

No. 12.

GEODETISK INSTITUT
Copenhagen, Denmark.

1942.

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

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. It was found afterwards that the time-corrections for 1942 as given by the station were erroneous. They have now been recomputed from observations, but these were not taken daily, and there is an uncertainty of about 1 sec. in many of the corrections applied to the readings as here published.

No.	Date	Hour	Forerunners				L	Δ	Remarks.			
			P or P'		S							
			m	s	m	s	m	s				
1	1942 Jan. 20	6			43	52	55		Mexico.			
2	March 5	19	159	28+	168	39	159	32	69 10	74	Near west coast of Hokkaido. Depth about 250 km.	
3	19	12			14	6	21				Off coast of British Columbia.	
4	20	1	122	45	30	39	40			57	Aleutian Islands.	
5	20	3					12					
6	20	5					46					
7	21	23	33	43	44	31	45	33		66	89	South of Japan. Strong micro-seisms, readings not quite certain.
8	30	9					21					

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		
9	April 8	15					58	50	65	6	84		66 ^m 22 ^s .68 ^m .3. 71 ^m 45 ^s . Philippine Islands.
10	13	8			6	19					14		Atlantic Ocean.
11	20	9					2	25	4	46			Japan.
12	27	9					25	27			26		Atlantic Ocean.
13	May 14	2	24	4	32	50	124	6	26	14		66	Destructive in Ecuador.
14	15	2									56		Ecuador.
15	15	12			10	44		6.3					
16	27	7									41		
17	28	1	120	30			21	39	21	48	64		28 ^m 0.28 ^m 52 ^s . 31 ^m 40 ^s Celebes.
18	28	3									30		
19	29	5									46		
20	30	7									49		
21	31	2	147	51							55		
22	June 1	12									24		
23	10	11									15		
24	12	10					42.4						Ecuador.
25	14	4									.1		
26	15	17									13		
27	16	6									10		
28	18	9					56	8	64	42	78		West of Caroline Islands.
29	19	19	48	48									
30	20	10	11	43	19	23	12	3				55	Mexico.
31	21	4	147	40	54	57						51	
32	24	11	36	8			58.4						New Zealand.
33	29	6					50	21					Chile.
34	July 3	3									31		
35	8	7	8	27	19	6	18	55	19	24		87	20 ^m 7 ^s .Northern Chile.
36	12	5	16	1	24	42	18.4		25	4		65	25 ^m 9.29 ^m 0. Ecuador.
37	25	6					41.5		47	17			47 ^m 52 ^s .48 ^m 37 ^s . 49 ^m 12 ^s .50 ^m 7. 56 ^m 1. Samar Islands
38	25	21									27		
39	29	23	1	8	9		9	40	17.5		.8		19 ^m 6. Banda Sea.
40	Aug. 1	12	153	40			53	55	57	4			53 ^m 20 ^s , small movement. New Zealand. Deeper than normal.
	1												No records.
41	6	23	146	36	154	31	46	37	46	51		57	13 ^h 57 ^m -18 ^h 19 ^m . 49 ^m 0.50 ^m 19 ^s . 58 ^m 8. 61 ^m 3. Near coast of Guatemala.

I V I G T U T

No.	Date	Hour	Forerunners				L	△	Remarks.
			P or P'		S				
42	Aug. 8	22	m s	m s	m s	m s	h m	o	Near coast of Guatemala.
43	22	9		54 1			50		
44	23	5					5		
45	23	6	i45 45	54 16	i48 7		71		East of Kam- chatka. Deeper than normal.
46	24	23	i 2 28	12 27	2 32	3.0			3 ^m 29.12 ^m 9.13 ^m 0 ^m SS 17 ^m 45 ^s . SSS 21.0.
47	25	20	i27 54	37.9					Peru. Deeper than normal.
48	26	12	20 36		20 46				Peru,
49	27	6	i22 27	29 6			36	45	Albania.
50	29	12					.9		
51	Sept. 1	9	51 26	58 52			72	53	Mediterranean Sea.
52	2	3					47		
53	9	1					56		
54	24	4					35		
55	25	8					44		

On September 25. recording was suspended.