No. 67 Jan.—June 1957

International Seismological Centre

GEODÆTISK INSTITUT
Proviantgården · Copenhagen · Denmark

Bulletin of the seismological station

KØBENHAVN

$\varphi = 55°41'$ N. $\lambda = 12°26'$ E. $h = 13$ m.

Lithologic foundation: chalk

Instruments

Galitzin-Wilip. N, E and Z. $T_p = T_g = 12^1/_2$ sec, $\mu^2 = 0$, $\frac{Ak}{\pi l} = 255$ sec^{-1} or V_{max} = abt. 1000.
Benioff. Z'. $T_p = 1$ sec, $T_g = {}^1/_4$ sec, V_{max} = abt. 30 000.
Wiechert 1000 kg. N and E. $T = 8^1/_2$ sec, $v = 6:1$, $\varrho = 0.3$ mm, $V_0 = 210$.
Wiechert 1300 kg. Z. $T = 6$ sec, $v = 6:1$, $\varrho = 0.1$ mm, $V_0 = 150$.

Seismological Readings

Phases are indicated by the symbols used in ISS. Times are given in GMT. Positions of epicenters are most often due to USCGS. The periods given are periods of full oscillations. The amplitudes are single amplitudes of the ground in microns. + indicates ground motion towards the north, towards the east, or upwards. – indicates the opposite direction. Unless otherwise stated, the periods and amplitudes are due to readings on the Galitzin instruments.

Microseismic Readings

For every group of figures the first one indicates the character of the microseisms. 1 is group microseisms, 2 is continuous microseisms, 3 is irregular or mixed microseisms. Thereafter the single ground amplitude in microns is given, and at last the period of a full oscillation is stated. All readings are due to the Galitzin instruments.

January

2	*iP·Z′Z*	0h50m55s	–	
	eS·E	1 00 21		
	iS·N	00 32		
	i·N	01 14		
	L·NE	11		
	Δ = 73°. Aleutian Islands.			
2	*iP·Z′Z*	2 29 05	+	
	ePcP·Z	29 24		
	eS·E	38 39		
	iS·N	38 41		
	iScS·N	39 21		
	iSS·N	43 38		
	L·N	53		
	Δ = 74°. Aleutian Islands.			
2	*eP·Z′*	3 24 22		
	Δ = 74°. Aleutian Islands.			
2	*iP·Z′Z*	4 00 14	Z′: +.	
	iP·Z	00 18	–	
	Δ = 74°. Aleutian Islands.			
2	*iP·Z′*	4 14 48	–	
	Δ = 74°. Aleutian Islands.			
2	*eP·Z′Z*	11 01 01		
	eS·NE	10 38		
	eScS·N	11 16		
	SS·N	15.6		
	L·NE	30		
	Δ = 74°. Aleutian Islands.			
3	*iP·ZNE*	12 58 31	5s. N: + 5 μ, E: 4 μ, Z: − 10 μ.	
	ipP·ZNE	13 00 27	Z: 5s. − 5 μ.	
	iPP·ZNE	01 02	5s. N: 6 μ, E: 5 μ, Z: − 5 μ.	
	ipPP·ZNE	02 48		
	iS·NE	06 43	7s. N: + 30 μ, E: − 30 μ.	
	iScS·NE	07 29	8s. N: + 10 μ, E: 15 μ.	
	isS·E	10 15		
	iSS·N	11 12		
	i(SSS)·E	14 54		
	Δ = 68°. h = 600 km. Southern Manshuria.			
9	*L·NE*	8.6		
13	*L·N*	12 01.7		
16	*iPKP·Z′*	20 55 50		
	Δ = 145°. Tonga Islands.			
17	*iP·Z′*	22 38 24	–	
	Δ = 80°. h = 350 km. Japan.			

January

19	*iPKP·Z′*	5h35m06s	–	
	Δ = 144°. h = 600 km. Fiji Islands.			
23	*iP·Z′*	17 31 26	+	
	Δ = 20°. Greece.			
25	*eP·Z′*	3 48 18	very weak.	
	eS·NE	57 39		
	L·NE	4 14		
	Δ = 72°. Aleutian Islands.			
26	*eL·NE*	16 44		

February

3	*iP·Z′*	17 35 49	–	
	eSS·E	49.8		
	L·NE	18 01		
	Δ = 68°. Kamchatka.			
5	*iP·Z′*	5 00 30	–	
	Δ = 52°. Mid Atlantic Ocean.			
6	*iP·Z′*	20 44 11	–	
	L·NE	21 03.7		
	M1·N	05	13s. 20 μ.	
	M2·NEZ	08	N:11s,15μ,E:12s,20μ,Z:14s,20μ.	
	Δ = 53°. Lake Baikal region, U.S.S.R.			
9	*L·NE*	17.3		
10	*eP·Z′*	5 55 24		
	eS·E	6 01 20		
	L·NE	06		
	Δ = 39°. Azores region.			
10	*eP·Z′*	22 45 40		
	ePP·Z	49 35		
	eSKS·NE	56 14		
	eS;N	56 54		
	ePS·EZ	58 07		
	L·NE	23 19		
	Δ = 94°. Philippine Islands.			
11	*ePP·Z*	1 31 42		
	eSKS·E	38 46		
	iSKKS·E	38 55		
	L·NE	2 04		
	Δ = 94°. Philippine Islands.			
11	*L·NE*	15 26		
11	*iP·Z′*	15 45 04	–	
	eS·Z′	46 33		
	Δ = 8½°. Mid England.			

International Seismological Centre

København 1957

February

12	*L·NE*	9h32m		
13	*L·NE*	1 20		
14	*L·NE*	23 52		
17	*L·NE*	16 31		
18	*iP·Z′Z*	14 58 40		
	i·Z′	58 46		
	iS·E	15 06 05		
	L·N	12		
	Δ = 52°. Mid Atlantic Ocean.			
19	*iP·Z′ZNE*	7 48 37	Z: –	
	i·ZN	49 40		
	iS·ZNE	52 20		
	L·NE	54.2		
	M·NE	58	30s. N: 30 μ, E: 45 μ.	
	Δ = 20°. South of Greece.			
19	*L·NE*	20 32		
20	*iP·Z′ZN*	4 45 31		
	iS·NE	49 15		
	L·E	50.8		
	Δ = 20°. Tunesia.			
20	*iP·Z′*	13 10 41	–	
	Δ = 68°. h = 60 km. Kamchatka.			
20	*eP·Z′*	22 11 02		
	e·Z′Z	11 16		
	eSKS·NE	21 32		
	L·NE	43		
	Δ = 86°. Sumatra.			
21	*eS·N*	1 28 00		
	L·NE	40		
	Δ = 62°. Mid Atlantic Ocean.			
21	*iP·Z′Z*	14 41 21	–	
	i·Z′Z	41 50		
	eS·N	50 35		
	L·NE	15 05		
	Δ = 71°. Aleutian Islands.			
22	*eP·Z′*	8 02 56		
22	*L·NE*	17 52		
23	*L·NE*	5 34		

February

23	*eP·Z′Z*	20h38m23s		
	iPcP·Z′Z	38 27		
	iPP·ZE	41 35		
	iS·NE	48 27		
	iPS·N	48 56		
	L·N	21 04		
	M·NE	11	16s. N: 100 μ, E: 50 μ.	
	Δ = 80°. Formosa.			
27	*L·ZN*	15 52		

March

2	*(i)P·Z′*	0 39 21	In the time-break.	
	iS·NE	49 02		
	eSS·N	53 54		
	L·NE	1 01		
	Δ = 75°. Jamaica.			
2	*iP·Z′*	7 19 58	+	
	Δ = 42°. Southern Iran.			
2	*L·NE*	9 12		
3	*L·NE*	4 08		
5	*iP·Z′Z*	12 32 35		
	iS·NE	39 00		
	L·NE	45.5		
	Δ = 43°. North Atlantic Ocean.			
8	*iP·Z′ZNE*	12 18 26	Z: 10s, + 20 μ.	
	iS·ZNE	21 46		
	L·Wiechert	23.5		
	Δ = 18°. Greece.			
8	*iP·Z′Z*	12 25 25	Z: 10s, 40 μ.	
	M	32	10s. N: 90 μ, E: 130 μ, Z: 90 μ.	
	Δ = 18°. Greece.			
8	*eS·Z*	20 45 38		
	eL·E	48.2		
	Δ = 18°. Greece.			
8	*iP·Z′ZNE*	23 39 20		
	iS·ZNE	42 38		
	L·NE	44.5		
	M	45	20s. N: 10 μ, E: 35 μ.	
	Δ = 18°. Greece.			

March

9	*eP·Z′ZN*	14h34m02s		
	iS·N	43 38		
	iS·E	43 48		
	i·N	44 18		
	i·E	44 30		
	i·N	44 42		
	i·N	48 52		
	L·NE	58.5		
	M·NE	15 03	22s.	*N*: 575 μ, *E*: 650 μ.
	Wiechert readings.			
	Δ = 73°. Aleutian Islands.			
9	*iP·Z′*	15 21 41		
	i·Z′	22 06		
	Aleutian Islands.			
9	*iP·Z′*	15 53 28		
	Aleutian Islands.			
9	*iP·Z′*	16 00 06		
	Aleutian Islands.			
9	*iP·Z′*	16 27 58		
	Aleutian Islands.			
9	*iP·Z′*	16 44 09		
	Aleutian Islands.			
9	*iP·Z′*	16 50 46		
	Aleutian Islands.			
9	*eP·Z′*	20 18 34		
	Aleutian Islands.			
9	*eP·Z′*	20 33 34		
	Aleutian Islands.			
9	*iP·Z′ZN*	20 50 45		
	iPP·Z	53 10		
	ePPP·N	55 08		
	iS·N	21 00 15		
	i·NE	00 22		
	iScS·E	00 52		
	i·Z	00 54		
	i·N	00 58		
	iSS·E	05 10		
	L·N	13.2		
	M·N	16	28s.	70 μ.
	M·E	17	27s.	90 μ.
	M·N	19	22s.	60 μ.
	Aleutian Islands.			

March

10	*eP·Z′*	3h06m42s		
	Δ = 74°. Japan.			
10	*iP·Z′Z*	3 17 42		
	eS·NE	27 14		
	iPS·N	27 27		
	SS·N	32.2		
	L·NE	40		
	Aleutian Islands.			
10	*iP·Z′Z*	3 20 32		
	e(S)·E	30 10		
	Aleutian Islands.			
10	*i·Z′*	3 38 10		
10	*i·Z′*	3 38 50		
10	*iP·Z′Z*	11 32 17		
	eS·N	41 51		
	e·E	42 02		
	iSKS·N	42 23		
	L·NE	55		
	Aleutian Islands.			
10	*iP·Z′Z*	12 47 43		
	ePPP·N	52.2		
	eS·N	57 25		
	eSS·N	13 01.4		
	L·N	11		
	Aleutian Islands.			
10	*iP·Z′*	12 57 09		
	Aleutian Islands.			
10	*eP·Z′Z*	13 21 46		
	Aleutian Islands.			
10	*eP·Z′*	13 40 04		
	Aleutian Islands.			
10	*iP·Z′Z*	15 37 53		
	iPcP·Z′	38 10		
	eS·N	47 07		
	i·N	47 25		
	e·N	47 48		
	iSS·N	52 27		
	L·NE	16 01		
	Aleutian Islands.			

International Seismological Centre

København 1957

March

11	*iP·Z′Z*	3h24m20s		
	iX·N	25 33		
	ePP·N	27 07		
	iS·NE	33 47		
	iSKS·N	34 30		
	iSS·NE	39 15		
	L·NE	47		
	M·N	50	30s.	50 μ.
	M·E	53	22s.	30 μ.
	M·E	58	20s.	30 μ.
	M·N	4 00	18s.	40 μ.
	Aleutian Islands.			
11	*eP·ZN*	9 35 22		
	eS·EZ	38 45		
	L·NE	42		
	Δ = 18°. Greece.			
11	*iP·Z′ZN*	10 10 10		
	iPPP·N	14 35		
	i·N	15 52		
	iS·NE	19 28		
	iPS·NE	19 43		
	M·N	34	26s.	50 μ.
	M·N	38	22s.	60 μ.
	M·N	42	18s.	75 μ.
	Aleutian Islands.			
11	*iP·Z′ZN*	15 06 51		
	iPP·ZN	09 35		
	iPPP·N	11 18		
	iS·NE	16 18		
	iSS·E	21 00		
	M·N	33	30s.	90 μ.
	M·N	38	20s.	50 μ.
	M·N	44	16s.	50 μ.
11	*iP·Z′*	15 47 27	+	
	Aleutian Islands.			
12	*iP·Z′*	0 29 30		
	Aleutian Islands.			
12	*iP·Z′*	1 14 05		
	Aleutian Islands.			
12	*iP·Z′*	1 16 02	+	
	Aleutian Islands.			
12	*eP·Z′*	1 57 59		
	Aleutian Islands.			
12	*iP·Z′*	2 34 25		
	Aleutian Islands.			

March

12	*iP·Z′*	5h23m35s	–	
	Aleutian Islands.			
12	*eP·Z′*	6 14 24		
	Aleutian Islands.			
12	*iP·Z′Z*	7 40 20	+	
	eS·NE	49 50		
	i·N	50 16		
	i·N	50 30		
	iSS·N	54 50		
	L·NE	8 04		
	M·N	06	26s.	25 μ.
	Aleutian Islands.			
12	*iP·Z′*	7 50 50		
	iS·E	8 00 19		
	Aleutian Islands.			
12	*iP·Z′*	8 14 47		
	Aleutian Islands.			
12	*eP·Z′*	10 50 03		
	Aleutian Islands.			
12	*iP·Z′ZN*	11 56 32	*Z*: +.	
	i·Z′Z	56 55		
	iS·NE	12 05 57		
	L·NE	20		
	M·E	22	30s.	100 μ.
	Aleutian Islands.			
12	*eP·Z′*	12 57 38		
	i·Z′	57 41		
	Aleutian Islands.			
12	*ePKP·Z′*	16 51 28		
	Δ = 135°. New Hebrides.			
12	*iP·Z′*	17 11 55		
	Aleutian Islands.			
12	*iPKP·Z′*	17 40 14	–	
	Δ = 145°. *h* = 700 km. Fiji Islands.			
12	*e·Z′*	20 02 50		
	e·Z′	04 26		
	e·Z′	04 30		
12	*eP·Z′*	20 11 52		
	Aleutian Islands.			
12	*eP·Z′*	20 18.9		
	Aleutian Islands.			

