

Geodætisk Institut
 Proviantgården, Copenhagen, Denmark.



Bulletin
 of the seismological station

SCORESBY-SUND

$\varphi = 70^{\circ} 29' N.$ $\lambda = 21^{\circ} 57' W.$ $h = 69 m.$

Lithologic foundation: Gneiss.

No. 22. Jan.—Dec. 1948

Instruments:

Galitzin-Wilip seismographs.

Constants:

Component	l	A_1		T_1	μ^2	T	k
	cm.	cm.		sec.		sec.	
N	12.0	100	$1/1-26/3$	11.91	-0.1	11.9	105
			$26/3-25/5$	"	0.0	11.4	105
			$25/5-4/8$	"	0.1	11.2	104
			$4/8-31/12$	"	0.1	11.9	101
E	12.0	100	$1/1-17/2$	13.00	-0.1	12.4	94
			$17/2-28/2$	12.02	0.06	12.4	95
			$28/2-1/5$	"	0.1	11.9	114
Z	14.9	100	$1/5-31/12$	"	0.1	12.0	108
			$1/1-9/4$	10.02	0.1	8	100
			$9/4-2/8$	"		10-11	100
			$17/8-31/12$	"	0.1	9.7	99

Scoresby-Sund.

No.	Date	Hour	Forerunners				L	△	Remarks			
			P or P'		S							
			m	s	m	s	m	s	h	m	°	
1	1948 Jan. 6	17	34	33 +	43	48	37	6	1.0	71	No E record. Mexico. Aleutian Islands. Masked by microseisms. No records 11 ^h 12 ^m -14 ^h 26 ^m . 7 ^m 53 ^s . SKS 10 ^m 36 ^s . 10 ^m 51 ^s . No Z record. Phillipine Islands. Strong microseisms. 35 ^m 6 ^s . Strong microseisms. Turkestan. SS 63 ^m .3. Arabian Sea.	
2	16	11	18	26	26	38	22	10				
3	17	7					35	35				
4	22 24	18	0	8			3	51		6		44
5	26	14					18	37		19		56
6	27	12			8	49	12	41		14		53
7	28	16							25			
8	29	1										
9	30	8	54	34 +	63	19	57	11		58		41
9	Febr. 9	13	i 6	21	12	42	7	58		14		43
10	9	15							.6			
11	18	20	33	55	i 37	14	i 33	56		34	57	
12	23	9					45.3			55	5	
13	27	2					29	33	68			
14	28	2	6	40 +	13	46	8	30	22	49	Queen Charlotte Island.	
15	March 1	1	26	59			30	4		30	38	
16	3	9	22	39 +	33	24	25	52		26	6	
17	21	22							39			
18	22	21					50.3		1.1	60.6		
19	23	18	21	12 -	29	7	30	34				
20	24	5					38	27		44	36	
21	28	18							46			
22	29	10					37	11				
23	29	12					12	15		13	23	
24	29	20							53			
25	April 12	9					9	9		16	44	
26	17	16	i 23	16	32	43	24	5		25	57	
27	18	12					39	8		44	30	
28	21	6							21			
29	21	15							35			

Scoresby-Sund.

No.	Date	Hour	Forerunners				L	△	Remarks				
			P or P'		S								
			m	s	m	s	m	s	h	m	°		
30	1948 April 21	20	32	0 +	40	8	32	5		32	52	59	33 ^m 37 ^s . PP 34 ^m 18 ^s . 36 ^m 2 ^s . 39 ^m 34 ^s . 40 ^m 17 ^s . SS 44 ^m .2. Near northeast coast of Dominican Republic.
31	22	0	38	17	46	20	46	33		50.2		59	Aftershock.
32	22	10							33				
33	22	10	50	14	56	12	51	42				39	Greece.
34	22	13					27	1				37	
35	23	12	0	20 +	8	20	8	33				.3	58
36	23	20	19	58								22	
37	26	9										34	
38	26	9	36	40 +	40	16						20	North Atlantic Ocean.
39	May 1	15	22	56								25	
40	3	5										22	
41	8	2	i 57	4 +	65	43							
42	11	9	i 8	58 +			i 9	16		i 9	37		
43	12	1	i 8	18 +	17	35	10	40		18	8		71
44	12	12	2	35					5				
45	14	13	30	30	39	48	40	11					72
46	14	18	50	29	59	10			65				Japan. Pacific Ocean.
47	14	22	40	52	48	11	i 40	54		42	57		51
48	15	2	50	54					67				
49	17	17	57	39 +	64	55	59	39		67	31		51
50	20	7					15	4		16	2		
51	22	19	41	44									
52	23	4					32	59		33	57		
53	25	7	22	51	32	16	i 23	8		25	50		73
54	25												
54	26	9	25	42	32	48	27	40		36	21		49
55	26	14											
56	28	5					59	43		60	6		
57	28	15					4	47					14
58	29	4	55	30			56	41		62	43		
59	29	6											
60	29	8											
61	29	14					22	45					.6
62	31	15					1	52		6	23		9
63	June 1	19								19	52		20
										20	32		39

Scoresby-Sund.

