

No. 6

1935.

GEODÆTISK INSTITUT

Copenhagen, Denmark

Bulletin of the Seismological Station

IVIGTUT

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

Lithologic Foundation: Gneiss.

Instruments: Wiechert 1000 kg. Horizontal Seismograph.
Wiechert 1300 kg. Vertical Seismograph.

Constants:

Component	T	v	r	V
	sec.		mm.	
N	9.0	3.7	0.2	175
E	9.2	4.3	0.3	210
Z	5.3	4.3	0.1	195

No.	Date	Hour	Forerunners				L	Undef	Δ	Remarks			
			P		S								
			m	s	m	s	h	m	h	m	o		
1	1935 Jan.	14			57	25	61.0		1.1				Asia Minor. Masked by microseisms.
2	4	16							.8				
3	23	7			42				.8				Aleutian Islands. Masked by strong microseisms.
4	26	17								56			
5	Febr.	17			24	40			32				Bering Sea. Preceding movement masked by microseisms.
6	25	3	0.4		7	37	0 52	8 9					P uncertain. Crete. Deep focus.
7	March	10							.9				Faint.
8	14	16							.7				"
9	30	21					42.0		1.0				
10	31	3							.8				
11	April	11											No Records. Badakshan.
12	3	9			31.9					34			
13	5	2							.3				Faint.
14	11	23	25	20 ^x	33	57	27 39	38.1	44		64		e _E 35 ^m .4. Persia.
15	18	22	18	54					23				Baffin Bay.
16 ^x	19 ^x	15	32	18	39	27	34 17	43.4	50		50		Mediterranean Sea.
17	19	18							.0				
18	19	20							.9				
19	20	5	119	57	27	3	21 54	30.9					S small, uncertain; e _N 27 ^m 17 ^s larger.
20	20	22	15	27			25 55	26.5	.7				Tripolis. Japan.

No.	Date	Hour	Forerunners						L	Undef.	△	Remarks				
			P		S		h m s						m s		h m	
			m	s	m	s	h	m					s	m	s	h
	1935															
	April															
21	21	8							.6							
22	24	19							.4			Faint.				
23	27	19							16							
	May															
24	1	10			42.2				50			Transcaucasia.				
25	7	6							.9							
26	11	19							28							
27	12	20							.9							
28	13	20							.7							
29 ^x	14 ^x	23				41.8	43	52	1.2			South Atlantic Ocean.				
30	15	2			23.0				.7			S small, uncertain. Baluchistan.				
31	16	21							.8							
32	17	13							.0			Faint.				
33	18	17							.7							
34	23	18	6	25	12	14			15		37	Atlantic Ocean.				
35 ^x	24 ^x	5					55	15	64.8			Philippines.				
36	26	22					30	5	1.1							
37	27	4							.4							
38 ^x	30 ^x	21	144	37	54	25	59.2		1.1		77	Baluchistan.				
39	31	8			39	32	42.5					Japan.				
	June															
40	2	9	28	8	37.8							Baluchistan.				
41	11	22							.4			Faint.				
42	18	23							.6			Faint.				
43	19	23							.3							
44 ^x	24 ^x	23					142	5	44.1			New Hebrides.				
45	25	12							1.1			Forerunners disturbed.				
46	28	3							.0							
47	28	19				21	7		.7							
48	29	6	58	43	66	40	59	38	62.1	1.3	58	SSS 72 ^m .8. Mexico.				
49	30	0							36							
	July															
50	5	18	3	58	13	4					69	Buchara.				
51	6	3							.9							
52	7	13							1.2			Small preceding movement.				
53	9	7							.5			Faint.				
54	9	12	34	32			45	12	45	24		PS 46 ^m .4. Chile.				
55	11	14							12							
56	13	15							.7							
57	16	16	32	14					1.1			Formosa.				
58	17	0							18							
59	17	0							.9							
60	17	4							58							
61	17	11					5	5	6.5	.7		PS 16 ^m .5. South Atlantic Ocean.				
62	19	1	2	7	12	26 ^x	2	13	12	18	83	East of Japan.				
63	26	5							.4							
64	26	11							.2							
65 ^x	29 ^x	7					57	2	159	1		South Pacific Ocean.				
	Aug.															
66	1	14					32	51	40.4	1.0		Pacific Ocean.				
67	1	16			26	7				32		Small preceding movement. Off Central America.				
68	1	18								19		Small.				
69	3	1					28	54	35.3	1.0		e 35 ^m .9. SS 44 ^m .4. Sumatra.				
70	3	12							.8			Faint.				

