



No. 9.

GEODETISK INSTITUT
Copenhagen, Denmark.

1938.

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
	sec		mm	
N	8.8	3.5	0.2	180
E	8.8	4.0	0.3	215
Z	4.9	3.0	0.1	195

No.	Date	Hour	Forerunners				L	Δ	Remarks.		
			P or P'		S						
			m	s	m	s	m	s	h	m	o
	1938										
	Jan.										
1	23	8			55	0			1.1		
2	24	10			52	23	59.7				
	Febr.										
3	1	19			25	3	26 43				
4	5	2	33	33-	41	32	34 11	34 37		60	
5	15	3			42	35			46		
6	15	7			12	4			15		
	March										
7	22	15	30	24	37	1	32 13	40.2	44	45	West of Queen Charlotte Islands.
8	27	2							52		
9	27	3							23		

No records
1^d - 2^d 12^h
P masked by
microseisms.
PS 62^m38^s. 62^m55^s.
SS 69^m6.

27^m40^s. 30^m42^s
32^m0. 34^m8. 35^m0^s.
36^m45^s. 41^m24^s.
42^m3. e. 42^m37^s.
very large. 46^m6.
48^m56^s. 50^m34^s.
Banda Sea.
PPP 37^m8^s. PPP
37^m45^s. SS 42^m38^s.
e 44^m2. SSS
48^m20^s. Depth about
160 km. Colombia.
Atlantic Ocean.
" " "

No.	Date	Hour	Forerunners				L	△	Remarks.					
			P or P'		S									
			m	s	m	s	m	s	h	m	o			
10	1938 April 13	2	i53	29-	i59	39	54	53	55	16	44	56 ^m 0 ^s ; 32 ^s . 60 ^m 29 ^s . 61 ^m 12 ^s . 63 ^m 0 ^s . 64 ^m 41 ^s . Depth ca. 300 km. Mediterra- nean Sea. Depth 120 km. Burma. Anatolia.		
11	14	1	29	17	40	11	39	46	41	4	94	23	53	
12	19	11	8	35	16	3	19.	7	22.	0				
13	May 11	14			62	59	63	29						P distinct, but beginning uncertain. Off Mexico. SS 77 ^m . 2. New Guinea.
14	12	15	58	0			59	43	69	43				
15	13	1									30			
16	13	1									52			
17	13	2									57			
18	13	9									26			
19	13	12									55			No records 13 ^d 16 ^h - 16 ^d 13 ^h .
20	19	15					28	52	31	21	21			
21	19	17	27	32							55			SKS 34 ^m . 3. SKKS 35 ^m 5. 35 ^m 53 ^s . PS 38 ^m 40 ^s . SS 44 ^m . 2. SSS 49 ^m . 3. Celebes. e. 41 ^m 37 ^s . SS 46 ^m . 2. Japan.
22	23	7	30	50+	41	4	34	1	37	26	82			P not clearly marked the reading not quite certain. Off Oregon. Kurile Islands.
23	28	10	22	47	29	48	24	39	33.	3	37	49		
24	28	16	53	45 ^x	63	22					78			
25	30	14	48	58			51	16	52	21	84			PPP 54 ^m 6 ^s . SKS 56 ^m 32 ^s . e61 ^m 16 ^s . 64 ^m . 4. 69 ^m . 4. New Hebrides Islands.
26	June 9	19	34.	0			35	40	40.	9	1.1			42 ^m 49 ^s . PS 45 ^m 30 ^s . 51 ^m . 3. 52 ^m . 5. 55 ^m . 7. 56 ^m . 5. Banda Sea. Phases not clearly marked.
27	10	10	6	54	18	4	10	54	16	58	94			SKS 17 ^m 37 ^s . PS 19 ^m 17 ^s . SS 24 ^m . 8. SSS 28 ^m . 5. Pacific Ocean. Mexico.
28	10	18			23	44					39			
29	16	2	i28	15+	39	4	32	0	38	51	89			40 ^m 41 ^s . Riukiu Islands.
30	21	0	i 1	27+	10	33	3	51			69			Kirghiz ASSR. East of Loyalty Islands.
31	23	13	14	32			16	54	17	55				
32	25	23	i50	28+	54	53	55	5			57			Greenland Sea. Deeper than normal. Mexico.
33	28	19	27	21-			27	43	28	21				
34	30	17	3	40			3	52	7	13				Northeast of Loyalty Islands.