March

12	$e \cdot Z'$	$20^h51.1$			
12	$e \cdot Z'$	21	18	49	
12	$iP \cdot Z'$	21	30	50	
	Aleutian Islands.				
12	$e \cdot Z'$	23	31.9		
12	$eP \cdot Z'$	23	56	58	
	Aleutian Islands.				
13	$iP \cdot Z'$	2	59	53	+
	$iS \cdot N$	3	09	21	
	$i \cdot N$		10	15	
	$SS \cdot N$		14.5		
	$L \cdot NE$		24		
	Aleutian Islands.				
13	$eP \cdot Z'$	3	18	48	
	Aleutian Islands.				
13	$iP \cdot Z'$	3	44	30	
	Aleutian Islands.				
13	$eP \cdot Z'$	9	21	04	
	$L \cdot NE$		46		
	Aleutian Islands.				
13	$e \cdot Z'$	9	32	44	
13	$iP \cdot Z'Z$	15	53	39	−
	$iPP \cdot Z$		56	27	
	$iPPP \cdot ZN$		58	15	
	$iS \cdot NE$	16	03	04	
	$iPS \cdot NE$		03	20	
	$e \cdot N$		04	00	
	$L \cdot NE$		17		
	Aleutian Islands.				
13	$eP \cdot Z'$	17	55	18	
	$i \cdot Z'$		55	24	
	$L \cdot NE$	18	18		
	Aleutian Islands.				
13	$iP \cdot Z'Z$	20	10	44	+
	$eS \cdot NE$		20	16	
	$e \cdot N$		20	42	
	$i \cdot NE$		21	00	
	$L \cdot NE$		34.5		
	Aleutian Islands.				
14	$eP \cdot Z'$	2	03	47	
	$L \cdot E$		27		
	Aleutian Islands.				

March

14	$(i)P \cdot Z'$	$2^h58^m19^s$			in the time-break.
	$i \cdot Z'$		58	31	
	Aleutian Islands.				
14	$iP \cdot Z'ZN$	14	59	19	Z: +.
	$i \cdot N$	15	00	16	
	$iS \cdot N$		08	41	
	$iPS \cdot E$		09	07	Wiechert reading.
	$iSKS \cdot E$		09	17	Wiechert reading.
	$iScS \cdot NE$		09	26	
	$L \cdot E$		19		Wiechert reading.
	$M \cdot N$		25		35^s. 100 μ. Wiechert.
	Aleutian Islands.				
15	$iP \cdot Z'N$	3	03	38	
	$eS \cdot NE$		13	02	
	$L \cdot NE$		27		
	Aleutian Islands.				
16	$eP \cdot Z$	0	50	29	
	$eS \cdot NE$		56	17	
	$L \cdot NE$		59.4		
	$\Delta = 35°$. Northern Iran.				
16	$iP \cdot Z'$	2	45	43	−
	$iP \cdot Z$		45	46	+
	$iPcP \cdot Z'$		46	02	
	$ePP \cdot N$		48	30	
	$ePPP \cdot N$		50	18	
	$eS \cdot NE$		55	04	
	$iPS \cdot E$		55	29	
	$i \cdot NE$		55	56	
	$M \cdot N$	3	15		26^s. 90 μ.
	$M \cdot N$		24		20^s. 165 μ.
	Aleutian Islands.				
17	$L \cdot NE$	0	40		
17	$iP \cdot Z'$	8	05	25	−
	$e \cdot N$		15	27	
	$i \cdot N$		15	35	
	$L \cdot NE$		39		
	Aleutian Islands.				
17	$L \cdot NE$	15	54		
17	$iP \cdot Z'Z$	22	56	05	
	$iPcP \cdot Z'Z$		56	14	
	$iPP \cdot ZN$		58	50	
	$eS \cdot N$	23	05	21	
	$ePS \cdot NE$		05	39	
	$eSKS \cdot N$		06	01	
	$L \cdot Z$		19		40^s. 20 μ.
	$L \cdot N$		20		35^s. 20 μ.
	$M \cdot N$		30		20^s. 15 μ.
	Aleutian Islands.				

International Seismological Centre

København 1957

March

18	$L \cdot NE$	3^h03^m			
18	$L \cdot NE$	5	56		
18	$ePP \cdot ZN$	21	34.2		
	$eSKKS \cdot E$		41.8		
	$ePS \cdot NE$		44	42	
	$L \cdot NE$	22	13		
	$\Delta = 121°$. New Britain.				
18	$eP \cdot Z'Z$	23	21	25	
	$iS \cdot NE$		24	34	
	$L \cdot NE$		26.4		
	$\Delta = 17°$. Black Sea.				
19	$eP \cdot Z'$	3	51	06	
	$\Delta = 73°$. Aleutian Islands.				
19	$eP \cdot Z$	11	40	22	
	$eS \cdot E$		49	53	
	$L \cdot NE$	12	06		
	$\Delta = 73°$. Aleutian Islands.				
19	$eP \cdot Z'Z$	13	02	30	
	$(i)S \cdot NE$		12	00	in the time-break.
	$eSS \cdot NE$		16	30	
	$L \cdot NE$		25		
	$M \cdot ZNE$		29		30^s. Z: 60 μ, N: 60 μ, E: 40 μ.
	$\Delta = 73°$. Aleutian Islands.				
20	$L \cdot NE$	0	51		
20	$L \cdot NE$	1	07		
21	$L \cdot NE$	17	33		
22	$iP \cdot Z'Z$	14	32	27	
	$iPcP \cdot Z$		32	50	
	$ePP \cdot N$		35	00	
	$iS \cdot NE$		41	40	
	$iPS \cdot E$		42	00	
	$iSKS \cdot N$		42	30	
	$M \cdot ZNE$		56		30^s. Z: 60 μ, N: 80 μ, E: 45 μ.
	$M \cdot E$	15	03		20^s. 80 μ.
	$M \cdot N$		06		20^s. 70 μ.
	$\Delta = 71°$. Aleutian Islands.				
22	$iP \cdot Z'$	14	44	32	
	$\Delta = 71°$. Aleutian Islands.				
22	$L \cdot NE$	20	26		

March

23	$eP \cdot Z'$	$5^h27^m00^s$			
	$ePKP \cdot Z'$		30.7		
	$iSP \cdot Z$		40	48	
	$iSS \cdot NE$		46	50	
	$ePPP2 \cdot N$		49	10	
	$eSSS \cdot N$		51.0		
	$L \cdot NE$	6	05		
	$\Delta = 110°$. $h = 100$ km. Banda Sea.				
24	$L \cdot NE$	8	22		
24	$L \cdot NE$	8	56		
24	$L \cdot NE$	11	48		
25	$L \cdot NE$	22	09		
26	$L \cdot N$	3	37		
26	$L \cdot NE$	3	49		
26	$iP \cdot Z'$	4	57	02	
	$i \cdot Z'$		57	21	
	$\Delta = 40°$. Southern Iran.				
28	$L \cdot N$	20	47		
28	$eP \cdot Z'$	22	30	11	
	$eS \cdot NE$		33	32	
	$L \cdot NE$		35		
	$\Delta = 18°$. Greece.				
29	$eP \cdot Z'$	5	21	51	
	$i \cdot Z'$		21	52	
	$eS \cdot NE$		31	05	
	$iPS \cdot NE$		31	25	
	$L \cdot NE$		43		
	$M \cdot N$		45		42^s. 100 μ.
	$\Delta = 71°$. Aleutian Islands.				
29	$iP \cdot Z'$	23	01	19	
	$L \cdot NE$		30		
	$\Delta = 72°$. Aleutian Islands.				
30	$L \cdot E$	9	55		
31	$L \cdot NE$	10	46		
31	$iP \cdot Z'$	17	33	51	−
	$\Delta = 67°$. Kamchatka.				

April

1 *iP·Z′Z* 11h47m08s +
ePcP·Z′ 47 20
eS·NE 56 40
eScS·N 57 19
SS·N 12 01.8
L·N 11
Δ = 74°. Aleutian Islands.

1 *i·Z′* 23 18 01 +

2 *iP·Z′Z* 0 51 20 +
iPcP·Z′ 51 32
L·NE 1 17
Δ = 74°. Aleutian Islands.

2 *L·NE* 5 02

2 *iP·Z′* 8 44 41 +
Δ = 82°. *h* = 550 km. Japan.

2 *iP·Z′Z* 20 28 34 *Z′*: −, *Z*: +.
eS·NE 38 09
eScS·E 38 48
L·NE 52
Δ = 74°. Aleutian Islands.

2 *iP·Z′Z* 21 39 33 *Z*: +.
iPcP·Z′ 39 43
iS·NE 49 02
L·NE 22 03
Δ = 74°. Aleutian Islands.

3 *i·Z′* 1 41 49 +

3 *iP·Z′* 20 34 08 −
Δ = 25°. West of Cyprus.

4 *eP·Z′Z* 0 23 43 +
i·Z′Z 23 44 −
eS·E 32 36
eSKS·E 33 36
L·E 50
Δ = 67°. Alaska Peninsula.

4 *iP·Z′* 7 03 44 −
L·E 27.7
Δ = 72°. Kurile Islands.

4 *L·NE* 12 00

5 *eP·Z′* 3 01 10
eS·E 10 48 uncertain.
eSKS·N 11.3
eSS·N 15.6
L·NE 26
Δ = 73°. Aleutian Islands.

April

5 *iPKP·Z* 7h50m02s +
ipPKP·Z 50 41
Δ = 150°. *h* = 100 km. Kermadec Islands region.

5 *iP·Z′* 15 15 44 −
Δ = 74°. Kurile Islands.

7 *ePP·Z* 10 33 17
eSKS·NE 39 22
eSP·Z 42 42
eSS·N 48.7
L·NE 11 06
Δ = 110°. New Guinea.

8 *eSKS·NE* 20 41 20
iS·E 41 30
ePS·E 42.4
L·NE 59
Δ = 86°. Panama–Costa Rica border.

9 *iP·Z′Z* 0 36 17 +
ipP·Z 38 04 −
ePP·Z 39 39
iS·NE 45 55 7s. *N*: + 15 μ, *E*: − 15 μ.
i(sS)·N 48 54
eSS·E 51 52
Δ = 82°. *h* = 450 km. Japan.

9 *eP·Z′* 2 30 25
L·NE 3 06
Δ = 92°. Mariana Islands region.

9 *iP·Z′* 10 47 07
Δ = 82°. *h* = 500 km. Japan.

9 *eP·Z* 11 13 46
eS·N 28.3
L·NE 38
Δ = 73°. Aleutian Islands.

9 *iP·Z′* 20 35 25 −
i·Z′ 35 35 −
L·E 21 01
Δ = 73°. Aleutian Islands.

10 *iP·Z′* 3 36 44 −
L·NE 4 03
Δ = 73°. Aleutian Islands.

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København 1957

April

10 *iP·Z* 5h25m04s +
iPP·ZNE 28 30
eSKS·NE 35 30
iS·E 35 55
ePS·E 36 50
iSS·E 41 43
SSS·E 45 42
L·NE 54
Δ = 89°. Mexico.

10 *iP·Z′ZN* 11 41 02 *Z′Z*: +.
iS·NE 50 05 *N*: +, *E*: +.
i·N 51 10
SS·E 54.4
L·NE 12 03
Δ = 69°. Kodiak Island region.

11 *L·NE* 18 25

12 *e·NE* 16 15.2
L·NE 27

13 *eP·Z* 3 55 24
eS·NE 4 04 43
L·NE 19
Δ = 72°. British Columbia.

13 *L·NE* 5 59

13 *L·NE* 7 20

13 *ePP·Z* 10 28 47
eSKS·NE 35 07
eS·N 36 01
L·NE 59
Δ = 99°. Philippine Islands.

14 *iP·Z′Z* 7 21 31 −
iS·NE 29 15
i·E 29 24
L·NE 40
M·NE 42 20s. *N*: 60 μ, *E*: 20 μ.
Δ = 55°. Southern Tibet.

14 *L·NE* 17 05

14 *ePKP·Z′Z* 19 37 22
i·Z′Z 37 30
iPP·ZN 40 27
iPKS·ZNE 41 05
eSKKS·N 47 16
ePS·N 50 35
L·NE 20 25 35s. *N*: 100 μ, *E*: 65 μ.
M·N 31 25s. 90 μ.
M·E 34 25s. 45 μ.
Δ = 140°. Samoa Islands.

April

14 *iP·Z′Z* 21h10m40s −
Δ = 74°. Aleutian Islands.

15 *iP·Z′Z* 10 50 08 +
eS·NE 59 35
e·NE 11 00.4
L·NE 14
Δ = 74°. Aleutian Islands.

15 *eP·Z′Z* 21 44 37
eS·NE 54 02
e·NE 54 50
L·NE 22.1
Δ = 73°. Aleutian Islands.

16 *iP·Z′Z* 4 16 35 −
ipP·Z′Z 18 43 +
isP·Z 19 42
iPP·Z′Z 20 37 +
epPP·ZE 22 31
isPP·ZE 23 32
i·E 27 17
iSP·ZE 28 29
ePS·N 29 42
isSP·E 32 15
iSS·E 33 48
Δ = 96°. *h* = 600 km. Java Sea.

17 *L·NE* 2 29 10s, traces.

17 *iPKP·Z′* 8 27 16 +
Δ = 144°. Tonga Islands.

17 *L·NE* 10 04

17 *L·NE* 14 07

17 *iP·Z′* 15 18 45 −
Δ = 71°. Aleutian Islands.

17 *L·NE* 18 56

19 *iP·Z′Z* 15 56 28 −
L·NE 16 20
Δ = 73°. Aleutian Islands.

19 *iP·Z′ZN* 22 30 58 *Z*: −, *N*: +.
iPcP·N 31 13 −
ePP·N 33 40
iS·NE 40 22 *N*: +, *E*: +.
ePS·N 40 47
iSKS·N 40 54
L·NE 54.5
Δ = 73°. Aleutian Islands.

April

20	$L \cdot NE$	8^h14^m	
20	$e \cdot Z'$	12 34 53	
20	$ePKP \cdot Z'$	12 49 34	
	$ePP \cdot Z$	51 10	
	$ePS \cdot NE$	13 00 48	
	$ePPS \cdot NE$	02.2	
	$eSS \cdot N$	07 41	
	$eSSS \cdot NE$	12.2	
	$L \cdot NE$	28	
	$\Delta = 119°$. New Guinea.		
21	$eP \cdot Z'$	21 24 43	
	$i \cdot Z'Z$	24 47	
	$i \cdot Z'Z$	24 55	
	$ePP \cdot E$	27 46	
	$e \cdot NE$	34.8	
	$iSKS \cdot NE$	34 59	
	$L \cdot NE$	51.5	
	$\Delta = 82°$. Colombia–Venezuela border.		
22	$eP \cdot Z'$	0 27 54	
	$\Delta = 56°$. Tibet.		
22	$eP \cdot Z'$	1 51 54	
	$L \cdot NE$	2 12	
	$\Delta = 56°$. Tibet.		
23	$e \cdot E$	22 27 11	
	$L \cdot NE$	53	
	$\Delta = 107°$. Northern Chile.		
24	$iP \cdot Z'ZNE$	19 15 05	Z: 10^s, $+20\,\mu$.
	$iS \cdot NE$	19 05	10^s. N: $-50\,\mu$, E: $-60\,\mu$.
	$L \cdot NE$	21.0	
	$M \cdot E$	22	25^s, $250\,\mu$.
	$M \cdot N$	24	25^s, $250\,\mu$.
	$\Delta = 22°$. Southern Turkey.		
25	$iP \cdot Z'ZNE$	2 30 32	Z: 10^s, $+40\,\mu$.
	$iS \cdot NE$	34 30	10^s. N: $-70\,\mu$, E: $-80\,\mu$.
	$M \cdot E$	37	30^s, $450\,\mu$.
	$\Delta = 22°$. Southern Turkey.		
25	$iP \cdot Z'$	7 18 40	
	$L \cdot NE$	36	
	$\Delta = 53°$. Outher Mongolia.		
25	$eP \cdot Z'Z$	7 26 47	
	$L \cdot NE$	53	
	$\Delta = 73°$. Aleutian Islands.		