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			P		S						h m s	m s	h m	h m
			m	s	m	s	h	m	s	h	m			
	1935													
	Aug.													
71	4	2							.9					Faint.
72	4	9							.9					
73	7	9	12	52	21.4				.5			63		S small, uncertain. Colombia.
74	10	18				9.5			.5					
75	11	8							.2					
76	15	15							.0					Faint.
77 ^x	17 ^x	2				3 46	i 6 19		46					Pacific Ocean.
78 ^x	22 ^x	20										37		Baffin Bay.
79	23	15							.0					
80	25	5	i13	0	i17	25	14 22		19			25		P+. Spitsbergen.
81	26	16	35	18	39	46			42			25		Spitsbergen.
82	29	11							22					
83	31	17	51	28	61	2			1.2			74		P quite small. South of Kurile Islands.
	Sept.													
84	4	1	i35	43	i42	9	37 30	45 12	48			43		Alaska.
85	4	1	51	9			55.1	62 22	1.4					Formosa. Superposed on preceding shock.
86	4	4							.3					
87	6	10							37					
88	9	6					46.2		1.1					Caroline Islands. Masked by microseisms.
89	11	12							.9					
90 ^x	11 ^x	14	i15	41	i25	16	i25 39	i26 8	36			75		Yeso.
91	15	11							1.2					Faint preceding movement.
92	15	14					34.7		.9					Disturbed.
93	18	5	8.0		16.3				.4					Colombia.
94	18	8			45	26			1.0					Japan.
95	19	3							.4					Faint preceding movement.
96 ^x	20 ^x	2					5.8	6 59	.6					South of Caroline Islands.
97 ^x	20 ^x	5					43 32	53 17	1.2					Bismarck Archipelago.
98	20	22							.0					
99 ^x	23 ^x	9					38 44	48.5	1.1					Pacific Ocean.
100	24	6							.1					
101	24	22	20	32 ^x	27	11	22 15	30 30 ^x	33			45		Off Vancouver Island.
102	25	11							.3					
103	30	19	6	9	10	41			13			26		P masked by microseisms. North of Spitsbergen.
	Oct.													
104	7	5							.6					Faint.
105	8	9					47		53					
106	9	22							14					M large. Iceland.
107	11	22							1.1					Small preceding movement.
108	12	8							.2					Faint.
109	12	16	57	25	67	17 ^x	72.5		1.3			78		P small, the reading not certain. Japan.
110	13	2			19	23			.6					Japan.
111	14	10							35					Iceland.
112	15	20							53					
113	18	0	24	5	33	50	24 31	38.9	45			76		South of Kurile Islands. e 36 ^m .6. SS 38 ^m .
114	18	11					30.4	33.3	.8					Marianne Islands.
115	18	15	6	4	15	52	20.7		.5			77		P quite small. East of Japan.
116	19	5							.1					
117	20	10							44					Small.

No.	Date	Hour	Forerunners				L	Undef.	△	Remarks		
			P		S							
			m	s	m	s	h	m	h	m	o	
118	1935 Oct. 25	1						.1				
119	31	18						57				
120 ^x	Nov. 1 ^x	6	8	38	12	46	13	52			23	Canada.
121	1	16						1.1				Small preceding movement.
122	4	10						41				
123	10	18						.8				Strong microseisms.
124	14	21						.0				"
125	17	8						.7				
126	23	8			12.2		20.0					S small, uncertain. Off Ecuador.
127	25	11						.1				
128	30	3						1.1				Preceding movement masked by microseisms.
129	Dec. 8	23						.0				Faint.
130	14	1	141	39	50	14	43	51	50	47		e 54 ^m .o. Ecuador. Deep focus.
131 ^x	14 ^x	22	15	2	22	47	17	14	27.0		56	Guatemala.
132 ^x	15 ^x	7					29.0	38.2				Solomon Islands.
133	16	17	i 7	49	16	22	20.2					Ecuador. Deep focus.
134	17	14						.3				
135 ^x	17 ^x	19	31.2				34	55	41.6			East of Formosa.
136	18	7						.9				
137	18	17						.9				Faint.
138	20	19						.6				
139	21	12						26				
140 ^x	28 ^x	2	50.4				54	48	64.5	1.4		Sumatra.
141	28	19						27				Faint.

^xaffixed to number and date refers to Notes.

^xaffixed to time of phase indicates that beginning of phase is in time-mark.

