

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 (approximate values):

Component	T	v	V
N	sec. 8.8	3.5	180
E	8.8	4	215
Z	5	4	195

No.	Date	Hour	Forerunners				L	Δ	Remarks.			
			P or P'		S							
			m	s	m	s	m	s	h	m	o	
	1945 Jan.											
1	1	1							28			Baffin Bay.
2	5	20							57			
3	12	18	50	58								No time-marks on N and E. Japan.
4	17	10							14			
5	17	11							0			
6	18	3							17			Atlantic Ocean.
7	18	3							50			" "
8	18	4							3			" "
	Febr.											
9	1	11							.8			
10	1	12							1.3			
11	10	5	9	51	19	34	36	21	20	27		Masked by strong microseisms, readings uncer- tain. Japan.
12	13	11							39			
13	18	10			29	48			43			No time-marks on N and Z. Japan.
14	26	22					38	59	1.0			
	March											
15	11	22					0	15	16			No Z record. Japan.
16	18	0			16	5			26			Off coast of Columbia.
17	18	19							24			
18	18	23					25	15				
19	19	1							5			

No.	Date	Hour	P or P'	S				h	m	o	Remarks.
20	March 20	8	m s	m s 16 11	m s	m s			24		S quite small. Turkey.
21	23	23							84		Forerunners small.
22	April 1	23							72		California.
23	15	2	45 23	53 31	49.3	55 17			60	59	57 ^m 28 ^s . Off east coast of Kamchatka.
24	15	3	51 33					1.1			Superposed on preceding shock. P quite small, the reading uncertain.
25	15	20							18		
26	19	13			26 41						Distrubed.
27	21	17		31 35	27 26	27 45					33 ^m 44 ^s . Mexico.
28	May 10	18	5 20	15.5						81	P and S quite small. Peru.
29	13	20							55		
30	19	8	5 34	13 41	17.6					59	Off southern coast of Mexico.
31	19	15	16 3	23 14	18 3	26.6			31	50	27 ^m 28 ^s . California.
32	June 1	15		31.4					46		Aleutian Islands.
33	3	13	15 32						26		Panama.
34	4	12	21 7	31 7						79	Northern India.
											No records June 5. to July 31.
35	Aug. 1	23							.2		
36	2	21			2.1				6		
37	3	4	121 45+		32.7				37		South of Panama.
38	7	22			31.3						
39	8	10			19 5				.7		
40	10	11	29 41	37 26					.8	56	P and S quite small. No E record. Guatemala.
41	11	1							.0		Peru.
42	21	16	141 4-		50 30	51 21					
43	21	20			25 15						
44	22	6							.4		
45	27	7			58.4	59.1					
46	29	10	41.9		43 44	55.4				75	P' small, uncertain. New Hebrides.
47	31	0							.6		
48	Sept. 1	23	3 57		4 31	8.0					10 ^m 7.15 ^m 13 ^s .17 ^m 8.21 ^m 4.29 ^m 0. South of New Zealand.
49	2	12	3 22+	10 55	11 31						Eastern Mediterranean Sea.
50	5	22								38	Deeper than normal Forerunners not clearly marked.

No.	Date	Hour	Forerunners				L	△	Remarks.
			P or P'		S				
51	Sept. 6	2	m s	m s	m s	m s	h m	o	
52	9	4	22.2		25 26	26 37	.5 1.1		New Hebrides Islands.
53	13	11			40 56	43 32			Chile.
54	14	2		19 20			25		Mid-Atlantic Ocean.
55	28	22	33 1	40 6	43.7		48	49	Off California.
56	Oct. 7	13	33 10+	41 16	36 42	45.6	51	59	Coast of San Salvador.
57	9	14	148 3-	157 34	58 10		68	74	East of Hokkaido, Japan.
58	15	8			22.1	27 34	.9	23	Molucca Islands.
59	16	16					.2		
60	21	4			17.0	12 41	20 54	27	East of Kamchatka.
61	25	15					.4		
62	26	14							S quite small, the reading uncertain.
63	27	11	133 52+	41 33	36 2		.3		Guatemala.
64	28	8							Masked by micro-seisms.
65	29	11							
66	Nov. 3	22			24.3	28 5	32		
67	8	9	110 24+	14 31			17	23	East of Greenland.
68	8	10	7 40	11 46			14	23	" " "
69	16	18					23		
70	27	22	8 54-		12 23	14.0			19 ^m .2. SS 24 ^m .5. No N or E records. Arabian Sea.
71	Dec. 8	1			34 56	36.2			
72	27	5					.7		Masked by micro-seisms.
73	28	18			9 27	14 57			SKKS 16 ^m 27 ^s .18 ^m .2. PS 19 ^m 28 ^s .PPS 21 ^m .1. SS 26 ^m .3. No Z record. Bismarck Arch.