April

25	$L \cdot NE$	11^h14^m	
25	$eSKS \cdot E$	11 30 40	
	$L \cdot NE$	57	
	$\Delta = 103°$. Molucca Passage.		
25	$eP \cdot Z'$	14 18 27	
	$\Delta = 64°$. Southern Alaska.		
25	$eP \cdot Z'$	17 56 46	
	$L \cdot NE$	18 21	
	$\Delta = 73°$. Aleutian Islands.		
26	$iP \cdot Z'$	2 19 39	
	$epP \cdot Z'$	20 20	
	$\Delta = 430$. $h = 200$ km. Hindu Kush.		
26	$eP \cdot Z'Z$	6 38 32	
	$iPP \cdot Z'Z$	38 46	
	$iS \cdot NE$	42 35	
	$L \cdot NE$	44.6	
	$\Delta = 22°$. Southern Turkey.		
26	$iP \cdot Z'Z$	15 19 56	+
	$L \cdot NE$	46	
	$\Delta = 73°$. Kurile Islands.		
28	$eP \cdot Z'Z$	1 37 18	+
	$iPP \cdot Z$	41 20	+
	$eSKS \cdot E$	48 00	
	$eSKKS \cdot E$	48 10	
	$eS \cdot E$	48 50	
	$\Delta = 98°$. Philippine Islands.		
28	$L \cdot NE$	11 42	
28	$eiP \cdot Z'Z$	15 00 24	
	$L \cdot E$	25	
	$\Delta = 73°$. Aleutian Islands.		
29	$L \cdot NE$	5 13	
29	$iP \cdot Z'$	9 33 51	–
29	$eSKS \cdot E$	21 20.5	
	$L \cdot NE$	52	
	$\Delta = 100°$. Java.		

May

1	$L \cdot NE$	1 07	
1	$eiP \cdot Z'$	23 39 37	
	$L \cdot NE$	24 12	
	$\Delta = 73°$. Aleutian Islands.		

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May

2	$eiP \cdot Z'$	$2^h33^m38^s$	
	$\Delta = 71°$. Aleutian Islands.		
2	$eP \cdot Z'Z$	4 02 34	
	$ePP \cdot ZN$	03 54	
	$iS \cdot N$	08 12	
	$L \cdot NE$	13	
	$\Delta = 35°$. Baffin Bay.		
2	$eSS \cdot NE$	11 18.2	
	$eSSS \cdot N$	23.0	
	$L \cdot NE$	48	
	$\Delta = 155°$. South Pacific Ocean.		
2	$iP \cdot Z'$	11 40 42	–
	$\Delta = 73°$. Aleutian Islands.		
2	$eiP \cdot Z'$	11 50 21	
	$\Delta = 73°$. Aleutian Islands.		
2	$ePKP \cdot Z'$	21 53 32	doubtful.
	$i \cdot Z'$	53 49	
	$\Delta = 106°$. $h = 600$ km. Flores Sea.		
3	$L \cdot NE$	15 34	
4	$L \cdot NE$	10 58	
4	$(L) \cdot N$	15 23	
	$L \cdot NE$	27	
6	$eS \cdot N$	15 18 41	
	$L \cdot NE$	26	
	$\Delta = 33°$. Northern Iran.		
7	$L \cdot NE$	6 18	
8	$L \cdot NE$	14 47	
	$M \cdot E$	50	10^s. $2\,\mu$.
	$\Delta = 42°$. Kirghiz S.S.R.		
8	$L \cdot NE$	21 19	
9	$L \cdot NE$	9 07	
11	$e \cdot Z$	18 53 36	
	$e \cdot Z'$	54 24	
11	$i \cdot Z'$	19 56 43	–
12	$L \cdot NE$	2 09	
	$M \cdot E$	10	14^s. $3\,\mu$.

May

12	$ePP \cdot ZN$	$5^h08^m08^s$	
	$eSKS \cdot N$	13.6	
	$eSKKS \cdot NE$	14 58	
	$ePS \cdot E$	17.8	
	$eSS \cdot N$	24 42	
	$L \cdot NE$	47	
	$\Delta = 120°$. Sandwich group.		
12	$L \cdot NE$	7 20	
12	$L \cdot NE$	8 02	
12	$ePP \cdot Z$	11 46 52	
	$ePPP \cdot Z$	48 53	
	$eSKS \cdot E$	53 28	
	$e \cdot E$	55 38	
	$e \cdot E$	56 23	
	$eSS \cdot N$	12 01 23	
	$L \cdot N$	19	
	$\Delta = 100°$. Java.		
13	$iP \cdot Z'$	2 31 36	+
	$\Delta = 70°$. $h = 300$ km. Siberia.		
13	$L \cdot NE$	4 43	
13	$L \cdot NE$	6 46	
14	$e \cdot Z'$	2 16 24	
	$e \cdot Z'$	16 38	
15	$eP \cdot Z'$	1 28 12	
	$\Delta = 45°$. Northern Afghanistan.		
15	$iP \cdot Z'$	2 23 32	–
	$\Delta = 85°$. Mexico.		
17	$i \cdot Z'$	6 07 03	–
17	$L \cdot NE$	21 27	
18	$iP \cdot Z'Z$	5 35 39	
	$eS \cdot E$	45 10	
	$eSS \cdot N$	49.9	
	$L \cdot NE$	6 00	
	$\Delta = 74°$. Aleutian Islands.		
19	$L \cdot NE$	3 31	
19	$iP \cdot Z'$	20 57 25	
	$\Delta = 81°$. Ryukyu Islands.		
19	$eSKS \cdot NE$	21 23.6	
	$L \cdot NE$	42	
	$\Delta = 86°$. Nicaragua.		

May

20	$eS \cdot E$	$2^h11^m53^s$		
	$ePS \cdot E$	12 26		
	$L \cdot NE$	26		
	$\Delta = 73°$. Aleutian Islands.			
20	$eP \cdot Z'Z$	20 01 36		
	$eS \cdot N$	05 02		
	$L \cdot NE$	06.5		
	$\Delta = 17°$. Sicily.			
21	$iP \cdot Z'$	1 25 03		
	$ipP \cdot Z'Z$	25 27	–	
	$iPP \cdot ZNE$	28 47		
	$ipPP \cdot Z$	29 11	–	
	$i \cdot Z$	29 54		
	$iSKS \cdot NE$	35 25		
	$eS \cdot NE$	35 51		
	$i \cdot NE$	36 14		
	$iSP \cdot ZN$	37 07		
	$i \cdot Z$	38 16		
	$i \cdot N$	42 11		
	$L \cdot NE$	56		
	$\Delta = 92°$. $h = 100$ km. Mariana Islands.			
21	$eP \cdot Z'Z$	11 48 06		
	$eS \cdot N$	51 28		
	$L \cdot NE$	53		
	$\Delta = 17°$. Sicily.			
21	$eP \cdot Z'Z$	13 28 28		
	$eS \cdot N$	31 52		
	$L \cdot NE$	33.4		
	$M \cdot E$	34.5	20^s. 10 μ.	
	$\Delta = 18°$. Greece.			
22	$iP \cdot Z'Z$	13 41 24	–	
	$iPcP \cdot Z$	41 38	–	
	$iS \cdot NE$	51 06	N: +, E: –.	
	$L \cdot NE$	14 05		
	$\Delta = 75°$. Aleutian Islands.			
22	$eP \cdot Z'$	18 37 25		
	$eS \cdot E$	41 21		
	$L \cdot NE$	43.2		
	$\Delta = 22°$. Svalbard region.			
24	$iP \cdot Z'Z$	2 50 26	+	
	$ePP \cdot Z$	53 48		
	$iSKS \cdot E$	3 00 50		
	$iS \cdot E$	01 02		
	$eScS \cdot E$	01 26		
	$L \cdot NE$	20		
	$\Delta = 87°$. Colombia.			
24	$L \cdot NE$	4 08		

May

25	$L \cdot NE$	$16^h28.6$		
26	$iP \cdot Z'ZNE$	6 37 58	Z: 5^s, -40 μ.	
	$iS \cdot ZNE$	41 28	10^s. N: 75 μ, E: 90 μ.	
	$L \cdot NE$ (Wiechert)	42 25		
	$M \cdot N$	46	20^s. 1600 μ.	
	Amplitudes read on Wiechert-records.			
	$\Delta = 19°$. Turkey.			
26	$eP \cdot Z'Z$	8 59 11		
	$L \cdot NE$	9 05		
	$\Delta = 19°$. Turkey.			
26	$eP \cdot Z'$	9 18 09		
	$\Delta = 19°$. Turkey.			
26	$(i) \cdot Z'$	9 20 58	in the time-break.	
26	$iP \cdot Z'Z$	9 41 00	–	
	$iS \cdot NE$	44 38		
	$iL \cdot E$	46.9		
	$M \cdot NE$	48	N: 21^s, 45 μ, E: 18^s, 40 μ.	
	$\Delta = 19°$. Turkey.			
26	$L \cdot N$	16 43.5		
27	$L \cdot NE$	6 32		
27	$L \cdot NE$	7 16.5		
27	$eP \cdot Z'Z$	11 05 56		
	$eS \cdot NE$	09 30		
	$L \cdot NE$	11.2		
	$\Delta = 19°$. Turkey.			
28	$eP \cdot Z'$	0 14.3		
	$eS \cdot E$	17.9		
	$L \cdot E$	20		
	$\Delta = 19°$. Turkey.			
28	$L \cdot NE$	5 46		
28	$eP \cdot Z'$	6 02 16		
	$ePcP \cdot Z$	02 35		
	$eS \cdot E$	10 53		
	$L \cdot NE$	22		
	$\Delta = 65°$. Pakistan-Burma border.			
29	$eP \cdot Z'Z$	10 22 08		
	$L \cdot NE$	28.5		
	$\Delta = 19°$. Turkey.			
29	$iP \cdot Z'Z$	18 43 45	–	
	$iS \cdot NE$	47 19		
	$\Delta = 20°$. Southern Greece.			

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May

29	$L \cdot NE$	22^h58^m		
30	$iPKP \cdot Z'Z$	0 38 34	–	
	$L \cdot NE$	1.6		
	$\Delta = 144°$. Tonga Islands.			
30	$L \cdot E$	14 38		
31	$e(PKP) \cdot E$	2 33.9		
	$e(SP) \cdot E$	42 24		
	$e(PS) \cdot E$	43 22		
	E-record only.			
	$\Delta = 105°$. $h = 600$ km. Argentina.			
31	$L \cdot E$	3 57		
31	$iSKS \cdot NE$	22 21 01		
	$eS \cdot N$	21 48		
	$\Delta = 87°$. Colombia.			
31	$iP \cdot Z'Z$	22 28 43		
	$eS \cdot NE$	38 12		
	$L \cdot NE$	54		
	$\Delta = 73°$. Aleutian Islands.			

June

1	$iP \cdot Z'Z$	5 31 18	+	
	$eS \cdot N$	34 54		
	$L \cdot NE$	36.7		
	$\Delta = 20°$. Turkey.			
1	$iP \cdot Z'Z$	21 12 42	+	
	$L \cdot NE$	19		
	$\Delta = 20°$. Turkey.			
2	$iP \cdot Z'Z$	1 16 23		
	$L \cdot NE$	22		
	$\Delta = 20°$. Turkey.			
2	$iP \cdot Z'$	21 32 55		
	$L \cdot E$	22 02		
	$\Delta = 70°$. Kamchatka.			
4	$L \cdot NE$	17 08		
4	$iP \cdot Z'$	20 31 14		
	$e \cdot N$	42 13		
	$e \cdot E$	42 41		
	$L \cdot NE$	21 08		
	Central Sumatra.			
5	$iP \cdot Z'Z$	7 22 08		
	$eS \cdot NE$	26.7		
	$L \cdot NE$	29.5		
	$\Delta = 27°$. North Atlantic Ocean.			

June

5	$eP \cdot Z'Z$	$14^h08^m51^s$		
	$ePP \cdot N$	11.4		
	$eS \cdot E$	17 58		
	$e(PS) \cdot N$	18 13		
	$L \cdot NE$	35		
	$\Delta = 69°$. Kamchatka.			
5	$i \cdot Z'$	22 29 09	+	
	$e \cdot Z$	30.1		
	$e \cdot N$	43.7		
	$L \cdot NE$	23 02		
6	$L \cdot NE$	20 40		
7	$L \cdot NE$	0 26		
8	$L \cdot NE$	4 21		
8	$L \cdot NE$	7 09		
9	$L \cdot NE$	4 31		
9	$L \cdot NE$	4 54		
10	$eP \cdot Z'Z$	1 14 13		
	$ePP \cdot Z'Z$	18 24		
	$iSKS \cdot NE$	24 43		
	$iSKKS \cdot NE$	25 29		
	$e(PS) \cdot E$	28 03		
	$L \cdot E$	50		
	$\Delta = 105°$. Indonesia.			
10	$e(PKP) \cdot Z'$	3 30 01		
	$ePP \cdot Z$	30 58		
	$eSKS \cdot N$	37 13		
	$L \cdot NE$	4 02		
	$\Delta = 100°$. $h = 150$ km. Mariana Islands.			
11	$L \cdot NE$	4 44		
11	$iP \cdot Z'Z$	5 05 10	+	
	$ePPP \cdot ZE$	07 58		
	$eS \cdot N$	11 23		
	$esS \cdot N$	12 36		
	$eSS \cdot NE$	14 48		
	$\Delta = 43°$. $h = 200$ km. Hindu Kush.			
11	$iPKP \cdot Z'Z$	15 09 30	+	
	$i \cdot Z'$	09 44		
	$ePKS \cdot N$	13 12		
	$ePP \cdot ZE$	13 22		
	$e \cdot E$	23 55		
	$e \cdot N$	27 21		
	$L \cdot NE$	16 02		
	$\Delta = 153°$. $h = 100$ km. Kermadec Islands.			

June

11	*iP·Z′Z*	19h02m03s	–	
	e·Z′	02 17		
	iSKS·NE	12 27		
	L·NE	30		
	M·N	34	30s. 75 μ.	

12	*iP·Z′Z*	0 05 29	+	
	eS·NE	14 44		
	L·NE	31		
	Δ = 72°. Aleutian Islands.			

12	*iP·Z′Z*	8 40 14	+	
	iPcP·Z	40 25	–	
	eS·NE	49 47		
	iPS·E	50 07		
	L·NE	9 05		
	Δ = 74°. Japan.			

13	*iP·Z′Z*	10 52 11	+	
	iPcP·Z	52 32		
	iS·NE	11 01 39		
	iSKS·N	02 22		
	iSS·N	06 47		
	L·NE	14.7		
	M·N	18	30s. 60 μ.	
	Δ = 73°. Aleutian Islands.			

14	*eP·Z*	6 35 49		
	eS·NE	45 15		
	L·NE	7 01		
	Δ = 73°. Aleutian Islands.			

14	*eP·Z′*	11 45 13		
	L·NE	12 00		
	Δ = 45°. Afghanistan.			

