	2	6	"
"	3 03 09 "	0.6	37	25	16	A, sensible.
"	3 05 23 "	0.5	88	68	53	" "
"	5 38 39 "	—	4	3	7	A
"	5 41 54 "	0.4	7	6	9	"
"	5 42 03 "	—	4	2	6	"
"	5 42 41 "	—	7	3	10	"
"	5 43 12 "	—	19	16	10	"
"	5 44 05 "	—	7	5	6	"
"	5 44 11 "	0.4	7	3	6	"
"	5 44 23 "	0.4	213	135	—	A, sensible.
"	5 44 59 "	0.0	39	24	23	A
"	5 46 26 "	—	3	1	10	"
"	5 46 51 "	0.3	6	2	5	"
"	5 46 57 "	0.3	75	75	14	A, sensible.
"	5 47 11 "	—	7	4	9	A
"	7 27 52 "	0.6	25	11	10	"
"	7 28 47 "	0.5	31	21	17	A, sensible.
"	7 29 04 "	0.3	51	38	12	" "
"	7 33 04 "	—	7	2	6	A
"	9 13 26 "	0.3	6	2	5	"
"	10 11 50 "	0.5	37	26	41	A, sensible.
"	10 13 41 "	0.7	51	34	42	" "
6	1 23 38 "	0.5	12	5	6	A
"	1 24 20 "	0.4	135	108	28	A, sensible.
"	1 27 30 "	0.3	39	42	10	" "
8	4 52 11 "	0.7	20	24	12	A
"	4 52 29 "	0.6	23	15	30	"
9	1 43 26 "	0.6	12	12	12	"
13	5 18 46 a.m.	0.7	70	85	37	A, sensible.
"	3 24 38 p.m.	1.3	52	34	29	Sensible *
14	9 37 36 a.m.	0.4	19	—	10	A
15	9 56 43 p.m.	0.7	54	32	78	A, sensible.

Date (1916).	Time of Occurrence.	Duration of Prelimi- nary Tremor.	Max. 2a.		Total Dura- tion.	Remark.
			Longi- tudinal.	Trans- verse.		
SEPT. 17	6 20 47 p.m.	sec. 0.6	μ 65	μ 53	sec. 23	A, sensible.
21	3 06 40 "	1.3	56	47	114	Sensible *
"	4 27 48 "	1.3	40	29	} 107	Sensible *
"	4 28 26 "	—	8	6		*
22	1 21 46 "	—	22	13	18	A
25	2 44 52 a.m.	1.3	13	31	34	*
"	3 37 28 "	1.3	15	14	39	*
26	6 31 23 p.m.	0.5	4	—	8	A
27	2 35 16 a.m.	0.7	63	57	28	A, sensible.
28	9 59 06 p.m.	—	7	7	6	A
OCT. 1	5 07 31 p.m.	—	9	3	14	"
2	6 56 26 a.m.	—	2	2	73	B
"	10 18 24 "	—	6	2	6	A
"	1 55 29 p.m.	—	1	1	44	B
"	10 53 27 "	0.6	6	3	6	A
4	3 49 16 "	0.0	17	—	14	"
5	6 20 01 a.m.	0.8	44	38	12	A, sensible.
"	6 20 13 "	0.65	40	36	15	" "
"	6 20 28 "	—	7	7	—	A
"	6 20 58 "	—	2	2	—	"
"	6 21 12 "	—	2	3	—	"
"	6 21 33 "	0.65	44	50	33	A, sensible.
"	6 22 06 "	—	2	—	—	A
"	6 22 43 "	—	3	2	—	"
"	6 22 58 "	—	5	4	—	"
"	6 23 30 "	—	2	1	—	"
"	6 24 27 "	0.7	13	18	—	"
"	6 24 50 "	—	5	4	—	"
"	6 25 04 "	—	2	1	—	"
"	6 25 57 "	0.75	13	13	—	"
"	6 26 07 "	—	995	—	—	A, strongly sensible.
"	6 26 48 "	—	18	—	—	A
"	6 27 50 "	—	26	—	—	A, sensible.
"	6 27 57 "	—	6	—	—	" "
"	6 28 21 "	—	27	—	—	" "
"	6 28 44 "	—	6	—	—	A
"	6 29 29 "	—	3	3	—	"
"	6 30 03 "	—	5	13	—	"
"	6 30 12 "	—	7	8	—	"
"	6 30 24 "	0.7	40	47	35	A, sensible.

