

No. 5

1934

GEODÆTISK INSTITUT
Copenhagen, Denmark

Bulletin of the Seismological Station

IVIGTUT

Q = 61° 12' N. A = 48° 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.	Δ	Remarks	
			P		S		m		s							
	1934		m	s	m	s	m	s	m	s	h	m	h	m	o	
	Jan.															
1 ^x	3 ^x	9	152	36	160	45									59	Kamtchatka
2 ^x	15 ^x	8	156	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
6	Febr. 3	15									.5					Strong microseisms
7	March 29	20					24.7									Febr.12-March 26 no records.
8	April 3	18									.3					
9	6	19	121	46	31	53					.4				81	Japan
10	9	16														Faint preceding movement.
11	10	6									.2					
12	10	11									.5					
13	11	21					30	53	134	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					
19	May 3	8											4			
20	4	4	144	6	150	33	45.7		53.9		.9				43	e 46 ^m 6 ^s .Alaska
21	9	16														
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 ^x	16	5						17			23	Greenland Sea.
27	22	11					20.4					27				

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			P		S											
			m	s	m	s	m	s	m	s	h	m	h	m	o	
	1934															
	June															
28 ^x	2 ^x	13	46	0 ^x												Iceland
29	2	17									.1					Faint.
30	6	4									.5					
31	6	7									.0					
32	8	5					4.0					13				
33	9	13					26.1		29.1	1.0						Small preceding movement
																Mexico
34	12	9	42.2		50.1											Kurile Islands.
35 ^x	13 ^x	2	i 2	24	11	50	12	28	13	0		24			73	
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.
											.1					
54	18	7									.0					
55	18	12									.1					
56	18	14									.7					
57	18	16														
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					

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No.	Date	Hour	Forerunners						L	Undef.	Δ	Remarks				
			P		S											
	1934		m	s	m	s	m	s	m	s	h	m	h	m	o	
	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	145	59	53	13 ^x	47	52	56	54		60			51	S _o 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 ?
92	Aug. 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
112	Sept. 1	12									.1					
113	3	10									.8					Faint
114	4	16					57	14 ^x			1.6					Pacific Ocean
115	15	7	16	34	14	26	16	42	7	52		25			57	Mexico
116	21	12					58.1									
117	Oct. 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.		△	Remarks		
			P		S											
			m	s	m	s	m	s	m	s	h	m	h	m	o	
	1934															
	Oct.															
128	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. i_{P_Z} 52^m 36^s dilatation; i_{N,Z} 53^m 41^s; e_{N,Z} 54^m 15^s. i_S 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. i_{P_Z} 56^m 4^s, condensation. e_Z 56^m 52^s; in time-mark. PP 59^m 15. SKS 66^m 27^s large. S_{N,E} 66^m 47^s, very large oscillation. i_{SS} 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.

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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^m26^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^m11^s; e_E 32^m53^s. SS 36^m.1. e 40^m6.
- 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^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^h. Chile. Focus deeper than normal. iP , dilatation; i 12^m29^s larger than P. e_E 12^m57^s. S large; eS_N 22^m20^s, iS_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^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) 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^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^h. New Hebrides region. $\Delta = \text{ca. } 120^\circ$. 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^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^m52^s. M rather large.