

GEODETISK INSTITUT
Copenhagen, Denmark

Bulletin of the Seismological Station

IVIGTUT

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

Lithologic Foundation: Gneiss.

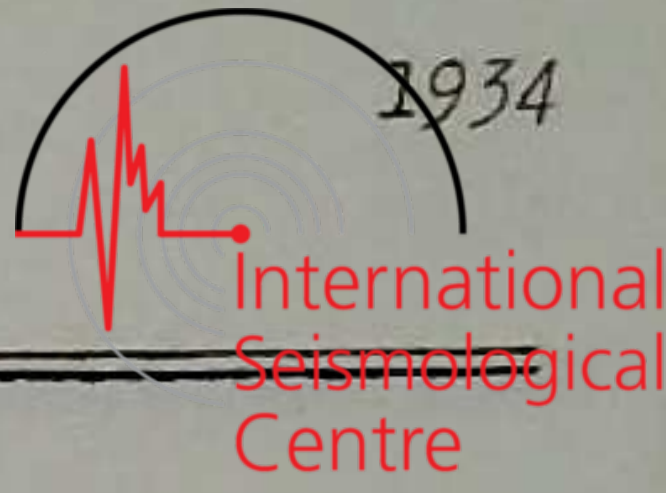
Instruments: WIECHERT 1000 Kg. Horizontal Seismograph
WIECHERT 1300 Kg. Vertical Seismograph.

Constants (Mean Values) :

Component	T	v	r	V
	sec		mm	
N	9.1	3.6	0.3	180
E	9.2	4.2	0.3	210
Z	5.1	3.9	0.1	200



No.	Date	Hour	Forerunners								L	Undef.	Δ	Remarks		
			P		S											
			m	s	m	s	m	s	m	s	h	m	h	m	o	
	1934															
	Jan.															
1 ^x	3 ^x	9	i52	36	i60	45									59	Kamtchatka
2 ^x	15 ^x	8	i56	4	66	47					1.3					North Bihar, India
3	19	10									.4					
4	28	19	19	55 ^x	27	55 ^x	23.1			28.4	.6				58	Mexico
5	30	20									.7					Strong microseisms.
	Febr.															
6	3	15									.5					Strong microseisms Febr.12-March 26 no records.
	March															
7	29	20					24.7									
	April															
8	3	18									.3					
9	6	19	i21	46	31	53					.4				81	Japan
10	9	16									.4					Faint preceding movement.
11	10	6									.2					
12	10	11									.5					
13	11	21					30 53		i34 2							e 34 ^m 17 ^s
14 ^x	15 ^x	22					34 26		34 46		1.1					Mindanao
15	20	15											13			
16	26	5					54 34				.7					
17	26	9									.2					
18	26	22									.1					
	May															
19	3	8											4			
20	4	4	i44	6	i50	33	45.7		53.9						43	e 46 ^m 6 ^s . Alaska
21	9	16									.9					
22	13	9					32.3				1.0					Pacific Ocean
23	14	13											41			
24	14	22	i21	23	i28	12	21 34		23 13				35			Alaska. Deep focus
25	20	19	i 9	13									15			
26	21	10	11	59 ^x	16	5							17		23	Greenland Sea.
27	22	11					20.4						27			