Date (1916).	Time of Occurrence.	Duration of Prelimi- nary Tremor.	Max. 2a.		Total Dura- tion.	Remark.
			Longi- tudinal.	Trans- verse.		
OCT. 5	6 31 03 a.m.	sec.	μ	μ	sec.	A
"	6 31 08 "	—	16	17	—	"
"	6 31 22 "	—	6	5	—	"
"	6 31 22 "	—	3	2	—	"
"	6 32 00 "	—	2	—	—	"
"	6 32 11 "	—	6	4	—	"
"	6 32 32 "	—	3	2	—	"
"	6 32 54 "	—	5	3	—	"
"	6 33 32 "	0.7	23	20	37	A, sensible.
"	6 34 32 "	0.5	423	402	—	" "
"	6 35 13 "	—	14	12	—	A
"	6 35 50 "	—	11	19	—	"
"	6 36 06 "	—	38	43	—	A, sensible.
"	6 36 21 "	—	14	15	—	A
"	6 37 07 "	—	9	8	—	"
"	6 37 49 "	—	3	2	—	"
"	6 38 35 "	—	6	4	—	"
"	6 38 45 "	—	5	10	—	"
"	6 38 48 "	—	60	58	—	A, sensible.
"	6 39 03 "	—	24	19	—	A
"	6 40 10 "	—	22	18	—	"
"	6 41 08 "	—	6	4	—	"
"	6 42 01 "	—	5	3	—	"
"	6 43 08 "	—	5	5	—	"
"	6 43 57 "	—	3	2	—	"
"	6 44 17 "	—	7	8	—	"
"	6 45 13 "	—	5	2	—	"
"	6 46 34 "	—	3	2	—	"
"	6 47 49 "	—	10	3	—	"
"	6 48 19 "	0.8	25	23	—	A, sensible.
"	6 48 55 "	—	2	2	13	A
"	6 51 29 "	0.7	325	—	91	A, strongly sensible.
"	6 53 00 "	0.6	114	—	99	" sensible.
"	6 55 16 "	—	2	—	13	A
"	6 55 33 "	—	4	2	17	"
"	6 58 18 "	—	6	7	31	"
"	7 08 24 "	0.7	45	43	38	A, sensible.
"	7 09 48 "	—	5	2	21	A
"	7 10 20 "	—	3	2	15	"
"	7 10 35 "	—	6	6	13	"
"	7 10 48 "	—	6	6	20	"

Date (1916).	Time of Occurrence.	Duration of Prelimi- nary Tremor.	Max. 2a.		Total Dura- tion.	Remark.
			Longi- tudinal.	Trans- verse.		
OCT. 5	7 11 31 a.m.	sec.	μ	μ	sec.	A
"	7 12 59 "	—	4	2	13	"
"	7 13 55 "	—	3	2	12	"
"	7 21 41 "	—	4	3	12	"
"	7 21 41 "	—	3	2	—	"
"	7 36 48 "	—	8	3	22	"
"	7 39 00 "	0.7	24	15	22	A, sensible.
"	7 41 14 "	—	3	3	12	A
"	8 04 20 "	—	4	3	20	"
"	8 15 55 "	—	6	6	8	"
"	8 48 19 "	—	3	2	15	"
"	8 51 35 "	0.5	50	24	26	"
"	9 09 08 "	—	5	3	10	"
"	9 11 45 "	—	4	2	11	"
"	9 15 35 "	—	4	2	11	"
"	9 17 15 "	—	2	2	8	"
"	9 25 36 "	—	3	3	10	"
"	9 25 59 "	—	7	2	13	"
"	9 26 12 "	0.6	201	209	—	A, sensible.
"	9 26 29 "	—	45	28	—	A
"	9 26 46 "	—	95	88	67	A, sensible.
"	10 26 45 "	—	5	2	10	A
"	10 27 07 "	—	4	2	10	"
"	10 40 24 "	—	4	2	12	"
"	11 51 37 "	0.7	61	35	25	A, sensible.
"	1 05 41 p.m.	—	3	2	20	A
"	1 07 29 "	—	3	1	16	"
"	1 35 15 "	—	3	2	—	"
"	2 06 40 "	—	3	2	12	"
"	5 15 52 "	—	12	—	8	"
6	4 36 07 a.m.	0.0	53	33	36	A, sensible.
7	3 11 44 p.m.	0.6	132	84	28	" "
8	0 45 46 "	0.7	20	20	12	A
9	0 52 28 a.m.	0.6	13	8	11	"
11	0 13 56 "	0.5	18	17	5	"
13	3 06 00 "	0.9	15	15	12	*

Date (1916).	Time of Occurrence.	Duration of Prelimi- nary Tremor.	Max. 2a.		Total Dura- tion.	Remark.
			Longi- tudinal.	Trans- verse.		
OCT. 15	7 04 08 a.m.	sec. —	μ 20	μ 16	sec. 5	A
16	5 58 22 p.m.	0.0	20	—	—	"
"	5 58 25 "	—	5	—	—	"
"	5 58 33 "	—	4	—	—	"
29	5 37 50 "	0.6	55	35	18	A, sensible.
NOV. 1	2 41 55 a.m.	0.4	9	6	7	A