No. 7 1936.

GEODÆTISK INSTITUT

Copenhagen, Denmark

Bulletin of the Seismological Station

IVIGTUT

φ = 61° 12' N. λ = 48° 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	3.6	0.2	175
E	9.2	4.3	0.3	210
Z	5.4	4.4	0.1	195

No.	Date	Hour	Forerunners P	Forerunners S			L	Undef.	Δ	Remarks
	1936 Jan.		m s	m s	h m s	m s	h m	h m	o	
1	2	0			42.7	46.4	49			Spitsbergen. Forerunners masked by strong microseisms.
2	2	23					.5			
3	14x	6			13.7		.4			
4x	14x	14	24 18		i26 28	i33 50				Argentina.
5	14	18			3 39		.7			Forerunner uncertain, masked by microseisms.
6	18	1					42			
7	20x	8					32			
8x	20x	17			21.8	25.5	47			Southeast of Philippines.
	Feb.									
9	7x	9					33			Strong microseisms.
10x	15x	13			7 29	17 27	.7			Banda Sea.
11	16	15					34			
12	21x	17					.9			
13x	22x	15			51.9	56.0	1.8			Pacific Ocean.
14	22	20					.8			Small preceding movement.
15	28	3					.5			
	Mar.									
16	1	11					.9			Faint.
17	2	3		40 37	41 0		.9			P masked by microseisms. Yezo.
18	6	15					.5			
19	20	19					.3			Faint.
20	21	0					.9			
21	22	13					15			
22	25	8					46			North Atlantic Ocean.
23	25	9	0 50				3			" " " L large.
24	25	11					37			North Atlantic Ocean
25	25	23					57			" " "

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No.	Date	Hour	Forerunners. P	Forerunners. S			L	Undef.	Δ	Remarks
	1936		m s	m s	h m s	m s	h m	h m	o	
	Apr.									
26x	1x	2	24 15		29 1	35 12	.9			Pacific Ocean.
27	1	20			305	40.2	.9			" "
28	2	7					.2			
29	12	21			10 18	19 41	.6			SS 26m.0. Marianne Islands.
30x	19x	5			27 50	37 50	1.0			Solomon Islands.
31	19	9					.9			Small preceding movement.
32	22	10					.4			
33	23	23	i24 48				.8			P -. Aleutian Islands.
34	27	0			22 35		.7			No Z record.
35	27	6					.9			
	May									
36	6	3			592					
37	8	17						40		
38	11	17			535	54.5	1.4			PS 57m.7. East of New Guinea.
39	16	7			292		.8			
40	19	22					.4			
41x	20x	3			287	35.3	56			Solomon Islands.
42	21	3					.9			
43	22	1					.1			
44	23	0					.6			Faint.
45	25	4					.1			
46x	27x	6	31 36	41 50	427	46.5	.9		82	Himalaya.
47	28	18	59 40	68 24	69 37	76.0	80		65	Pacific Ocean off Mexico.
	June									
48	3	3			169	17.7	32			
49	3	9	24 9	31.5			38		52	P and S quite small. Pacific Ocean off California.
50	7	4	3 45	8 3			10		24	Greenland Sea.
51	7	4	43 13	47 30x			50		24	" "
52	9	17					.6			
53	10	3			509		1.1			
54x	10x	8			41 59	50 20	1.2			New Guinea.
55	10	19					4			No N and E records $13^d 11^h$ - $14^d 13^h$.
56	14	17					35			
57	16	1					.5			
58	20	6					42			
59	20	8					36			
60	22	19			428		50			
61	23	19						0		Faint.
62	25	17			13 57					
63	26	5					5			Small.
64	27	3					23			Off Iceland.
65	27	3					27			" "
66	28	8			338					
67	29	14	i41 3	49 59	42 23	51 31			68	P +. Afghanistan. Deep Focus.
68x	30x	15	i17 23	i26 7	20 9	21 38	38		66	Off Kamchatka.
69	30	19		46 15	410		1.0			Afghanistan.
	July									
70x	3x	4					.0			
71x	5x	19			14 32	25.5	.8			Celebes Sea.