No.	Date	Hour	Forerunners				L		△	Remarks.
			P or P'		S		h	m		
			m	s	m	s	m	s	o	
	1938									
	July									
35	5	2				26	20			
36	5	22				28	48	29	52	
37	6	1	43	39		46.0		47	6	
38	20	0	32	23-	39	32 ^x	34	17	43	9
39	22	7	58	10	66	17	59	30	61	46
40	24	13	21	54						
41	27	13							28	
42	27	19	56	40			61	18 ^x	63	
43	29	13					25	9	126	11
	Aug.									
										No records 2 ^d 12 ^h -9 ^d 12 ^h .
44	16	4			51	46	51.2		1.2	Burma.
45	28	21							11	
46	29	15					47.4	48	45	72
	Sept.									
47	1	22	58	9+	65	59	61	35	72.7	57
48	3	4								50
49	3	6								41
50	7	4					27	38		46
51	21	19					14	35		27
52	22	5								32
53	22	5								38
54	22	6								30
55	27	2	44	2	54	15	44	40	47.1	82
	Oct.									
56	10	21	6	52	15	46	7	46	7	58
57	12	0	46	29	56	21			1.2	78
58	17	15			47	17				
59	19	4	24	9	32	47	32	58		64
60	20	2	38	29			40.5	40	54	
	Nov.									
61	1	7								50
62	5	8	155	38+	65	44	59.0	62.4		80
63	5	11	2	30	12	43	12	52	18.1	82
		9								
64	6	21	51	10	61	14	53.4	62	33	77
65	7	2			0	51				80
66	7	19			56	7				75
67	9	9			38	30				54
68	10	11			9	50				

Fiji Islands region.
Greece.
Off Mexico.
Disturbed.

Greenland Sea.
32^m.0. Off Sumatra.

No records 2^d 12^h-9^d 12^h.
Burma.

56^m.0. Philippine Islands.

Off Guatemala.

82 Abyssinia.

SKKS 14^m 52^s. PS 17^m 5. SS 23^m 6.
Celebes.

East of Japan.
P small, uncertain.
Sea of Okhotsk.

Altai Mountains.
41^m 29^s, 52^s. SKS 45^m 22^s. SKKS 47^m 12^s. PS 50^m 26^s. SS 57^m 3. SSS 61^m 7. Deeper than normal.
Lesser Sunda Islands;
△ = ca. 130°

is 65^m 49^s. East of Japan.

Large record but no time-marks.
63^m.0, 66^m.1. Japan.
Japan.

"
East of Japan.
Pacific Ocean.

No.	Date	Hour	Forerunners				L	△	Remarks.			
			P or P'		S							
			m	s	m	s	h	m	o			
69	1938 Nov. 10	20	27	48	35	15 ^x	29	9	30	36	53	eP 27 ^m 48 ^s quite small; iP _Z 27 ^m 55 ^s 31 ^m 4 ^s . e _N 35 ^m 29 ^s i _N 35 ^m 38 ^s . Succeeding oscillations very large; two of the pens thrown off some minutes later. South of Alaska.
71	13 13	13 22	25	8+	34	31 ^x	35	12	54	21	48 68	72 Kurile Islands. P recorded, but beginning uncertain.
72	17	4			10	57	13	31 ^x	14	55	18	P masked by strong microseisms, about 3 ^m 53 ^s . South of Alaska. No records 18 ^d 13 ^h - 26 ^d 13 ^h .
73	Dec. 16	17					52.8		56.8			60 ^m 2. P _Z recorded, but the beginning uncertain. Later phases not well defined either. New Zealand.

x affixed to time of phase indicates that beginning of phase is in time-mark.