15	*ePP·Z*	1 01.9		
	eSKS·N	08.5		
	e·NE	10 42		
	eSS·NE	16.1		
	L·NE	31		
	Δ = 97°. Indian Ocean.			

15	*iP·Z′Z*	18 29 49	–	
	eS·E	39.3		
	L·NE	55		
	Δ = 73°. Aleutian Islands.			

16	*e·Z′*	0 18 30		
	e·Z′	18 44		

June

18	*eP·Z′Z*	2h23m55s		
	eS·NE	33 29		
	ePS·N	33 57		
	eSS·E	38 47		
	eSSS·E	42.2		
	L·NE	47		
	Δ = 75°. Burma.			

18	*L·NE*	12 02		

18	*iP·Z′Z*	15 00 02	–	
	ePcP·Z′	00 17		
	iPP·Z	02 47		
	ePPP·ZE	04 37		
	iS·NE	09 37		
	ePS·E	10 10		
	L	15.6		
	Δ = 75°. Burma.			

18	*ePKP·Z′Z*	18 15 48	+	
	eSS·E	38 14		
	L·NE	19 02		
	Δ = 145°. Loyalty Islands region.			

19	*ePKP·Z′Z*	1 49 37		
	iPKP2·Z′Z	49 53		
	L·NE	2 45		
	Δ = 148°. Tonga Islands.			

19	*ePKP·Z*	8 21 04		
	L·NE	9 08		
	In the paper-shift.			
	Δ = 140°. Fiji Islands.			

20	*L·NE*	1 57		

21	*iP·Z′Z*	18 49 33		
	L·NE	19 17		
	Δ = 72°. Kurile Islands region.			

21	*L·NE*	22 48		

22	*iP·Z′Z*	6 31 48	+	
	i·Z	32 10	–	
	i·Z	32 28	–	
	iSKS·NE	42 08		
	iS·NE	42 22		
	i·E	42 58		
	L·E	59.5		
	Δ = 86°. Mexico.			

22	*L·NE*	19 51		

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June

23	*eP·Z*	0h04m59s		
	ePP·ZNE	09 30		
	ePPP·N	11 33		
	eSKS·E	15 32		
	eSKKS·N	16 30		
	iPS·E	19 00		
	eSS·NE	24 42		
	eSSS·N	29.0		
	L·N	42		
	M·NE	46	30s. *N*: 200 μ, *E*: 125 μ.	
	Δ = 110°. New Guinea.			

23	*iP·Z′Z*	3 37 39	*Z′*: –, *Z*: +.	
	eS·NE	46 24		
	eScS·N	47 42		
	eSS·N	50.6		
	L·NE	4 02		
	Δ = 64°. Alaska.			

23	*L·NE*	4 56		

24	*L·NE*	4 42		

24	*eP·Z′Z*	10 02 30		
	eSKS·E	12 51		
	eS·NE	13 03		
	L·NE	32		
	Δ = 86°. Mexico.			

24	*L·NE*	11 46		

24	*L·NE*	12 12		

26	*eSKS·NE*	3 10 53		
	eS·NE	11 10		
	eSS·E	17.0		
	L·NE	36		
	Δ = 87°. Indian Ocean.			

27	*eP·Z*	0 18 45	4s. 25 μ.	
	i·Z	18 49		
	iPP·ZNE	20 52		
	iS·NE	26 15	10s. *N*: 300 μ, *E*: 300 μ.	
	eSS·N	29 53		
	L·NE	33		
	M·NE	36	10s. *N*: 900 μ, *E*: 900 μ.	
	Wiechert readings.			
	Δ = 53°. Lake Baikal region.			

27	*L·NE*	7.3		

28	*e(S)·NE*	21 32 10		
	L·NE	34.3		
	Δ = 21°. Algeria.			

June

29	*iP·Z′Z*	7h59m49s	–	
	eS·N	8 09m19		
	e(SKS)·N	10 07		
	L·NE	23		
	Δ = 73°. Aleutian Islands.			

29	*eP·Z*	22 43 11	Doubtful.	
	ePP·N	45.2		
	eS·N	50.7		
	eSS·NE	54.3		
	L·NE	23 01.8		
	Δ = 53°. Lake Baikal region.			

December 1957. HENRY JENSEN

Microseisms. København

1957 Jan.	Z 0h	Z 6h	Z 12h	Z 18h	N 0h	N 6h	N 12h	N 18h	E 0h	E 6h	E 12h	E 18h	1957 Jan.
1	.. ..	.. ..	.. ..	.. ..	2 0.9 4.8	2 0.6 4.7	2 0.5 4.5	2 0.6 5.3	2 0.8 5.0	2 0.6 4.8	2 0.6 4.7	2 0.6 4.4	1
2	.. ..	.. ..	.. ..	.. ..	2 0.6 5.1	.. ..	.. ..	2 0.6 4.0	2 0.8 4.6	.. ..	.. ..	2 0.9 4.0	2
3	.. ..	.. ..	.. ..	.. ..	2 0.7 3.8	2 0.8 3.8	2 1.0 3.5	2 1.3 3.8	2 1.0 4.0	2 1.2 4.0	2 1.3 3.6	2 2.0 3.4	3
4	.. ..	.. ..	.. ..	.. ..	2 1.1 3.7	2 1.2 4.0	2 0.8 4.3	2 0.7 4.4	2 1.3 4.1	2 1.1 4.5	2 0.7 4.3	2 0.7 4.3	4
5	.. ..	.. ..	.. ..	.. ..	2 1.0 4.2	2 1.2 4.6	2 1.6 5.2	2 1.6 5.1	2 0.7 4.6	2 1.3 4.7	2 1.5 5.1	2 1.5 4.6	5
6	.. ..	.. ..	.. ..	.. ..	2 1.2 5.0	2 1.6 4.6	2 1.9 4.8	2 1.1 4.6	2 1.2 4.5	2 2.1 4.7	2 1.1 4.8	2 1.5 4.7	6
7	.. ..	.. ..	.. ..	.. ..	2 1.2 4.5	2 1.2 4.8	2 1.0 5.5	2 1.4 5.5	2 1.4 4.5	2 1.2 4.7	2 1.4 4.9	2 1.7 5.0	7
8	.. ..	.. ..	.. ..	.. ..	2 1.5 5.3	2 1.9 5.3	2 2.5 4.9	2 3.– 5.8	2 2.0 5.2	2 2.0 5.0	2 3.– 5.2	2 2.5 4.9	8
9	.. ..	.. ..	.. ..	.. ..	2 3.– 5.2	2 3.– 5.0	2 2.6 5.0	2 1.9 4.8	2 2.5 5.5	2 2.5 4.6	2 2.7 5.0	2 2.4 5.2	9
10	.. ..	.. ..	.. ..	1 3.8 5.6	2 2.8 5.4	2 2.4 5.2	.. ..	1 5.– 5.6	2 2.3 5.2	2 2.4 5.0	.. ..	1 3.– 5.7	10
11	1 2.0 6.2	1 2.0 5.9	2 1.4 5.0	2 1.2 5.6	1 3.– 5.3	1 3.– 5.6	2 1.6 6.0	2 1.9 5.5	1 3.– 5.5	1 1.8 5.0	2 1.7 6.0	2 1.9 5.3	11
12	2 1.6 5.3	2 1.0 4.8	2 1.4 5.1	2 1.4 4.7	2 1.5 5.4	2 1.2 5.8	2 1.5 5.3	2 1.5 4.8	2 1.4 5.0	2 2.0 4.4	2 1.6 4.8	2 2.1 4.5	12
13	2 1.2 4.0	2 0.9 4.6	2 1.0 4.8	2 0.9 4.4	2 2.2 4.7	2 1.4 4.5	2 1.2 4.4	2 1.4 5.0	2 1.5 4.7	2 1.2 4.8	.. ..	.. ..	13
14	2 0.8 4.7	2 0.7 4.9	2 0.6 5.0	2 0.9 4.7	2 1.3 4.5	2 1.2 4.5	2 1.4 5.6	2 1.4 5.7	.. ..	.. ..	2 1.4 5.8	2 1.5 6.2	14
15	2 1.2 4.9	2 1.8 5.4	.. ..	2 3.8 6.0	2 1.4 4.9	2 2.2 5.8	.. ..	.. ..	2 1.4 5.0	2 2.4 5.8	.. ..	2 4.– 6.8	15
16	2 2.2 6.2	2 2.0 6.4	2 1.2 5.5	2 1.4 5.8	.. ..	.. ..	.. ..	2 2.5 5.9	2 3.– 5.7	2 1.8 5.5	2 3.– 5.8	2 2.5 5.6	16
17	2 1.4 5.2	2 0.8 5.1	2 0.8 5.4	2 0.6 4.9	2 1.9 5.8	2 1.1 5.5	2 1 4 5.4	2 1.2 5.5	.. ..	.. ..	2 1.2 5.6	2 1.3 5.0	17
18	.. ..	.. ..	2 1.1 5.5	2 2.0 5.7	2 1.0 5.1	2 1.2 4.8	2 2.5 5.8	2 4.– 6.6	2 1.4 4.7	2 1.4 4.8	2 3.– 5.9	2 3.– 6.6	18
19	2 4.2 6.8	2 4.– 7.2	2 3.– 6.1	2 3.– 6.0	2 6.– 7.2	2 6.– 7.5	2 4.– 7.0	2 5.– 7.1	2 4.– 7.3	2 8.– 7.4	2 5.– 7.1	2 4.– 7.0	19
20	2 4.– 6.2	2 4.– 6.3	2 4.– 6.2	2 3.0 5.7	2 5.– 6.4	2 6.– 6.7	2 6.– 6.3	2 6.– 6.2	2 6.– 5.8	2 6.– 6.5	2 6.– 6.3	2 6.– 5.8	20
21	2 3.0 5.8	2 2.6 6.4	2 2.8 5.7	2 3.8 5.9	2 7.– 5.4	2 5.– 5.4	2 3.9 5.7	2 6.– 5.9	2 5.– 5.4	2 4.– 5.5	2 6.– 5.3	2 4.– 5.7	21
22	2 3.9 5.6	2 3.0 6.2	2 2.9 5.8	2 2.1 5.3	2 5.– 6.1	2 4.– 6.2	2 4.– 5.6	2 3.2 5.9	2 6.– 5.8	2 6.– 5.5	2 6.– 5.3	2 4.0 5.5	22
23	2 2.3 5.8	2 1.9 5.2	.. ..	.. ..	2 4.2 5.5	2 3.2 5.8	2 2.4 5.1	2 2.4 5.2	2 3.4 5.8	2 4.2 5.4	2 2.7 5.4	2 2.5 6.0	23
24	.. ..	.. ..	2 1.5 5.2	2 1.5 5.2	2 2.1 5.0	2 2.5 5.4	2 2.4 5.5	2 1.8 5.6	2 2.8 4.8	2 2.2 5.0	2 2.8 5.8	2 2.2 5.9	24
25	2 1.6 6.0	2 2.0 6.6	2 2.0 5.3	2 0.9 5.8	2 2.0 6.0	2 0.9 5.0	2 1.4 5.3	2 1.4 5.7	2 1.8 5.4	2 1.4 5.5	2 1.3 4.9	2 1.1 4.9	25
26	2 0.9 5.0	2 1.0 5.0	2 1.4 5.1	2 1.6 5.0	2 1.1 4.8	2 1.2 5.1	2 1.8 5.7	2 1.8 5.8	2 2.2 5.0	2 1.5 5.3	2 2.0 5.8	2 2.5 5.4	26
27	2 1.5 5.6	2 1.6 6.0	.. ..	2 1.4 6.5	2 2.0 5.3	2 2.2 5.8	2 3.4 5.5	2 3.2 5.8	2 2.5 5.4	2 3.– 5.3	2 3.– 5.4	2 3.– 5.5	27
28	2 1.9 6.3	2 2.0 5.8	2 2.4 6.3	2 1.6 5.6	2 3.2 5.3	2 3.4 5.4	2 2.2 5.5	2 2.1 5.7	2 3.– 5.8	2 4.– 5.9	2 2.6 5.4	2 2.8 5.7	28
29	2 1.6 6.0	2 2.2 5.7	2 1.6 5.4	2 2.0 5.7	2 3.– 5.6	2 2.8 5.8	2 3.0 6.3	2 3.4 5.8	2 2.4 5.8	2 2.8 5.3	2 1.9 6.0	2 2.8 5.5	29
30	2 2.2 5.8	2 2.5 5.4	2 1.8 5.8	2 1.6 6.1	2 3.8 6.4	2 3.0 6.0	2 3.0 6.0	2 2.2 5.6	2 2.5 5.6	2 3.0 5.5	2 3.0 5.1	2 1.9 5.8	30
31	2 1.5 5.9	2 1.4 5.4	2 2.0 5.9	2 2.0 5.5	2 2.0 5.9	2 2.0 5.6	2 2.2 5.9	2 2.2 6.2	2 2.0 5.3	2 2.0 5.6	2 2.0 5.4	2 2.6 6.1	31