No.	Date	Hour	Forerunners						L	Undef	Δ	Remarks				
			P		S								h	m	h	m
	1934		m	s	m	s	m	s	m	s						
	June															
28 ^x	2 ^x	13	46	0 ^x												Iceland
29	2	17									.1					
30	6	4									.5					Faint.
31	6	7									.0					
32	8	5					4.0						13			
33	9	13					26.1		29.1		1.0					Small preceding movement
34	12	9	42.2		50.1											Mexico
35 ^x	13 ^x	2	i 2	24	11	50	12	28	13	0			24	73		Kurile Islands.
36	13	9									.5					
37 ^x	13 ^x	22	i22	3	31	36	24.6						48	74		Afghanistan
38	15	6	i35	45	i36	39							37			
39 ^x	18 ^x	9	22	0	28	33	i22	19	29	6				44		Alaska.
40	22	19									.1					
41	23	5									.9					
42 ^x	24 ^x	6	i12	2	22	20								83		Chile.
43	29	8					45	5	46	21						
44	30	9											40			
45	30	10											35			
46	30	12											16			
	July															
47	4	2					12.6				.7					
48	6	22	i57	42	i64	50	59	36	68	22			70	50		California.
49	10	1									.5					
50	12	10									.6					Faint
51	16	8									.9					
52 ^x	18 ^x	1	46	22	54	38	49	48	60.8					61		Panama
53	18	4	10.6													" Superposed on preceding shock.
54	18	7									.1					
55	18	12									.0					
56	18	14									.1					
57	18	16									.7					
58	18	17	i 9	40	17.8		9	50					24	59		Panama
59 ^x	18 ^x	19					59	18	61	3			92			Pacific Ocean
60	19	0					i25	47	27	39	1.1					" "
61	19	1					46.5		47.5		1.3					PS 57 ^m 32 ^s SS 64 ^m . 3.
																New Guinea region
62	19	6									.0					
63	19	6									.7					
64	19	7					.9				1.6					
65	20	0									.1					
66	20	2									.6					
67	20	5									.1					
68	20	14									.2					
69	20	17									.9					
70	20	18									.9					
71	20	19									.2					
72	20	19									.8					Superposed on preceding shock.
73 ^x	21 ^x	6					39	33	49.3				68			New Hebrides region
74	21	10	49	4			51	10	52	40						e _N 57 ^m .1, e _{N.E} 57 ^m .8 larger. Panama
75	21	13									.9					
76	21	21									.3					Faint.
77	22	3					30				.9					
78	22	20	7	44	16	45	i 8	48	18	23						e 9 ^m 17 ^s , 21 ^m .4. Deep focus
79	23	3									.4					

No.	Date	Hour	Forerunners								L	Undef.	Δ	Remarks		
			P		S											
			m	s	m	s	m	s	m	s	h	m	h	m	o	
	1934															
	July															
80	23	18							38.7			44				
81	27	2	35	17 ^x	43	o					.9				55	Guatamala
82	27	13									.5					Small preceding movement
83	28	2	17	32								45				
84	28	21	i45	59	53	13 ^x	47	52	56	54		60			51	S _c S 55 ^m 45 ^s .Alaska
85	30	2												18		
86	30	3										9				
87	30	4									.2					
88	31	6									.9					
89	31	12									.9					Faint
90	31	15												27)One or two
91	31	15										32)shocks ?
	Aug.															
92	2	7			27.6				31.2			35				Alaska.Faint preceding movement.
93	4	13							31.4			1.0				Faint
94	7	4							0.7	10.5		.6				e 17 ^m .4.No Z record
95	7	12			10	14						.5				Tien Shan Mountair
96	9	6										.5				No Z record.
97	9	20										.0				Faint
98	11	9										.0				
99	11	13										.1				
100	11	15											29			
101	13	0					8	24 ^x	15.5			.6				PS 18 ^m .O.Mindanao
102	14	10										.0				Faint
103	15	5											9			
104	15	11					23	51				.5				
105	19	23											43			
106	21	20										.5				
107	24	0										.6				
108	26	1										.9				
109	28	11											56			Faint
110 ^x	31 ^x	5	6	4			6	20 ^x								Baffin Bay
111	31	15	8	50	17	52							25		69	Hissar region
	Sept.															
112	1	12										.1				
113	3	10										.8				Faint
114	4	16					57	14 ^x				1.6				Pacific Ocean
115	15	7	i6	34	14	26	i6	42	7	52			25		57	Mexico
116	21	12							58.1							
	Oct.															
117	5	8											42			
118	5	9											17			
119	5	9											47			
120	5	12											4			
121	5	20			47	28					1.1					
122	6	0											24			
123	6	13											15			
124	7	10											58			
125	8	7											17			
126	10	16					10.1		19.3							Pacific Ocean
																Masked by microse.
																L small.
127	18	8					25	55 ^x				.8				

No.	Date	Hour	Forerunners								L		Undef.		Δ	Remarks
			P		S		m	s	m	s	h	m	h	m		
	1934		m	s	m	s	m	s	m	s	h	m	h	m	o	
128	Oct. 21	18					17	19	25.1							
129	26	17					34.5		35.8	.9						SS 41 ^m .1. Pacific Ocean
130	29	3								.0						
131	29	16								.8						
	Nov.															
132	4	3								.0						
133	4	4								.3						Superposed on preceding shock.
134	5	23					21.2			.6						
135	10	15									44					
136	12	7								.8						
137	27	6					39	38	43.6	1.1						
138	30	2	15	11 ^x	23	11 ^x	18	34	24.8		32			58		e _E 15 ^m 54 ^s ; 16 ^m 20 ^s Mexico. P and S large
	Dec.															
139	3	3								.0						
140	4	17					46	59	47	13 ^x	1.1					e _N 47 ^m 32 ^s Chile
141	15	2								.5						Preceding movement masked by strong microseisms.
142	17	3												12		
143	17	4										.9				
144	17	17								.0						
145	22	14								.8						
146	24	16										.1				
147	30	14					8.8				16					California. Strong microseisms.
148	31	18			62	11	55.7		57.5							S _E 62 ^m 21 ^s . California Strong microseisms

NOTES.

