

GEODETISK INSTITUT  
Copenhagen, Denmark

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 (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.	$\Delta$	Remarks			
			P		S		m	s						
			m	s	m	s	m	s	h	m	h	m	o	
	1934													
	Jan.													
1 <sup>x</sup>	3 <sup>x</sup>	9	152	36	160	45							59	Kamtchatka
2 <sup>x</sup>	15 <sup>x</sup>	8	156	4	66	47			1.3					North Bihar, India
3	19	10							.4					
4	28	19	19	55 <sup>x</sup>	27	55 <sup>x</sup>	23.1	28.4	.6				58	Mexico
5	30	20							.7					Strong microseisms.
	Febr.													
6	3	15							.5					Strong microseisms
	March													Febr.12-March 26
7	29	20					24.7							no records.
	April													
8	3	18							.3					
9	6	19	121	46	31	53							81	Japan
10	9	16							.4					Faint preceding movement.
11	10	6							.2					
12	10	11							.5					
13	11	21					30 53	134 2						e 34 <sup>m</sup> 17 <sup>s</sup>
14 <sup>x</sup>	15 <sup>x</sup>	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	144	6	150	33	45.7	53.9					43	e 46 <sup>m</sup> 6 <sup>s</sup> . Alaska
21	9	16							.9					
22	13	9					32.3		1.0					Pacific Ocean
23	14	13									41			
24	14	22	121	23	128	12	21 34	23 13			35			Alaska. Deep focus
25	20	19	19	13							15			
26	21	10	11	59 <sup>x</sup>	16	5					17		23	Greenland Sea.
27	22	11					20.4				27			

No.	Date	Hour	Forerunners						L		Undef		Δ	Remarks		
			P		S		m	s	h	m	h	m			o	
	1934		m	s	m	s	m	s	m	s	h	m	h	m	o	
	June															
28 <sup>x</sup>	2 <sup>x</sup>	13	46	0 <sup>x</sup>												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 <sup>x</sup>	13 <sup>x</sup>	2	i 2	24	11	50	12	28	13	0		24	73			Kurile Islands.
36	13	9									.5					
37 <sup>x</sup>	13 <sup>x</sup>	22	i22	3	31	36	24.6					48	74			Afghanistan
38	15	6	i35	45	i36	39						37				
39 <sup>x</sup>	18 <sup>x</sup>	9	22	0	28	33	i22	19	29	6			44			Alaska.
40	22	19									.1					
41	23	5									.9					
42 <sup>x</sup>	24 <sup>x</sup>	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 <sup>x</sup>	18 <sup>x</sup>	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 <sup>x</sup>	18 <sup>x</sup>	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 <sup>m</sup> 32 <sup>s</sup> SS 64 <sup>m</sup> . 3.
																New Guinea region
62	19	6									.0					
63	19	6									.7					
64	19	7									1.6					
65	20	0					.9				.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					
73 <sup>x</sup>	21 <sup>x</sup>	6					39	33	49.3			68				Superposed on preceding shock.
74	21	10	49	4			51	10	52	40						New Hebrides region
																e <sub>N</sub> 57 <sup>m</sup> .1, e <sub>N,E</sub> 57 <sup>m</sup> .8
75	21	13									.9					larger. Panama
76	21	21									.3					
77	22	3					30				.9					Faint.
78	22	20	7	44	16	45	i 8	48	18	23						e 9 <sup>m</sup> 17 <sup>s</sup> , 21 <sup>m</sup> .4.
79	23	3									.4					Deep focus



No. 5

I V I G T U T.

1934

No.	Date	Hour	Forerunners								L		Undef.		Δ	Remarks
			P		S						h	m	h	m		
			m	s	m	s	m	s	m	s	h	m	h	m	o	
	1934															
	July															
80	23	18							38.7							
81	27	2	35	17 <sup>x</sup>	43	0									55	Guatamala
82	27	13														Small preceding movement
83	28	2	17	32												
84	28	21	145	59	53	13 <sup>x</sup>	47	52	56	54		45	60		51	S <sub>c</sub> S 55 <sup>m</sup> 45 <sup>s</sup> .Alaska
85	30	2													18	
86	30	3														
87	30	4														
88	31	6														
89	31	12														
90	31	15														
91	31	15														Faint )One or two )shocks ?
	Aug.															
92	2	7			27.6				31.2							Alaska.Faint preceding movement.
93	4	13							31.4							Faint
94	7	4							0.7	10.5						e 17 <sup>m</sup> .4.No Z record
95	7	12			10	14										Tien Shan Mountain N <sup>a</sup> Z record.
96	9	6														
97	9	20														Faint
98	11	9														
99	11	13														
100	11	15														
101	13	0							8	24 <sup>x</sup>	15.5					PG 18 <sup>m</sup> .0.Mindanao
102	14	10														Faint
103	15	5														
104	15	11							23	51						
105	19	23														
106	21	20														
107	24	0														
108	26	1														
109	28	11														
110 <sup>x</sup>	31 <sup>x</sup>	5	6	4					6	20 <sup>x</sup>						Faint
111	31	15	8	50	17	52									69	Baffin Bay Hissar region
	Sept.															
112	1	12														
113	3	10														
114	4	16														
115	15	7	16	34	14	26	57	14 <sup>x</sup>	6	42	7	52				Faint Pacific Ocean
116	21	12							58.1						57	Mexico
	Oct.															
117	5	8														
118	5	9														
119	5	9														
120	5	12														
121	5	20			47	28										
122	6	0														
123	6	13														
124	7	10														
125	8	7														
126	10	16							10.1	10.3						Pacific Ocean Masked by microse. L small.
127	18	8							25	55 <sup>x</sup>						

