

Bulletin of the Seismological Station

IVIGTUT

 $\varphi = 61^{\circ}12' N.$ $\lambda = 48^{\circ}11' W.$ $h = 20 m.$

Lithologic Foundation: Gneiss.

 Instruments: WIECHERT 1000 kg. horizontal seismograph.
 WIECHERT 1300 kg. vertical seismograph.

Constants:

Component		T	v	r	V
N	1/1-6/3	sec 8.8	3.7	mm 1.2	170
	6/3-19/6	8.7	3.5	0.7	180
	19/6-31/12	8.8	3.5	0.3	180
E		8.8	4.0	0.4	220
Z		4.9	3.0	0.1	190

No.	Date	Hour	Forerunners				L	Δ	Remarks.							
			P or P'		S											
	1947		m	s	m	s	m	s	h	m	o					
1	Jan. 25	4														
2	26	10	116	14+	123	51	18	16	19	45	.4	33	55	SSS 30 ^m .1 Nicaragua. Depth about 100 km.		
3	29	8	129	42-			39	16	39	40				43 ^m .4. Argentina. Depth about 600 km.		
4	Febr. 24	17	43	34	53	16								76	Bolivia.	
5	Mar. 17	8	31	51	42	17									84	China.
6	25	20	51	53			73.7		1.7							New Zealand.
7	29	7										57				
8	Apr. 2	5					59	33	65	1						(SKKS) 65 ^m 41 ^s .PS 69 ^m 17 ^s .SS 75 ^m .6 New Guinea.
9	10	16					18.0							24		Preceding movement small, phases not readable. California.
10	14	7	27.2		36	49			48					75		Japan. P masked by microseisms; the reading uncertain.
11	24	19	44	34	52	4			57					53		Atlantic Ocean.
12	28	13					53									Small movement.
13	29	8					13									" "
14	May 2	2	25	19										46		P quite small, uncertain. South of Alcutian Islands.
15	6	20			51	17			56	52						60 ^m 34 ^s .61 ^m 14 ^s .SS 68 ^m .2. South of New Britain.

No.	Date	Hour	Forerunners				L	△	Remarks.			
			P or P'		S							
			m	s	m	s	m	s	h	m	s	
16	1947 May 17	7				48.5			83			May 6. to June 2. time-corrections not certain.
17	27	6			19	9	25.2		48			26 ^m 48 ^s . 28 ^m 9. 29 ^m 7. SS 35 ^m . Phases not clearly marked. Off north coast of New Guinea.
18	June 2	6	151	5					77			Turkestan.
19	7	19				13.6	21.0		.7			
20	10	19							51			
21	12	9	21.0			22	24	29	21			(S) 30 ^m 10 ^s . PS 31 ^m 57 ^s . Molucca Islands.
22	13	20	38	27	49	43	42	17	48.8		95	PS 51 ^m 3. Marianne Islands.
23	14	0				14	37	15.1				
24	19	7				52.0	58	41				
25	20	23								21		
26	28	19								30		
27	28	22								32		
28	July 10	10	31	10	40	48					75	
29	10	10								57		
30	12	2	10	23	19.8						73	Kurile Islands.
31	23	17				33.6	43	1				
32	24	12	36	3		38	25	39	25	1.3.		New Hebrides Islands. Northern Argentina. Deep focus.
33	25	19	20	34		30	6	30	26			Disturbed.
34	26 29	12 13	55	56+	66	22	59.4	67.8	1.4		84	69 ^m 10 ^s . 71 ^m 6. Border of Tibet and Burma.
35	30	22								37		
36	Aug. 1	1				12	29					
37	1	3								15		
38	2	1								43		
39	2	2								39		
40	5	14	36	9	46	4	39	1	41.0		78	iP 36 ^m 15 ^s . 46 ^m 48 ^s . SS 51 ^m 4 ^s . Arabian Sea.
41	6	5	157	28-	166	1	159	32			72	Depth about 600 km.
42	7	0	48	48	55	35				62	46	Off Cuba.
43	9	3								14		
44	12	16								6		
45	15	4								43		
46	24	11				57	29	58	24			
47	27	13				57.4				1.8		New Zealand.
48	28	7	1	1	10	17					68	Off Kamchatka.
49	28	14	39	56	48.6					61	65	
50	30	22				37	31					Masked by micro- seisms.
51	Sept. 23	12	39	23	48	20	49.3				68	P masked by micro- seisms, the reading uncertain. Iran.
52	26	16	115	5+	25	25	18	50	26	22	41	Off east coast of China. Deep.

No.	Date	Hour	Forerunners				L	Δ	Remarks.					
			P or P'		S									
			m	s	m	s	m	s	h	m	o			
53	1947 Oct. 3	23	41	48	49	36	45	6	50	4	65	51 ^m 36 ^s . The reading of P not certain.		
54	6	20	4	24	11	25	4	28	4	48	49	Mexico.		
55	16	2	117	33+	23	50	19	11	26	5	42	5 ^m 19 ^s , 11 ^m 9.14 ^m 17 ^s . 15 ^m 5 ^s Greece		
56	20	1	51	9	57.4						61	26 ^m 28 ^s . 26 ^m 58 ^s . Alaska.		
57	Nov. 1	15	110	34	120	11	110	38	11	3	30	75	S small, the reading uncertain. Alaska.	
58	4	0	20	49	30	31	31	8				76	11 ^m 27 ^s . PP 13 ^m 28 ^s . 20 ^m 7. SS 25 ^m 0 ^s . Peru.	
59	8	14											Japan.	
60	9	5									9			
61	12	16					19.7		20	36				
62	14	11			11	3	41	40						
63	21	4	4	17	12	22					24	59	Japan. Pacific Ocean off Mexico.	
64	23	9	53	39							66		Montana.	
65	Dec. 15	19	147	6+										South Pacific Ocean.
66	29	15												
67	29	15									16			
68	29	18									34			
69	29	18									15			
70	30	0									51			
71	30	2									7			
72	30	2									4			
73	30	4									50			
74	30	16									57			
75	31	5									30			
											36			