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No.	Date	Hour	Forerunners P	Forerunners S		L	Undef.	Δ	Remarks
	1936. July		m s	m s	h m s	m s	h m	o	
72	10x	3				10			
73x	13x	11	i24 59	35 40	36.7	41.5	48		Chile.
74	16	7			22,1		29		
75	23	7					.7		Faint.
76	23	19					.5		
77	26	7	i49 40	i60 18	59.9	61 21	1.2		eP 49m38s, uncertain. SS 65m.9. Chile.
78	28	6					.2		
79	28	8					.9		
80	31	18					7		
	Aug.								
81	1	7					.1		
82	1	8			18 57		33		
83	7	6					9		
84	8	4			29.6		.7		
85	13	2					11		
86	13	20			21 40		.9		
87	17	14			30.4		1.0		
88	18	7	i17 6	25 11			36	59	Pacific Ocean off Mexico.
89	22	7			8.9	15 29x			SS 23m.7. Formosa.
90x	23x	21			i30 58	37 33x			Sumatra.
91	24	22			.9		1.7		
92	26	21		41.7			1.0		Pacific Ocean off Peru.
	Sept.								
93	3	5					40		Faint.
94	4	8			33 6		1.0		
95	6	18					.8		
96	18	19			2 3		.5		
97	19	1			22.0	27.0			PS 30m.8.SS 36m.3. Sumatra.
98	19	7					.4		
99	21	12					12		
100	21	15					39		Iceland.
101	21	16					18		"
102	21	16					32		"
	21								No records 16h45m-17h52m.
103	21	18					17		Iceland.
104	21	20					35		"
105	25	13		9 41	13.2		14		No Z record. Pacific Ocean.
	Oct.								
106x	3x	22			15.7	19.9	48		East of Mindanao.
107x	5x	0			16.5		1.0		
108x	5x	10			4 10	13.9	.7		East of Mindanao.
109	16	13					.0		
110	18	3					32		
111	19	6					46		
112	19	7					23		
113	19	7					52		
114	19	13					.1		Forerunners disturbed.
115	22	23					58		Strong microseisms. Iceland.
116	23	0					8		Strong microseisms. Iceland.
117	23	6	32 35	39 17	34.5	42 8	46	46	Alaska.
118	26	23	i 9 58	13 36	13 43		15	20	P-. Jan Mayen.
119	29	19					.5		Strong microseisms.

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No.	Date	Hour	Forerunners P	Forerunners S	Forerunners	Forerunners	L	Undef.	Δ	Remarks.
	1936 Oct.		m s	m s	m s	m s	h m	h m	o	
120	31	18					8			Small.
	Nov.									
121	2	15					.6			Exceptionally large microseisms.
122	12	2			33.2		1.1			
123	12	5					.1			
124	13	12	41 40	50 2			57		62	Very strong microseisms. Pacific Ocean off Kamchatka.
125	15	23					.0			
126x	19x	21	19.9	27 44	31.7	34 39	38		56	Guatemala.
127	22	18	28 58	36 46	41.2	43 40	.8		56	P small, uncertain. Guatemala.
128	26	2					.7			
	Dec.									
129	21	19		17 55	13.1		25			Queen Charlotte Island.
130	21	19					50			Queen Charlotte Island. Superposed on preceding shock.
131	25	20					.6			
132	26	23			15.5					Faint.
133	27	0					.9			
134	29	14					34			
135	29	15			8.5	13.4	.6			PS $17^m.9$; SS $24^m.6$. East Indies.

x affixed to number and date refers to Notes.

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

Notes

No. 4. Jan.14. 14^h. Argentina; Δ = ca. 90^o. Deep focus. P 24^m18^s, small. ipP 26^m28^s; e_E $26^m.8$. iSKS 33^m50^s, large on N. i 34^m23^s, large on E. e_N 35^m23^s; e_E $35^m.8$; e_E 36^m40^s; e 36^m57^s; e $38^m.3$.

No. 8. Jan.20. 17^h. Southeast of the Philippines; Δ = ca. 110^o. No Z record. SKS_N $21^m.8$. e $23^m.1$; 23^m25^s. PS $25^m.5$. SS $31^m.6$; SSS $36^m.1$.

