

Byerly

1925
-29



APIA OBSERVATORY. SAMOA.

SEISMOLOGICAL REPORT 1925 January to March.

Lat. 13° 48' 26" S Long. 11h 27m 6s. W

Instruments: Wiechert Astatic Pendulum Seismometer 1000 kg
Wiechert Vertical Seismometer 180 kg

C.J Westland, Seismologist. A. Thomson, Director.

Cha	Phase	G.M.T	T	Am	Am	Am	
1925		h m s					
Jan 2	e	13 58 31	1				microns
	M	13 58 54	1	80	55	12	felt in Apia. 2RF
10	Iv	P 16 5 24	1	3	7		Distance 2 deg.
		L 5 49	1				
		M 6 20	8	30		3	
		M 7 20	8		40	3	
11		L 13 28	8	2			
15		1 48		25	14	5	
15	Iv	e 10 22 32				1	
		23 22					
		M 24 09	8		80		
		M 24 45		50			
		M 26 30	6			20	
17	Iv	e 14 49 43					
		L 50 15	5	14	20	4	
		F 15					
18	Iv	e 12 16 56				1	Distance 66 deg.
		P 17 14	5		20	2	12h 6m 10s
		22 53	7		5		Lat. 48 N. Long 160 W.
		S 26 03	9		14	1	
		L 36 40					
		M 40	22		300		
		45					
		F 13 20					A local shock interferes wrth the record.
20		e 19 50 52	1				
		e 19 51 24	1				
		M 19 51 54	1	2	20	9	
20		e 22 53 30	1	3	12		
		M 22 53 55	1	130	90	8	
		M 22 54 16	1			40	

Ch Phase G.M.T T Ae An Av

Ch	Phase	G.M.T	T	Ae	An	Av	
Jan	IV	P	h m s				microns
23			17 01 54	2	2	12	1
			02 11	4	25	130	
			02 28	4	220	170	40
			04 45	4			150
			05 10				
		M					
		F					
24	IV	P	1 09 49				
		L	10 13	6	7	12	10
		M	13	6	35	65	50
		F	30				
25		e	11 56 19	1	3	4	2
		e	33	1	25	30	
		M	50	3	50	50	2
29		e	5 17				
		L	18	8	2	2	
		M	19		7	6	
		M	32		4	30	
		F	6				
23		L	12 56	8	4	2	
		L	20 4	8	5	2	
23	Iu	e	4 38 44	8			
		e	39 50	8	2		
		L	42 32	19		24	
			5 0	13		20	
23			19 31	1	70	30	8
29			3 51		35	5	15
Feb							
2	Iu	L	20 19	18			
		M	29	18		30	
		M	39	18		30	
		F	21				
5	IV	e	14 26				
		M	29	7	4	6	
		F	33				
6			15 28 46	1	22	20	2
7			18 42	8	3		
7	IV	e	21 19 73				
		L	22 10	10	3	12	
		M	22 30	8	5	22	
		F	40				
9	IV	e	12 55 11				
		M	55 57	3	10	10	1
9	IV	P	14 14 16	4	24	12	1
		S	16 25	7	4		
		L	17 43	12			
		M	22	12	75	30	2
		F	15 10				

Lat. 15 S. Long. 172 W.

Striking against stops

after 18h

Probably several small shocks in Tongan deep.

small & difficult.

P & S possibly missed while changing paper

Cha	Phase	G.M.T	T	Ae	An	Av	
Feb		h m s	s				microns
12	Iv	P	2 59 42				
			3 00				In hourmark
13		M	3 00 45	8	9	30	1
			0 33 40	1	70	65	10
13	Ir	P	13 53 06	2			
		S	55 41				
		L	56 40				
		M	58 54	12	16	15	
23			6 23 28	1	60	50	8
24	Iu	P	0 5 43				
			17				
			19 30				
		L	29 48	20	12	27	
24			2 41				
			2 55				
Mar							
2	Iv	P	9 52 18				
		L	53 00				
		M	56	6	7	12	
2			22 04	1	18	12	
6			12 05	1	30	12	
9	Iv	e	23 05 30				
			06 28				
		M	08 00	5		15	
13		e	22 54		1		
		e	56		1		
		M	59	4	5		
16		P	23 23				
		M	23 29	11	6	4	
18			6 26	1	38	17	5
22	IIIr	e	8 46 23				1
		P	46 32	2	160	90	9
			47 49				
			49 32				
			49 40	8		27	
			50 20	12	55	80	
		L	51	16	210	260	
		M	52	16	630	480	350
		F					
30			17 34	1	70	35	60
31			14 40	1	150	85	150

Distance 14 degrees.
A small local shock
interferes with the record.
Reported felt near west
extremity of Upolu.

Alaska

At 23h 25m a local shock
obscures this record

confused

0 8h 42m 12s
Lat 18 S, Long 170 E

After 10h

Felt in Apia 2 RF

Felt in Apia 2 RF

The previous pages include 4 small earthquakes known to have been felt in Samoa, and 8 other shocks which may have been felt by a few persons but have not been reported. There are also 35 movements too small to be felt, which occurred at the times given below.

Jan			Feb			Mar		
d	h	m	d	h	m	d	h	m
3	23	54	3	3	53	8	11	9
4	18	44	5	7	10	9	5	52
5	21	34	6	10	8	10	11	40
10	13	50	6	13	53	18	0	15
13	7	43	6	21	8	21	16	21
13	9	51	6	23	51			
13	16	13	7	22	46			
15	1	43	12	21	28			
17	12	49	12	23	8			
18	13	33	22	18	12			
18	14	50	24	3	26			
19	20	30	27	1	45			
19	21	35	23	1	41			
20	5	1	23	1	49			
27	10	12	23	2	27			

The constants of the instruments on February 12 are

	T	e	V
E W	8.4	2.0	148
N S	9.2	2.0	140
Vert	2.3	2.2	80