- No. 1. Jan. 3. 9^h. Kamtchatka. Deep focus. Forerunners large and clearly marked; L quite small. iP_Z 52^m 36^s dilatation; i_{N,Z} 53^m 41^s; e_{N,Z} 54^m 15^s. iS 60^m 45^s, large. i 62^m 0^s; e 62^m 45^s, 64^m.1.
- No. 2. Jan. 15. 8^h. North Bihar, India. Δ = ca. 87°. Strong record. iP_Z 56^m 4^s, condensation. e_Z 56^m 52^s, in time-mark. PP 59^m.5. SKS 66^m 27^s large. S_{N,E} 66^m 47^s, very large oscillation. iSS 72^m 19^s. Large waves of long period in first part of L.
- No. 14. April 15. 22^h. Mindanao. Δ = ca. 110°. Azimuth of epicentre nearly N. e_{N,Z} 34^m 26^s; PP_{N,Z} 34^m 46^s, larger. SKS_N 40^m.9. e_N(SKKS) 41^m.8. e_E 42^m.4. PS_N 44^m.1; e_E 44^m 37^s. SS about 50^m. L regular.

No. 5

I V I G T U T



Notes.

- No. 28. June 2. 13^h. Iceland; $\Delta = \text{ca. } 16^\circ$. P small, S not discernible. L 48^m.5. M about 51^m, rather large, regular.
- No. 35. June 13. 2^h. Kurile Islands. Focus rather deep. iP_Z quite small. $i 2^m 26^s$ larger. S large and clearly marked. L regular, not large.
- No. 37. June 13. 22^h. Afghanistan. Focus possibly deeper than normal. iP , dilatation, followed by several oscillations. S large and clearly marked. $e_E 32^m 0$.
 $e_N 32^m 11^s$; $e_E 32^m 53^s$. SS 36^m.1. $e 40^m 6$.
- No. 39. June 18. 9^h. Alaska. Focus deeper than normal. P quite small, on Z only; beginning not quite certain. $e_{N,E} i_Z 22^m 19^s$, larger. S not large, $e 29^m 6^s$ larger. $e 31^m 45^s$, $32^m 35^s$. L small.
- No. 42. June 24. 6^h. Chile. Focus deeper than normal. iP , dilatation; $i 12^m 29^s$ larger than P. $e_E 12^m 57^s$. S large; $eS_N 22^m 20^s$, $iS_E 22^m 25^s$. $e_N 23^m 1$, $e_E 23^m 30^s$, $e_N 24^m 8^s$. SS 28^m.1. L not large.
- No. 52. July 18. 1^h. Panama. Strong record. iP , condensation. PP small, 48^m.5. PPP 49^m48^s large. S very large, followed by oscillations of long period; ($s_c s$) 56^m.3. SS 58^m.7, SSS 60^m.8 larger. L not very large, but of long duration.
- No. 59. July 18. 19^h. Pacific Ocean. $\Delta = \text{ca. } 120^\circ$. $P' 59^m 18^s$. PP 61^m3^s. $e_N 62^m 35^s$. PS 70^m57^s; $e 71^m 30^s$; PPS 72^m28^s. $e(SS) 77^m$, SS 78^m.2. M large.
- No. 73. July 21. 6^h. New Hebrides region. $\Delta = \text{ca. } 120^\circ$. $P'_Z 37^m 6$ quite small. $PP_Z 39^m 33^s$. $PPP_N 42^m 4$. $e_E 47^m 6$. PS 49^m. 3; $e 51^m 49^s$. SS 56^m. 3 large. SSS 60^m.5.
- No. 110. Aug. 31. 5^h. Baffin Bay. First movement small, the reading not certain. After 6^m20^s larger oscillations. 8^m.6 movement of long period, S or L? $e 8^m 52^s$. M rather large.