Microseisms. København

1957 Febr.	Z 0h	Z 6h	Z 12h	Z 18h	N 0h	N 6h	N 12h	N 18h	E 0h	E 6h	E 12h	E 18h	1957 Febr.
1	2 1.9 5.6	2 1.8 5.5	2 1.8 5.3	2 1.1 5.2	2 3.5 6.2	2 3.2 5.9	2 1.8 5.4	2 2.0 5.5	2 2.8 5.6	2 2.8 5.6	2 2.4 5.8	2 1.9 5.5	1
2	2 1.8 5.4	2 1.2 5.5	2 1.2 5.1	2 1.0 5.6	2 2.1 5.5	2 1.8 5.2	2 1.9 4.9	2 1.6 4.7	2 1.8 5.2	2 2.0 5.0	2 1.9 4.8	2 1.4 5.1	2
3	.. ..	.. ..	2 1.2 5.7	2 1.2 5.3	2 2.2 6.0	2 1.9 5.1	2 1.8 5.5	.. ..	2 2.0 4.7	2 1.6 5.2	2 2.0 5.4	.. ..	3
4	2 1.4 5.3	2 1.5 5.5	2 1.7 5.1	2 1.6 5.2	.. ..	2 2.3 5.0	2 2.4 5.7	2 2.0 5.2	.. ..	2 2.5 5.6	2 2.4 4.9	2 2.6 5.0	4
5	2 1.8 5.5	2 1.8 5.2	2 1.8 4.9	2 2.2 5.8	2 3.0 5.6	2 2.3 4.8	2 2.0 5.5	2 4.– 5.8	2 2.5 5.3	2 2.1 5.0	2 2.6 5.9	2 3.0 5.3	5
6	2 1.6 5.7	2 1.5 5.4	2 0.9 4.8	2 1.0 4.5	2 3.2 5.5	2 1.6 5.1	2 1.4 4.7	2 1.3 4.3	2 2.5 5.5	2 1.9 5.5	2 1.7 4.6	2 1.6 4.8	6
7	2 1.0 4.4	2 1.1 4.5	2 0.8 4.3	2 0.6 4.6	2 1.7 4.2	2 1.8 4.2	2 1.2 4.9	2 0.9 4.8	2 2.0 4.7	2 2.2 4.7	2 1.6 4.8	2 1.5 5.0	7
8	2 0.5 4.7	2 0.6 4.8	2 0.9 4.8	2 1.0 4.6	2 1.1 4.9	2 1.2 5.1	2 1.4 4.7	2 1.5 4.5	2 1.3 4.9	2 1.3 4.6	2 1.5 5.0	2 1.8 5.1	8
9	2 1.0 4.9	2 1.2 5.0	2 1.1 4.9	2 1.2 4.6	2 1.4 5.1	2 1.8 5.0	2 1.4 5.2	2 1.6 5.5	2 2.1 4.6	2 2.0 5.1	2 2.3 4.8	2 1.5 5.0	9
10	2 0.9 4.2	2 1.0 4.7	2 1.0 5.3	2 0.9 5.2	2 1.3 5.1	2 1.0 4.9	2 0.8 5.1	2 0.8 5.5	2 1.5 4.9	2 1.5 5.0	2 2.0 5.3	2 1 2 6.0	10
11	.. ..	2 0.7 4.8	.. ..	.. ..	.. ..	2 1.2 5.6	2 0.9 5.9	2 1.4 6.2	.. ..	2 1.0 5.4	2 1.1 5.5	2 1.4 5.5	11
12	2 0.6 5.1	2 0.8 5.0	2 0.9 4.5	2 0.9 4.4	2 0.9 5.4	2 1.0 4.9	2 0.9 4.4	2 1.4 4.2	2 1.5 5.1	2 1.5 5.0	2 1.5 4.2	2 1.9 3.7	12
13	2 0.7 4.2	2 0.9 4.6	2 1.1 4.3	2 1.2 4.9	2 1.0 3.9	2 1.1 4.6	2 1.2 5.0	2 1.6 5.8	2 1.9 3.9	2 1.4 4.3	2 1.8 5.0	2 1.8 5.2	13
14	2 1.3 4.4	2 1.6 4.1	2 0.8 4.7	2 0.9 4.9	2 1.6 5.5	2 1.8 6.2	2 0.9 4.6	2 0.8 5.0	2 2.1 5.3	2 1.9 5.3	2 1.4 4.9	2 1.0 5.1	14
15	2 0.6 4.6	2 0.6 4.6	2 0.4 5.2	2 0.6 5.3	.. ..	2 0.6 4.6	2 0.6 4.9	2 0.6 4.6	.. ..	2 0.7 4.6	2 0.6 4.3	2 0.6 5.0	15
16	2 0.4 5.2	2 0.4 5.1	2 0.5 4.7	2 0.5 4.5	2 0.5 4.9	2 0.6 5.6	2 0.6 5.4	2 0.6 5.2	2 0.6 5.8	2 0.7 5.2	2 0.7 4.8	2 0.8 5.0	16
17	2 0.4 4.3	2 0.5 4.9	2 0.5 4.5	2 0.4 5.0	2 0.5 5.3	2 0.4 5.1	2 0.4 5.1	2 0.4 5.1	2 0.6 5.3	2 0.6 4.8	2 0.6 5.4	2 0.6 5.0	17
18	2 0.3 5.2	2 0.2 5.2	2 0.3 4.8	2 0.5 4.2	2 0.5 5.0	2 0.5 5.1	2 0.6 5.2	2 0.6 5.0	2 0.6 5.2	2 0.6 5.0	2 0.6 4.6	2 0.6 4.4	18
19	2 0.4 4.6	2 0.4 4.4	.. ..	2 0.4 4.5	2 0.6 5.3	2 0.7 5.1	.. ..	2 0.7 4.6	2 0.7 4.6	2 0.7 4.4	.. ..	2 0.6 4.6	19
20	2 0.5 4.1	2 0.5 4.5	2 0.6 4.7	2 0.5 4.6	2 0.8 5.0	2 0.5 4.5	2 0.6 4.7	2 0.6 4.9	2 0.6 4.3	2 0.6 4.8	2 0.7 4.7	2 0.6 4.4	20
21	2 0.5 5.0	2 0.4 5.0	2 0.5 4.9	2 0.5 4.4	2 0.5 5.0	2 0.6 5.1	2 0.6 5.4	2 0.6 5.1	2 0.6 5.2	2 0.6 4.9	2 0.6 5.1	2 0.6 4.8	21
22	2 0.4 4.9	2 0.4 5.0	2 0.6 5.0	.. ..	2 0.6 5.1	2 0.7 5.3	2 0.6 5.3	.. ..	2 0.7 4.9	2 0.7 5.2	2 0.8 5.0	.. ..	22
23	2 0.8 5.3	2 0.6 5.3	2 0.8 5.7	2 1.0 5.4	2 0.6 5.3	2 0.9 5.7	2 0.9 5.2	2 1.0 5.3	2 0.8 5.2	2 0.9 5.6	2 0.9 4.9	2 1.1 5.2	23
24	2 1.0 5.4	2 1.0 5.1	2 0.8 4.8	2 0.9 4.7	2 1.0 5.0	2 1.0 5.4	2 0.8 5.1	2 1.0 5.3	2 1.2 5.5	2 1.5 5.1	2 1.0 5.2	2 1.0 5.1	24
25	2 0.7 4.7	2 0.6 5.0	2 0.6 4.9	2 0.6 5.0	2 0.9 5.7	2 0.8 5.5	2 0.6 5.0	2 0.7 5.0	2 0.8 5.1	2 0.9 5.2	2 0.7 4.8	2 0.6 5.1	25
26	2 0.9 4.8	2 0.8 4.6	2 1.3 3.9	2 0.7 4.3	2 0.6 4.8	2 0.5 4.9	2 0.9 4.6	2 0.7 4.3	2 0.6 5.2	2 0.8 4.6	2 1.0 4.5	2 1.0 4.2	26
27	2 0.6 4.0	2 0.5 4.6	2 0.5 4.4	2 0.6 4.6	2 0.6 4.2	2 0.6 4.4	2 0.6 4.5	2 0.6 4.3	2 0.8 4.2	2 0.6 4.4	.. ..	.. ..	27
28	2 0.8 4.5	2 0.5 4.6	2 0.5 4.7	2 0.5 4.6	2 0.5 4.6	2 0.5 4.6	2 0.8 4.8	2 0.6 5.1	.. ..	.. ..	2 0.6 5.2	2 0.6 5.1	28

International Seismological Centre

Microseisms. København

1957 March	Z 0h	Z 6h	Z 12h	Z 18h	N 0h	N 6h	N 12h	N 18h	E 0h	E 6h	E 12h	E 18h	1957 March
1	2 1.0 5.2	2 0.9 5.2	2 1.0 5.1	2 1.0 4.4	2 0.9 4.8	2 1.0 5.4	2 1.1 5.5	2 1.0 4.8	2 0.7 4.8	2 0.9 5.1	2 1.0 5.2	2 0.8 5.1	1
2	2 0.9 4.8	2 0.8 4.7	2 1.– 5.–	2 1.– 5.–	2 1.1 4.8	2 1.0 4.7	2 1.0 4.8	2 0.9 4.9	2 1.0 5.0	2 1.1 5.0	2 0.9 4.6	2 0.9 4.6	2
3	2 1.– 5.–	2 1.– 5.–	2 0.9 5.4	2 0.7 5.4	2 0.8 4.7	2 0.9 4.7	2 1.0 5.3	2 1.0 5.6	2 1.0 5.1	2 1.0 4.8	2 1.3 4.9	2 1.2 5.2	3
4	2 0.9 5.5	2 1.5 5.4	2 1.4 5.8	2 1.0 5.6	2 1.2 5.1	2 1.5 5.4	2 1.4 5.8	2 1.4 5.2	2 1.0 5.3	2 1.1 4.9	2 1.1 5.7	2 1.1 5.4	4
5	2 0.8 5.3	2 0.7 5.2	2 0.5 4.5	2 0.6 4.3	2 1.0 5.5	2 0.9 4.8	2 0.6 5.1	2 0.6 4.5	2 1.0 5.1	2 0.6 4.8	2 0.7 4.6	2 0.6 4.4	5
6	2 0.5 4.3	.. ..	2 0.9 4.8	2 1.0 5.0	2 0.6 4.4	2 0.6 4.6	2 0.9 4.5	2 1.6 5.0	2 0.6 4.5	2 0.6 4.7	2 1.4 5.1	2 1.3 4.7	6
7	2 1.2 5.1	2 1.3 5.0	2 0.9 5.0	2 1.4 5.3	2 1.7 4.9	2 2.0 5.2	2 1.7 5.2	2 1.8 5.2	2 1.2 4.9	2 1.7 4.9	2 1.5 5.2	2 1.7 4.8	7
8	2 1.0 5.0	2 1.1 4.8	2 0.8 5.0	2 0.6 4.8	2 1.4 5.3	2 0.9 4.8	2 0.9 4.7	2 0.7 4.8	2 1.6 4.6	2 1.1 4.8	2 0.9 4.9	2 0.7 5.3	8
9	.. ..	2 0.7 4.5	2 1.3 4.8	.. ..	.. ..	2 0.9 5.1	2 1.0 4.9	.. ..	.. ..	2 1.0 5.3	2 1.6 5.0	.. ..	9
10	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	10
11	2 1.3 5.3	.. ..	.. ..	.. ..	2 1.5 4.6	.. ..	.. ..	2 0.9 5.4	2 1.6 5.3	.. ..	.. ..	.. ..	11
12	2 0.9 5.1	2 0.6 5.3	.. ..	2 0.6 4.7	2 1.3 4.9	2 0.9 5.2	.. ..	2 0.7 4.7	2 1.1 4.7	2 0.9 5.1	.. ..	2 0.9 4.8	12
13	2 0.6 5.2	2 0.5 4.8	2 0.5 4.6	2 0.6 4.2	2 0.6 4.9	2 0.9 4.9	2 0.5 4.6	2 0.6 4.2	2 0.7 5.0	2 0.8 4.9	2 0.6 4.8	2 0.6 4.3	13
14	2 0.4 4.5	2 0.3 4.5	2 0.8 4.2	.. ..	2 0.5 4.2	2 0.4 4.5	.. ..	.. ..	2 0.6 4.3	2 0.4 4.5	2 0.7 4.4	.. ..	14
15	.. ..	.. ..	2 0.5 4.1	2 0.3 4.3	2 0.7 4.0	2 0.7 4.1	2 0.5 4.5	2 0.5 4.8	2 0.7 4.2	2 0.6 4.0	2 0.6 4.5	2 0.6 4.8	15
16	2 0.3 4.8	.. ..	2 0.7 4.5	2 1.2 4.5	2 0.5 4.8	.. ..	2 0.6 4.3	2 1.2 4.2	2 0.6 4.7	.. ..	2 0.6 4.0	2 1.4 4.6	16
17	.. ..	.. ..	3 1.0 4.–	2 1.3 4.0	2 0.9 4.8	3 0.7 4.6	3 0.9 4.7	3 0.9 4.0	2 1.2 4.8	3 1.1 4.5	3 1.– 4.–	3 1.0 4.–	17
18	.. ..	1 2.– 3.8	1 1.3 3.7	1 1.0 3.7	.. ..	.. ..	1 1.1 3.6	2 0.8 3.8	.. ..	.. ..	2 1.0 3.6	2 0.8 3.9	18
19	2 0.6 3.4	2 0.3 3.8	.. ..	2 0.7 4.1	2 0.5 4.0	2 0.5 4.0	.. ..	2 0.5 4.3	2 0.7 4.0	2 0.6 3.8	.. ..	2 0.6 3.9	19
20	2 0.5 4.4	2 1.1 3.9	1 2.2 3.8	1 4.– 3.9	2 0.8 4.1	2 0.9 3.9	1 2.0 3.6	1 3.9 3.8	2 0.6 3.8	2 1.2 4.1	1 1.4 3.9	1 3.3 4.0	20
21	1 1.7 3.8	2 1.5 4.1	2 1.0 4.2	2 0.7 4.4	1 1.7 3.7	2 1.3 3.9	2 1.0 4.4	2 0.9 4.4	1 2.5 4.0	2 1.7 4.1	2 1.3 4.3	2 1.2 4.3	21
22	2 1.0 4.6	2 1.0 4.5	2 0.9 4.8	.. ..	2 1.0 4.4	2 1.0 4.7	2 1.0 4.7	.. ..	2 1.0 4.6	2 1.5 4.5	2 1.4 5.1	.. ..	22
23	2 0.6 4.9	.. ..	2 0.5 4.7	2 0.6 4.8	2 0.7 4.9	.. ..	2 0.5 4.7	2 0.7 4.5	2 0.8 5.3	.. ..	2 0.8 4.7	2 1.0 4.6	23
24	2 0.7 4.3	2 0.9 4.4	.. ..	3 1.0 5.–	2 0.8 4.9	2 0.9 4.4	.. ..	3 2.– 5.–	2 1.0 4.8	2 1.0 4.5	.. ..	3 1.7 5.–	24
25	3 1.2 5.–	3 1.0 5.–	2 0.7 4.0	2 0.5 4.4	3 1.2 5.–	3 1.0 5.–	2 0.9 4.6	2 1.0 5.1	3 1.2 5.–	3 1.0 5.3	2 1.1 4.8	2 0.9 5.2	25
26	2 0.6 4.9	2 0.5 5.0	.. ..	.. ..	2 0.9 5.2	2 0.8 4.5	2 0.8 5.0	2 1.0 5.0	2 0.7 5.0	2 1.0 4.8	2 0.9 4.7	2 0.8 5.1	26
27	.. ..	.. ..	.. ..	.. ..	2 0.8 4.8	2 0.7 4.4	2 0.7 4.6	2 0.6 4.1	2 1.0 4.9	2 0.8 5.0	2 0.9 4.6	2 0.8 4.5	27
28	.. ..	.. ..	.. ..	.. ..	2 0.8 4.3	3 0.9 4.–	2 0.8 5.1	2 1.5 4.7	2 0.8 4.6	3 0.8 4.–	2 1.2 4.9	2 1.3 4.8	28
29	.. ..	.. ..	.. ..	.. ..	2 1.0 5.2	.. ..	2 0.5 4.8	2 0.7 4.8	2 0.9 5.0	.. ..	2 0.6 4.4	2 1.0 4.6	29
30	.. ..	.. ..	.. ..	.. ..	1 1.9 5.0	1 1.6 4.9	.. ..	.. ..	1 2.3 4.9	1 2.0 5.2	1 1.0 5.1	2 1.0 5.0	30
31	.. ..	.. ..	2 0.6 4.6	2 0.7 4.2	.. ..	.. ..	2 0.8 4.4	1 1.1 4.8	2 0.8 4.7	2 1.0 5.0	2 0.6 4.4	1 1.0 4.4	31