Notes

- No. 16. April 19. 15^h. Mediterranean Sea. The beginning of P not quite certain; masked by irregular microseisms; second swing large. e 32^m53^s. PP 34^m17^s, larger than P. S very large. e_E 40^m14^s. e_N 40^m.5. SS_E 43^m.4 very large; immediately followed by L.
- No. 29. May 14. 23^h. South Atlantic Ocean; △ = ca. 125°. P' 41^m.8 small; PP 43^m52^s larger. e_{N,E} 44^m19^s. SKS 48^m.6. e 49^m.2. PS 53^m.4. SS 59^m.8.
- No. 35. May 24. 5^h. Philippines; △ = ca. 105°. PP 55^m15^s. SKS_N 61^m.8. SKKS 62^m36^s. PS 64^m.8. SS 70^m.2.
- No. 38. May 30. 21^h. Baluchistan. iP, condensation, followed by a train of oscillations; increase of movement 45^m.1. S_N 54^m25^s, S_E 54^m28^s, e 54^m49^s larger on N. e 56^m.5. SS 59^m.2.
- No. 44. June 24. 23^h. New Hebrides Islands region; △ = ca. 130°. iP' 42^m5^s,

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- condensation. PP 44^m.1. PKS 45^m.3. PS_Z 54^m59^s. PPS_E 56^m.2. SS 61^m.
- No. 65. July 29. 7^h. South Pacific Ocean; $\Delta = \text{ca. } 130^\circ$. Deep focus. eP' 57^m2^s quite small; i 57^m4^s. iPP_Z 59^m1^s; i 59^m9^s larger. PKS 60^m.3, large on N and E. e_E 61^m.6; e_N 62^m.0. In subsequent movement phases not clearly marked. e 75^m.6; 78^m.3.
- No. 77. Aug.17. 2^h. Pacific Ocean; $\Delta = \text{ca. } 130^\circ$. P_Z' 3^m46^s; iPP_Z 6^m19^s. PKS_{N,E} 7^m18^s. Later phases not clearly marked. e 13^m.6; PS 16^m.7; PPS 18^m.4. SS 23^m.5; 24^m.4. SSS 28^m.8.
- No. 78. Aug.22. 20^h. Baffin Bay. e 37^m33^s. Possibly a small earlier beginning masked by microseisms. L irregular.
- No. 90. Sept.11. 14^h. Yeso. iP, condensation, large on Z and N. e 22^m.0. iS 25^m16^s very large on N; i PS_E 25^m39^s and i_E 26^m8^s very large. e_E 26^m59^s. SS 30^m.5. L_Q waves large, of long period. M not very large; focus probably deeper than normal.
- No. 96. Sept.20. 2^h. South of Caroline Islands; $\Delta = \text{ca. } 120^\circ$. P_Z' 5^m.8 small. PP_Z 6^m59^s; e 7^m24^s. e_Z 8^m14^s. e_N 11^m.9. SKS 12^m47^s. SKKS 14^m17^s. e_E 15^m11^s; 15^m54^s. PS 17^m10^s. SS 24^m.0.
- No. 97. Sept.20. 5^h. Pacific Ocean; $\Delta = \text{ca. } 120^\circ$. PP 43^m32^s. SKS 48^m58^s; SKKS 50^m39^s. PS 53^m17^s. SS 60^m.2.
- No. 99. Sept.23. 9^h. Pacific Ocean; $\Delta = \text{ca. } 120^\circ$. PP 38^m44^s preceded by small movement. SKS 44^m.2; SKKS 45^m44^s larger. PS 48^m.5. SS 55^m.6.
- No.120. Nov.1. 6^h. Timiskaming, Canada. The beginning of P small, the reading not quite certain; increase of movement i_Z 8^m40^s; i_Z 8^m44^m.
- No.131. Dec.14. 22^h. Guatemala. The beginning of P not quite certain, possibly earlier than read. PP 17^m14^s; PPP 18^m26^s larger. S 22^m47^s. e 24^m.1. SS 27^m.0; SSS 29^m.1 followed by L. M large.
- No.132. Dec.15. 7^h. Solomon Islands; $\Delta = \text{ca. } 125^\circ$. No definite beginning; later phases not clearly marked. (PP) 29^m.0. e 30^m.4, 35^m.9. PS 38^m.2; e 39^m.4; 42^m.3. SS 45^m.1.
- No.135. Dec.17. 19^h. East of Formosa; $\Delta = \text{ca. } 95^\circ$. P small. PP 34^m55^s. SKS_N 41^m.6. (S)_E 42^m20^s. PS 43^m.6; e 47^m.8. SSS 53^m.
- No. 140. Dec.28. 2^h. Sumatra; $\Delta = \text{ca. } 115^\circ$. Phases clearly marked. P 50^m.4 and P' 53^m.9 quite small. PP 54^m48^s, 55^m0^s. PPP 57^m.7. SKS 60^m47^s. e 62^m.4; 62^m51^s. PS 64^m.5, e 66^m.5 large. SS 70^m.6; SSS 74^m.9.