

No. 11.

GEODÆTISK INSTITUT
Copenhagen, Denmark.

1941.

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:

Component	T	v	r	V
	sec.		mm	
N	8.7	3.6	0.1	180
E	8.8	3.8	0.5	215
Z	4.9	3.1	0.1	190

The United States Coast and Geodetic Survey aided in the maintenance of the station during the German occupation of Denmark and published the readings of the records for December 1939 and for 1940, 1942 and 1943. For 1941 the time-corrections were not available. They have now been computed from observations, but these were not taken daily, and there is an uncertainty of about 1 sec. in many of the corrections applied. For Jan. 20 and 21. and for February 9. the uncertainty is greater.

No.	Date	Hour	Forerunners				L	△	Remarks.
			P or P'		S				
			m	s	m	s	m	s	
	1941 Jan.								
1	11	8	43	48					No records Jan. 1. to Jan. 7. 13 ^h . Southern Arabia. SS 64 ^m .5. New Britain. Cyprus. India.
2	13	16	47	0	48	4	58	3	
3	20	3	46	40					
4	21	12	54	23					
	Febr.								
5	9	9	53	2	60	4	55.0	63.5	49 63 ^m .9. California. 58 Off Mexico. 70 Iran.
6	9	19					50.1		
7	11	14	45	14	53	13		1.3	
8	16	16	150	6-	59	15	60	6	

I V I G T U T

No.	Date	Hour	Forerunners				L	Δ	Remarks.		
			P or P'		S						
			m	s	m	s	m	s			
9	March 15	5			63	20			California, Kurile Islands.		
10	16	7			62	20		73			
11	16	17						76			
12	21	8	7	39	15	20		.0	55 Atlantic Ocean.		
13	April 1	10	49	58-	56	55	60	52	65 48 South of Kodiak Island.		
14	3	15			17	38			Foresock of following shock.		
15	3	15	133	48-	44	1	33	50		34 48	
16	7	23	38.0		45	11	40.2	48.6	86 43 ^m 54 ^s .45 ^m 2.45 ^m 33 ^s . 45 ^m 54 ^s .49 ^m 42 ^s . Near Bolivia-Argentina border. Depth about 250 km. 49 ^m 3. Caribbean Sea. Masked by micro-seisms. No records 15d 18 h to 21d 15 ^m . Anatolia.		
17	27	13	10	47							
18	May 5	15	29	50					Manchukuo.		
19	8	7						2			
20	13	16	10	43	17	56	12.8		26 51 California.		
21	16	7			38	31	38	8			
22	16	9							27 Burma. Faint preceding movement.		
23	17	2			44	28	45.5	76			
24	June 9	6	26	13	33	15	33	47	36.9	41 49 Off Oregon coast.	
25	9	9						8			
26	16	18			132	4	132	8		Probably not seismic.	
27	16	18						35			
28	16	21						16	13 North Atlantic Ocean		
29	18	11	111	56-	14	17					
30	26	12	5	57			6	13	9	49	34 10 ^m 17 ^s .PPP 12 ^m 17 ^s . 14 ^m 16 ^s .SKS 16 ^m 20 ^s . 17 ^m 53 ^s .18 ^m 58 ^s .SS 24 ^m 16 ^s .Bay of Bengal.
31	July 1	8							1.0 18 Small preceding movement.		
32	3	7									
33	16	3					35.7		40		
34	19	6							12		
35	19	9					34.2		35		
36	24	14					16	44			
37	30	1	59	36+	66	17	61	34	66	30	73 45 69 ^m 8. Alaska.

I V I G T U T

No.	Date	Hour	Forerunners				L	△	Remarks.			
			P or P'		S							
			m	s	m	s	m	s	h	m	o	
38	Aug. 2	12					3.7	4	11			SS 21 ^m .0. Kermadec Islands
39	4	11			11	38				24		First part of records disturbed.
40	6	6	24	8	31	22	32	26	33	38		Aleutian Islands. Deeper than normal.
41	9	15									33	Alaska.
42	9	15									40	
43	15	6	17	43	24	10	27.6				43	Atlantic Ocean.
44	Sept. 4	10	40.5				42.0	51	54			P' quite small.
45	7	0	55	36	59	37				61	23	New Britain. Arctic Ocean.
46	9	7	38	37			40	14	40	57	74	50 ^m .1.51 ^m 51 ^s . Solomon Islands.
47	12	7					22.1	31.8				
48	13	18	24	58	33	0	34	10	45		58	Off Mexico.
49	14	19							4			
50	16	21					61	56	62	11		SS 78 ^m .8. Kermadec Islands.
51	17	7					12	54	14	14		17 ^m .0. Celebes Island region.
52	18	13	125	58-	35	41						Deeper than normal.
53	24	1	12.1		21.0					34		Peru. Masked by microseisms.
54	Oct. 3	16	22	0+	29	5	23	53	32.6	36	49	Kamchatka. California.
55	Nov. 5	18								.5		Small preceding movement.
56	6	12	39	8	46	35					53	Aleutian Islands.
57	8	23					57	21	64	55	85	73 ^m .8. Celebes Sea.
58	18	16					59	25	69	43		71 ^m 3 ^s . Very strong microseisms, readings uncertain.
59	25	18	110	5	115	8						Japan. P(-4.1,+5.1,-6.0); strongly increasing amplitudes.
60	Dec. 5	20	56	55			57	14	60	46		Atlantic Ocean, felt in Portugal.
61	6	21	34	36	42	57	34	54	43	39	61	64 ^m 13 ^s .65 ^m 10 ^s . Costa Rica.
62	16	20										" "
63	26	15					14.1				.1	" "
										33		