Microseisms. København

1957 April	Z 0h	Z 6h	Z 12h	Z 18h	N 0h	N 6h	N 12h	N 18h	E 0h	E 6h	E 12h	E 18h	1957 April
1	2 0.8 4.7	2 0.7 5.0	.. ..	2 0.5 4.8	2 0.9 5.1	2 0.7 4.8	.. ..	2 0.6 4.7	2 0.8 4.7	2 0.9 4.6	.. ..	2 0.5 4.6	1
2	2 0.5 4.9	2 0.3 4.7	2 0.2 5.–	2 0.2 5.–	2 0.5 4.8	2 0.4 4.4	2 0.4 4.4	2 0.3 4.5	2 0.6 4.9	2 0.5 4.7	2 0.4 4.7	2 0.4 4.4	2
3	2 0.3 4.7	2 0.3 4.9	3 0.2 5.–	3 0.4 5.–	2 0.3 4.4	2 0.3 4.3	3 0.4 4.6	3 0.5 5.–	2 0.4 4.7	2 0.5 4.6	2 0.4 4.6	2 0.5 4.8	3
4	3 0.5 6.–	3 0.6 6.–	3 0.6 6.–	3 0.6 6.–	3 0.6 6.–	3 0.6 6.–	.. ..	2 0.9 6.1	3 0.6 5.–	3 1.0 6.–	.. ..	2 0.5 5.6	4
5	3 0.6 6.–	3 0.8 6.–	2 0.9 5.9	2 1.0 5.4	2 1.0 5.7	2 1.5 5.6	2 1.1 5.8	2 1.4 5.4	2 0.6 5.2	2 0.8 5.5	2 0.8 5.9	2 1.2 5.5	5
6	2 1.1 5.5	2 1.5 5.1	1 1.1 5.0	1 1.1 5.4	2 1.3 5.1	2 1.4 5.5	1 1.4 5.0	1 1.3 4.8	2 1.4 5.3	2 1.5 5.6	1 1.5 5.2	1 1.2 5.1	6
7	2 0.9 5.0	2 0.6 4.4	2 0.4 4.5	2 0.4 4.2	2 1.0 5.1	2 0.6 4.5	2 0.6 4.1	2 0.6 4.3	2 0.8 5.2	2 0.8 4.6	2 0.5 4.3	2 0.4 4.4	7
8	2 0.4 4.1	2 0.5 4.7	2 0.7 4.8	2 0.6 4.8	2 0.4 4.3	2 0.7 4.8	2 0.6 4.8	2 0.5 4.8	2 0.4 4.5	2 0.6 4.7	2 0.7 4.8	2 0.7 4.9	8
9	2 0.5 4.6	2 0.5 4.8	.. ..	2 0.4 4.4	2 0.6 4.7	2 0.6 4.6	.. ..	2 0.4 4.3	2 0.7 4.8	2 0.7 4.7	.. ..	2 0.7 4.2	9
10	2 0.3 4.3	.. ..	.. ..	2 0.4 5.2	2 0.5 4.1	.. ..	.. ..	2 0.6 4.6	2 0.4 4.1	.. ..	.. ..	2 0.6 5.0	10
11	2 0.6 4.7	2 0.7 4.8	2 0.7 4.4	2 0.5 4.2	2 0.7 4.6	2 0.6 4.3	2 0.4 4.4	2 0.4 4.5	2 0.7 4.8	2 0.8 4.4	2 0.6 3.9	2 0.5 4.3	11
12	2 0.4 4.5	2 0.3 4.5	2 0.3 4.3	2 0.3 4.2	2 0.4 4.2	2 0.3 4.3	2 0.3 4.4	2 0.2 4.–	2 0.4 4.3	2 0.4 4.1	2 0.3 4.2	2 0.3 4.2	12
13	2 0.3 4.8	3 0.2 6.–	2 0.1 6.–	2 0.1 6.–	2 0.1 5.–	2 0.1 5.–	2 0.1 5.–	2 0.1 5.–	2 0.3 4.4	2 0.2 5.–	2 0.1 5.–	2 0.1 5.–	13
14	2 0.1 6.–	2 0.1 6.–	2 0.1 6.–	2 0.1 6.–	2 0.1 5.–	2 0.1 5.–	2 0.1 5.–	2 0.1 5.–	2 0.1 5.–	2 0.1 5.–	2 0.1 5.–	2 0.1 5.–	14
15	.. ..	2 0.1 6.–	2 0.1 5.–	2 0.2 5.0	.. ..	2 0.1 5.–	.. ..	2 0.3 4.7	.. ..	2 0.1 5.–	.. ..	2 0.2 5.0	15
16	2 0.2 5.1	.. ..	2 0.3 5.3	2 0.2 5.1	2 0.3 4.9	.. ..	2 0.4 4.8	2 0.3 4.5	2 0.3 4.8	.. ..	2 0.4 4.7	2 0.3 4.4	16
17	2 0.3 4.8	2 0.3 4.6	2 0.5 4.9	.. ..	2 0.3 4.6	2 0.3 4.8	3 0.4 5.–	3 0.6 5.–	2 0.3 4.5	2 0.4 4.8	2 0.5 4.7	3 0.7 5.–	17
18	.. ..	.. ..	2 0.7 6.5	2 0.7 6.3	3 0.6 5.–	3 0.8 6.–	2 0.8 6.2	2 0.9 6.0	3 0.7 5.4	3 0.7 6.–	2 0.9 6.0	2 0.9 5.8	18
19	2 0.6 5.7	2 0.8 5.8	2 0.9 5.8	2 1.0 6.0	2 0.9 5.6	2 0.9 5.6	2 1.1 5.5	2 1.0 6.0	2 1.0 5.6	2 0.9 5.8	2 1.0 5.9	2 1.0 5.7	19
20	.. ..	2 0.6 5.2	2 0.5 5.0	2 0.5 5.3	.. ..	2 0.5 5.4	2 0.5 5.3	2 0.7 5.6	.. ..	2 0.5 5.4	2 0.6 5.4	2 0.7 5.6	20
21	2 0.4 5.7	2 0.4 5.5	2 0.3 5.1	2 0.4 4.8	2 0.6 5.3	2 0.5 5.5	2 0.5 5.1	2 0.5 5.2	2 0.6 5.1	2 0.5 5.3	2 0.5 5.1	2 0.6 5.3	21
22	.. ..	2 0.5 5.0	2 0.5 5.3	2 0.3 5.4	.. ..	2 0.8 5.2	2 0.6 5.3	2 0.6 5.2	.. ..	2 0.6 5.3	2 0.9 4.8	2 0.7 5.4	22
23	2 0.5 5.5	2 0.3 5.2	2 0.4 5.8	.. ..	2 0.5 5.3	2 0.6 5.8	2 0.7 5.8	2 0.7 5.8	2 0.5 5.3	2 0.4 5.2	2 0.6 6.4	2 0.4 5.5	23
24	.. ..	.. ..	2 0.3 5.6	2 0.2 5.–	2 0.5 5.9	2 0.4 5.6	2 0.5 5.5	2 0.5 4.5	2 0.5 5.9	2 0.5 5.7	2 0.5 4.9	2 0.5 4.6	24
25	2 0.3 5.–	.. ..	2 0.4 4.5	2 0.4 6.–	2 0.5 4.5	2 0.3 4.6	.. ..	2 0.5 5.0	2 0.4 4.9	2 0.4 4.0	2 0.3 4.9	2 0.3 6.–	25
26	2 0.5 6.–	2 0.5 6.–	2 0.3 5.5	2 0.4 5.9	2 0.5 5.5	2 0.4 6.–	2 0.5 5.5	2 0.5 6.–	2 0.4 6.–	2 0.3 6.–	2 0.4 5.1	2 0.2 5.0	26
27	2 0.4 6.–	2 0.4 6.–	2 0.3 4.8	2 0.3 4.9	2 0.6 5.5	2 0.5 5.0	2 0.5 4.4	2 0.5 4.5	2 0.4 5.1	2 0.5 5.6	2 0.4 5.0	2 0.3 5.0	27
28	2 0.2 4.5	2 0.2 3.9	2 0.3 4.3	2 0.2 4.9	2 0.4 4.4	2 0.5 4.2	2 0.5 4.5	2 0.6 4.4	2 0.4 4.7	2 0.4 4.6	2 0.6 4.6	2 0.5 4.8	28
29	2 0.3 4.5	2 0.2 4.6	2 0.3 4.2	2 0.2 4.1	2 0.5 4.0	2 0.5 4.5	2 0.5 4.9	2 0.4 4.9	2 0.4 4.7	2 0.6 5.0	2 0.5 3.9	2 0.5 4.2	29
30	2 0.2 4.3	2 0.2 4.1	.. ..	2 0.3 3.9	2 0.4 3.9	2 0.2 3.9	.. ..	2 0.4 4.1	2 0.4 4.4	2 0.3 5.0	.. ..	2 0.2 3.9	30

International Seismological Centre

Microseisms. København

1957 May	Z 0h	Z 6h	Z 12h	Z 18h	N 0h	N 6h	N 12h	N 18h	E 0h	E 6h	E 12h	E 18h	1957 May
1	2 0.3 3.2	2 0.2 3.2	2 0.3 3.6	2 0.2 3.4	2 0.2 3.8	2 0.2 3.5	2 0.4 3.3	2 0.3 3.4	2 0.3 2.8	2 0.4 2.4	2 0.5 2.9	2 0.3 3.6	1
2	2 0.3 3.3	2 0.2 3.9	.. ..	2 0.6 5.0	2 0.3 3.7	2 0.4 3.9	.. ..	2 0.9 5.0	2 0.4 3.6	2 0.5 4.4	.. ..	.. ..	2
3	2 0.5 4.8	2 0.6 4.8	2 0.5 4.4	3 0.5 4.1	2 1.1 5.6	2 1.0 4.4	2 0.7 4.5	3 0.6 4.1	.. ..	.. ..	2 0.6 4.4	3 0.7 4.0	3
4	3 0.6 3.8	3 0.8 4.0	.. ..	.. ..	3 0.7 4.1	3 0.7 3.3	3 0.8 4.2	3 0.6 3.8	3 0.8 3.5	3 1.0 3.4	3 0.7 3.6	3 0.6 3.8	4
5	.. ..	.. ..	3 0.4 4.0	2 0.4 4.1	3 0.5 4.0	3 0.3 4.7	3 0.5 4.0	2 0.5 4.0	3 0.7 3.8	3 0.7 3.8	3 0.5 4.5	2 0.5 4.5	5
6	2 0.4 3.7	2 0.4 3.6	2 0.3 4.5	2 0.3 4.3	2 0.5 3.7	2 0.6 3.4	2 0.5 4.5	2 0.4 4.2	2 0.6 4.1	2 0.6 3.9	2 0.5 4.6	2 0.6 5.1	6
7	2 0.2 4.8	2 0.2 4.2	2 0.2 4.3	2 0.1 3.6	2 0.3 4.5	2 0.2 4.6	2 0.3 2.9	2 0.2 4.5	2 0.4 4.5	2 0.5 3.8	2 0.3 3.9	2 0.4 3.8	7
8	2 0.2 4.0	2 0.1 3.7	2 0.2 4.–	2 0.2 4.4	2 0.2 4.5	2 0.2 4.4	2 0.4 4.0	2 0.3 3.6	2 0.4 4.1	2 0.4 3.8	2 0.4 3.7	2 0.3 3.9	8
9	2 0.1 4.–	2 0.1 4.2	2 0.1 5.–	2 0.1 4.4	2 0.4 3.9	2 0.3 4.0	2 0.3 4.1	2 0.4 3.8	2 0.4 3.5	2 0.3 3.3	2 0.3 3.5	2 0.3 4.2	9
10	2 0.1 4.0	2 0.2 3.6	2 0.2 4.5	2 0.3 3.8	2 0.5 4.2	2 0.5 3.5	2 0.7 3.6	2 0.8 3.2	2 0.3 4.5	2 0.3 3.4	2 0.4 3.7	2 0.5 4.0	10
11	2 0.3 4.5	2 0.3 4.7	2 0.2 4.2	2 0.3 4.0	2 0.7 3.6	2 0.6 4.5	2 0.5 3.8	2 0.4 3.4	2 0.4 4.4	2 0.5 4.2	2 0.5 4.1	2 0.4 3.6	11
12	2 0.2 4.4	.. ..	.. ..	2 0.1 4.1	2 0.3 3.9	.. ..	.. ..	2 0.2 3.–	2 0.2 4.2	.. ..	.. ..	2 0.2 5.1	12
13	2 0.1 4.5	2 0.1 4.5	2 0.1 4.4	2 0.1 4.6	2 0.2 3.–	2 0.2 3.–	0 0.2 5.0	2 0.3 4.–	2 0.1 4.5	2 0.2 4.6	2 0.3 4.1	2 0.3 3.5	13
14	2 0.1 4.7	2 0.1 4.0	2 0.2 4.5	2 0.2 4.5	2 0.4 4.8	2 0.5 3.7	2 0.4 4.5	2 0.4 4.1	2 0.3 4.0	2 0.4 4.0	2 0.4 4 0	2 0 4 4 0	14
15	2 0.2 4.2	2 0.1 4.0	2 0.2 4.5	2 0.2 4.5	2 0.4 4.0	2 0.4 3.8	2 0.3 4.7	2 0.4 3.9	2 0.4 4.4	2 0.4 4.3	2 0.4 4.4	2 0.4 4.6	15
16	2 0.2 4.0	2 0.2 3.9	2 0.2 4.0	2 0.3 3.2	2 0.5 3.4	2 0.4 3.7	2 0.4 3.7	2 0.5 2.6	2 0.5 3.5	2 0.5 3.7	2 0.6 4.2	2 0.8 2.5	16
17	2 0.3 4.1	2 0.3 4.5	2 0.3 4.3	2 0.3 4.5	2 0.9 2.7	2 0.6 5.1	2 0.6 5.0	2 0.7 4.4	2 0.5 3.4	2 0.6 3.6	2 0.6 5.2	2 0.6 4.8	17
18	2 0.3 4.5	2 0.3 4.5	2 0.3 4.0	2 0.2 4.0	2 0.7 4.3	2 0.5 4.1	2 0.4 3.7	2 0.4 4.1	2 0.6 4.5	2 0.6 3.9	2 0.7 4.0	2 0.5 4.0	18
19	2 0.3 3.6	2 0.4 4.0	2 0.3 4.3	2 0.3 4.5	2 0.5 3.8	2 0.6 3.8	2 0.7 3.7	2 0.7 3.9	2 0.5 4.0	2 0.5 4.2	2 0.5 4.2	2 0.5 4.2	19
20	2 0.2 4.2	2 0.2 4.0	2 0.3 4.0	2 0.4 3.8	2 0.4 4.0	2 0.6 3.9	2 0.5 3.5	2 0.6 3.4	2 0.5 3.9	2 0.4 3 8	2 0.7 3.7	2 0.6 4.0	20
21	2 0.4 3.7	2 0.2 4.0	.. ..	2 0.3 3.3	2 0.6 3.5	2 0.6 3.7	.. ..	2 0.7 3.6	2 0.6 3.6	2 0.5 3.7	.. ..	2 0.5 3.8	21
22	2 0.3 3.6	2 0.2 3.8	2 0.3 4.2	2 0.1 3.7	2 0.8 3.4	2 0.6 3.7	2 0.5 3.5	2 0.5 3.2	2 0.5 4.3	2 0.7 3.3	2 0.4 3.8	2 0.4 3.5	22
23	2 0.1 3.9	2 0.1 3.9	2 0.3 3.8	2 0.3 3.2	2 0.6 4.1	2 0.5 3.4	2 0.5 3.4	2 0.3 3.–	2 0.4 4.0	2 0.5 3.5	2 0.4 3.0	2 0.4 3.6	23
24	2 0.3 3.5	2 0.4 2.8	2 0.1 3.3	2 0.1 3.3	2 0.5 3.5	2 0.6 3.0	2 0.6 3.4	2 0.6 2.9	2 0.4 3.1	2 0.5 3.2	2 0.6 3.1	2 0.6 3.0	24
25	2 0.1 3.9	2 0.1 3.8	2 0.1 4.–	2 0.1 3.9	2 0.5 3.2	2 0.5 3.5	2 0.3 3.9	2 0.4 3.5	2 0.5 3.0	2 0.4 3.5	2 0.4 3.8	2 0.4 3.6	25
26	2 0.1 3.0	2 0.1 4.4	2 0.1 4.5	2 0.1 4.0	2 0.4 2.5	2 0.2 3.5	2 0.3 4.–	2 0.4 4.7	2 0.3 2.5	2 0.3 4.0	2 0.4 4.5	2 0.4 3.9	26
27	2 0.2 5.0	2 0.2 4.8	2 0.1 4.6	2 0.1 4.7	2 0.4 4.5	2 0.5 5.–	2 0.3 4.–	2 0.3 5.–	2 0.3 4.6	2 0.3 4.4	2 0.3 4.5	2 0.3 4.1	27
28	2 0.2 4.4	2 0.2 4.5	2 0.2 4.6	2 0.3 4.4	2 0.3 4.0	2 0.4 4.8	2 0.5 4.5	2 0.5 4.5	2 0.3 4.1	2 0.5 3.9	2 0.5 3.9	2 0.6 3.6	28
29	2 0.2 4.4	2 0.2 4.5	2 0.6 4.7	2 0.5 4.7	2 0.4 4.1	2 0.5 4.7	2 0.6 4.9	2 0.6 4.7	2 0.4 3.3	2 0.4 4.5	2 0.4 4.5	2 0.5 4.5	29
30	2 0.6 4.2	2 0.5 4.8	.. ..	.. ..	2 0.6 4.5	2 0.6 4.3	.. ..	.. ..	2 0.4 4.3	2 0.4 4.5	2 0.5 3.6	2 0.5 3.5	30
31	.. ..	.. ..	2 0.4 3.5	2 0.2 3.5	.. ..	.. ..	2 0.8 3.2	2 0.8 3.2	2 0.6 3.8	2 0.6 3.8	2 0.6 3.5	2 0.6 3.5	31