No.	Date	Hour	Forerunners				L	△	Remarks
			P or P'		S				
			<i>m s</i>	<i>m s</i>	<i>m s</i>	<i>m s</i>	<i>h m</i>	°	
64	1948 June	13		59 27					
65	2	3			42.0	48.8			
66	15	11	56 26	66 0	56 33	61 49		75	
67	15	21			24 43			51	
68	17	14	17 19		19 16				
69	18	1			13 41	19 25			
70	19	15					6		
71	21	12			23 42	25 18			
72	24	2					9		
73	24	2					15		
74	27	0	20 4	29 43				75	
75	27	12	59 0—	67 41	72.3			65	
76	27	21	48 13 +	55 18	50 10	55 35		49	
77	28	7	24 57	34 21	25 16	35 47		73	
78	29	10	47 32		<i>i</i> 49 3	54 25			
79	29	16	<i>i</i> 14 35 +	21 9	16 4	21 27		44	
80	30	12	28 41 +	34 38	30 8			38	
81	July	15			47 28		49		
82	3	14	3 22	11 25	6 40	17 4			
83	6	13					37		
84	7	2	30 57	40 38	33 54	35 40			
85	8	4			43.5	47.6	50		
86	8	9					3		
87	8	12			24 19	25.5			
88	8	12	36 2 +	37 2				5	
89	9	15					36		
90	10	5					0		
91	14	22			48 25	49 23			
92	15	11	14 6	23 58	17 1	29 4	39	78	
93	15	17					22		
94	16	7			28.0	30 45			
95	18	7			2.2	7.6			
96	18	22			49 40	59 15	78		
97	20	1			1 26	8 27			
98	20	11	15 34 +		18.7	23.2			
99	20	15					27		
100	21	14					28		

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No.	Date	Hour	Forerunners				L	△	Remarks
			P or P'		S				
			<i>m s</i>	<i>m s</i>	<i>m s</i>	<i>m s</i>	<i>h m</i>	°	
101	1948 July	13					14		
102	22	18			7.9		15		
103	22	20		21 28	25 7		28		
104	22	21		8 44	12.1		16		
105	23	12			40.6	56.3			
106	23	20	59.1						
107	23	21	11 0						
108	24	6	<i>i</i> 11 16	<i>i</i> 17 43	11 28	11 36			
109	29	0	43 47	52 40					
110	29	0	47 33						
111	30	3	39 42	47 22				55	
112	31	19		25 16			36		
113	Aug. 3	17			40.3		1.1		
114	4	23			41 14		70		
115	7	14	51 51	61 22	51 58	52 52	78		
116	10	13			34 51		.8		
117	11	10	47 12	56 5	47.8		59		
118	12	22	43 58		46.5	47 25	1.4		
119	14	17	7 17	16 41	9 58	17 6	.5		
120	17	5					46		
121	17	17			20 51	30 0			
122	17	19					40		
123	17	22					50		
124	18	19		21 12	24 32		32		
125	19	13	58.6	64 51	59 8	60 20			
126	19	20	10 48	20 26	20 50	22 41		75	
127	20	19			4 16	11 36	37		
128	21	17					31		
129	23	11			52 53		54		
130	25	6	23 10		26.5	27 11			
131	26	20		<i>i</i> 58 45					
132	26	21		15 53					
133	28	2	37 26	44 56	39 16	40 45	54	53	
134	28	20					37		
135	29	17			58.6	63 54			

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No.	Date	Hour	Forerunners				L	△	Remarks			
			P or P'		S							
			m	s	m	s	m	s	h	m	°	
136	1948 Aug. 29	23	41	39	51	35	52	17	56.7	78		South of Japan.
137	30	1	39	40	40	45				6		The reading of S uncertain.
138	Sept. 1	19								51		
139	1	20								27		Superposed on preceding shock.
140	2	23					49	13	52 51			53 ^m 4 ^s , 54 ^m 33 ^s , 56 ^m .7. SKS 59 ^m 25 ^s . SKKS 59 ^m 48 ^s . 61 ^m 48 ^s . Off Mindanao.
141	4	15							39.2			45.7
142	6	8							34 38			37 2
143	7	8			32	35			33 55			
144	8	15	25	13					28 19			30 20
145	10	13	i 59	20	68	5	63	37	68 25			
146	10	17								53		
147	11	0								23		
148	11	2								12		
149	11	5								44		
150	11	9			6	20	0.8		2.5			SS 9 ^m .5. Greece.
151	21	17					57	29	58 9			64 ^m 31 ^s .
152	23	1			12	37				23		Japan.
153	23	15			30.8					43		Japan.
154	24	21					8.5		16.8	29		Phases in preceding movement not clearly marked. New Guinea.
155	24	23	40	39			51	3		67		Phases small, the readings uncertain. Philippine Islands.
156	25	3					33.5		38.6	1.0		
157	26	1					19	30	24 45			25 ^m 40 ^s . 28 ^m 50 ^s . 29 ^m 37 ^s . Solomon Islands.
158	Oct. 5	20	i 21	16	28	25	22	37	23.2	50		24 ^m 24 ^s . The trace is faint, records difficult to read. Iran.
159	15	23					6.7			26		
160	21	5										
161	21	5					21	46	31 26			Solomon Islands.
162	28	14								.7		
163	28	20	i 56	56	66	20	59	38	67 31	81		SS 70 ^m 50 ^s . No Z record. Japan.
164	Nov. 1	12	15	18 +	22	52	18	33	25 17		54	Kamchatka.
165	3	5					40	33	57 45	72		Loyalty Islands.
166	14	6					36	19				
167	17	19					37.5					Very strong microseisms.
168	18	0					43.5					Very strong microseisms.
169	19	1	15	43	24	59				35	71	No E record. Costa Rica.

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			P or P'		S							
			m	s	m	s	m	s	h	m	°	
170	1948 Nov. 21	19					30	46	31 26	61		PS 40 ^m .3. SS 47 ^m 11 ^s . Hebrides Islands.
171	22	9					16.8		24.7			20.5
172	22	23							36 59			25 11
173	26	5							56 22		91	65 39
174	28	22							4.7			
175	Dec. 4	19							33 52			35.1
176	23	8	50	33	58	17	50	40	61 59	65		Very strong microseisms. 39 ^m 53 ^s . Bonin Islands. Masked by microseisms. Kamchatka.