No. 10. Febr.15. 13^h. Banda Sea; Δ = ca. 120^o. PP 7^m29^s; PPP $10^m.5$; $SKKS_N$ $14^m.4$; e_E 15^m31^s. PS 17^m27^s, large on N. PPS $19^m.3$; e $20^m.0$. SS $23^m.7$ and SSS $28^m.8$ large on N.

No. 13. Febr.22. 15^h. Pacific South of New Zealand; Δ = ca. 160^o. Phases not clearly marked. P_1' $51^m.9$. PP $56^m.0$. $SKKS_E$ $63^m.0$. (SKSP) $66^m.3$. e_E $68^m.1$.(PPS) $69^m.6$.

No. 26. April 1. 2^h. Pacific Ocean east of Philippine Islands; Δ = ca. 110^o. P_Z 24^m15^s, small. P' 27^m43^s. e 28^m53^s; PP 29^m1^s large. e_Z $32^m.6$. SKS_N 35^m12^s; $SKKS_N$ $36^m.0$. S_n 36^m48^s. PS 38^m35^s. e_N $39^m.8$; e_E $40^m.3$. e_E $44^m.4$. SS $44^m.9$. SSS $48^m.8$.

No. 30. April 19. 5^h. Solomon Islands; Δ = ca. 125^o. PP 27^m50^s. e_E $29^m.5$; e_N $32^m.2$. PS 37^m50^s, followed by oscillations. SS $44^m.7$; $45^m.5$. SSS $49^m.0$; $49^m.9$.

No. 41. May 20. 3^h. Solomon Islands; Δ = ca. 125^o. Phases small and not very clearly marked. Z record masked by microseisms. PPP $28^m.7$; SKKS $32^m.3$. (S) $33^m.6$. PS $35^m.3$. SS $42^m.9$. SSS $47^m.8$. L_Q 56^m.

No. 46. May 27. 6^h. Himalaya. P 31^m36^s, condensation. S 41^m50^s clearly marked on N; e_E 41^m58^s. PS $42^m.7$. SS $46^m.5$.

No. 54. June 10. 8^h. New Guinea; Δ = ca. 125^o. Deep focus. Quite small, but clearly marked beginning on Z 41^m59^s. e_N $43^m.7$. e_E $48^m.1$. e_N 50^m20^s. e_E 52^m44^s. e_N $54^m.0$.

No. 68. June 30. 15^h. Off Kamchatka. iP(-1.2, +0.6, +1.7; +1.9, -1.0, -3.3). P_cP 18^m23^s. PP 20^m9^s; PPP 21^m38^s. e_Z 25^m38^s. iS 26^m7^s. S_cS $27^m.3$. SS 30^m18^s; SSS 33^m36^s.

No. 71. July 5. 19^h. Celebes Sea; Δ = ca. 120^o. PP 14^m32^s. e 20^m56^s; 21^m58^s; $22^m.0$. PS_Z $25^m.5$. SS $30^m.6$.

No. 73. July 13. 11^h. Chile; Δ = ca. 88^o. iP_Z, condensation. $eSKS_N$ $35^m.1$. iS 35^m40^s, large. PS $36^m.7$. SS $41^m.5$. L_Q 48^m; L_R 56^m. L' $13^h.5$.

No. 90. Aug.23. 21^h. Sumatra; Δ = ca. 110^o. Some depth of focus. iPP 30^m58^s, large, preceded by small movement masked by microseisms. SKS 37^m33^s; e $38^m.4$. PS 40^m44^s. e 45^m27^s; $45^m.8$. e 56^m.

No. 106. Oct.3. 22^h. Pacific Ocean east of Mindanao; Δ = ca. 115^o. Quite small beginning about $22^h.2$. The other forerunners small, phases readable on N only. SKS $15^m.7$. SKKS 17^m2^s. PS $19^m.9$; PPS $21^m.1$. SS $26^m.4$. SSS $30^m.1$.

No. 108. Oct.5. 10^h. Pacific Ocean east of Mindanao; Δ = ca. 115^o. PP 4^m10^s, large on Z. SKS 9^m56^s; SKKS $11^m.2$. PS $13^m.9$. SS $20^m.1$.

No. 126. Nov.19. 21^h. West coast of Guatemala. P small, masked by microseisms. PPP $23^m.6$. S 27^m44^s. SS $31^m.7$; SSS 34^m39^s large on N.