Microseisms. København

1957 June	Z 0h	Z 6h	Z 12h	Z 18h	N 0h	N 6h	N 12h	N 18h	E 0h	E 6h	E 12h	E 18h	1957 June
1	2 0.3 3.2	2 0.3 3.3	2 0.4 3.5	2 0.4 3.5	2 0.7 3.0	2 0.7 3.1	2 0.8 3.3	2 0.8 3.5	2 0.7 3.0	2 0.7 3.0	2 0.7 3.0	2 0.6 3.6	1
2	2 0.3 3.5	2 0.2 3.5	.. ..	2 0.3 3.7	2 0.7 3.6	2 0.6 3.4	.. ..	.. ..	2 0.6 3.6	2 0.7 3.2	2 0.7 3.2	2 0.4 3.4	2
3	2 0.4 3.7	2 0.8 4.7	2 0.6 4.0	2 0.5 3.6	.. ..	.. ..	2 1.1 3.9	2 0.7 4.2	2 0.5 3.6	2 1.1 4.6	2 0.6 4.3	2 0.6 3.5	3
4	2 0.3 3.4	2 0.2 3.6	2 0.2 3.6	2 0.1 3.6	2 0.6 4.2	2 0.5 3.6	2 0.7 3.8	2 0.6 3.5	2 0.6 3.6	2 0.4 3.9	2 0.5 3.6	2 0.4 4.2	4
5	2 0.1 3.0	2 0.1 3.–	2 0.3 3.3	2 0.3 3.4	2 0.4 3.5	2 0.4 3.5	2 0.3 3.5	2 0.4 3.4	2 0.3 3.4	2 0.4 3.2	2 0.2 3.2	2 0.4 3.3	5
6	2 0.3 3.3	2 0.4 2.9	2 0.3 2.9	2 0.4 2.7	2 0.5 3.4	2 0.8 3.0	2 0.9 2.9	2 0.6 3.7	2 0.4 3.0	2 0.5 3.0	2 0.7 3.1	2 0.7 3.0	6
7	2 0.4 3.1	2 0.3 3.3	2 0.7 2.6	2 0.3 3.0	2 0.7 3.4	2 0.7 3.7	2 0.8 3.3	2 0.8 2.7	2 0.8 2.6	2 0.5 2.9	2 0.8 3.1	2 0.7 3.3	7
8	2 0.3 3.1	2 0.3 3.4	2 0.3 3.5	2 0.2 3.5	2 0.8 3.3	2 0.7 2.9	2 0.6 3.6	2 0.6 3.7	2 0.8 3.1	2 0.6 3.5	2 0.6 3.8	2 0.6 3.7	8
9	2 0.3 3.5	2 0.3 3.5	2 0.3 3.7	2 0.4 3.9	2 0.7 3.2	2 0.7 3.7	2 0.8 4.0	2 0.8 3.4	2 0.6 3.3	2 0.7 3.3	2 0.7 3.3	2 0.6 3.9	9
10	2 0.2 4.1	2 0.3 3.6	2 0.3 3.5	2 0.3 3.5	2 0.6 3.6	2 0.5 4.2	2 0.6 4.1	2 0.5 3.7	2 0.5 3.8	2 0.5 3.9	2 0.4 3.7	2 0.4 3.6	10
11	2 0.2 3.7	2 0.3 4.0	2 0.3 3.7	2 0.2 3.6	2 0.6 3.2	2 0.6 3.7	2 0.7 3.3	2 0.7 3.1	2 0.5 3.2	2 0.4 3.6	2 0.6 3.0	2 0.6 3.0	11
12	2 0.4 2.0	2 0.4 2.2	2 0.4 4.0	2 0.5 3.2	2 0.8 2.4	2 0.7 2.9	2 1.0 3.0	2 0.8 3.1	2 0.6 2.5	2 0.7 2.5	2 0.7 3.2	2 0.6 3.5	12
13	2 0.3 3.2	2 0.5 3.2	.. ..	2 0.8 3.7	2 0.9 2.7	2 0.8 3.1	.. ..	2 0.8 4.1	2 0.7 2.6	2 0.7 3.2	.. ..	2 0.7 3.8	13
14	2 0.4 3.9	2 0.3 4.2	2 0.5 4.5	2 0.5 4.8	2 0.7 3.7	2 0.9 3.9	2 0.6 4.3	2 0.8 4.3	2 0.5 3.8	2 0.7 3.4	2 0.5 4.0	2 0.5 4.0	14
15	2 0.5 4.9	2 0.5 4.5	2 0.4 4.3	2 0.3 4.5	2 0.6 4.2	2 0.6 4.1	2 0.5 4.4	2 0.5 4.0	2 0.6 4.7	2 0.6 4.7	2 0.5 4.2	2 0.5 4.2	15
16	2 0.3 4.6	2 0.3 4.7	2 0.2 4.1	2 0.2 4.3	2 0.6 4.2	2 0.4 4.4	2 0.5 4.3	2 0.4 4.3	2 0.5 4.6	2 0.5 4.6	2 0.4 4.5	2 0.4 4.3	16
17	2 0.1 4.3	2 0.2 3.8	2 0.3 4.4	2 0.4 4.7	2 0.4 4.0	2 0.4 4.0	2 0.5 4.2	2 0.7 4.9	2 0.3 4.1	2 0.3 4.0	2 0.5 4.1	2 0.6 5.0	17
18	2 0.4 5.1	2 0.4 4.5	2 0.5 4.7	2 0.4 4.7	2 0.7 4.5	2 0.6 5.1	2 0.6 4.2	2 0.6 3.8	2 0.7 4.5	2 0.7 4.3	2 0.7 4.6	2 0.5 4.3	18
19	2 0.3 4.5	2 0.3 4.3	2 0.4 3.9	2 0.4 4.0	2 0.6 4.2	2 0.5 4.6	2 0.6 4.1	2 0.6 4.3	2 0.5 4.1	2 0.5 4.1	2 0.5 4.5	2 0.5 4.0	19
20	2 0.3 3.9	2 0.4 4.0	2 0.5 4.2	2 0.3 4.0	2 0.5 4.2	2 0.5 4.5	2 0.7 3.8	2 0.6 4.0	2 0.6 3.9	2 0.5 4.3	2 0.5 3.8	2 0.4 3.5	20
21	2 0.2 4.3	2 0.1 4.0	2 0.1 4.0	2 0.1 3.5	2 0.4 4.5	2 0.3 3.9	2 0.3 3.7	2 0.3 3.7	2 0.3 3.8	2 0.3 3.7	2 0.3 3.7	2 0.3 3.7	21
22	2 0.1 3.7	2 0.2 3.5	2 0.2 3.0	2 0.3 3.5	.. ..	2 0.3 3.7	2 0.3 3.3	2 0.3 3.5	2 0.2 2.7	2 0.1 3.5	2 0.3 3.2	2 0.2 3.6	22
23	2 0.1 3.5	2 0.1 4.0	2 0.1 3.5	2 0.1 2.7	2 0.2 2.5	2 0.3 3.2	2 0.4 3.1	2 0.1 2.3	2 0.1 2.8	2 0.2 2.9	2 0.2 3.5	2 0.2 2.6	23
24	2 0.1 2.9	2 0.1 2.8	2 0.1 3.2	2 0.1 3.5	2 0.2 2.3	2 0.3 2.6	2 0.3 3.8	2 0.2 3.7	2 0.3 2.6	2 0.3 3.0	2 0.2 3.5	2 0.2 3.8	24
25	2 0.1 3.7	2 0.1 3.7	2 0.3 3.3	2 0.1 3.7	2 0.2 3.3	2 0.1 3.4	2 0.2 3.5	2 0.2 3.5	2 0.1 3.3	2 0.2 3.5	2 0.3 2.8	2 0.1 3.4	25
26	2 0.2 3.4	2 0.1 3.5	2 0.1 2.9	2 0.2 2.9	2 0.3 3.0	2 0.2 2.9	2 0.1 2.9	2 0.2 3.4	2 0.2 2.6	2 0.2 2.2	2 0.2 2.5	2 0.2 2.7	26
27	2 0.3 3.2	2 0.3 3.6	2 0.3 2.8	2 0.3 3.3	2 0.3 3.5	2 0.3 3.5	2 0.3 3.5	2 0.4 3.5	2 0.6 3.2	2 0.6 3.2	2 0.4 3.1	2 0.5 3.2	27
28	2 0.3 3.6	2 0.3 3.1	2 0.3 3.0	2 0.3 3.5	2 0.6 3.7	2 0.4 3.4	2 0.6 3.4	2 0.6 3.5	2 0.6 3.5	2 0.6 3.4	2 0.5 3.4	2 0.6 3.3	28
29	2 0.2 4.0	2 0.1 4.1	2 0.1 3.6	2 0.1 3.9	2 0.4 3.5	2 0.5 3.9	2 0.4 3.8	2 0.3 3.9	2 0.4 3.7	2 0.5 3.8	2 0.4 4.4	2 0.3 4.7	29
30	2 0.1 4.6	2 0.1 4.5	2 0.1 4.5	2 0.1 4.3	.. ..	2 0.1 3.6	2 0.2 4.2	2 0.2 4.4	.. ..	2 0.2 3.9	2 0.2 3.5	2 0.2 3.5	30

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PRINTED BY BIANCO LUNO A/S · COPENHAGEN

International Seismological Centre

No. 68 July—Sept. 1957

GEODÆTISK INSTITUT

Proviantgården · Copenhagen · Denmark

Bulletin of the seismological station

KØBENHAVN

$\varphi = 55°41'$ N. $\lambda = 12°26'$ E. $h = 13$ m.

Lithologic foundation: chalk

Instruments

Galitzin-Wilip. *N*, *E*, and *Z*. $T_p = T_g = 12^1/_2$ sec, $\mu^2 = 0$, $\frac{Ak}{\pi l} = 255$ sec^{-1} or V_{max} = abt. 1000.
Benioff. *Z'*. $T_p = 1$ sec, $T_g = ^1/_4$ sec, V_{max} = abt. 30 000.
Wiechert 1000 kg. *N* and *E*. $T = 8^1/_2$ sec, $\nu = 5{:}1$, $\varrho = 0.3$ mm, $V_0 = 210$.
Wiechert 1300 kg. *Z*. $T = 6$ sec. $\nu = 6{:}1$, $\varrho = 0.1$ mm, $V_0 = 150$.

Seismological Readings

Phases are indicated by the symbols used in ISS. Times are given in GMT. Positions of epicenters are most often due to USCGS. The periods given are periods of full oscillations. The amplitudes are single amplitudes of the ground in microns. + indicates ground motion towards the north, towards the east, or upwards. – indicates the opposite direction. Unless otherwise stated, the periods and amplitudes are due to readings on the Galitzin instruments.

Microseismic Readings

For every group of figures the first one indicates the character of the microseisms. 1 is group microseisms, 2 is continuous microseisms, 3 is irregular or mixed microseisms. Thereafter the single ground amplitude in microns is

ue to the Galitzin instruments.

The following bulletins are in preparation and will be sent in a short time:

København, no. 66 (1956),
no. 67 (januar - june 1957).

July

1 *eP·Z′ZE* 19h41m02s +
ePP·Z 43 08
iS·NE 49 41 10s. *N*: −8 μ, *E*: −6 μ.
iN 50 14 12s. −8 μ.
eSS·NE 53 58
L·NE 20 02
Δ = 65°. India-Burma border.

2 *iP·Z′ZNE* 0 49 06 7s. *N*: +6μ, *E*: −19μ, *Z*: +24μ.
iPP·E 50 09
ePPP·N 50 19
iS·NE 54 30 10s. *N*: −12 μ, *E*: −30 μ.
M·E 1 08 16s. 160 μ.
Δ = 34°. Northern Iran.

3 *e·NE* 2 16.1

3 *i·Z′Z* 6 21 24 −

3 *iP·Z′ZN* 12 36 18 −
ePcP·Z′ 36 31
eZ′ 37 06
ePP·Z 39 00
eS·NE 45 54 *N* +, *E* +.
ScS·NE 46.6
L·NE 13 01
Δ = 74°. Aleutian Islands.

3 *L·NE* 21 19

4 *L·N* 3 13.5
L·E 17.0

4 *L·N* 13 13
L·E 14

5 *L·N* 1 43.4
L·E 44.6

5 *eP·Z* 15 42 11 +
eS·E 50 08 −
eL·E 16 03
Δ = 58°. Belgian Congo.

7 *iP·Z′Z* 6 04 16 4s. −3 μ.
eS·NE 08 43
M·E 17 12s. 8 μ.
Δ = 26°. Turkey.

7 *iPKP·Z′* 16 30 16
e·E 41.4
e·E 47.4
L·NE 17.1
Δ = 123°. Solomon Islands.

July

8 *eP·Z* 15h43m04s −
43 28 −
epP·Z 46 25
ePP·Z 53 30
eSKS·NE 54 02
e·NE 16 10
L·N
Δ = 86°. *h* = 150 km. Guatemala.

