

No. 12.

GEODETISK INSTITUT
Copenhagen, Denmark.

1942.

Bulletin of the Seismological Station

IVIGTUT

$\varphi = 61^{\circ}12' \text{ N.}$ $\lambda = 48^{\circ}11' \text{ W.}$ $h = 20 \text{ m.}$

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	m s	h m	o	
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 Colum- bia.
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 cer- tain.
8	30	9					21		

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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 . Phillippine 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.

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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			62			
44	23	5					50			
45	23	6	i 45 45	54 16	i 48 7		71		East of Kam- chatka. Deeper than normal.	
46	24	23	i 2 28	12 27	2 32	3.0				
47	25	20	i 27 54	37.9						
48	26	12	20 36		20 46				Peru. Deeper than normal. Peru. "	
49	27	6	i 22 27	29 6			36	45		
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.