No.	Date	Hour	Forerunners								L		Undef.		△	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	
	Oct.															
128	21	18					17	19	25.1							
129	26	17					34.5		35.8	.9						SS 41 <sup>m</sup> . 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 <sup>x</sup>	23	11 <sup>x</sup>	18	34	24.8		32			58		e <sub>E</sub> 15 <sup>m</sup> 54 <sup>s</sup> ; 16 <sup>m</sup> 20 <sup>s</sup> Mexico. P and S la
	Dec.															
139	3	3								.0						
140	4	17					46	59	47	13 <sup>x</sup>	1.1					e <sub>N</sub> 47 <sup>m</sup> 32 <sup>s</sup> . 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 <sub>E</sub> 62 <sup>m</sup> 21 <sup>s</sup> . California. Strong microseisms.

NOTES.

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



I V I G T U T

Notes.

- No. 28. June 2. 13<sup>h</sup>. Iceland;  $\Delta =$  ca.  $16^{\circ}$ . P small, S not discernible. L  $48^m.5$ . M about  $51^m$ , rather large, regular.
- No. 35. June 13. 2<sup>h</sup>. Kurile Islands. Focus rather deep.  $iP_Z$  quite small.  $i$   $2^m26^s$  larger. S large and clearly marked. L regular, not large.
- No. 37. June 13. 22<sup>h</sup>. Afghanistan. Focus possibly deeper than normal.  $iP$ , dilatation, followed by several oscillations. S large and clearly marked.  $e_E$   $32^m.0$ .  $e_N$   $32^m11^s$ ;  $e_E$   $32^m53^s$ . SS  $36^m.1$ .  $e$   $40^m6$ .
- No. 39. June 18. 9<sup>h</sup>. Alaska. Focus deeper than normal. P quite small, on Z only; beginning not quite certain.  $e_{N,E}i_Z$   $22^m19^s$ , larger. S not large,  $e$   $29^m6^s$  larger.  $e$   $31^m45^s$ ,  $32^m35^s$ . L small.
- No. 42. June 24. 6<sup>h</sup>. Chile. Focus deeper than normal.  $iP$ , dilatation;  $i$   $12^m29^s$  larger than P.  $e_E$   $12^m57^s$ . S large;  $e_{S_N}$   $22^m20^s$ ,  $i_{S_E}$   $22^m25^s$ .  $e_N$   $23^m.1$ ,  $e_E$   $23^m30^s$ ,  $e_N$   $24^m8^s$ . SS  $28^m.1$ . L not large.
- No. 52. July 18. 1<sup>h</sup>. Panama. Strong record.  $iP$ , condensation. PP small,  $48^m.5$ . PPP  $49^m48^s$  large. S very large, followed by oscillations of long period; ( $S_cS$ )  $56^m.3$ . SS  $58^m.7$ , SSS  $60^m.8$  larger. L not very large, but of long duration.
- No. 59. July 18. 19<sup>h</sup>. Pacific Ocean.  $\Delta =$  ca.  $120^{\circ}$ . P'  $59^m18^s$ . PP  $61^m3^s$ .  $e_N$   $62^m35^s$ . PS  $70^m57^s$ ;  $e$   $71^m30^s$ ; PPS  $72^m28^s$ .  $e(SS)$   $77^m$ , SS  $78^m.2$ . M large.
- No. 73. July 21. 6<sup>h</sup>. New Hebrides region.  $\Delta =$  ca.  $120^{\circ}$ . P'  $Z$   $37^m.6$  quite small.  $PP_Z$   $39^m33^s$ .  $PPP_N$   $42^m.4$ .  $e_E$   $47^m.6$ . PS  $49^m.3$ ;  $e$   $51^m49^s$ . SS  $56^m.3$  large. SSS  $60^m.5$ .
- No. 110. Aug. 31. 5<sup>h</sup>. 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?  $e$   $8^m52^s$ . M rather large.