9 *ePP·Z* 10 15 14
eSKS·N 22.8
ePS·Z 24 08
ePS·E 24 20
eSS·E 29.7
e·N 31.2
L·N 47
Δ = 95°. *h* = 60 km. Sumatra region.

9 *eP·ZNE* 20 39 28 8s. *Z*: +1 μ.
Δ = 19°. North of Iceland.

9 *eP·ZNE* 21 24 47
L·N 32.3
Δ = 19°. North of Iceland.

10 *L·NE* 5 26

10 *eP·ZNE* 6 10 13 5s. *Z*: +1 μ.
L·E 15.4
Δ = 19°. North of Iceland.

10 *eP·Z′Z* 9 16 56 4s. −2 μ.
ePP·E 20 18
eSKS·E 27 26 1μ.
iS·N 27 40 8s. −4 μ.
ePS·E 28 09
L·NE 44
Δ = 87°. Panama region.

10 *iP·Z′* 23 42 02 +
eS·E 45 53
eSS·E 46 24
L·E 49.4
Δ = 22°. South of Greece.

12 *eP·Z′* 21 26 05
eP·Z 26.2
L·NE 22 01

12 *L·NE* 22 56

13 *iP·Z′* 1 10 58 −
iPcP·Z′ 11 09
e·E 20.7
e·NE 21 21
L·NE 37.5
Δ = 73°. Aleutian Islands.

International Seismological Centre

København 1957

July

13 *L·NE* 3h42.7

14 *eP·Z′Z* 2 38 25
L·NE 3 03
Δ = 73°. Kurile Islands.

14 *eiPKP·Z′Z* 6 43 24 6s. *Z*: −7 μ.
i·Z′NE 43 29 *Z′*: −.
i·Z 44 47
iPP·ZNE 47 06 8s. *N*: +6 μ, *E*: −7 μ, *Z*: −14 μ.
e·N 48 55 −
e·E 58 16
e·N 58 25 +
e·N 61 30 +
Δ = 151°. *h* = 200 km. Tonga Islands region.

14 *ePKP·Z′Z* 8 30 39
i·Z′ZN 30 46
ePP·ZNE 34 33
eSKKS·N 41.4
eSKSP·N 44 28
eSS·E 54.3
eSSS·N 60.4
M·N 9 28 24s. 12 μ.
Δ = 153°. Kermadec Islands.

14 *ePKP·Z′Z* 10 02 04
Δ = 142°. Tonga Islands.

15 *eS·N* 9 46.0
e·E 46 21
L·NE 48.3
Δ = 24°. Atlantic Ocean.

15 *eS·E* 23 24 02
eSS·E 27 35
eL·N 34.2
Δ = 48°. Pakistan.

17 *iPKP·Z′Z* 11 29 24 7s. *Z*: +2 μ.
i·Z 29 54
iPP·ZNE 31 44 8s. *Z*: +4 μ.
iPKS·NE 32 51 7s. *N*: +4 μ, *E*: +4 μ.
eL·NE 12.0
Δ = 131°. Santa Cruz Islands.

17 *iS·NE* 18 58.5
eL·NE 19 10
Δ = 60°. Mid Atlantic Ocean.

18 *L·ZNE* 12 21

18 *iP·Z′Z* 12 18 27
iS·NE 28 11
Δ = 83°. *h* = 400 km. South of Honshu, Japan.

July

19 *eP·Z′* 12h09m59s
Δ = 71°. Aleutian Islands.

19 *eP·Z′Z* 13 14 22
e·Z 14 46
eS·NE 24 17
ePS·NE 25 07
L·NE 40
Δ = 78°. Formosa region.

20 *iP·Z′Z* 14 19 52 *Z*: +
iS·E 29 23 +
L·E 44
M1·E 50.5 20s. 3 μ.
M2·E 56.0 18s. 6 μ.
Δ = 73°. Hokkaido, Japan.

20 *L·NE* 19 25

21 *iP·Z′Z* 6 16 47 *Z′*: −
e·NE 27 24
L·NE 44
Δ = 86°. *h* = 100 km. Guatemala.

22 *ePKP1·Z′* 6 36 53
ePKP2·Z′ 37 22
e·N 37 41
eSKKS·N 47 44
L·NE 7 32
Δ = 156°. Kermadec Islands region.

22 *L·NE* 13 14

23 *iP·Z′ZN* 0 56 44 *Z′*: −. 8s. *N*: −2 μ, *Z*: +3 μ.
eS·NE 1 06 09
ePS·NE 06 27
L·NE 20
M1·N 28 20s. 8 μ.
M2·N 32 18s. 10 μ.
M3·N 36 16s. 20 μ.
Δ = 73°. Aleutian Islands.

24 *eSKS·NE* 2 23 07
eSKKS·NE 23 50
ePS·E 26 12
L·NE 50
Δ = 111°. Chile-Argentina border.

24 *ePKS·N* 11 25 38
ePPP·N 27.6
e·E 28 36
e·N 32.3
e·E 38 13
L·NE 12 04
Δ = 140°. New Hebrides.

July

25 *eP·Z'N* 7h54m07s
eS·NE 8 03 46
L·NE 8 19
Δ = 75°. Aleutian Islands.

25 *L·NE* 20 08

27 *L·NE* 16 11

27 *L·NE* 19 51

27 *L·NE* 21 47

28 *eP·Z* 8 52 57 +
eP·Z' 53 02
i·ZNE 53 10 Z: –
ePP·N 56 17
eSKS·E 9 03 40
eS·E 03 50
SS·E 09.4
L·NE 18
M·E 29 26s. 60 μ.
M·N 35 20s. 200 μ.
Wiechert readings.
Δ = 88°. Mexico.

28 *L·NE* 17 07

29 *iP·Z* 17 29 31 7s. + 1 μ.
iPP·Z'ZNE 33 48 7s. Z: + 2 μ.
ePPP·N 36 06
eSKS·NE 40 07 15s. E: + 3 μ.
eSKKS·E 41 08
iPS·NE 43 10 14s. N: + 3 μ, E: + 6 μ.
eSS·NE 49.0
L·NE 18 05
M·E 11 28s. 30 μ.
M·N 15 20s. 15 μ.
Δ = 107°. Coast of Chile.

August

4 *ePP·Z'* 0 59 02
e·E 1 07 31
e·Z 09 25
e·E 10 13
eSS·N 15 08
L·NE 1.6
Δ = 117°. New Guinea.

4 *eP·Z* 6 19 28
ePP·ZNE 22 56
e·E 30 17
eSS·N 36 08
L·NE 53
Δ = 88°. Mexico.

August

4 *eP·Z* 14h29m11s
ePP·ZNE 32 26
eSKS·E 39 38
eS·NE 40 08
eSS·E 45 53
L·NE 15 03
Δ = 88°. Mexico.

4 *ePP·Z* 21 27 10
eSKS·NE 33 41
ePS·NE 36 15
e·N 36 23
eSS·N 41 54
L·NE 21.9
Δ = 103°. South of Africa.

5 *L·NE* 3 18

5 *e·Z* 4 49 35
e·NE 5.9

6 *iP·Z'* 0 15 03
Δ = 70°. Kamchatka.

7 *L·NE* 6 28

7 *iPKP·Z'Z* 19 59 22
Δ = 140°. h = 550 km. Fiji Islands.

8 *L·NE* 20 17

8 *eS·NE* 22 52 43
L·E 23 00
Δ = 66°. Ascension Island region.

9 *ePP·ZE* 2 48 35
eSKS·E 54 38
e·N 56 18
L·NE 3 20
Δ = 110°. New Guinea.

10 *e·N* 20 36 13
e·NE 39 23
L·NE 42

11 *L·NE* 22 40

13 *L·NE* 16 34

14 *eP·Z'* 2 49 28
eS·NE 53 42
L·NE 57
Δ = 24°. Mediterranean Sea.

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August

14 *iP·Z'Z* 18h46m08s –
Δ = 145°. h = 200 km. Tonga Islands region.

14 *L·NE* 20 53

15 *e·Z'* 5 24 31
i·Z' 24 37
iLs·Z' 24 40
Δ = 8.4 km. Air crash. Southern port of København.

15 *eSKS·NE* 21 09 39
e·NE 11 07
eSS·N 20 35
Δ = 121°. h = 500 km. Solomon Islands region.

16 *eSS·E* 12 34.2
eL·NE 55
Δ = 121°. New Britain.

16 *ePP·N* 23 49 15
eSKS·NE 56 07
eS·N 56 45
e·E 57 42
ePS·NE 58 06
eSS·NE 24 03 08
eL·NE 13
M·E 23 28s. 25 μ.

17 *eP·Z'* 12 51 59
iP·Z' 52 00
i(pP)·Z' 53 22
Δ = 84°. Bonin Islands region.

18 *L·NE* 8 00

18 *eP·Z'* 8 50 06
e·NE 9 01 09
ePS·E 02 03
L·E 20
M·NE 26 25s. N: 50 μ, E: 25 μ.
Δ = 93°. Philippine Islands. No Z-record.

18 *iP·Z'* 21 53 47
eS·NE 22 02 53
eScS·NE 03 44
L·NE 16
M·NE 28 18s. N: 35 μ, E: 25 μ.
Δ = 70°. Kurile Islands. No Z-record.

19 *L·NE* 7 36

19 *ePP·Z* 11 55 58
ePKS·NE 57 08
e·Z 12 01 20
eL·NE 36
Δ = 128°. Solomon Islands.

August

19 *iP·Z'Z* 21h43m30s Z': –
eL·NE 22.2
Δ = 73°. Aleutian Islands.

20 *eSS·E* 7 05 37
L·NE 28
Δ = 128°. Solomon Islands.

20 *ePP·Z* 12 23 14
ePKS·NE 24.3
eSS·E 40.4
eSSS·E 45.2
eL·NE 13.0
Δ = 128°. Solomon Islands.

20 *L·N* 22 58

22 *M·NE* 6 54

23 *ePP·Z* 2 20 38
eSS·N 36.7
L·NE 55
Δ = 122°. New Britain region.

23 *L·NE* 12 25

26 *eP·Z* 11 42 31
ePP·Z 46 47
eSKS·NE 53 11
ePS·E 55 24
ePPS·N 56 14
eSS·NE 12 00.7
L·N 13
Δ = 98°. Southern Bolivia.

26 *eP·Z* 14 12 09
iSKS·E 22 42
iS·NE 23 20 19s. N: + 6 μ, E: + 4 μ.
ePS·E 24 30 15s. 6 μ.
ePPS·N 25 09
SS·E 29.5
L·NE 44
Δ = 93°. Near coast of Ecuador.

27 *L·NE* 12 00

28 *ePP·Z* 23 39 29
eSKS·N 46.2
eSS·N 53 16
L·NE 24 10
Δ = 94°. Mariana Islands.

August

30	*iP·Z′*	$16^h25^m55^s$	+
	iPP·Z′ZE	27 36	*E*: +
	eS·N	32 17	
	iS·E	32 19	−
	eSS·N	35 11	
	L·N	39 02	
	$\Delta = 43°$. Tadshik S.S.R.		

30	*eS·E*	20 26 49	
	L·NE	42	
	$\Delta = 83°$. South of Formosa.		

31	*L·NE*	0 38	

31	*L·E*	12.1	

31	*L·E*	12 26.5	

September

1	*ePP·E*	12 59 47	
	eS·N	13 04 31	
	eSS·N	07.5	
	L·NE	11	
	$\Delta = 44°$. Sinkiang Province, China.		

2	*eSKS·E*	0 24 07	
	eSS·E	31.5	
	L·NE	49	
	$\Delta = 97°$. Mariana Islands.		

2	*eSKKS·N*	10 15.8	
	e·E	16 48	
	ePPS·E	21 18	
	L·N	59	
	$\Delta = 139°$. Samoa Islands.		

2	*iP·Z′*	14 31 45	
	e·NE	32 21	
	eS·NE	41 15	
	L·NE	55	
	E = 73°. Aleutian Islands. No Z-record.		

2	*iP·Z′*	21 35 22	+
	e·E	35 25	6^s. + 2 μ.
	ipP·Z′	36 11	
	esP·Z′E	36 33	
	iPP·Z′E	37 08	
	i·E	38 12	8^s. + 2 μ.
	eS·N	41 36	10^s. − 3 μ.
	iS·E	41 41	
	esS·NE	42 51	
	eSS·N	44 35	
	i·E	45 09	13^s. 7 μ.
	$\Delta = 43°$. $h = 200$ km. Hindu Kush.		

September

3	*eP·ZNE*	$20^h28^m52^s$	
	eS·NE	33 06	
	L·NE	36.0	
	$\Delta = 24°$. USSR.		

4	*L·NE*	5 26	

5	*eP·Z*	11 43 43	
	eS·NE	49 42	
	L·NE	55.5	
	$\Delta = 39°$. Southern Iran.		

6	*eP·Z*	5 06 15	
	eS·N	15 47	
	L·E	30	
	$\Delta = 74°$. Aleutian Islands.		

6	*L·ZNE*	20 30	
	Southern Yugoslavia.		

7	*eP·Z*	6 59 52	
	e·E	7 09 50	
	L·NE	26	
	$\Delta = 70°$. Kurile Islands.		

7	*iP·Z′*	10 18 18	
	e·Z	18 27	
	iPP·ZN	21 08	*Z*: −.
	eS·N	27 41	
	ePS·N	27 57	
	L·NE	42	
	$\Delta = 72°$. Aleutian Islands.		

9	*L·NE*	1 18	

9	*L·NE*	10 08	

10	*L·N*	6 50	

10	*L·ZE*	20 31	

12	*iP·Z*	0 40 19	+
	iPP·Z	43 22	−
	eS·NE	50 22	
	ePS·N	50 44	
	eSS·E	55 46	
	L·NE	1 05	
	$\Delta = 79°$. North of Honduras.		

15	*L·NE*	19.7	

15	*L·NE*	22.8	

16	*L·NE*	1 59	

International Seismological Centre

København 1957

September

16	*e·N*	$14^h33^m10^s$	
	e·E	33 13	
	eL·N	49	
	eL·E	51	

18	*eL·NE*	1 38	

19	*eP·Z′*	17 34 46	
	eS·ZN	38 51	
	eL·E	44.5	
	$\Delta = 23°$. West of Svalbard.		

20	*L·NE*	2 30	

21	*iP·Z′Z*	20 21 36	
	eP·NE	21 38	
	iS·NE	25 24	*N*: +
	iS·Z	25 28	+
	L·NE	28	
	$\Delta = 21°$. Turkey.		

24	*eP·ZN*	8 34 48	5^s. *Z*: + 2 μ.
	e·Z	38 19	6^s. − 3 μ.
	iPP·Z	39 06	8^s. 8 μ.
	e·E	44 39	10^s. 5 μ.
	e·N	44 48	6^s. 4 μ.
	eSKS·E	45 32	10^s. − 3 μ.
	iSKS·N	45 36	9^s. − 4 μ.
	iS·E	46 06	8^s. + 8 μ.
	iS·N	46 11	6^s. + 4 μ.
	SS·N	53 36	
	$\Delta = 94°$. Philippine Islands.		

25	*eP·Z*	5 58 48	
	iS·NE	6 05 00	12^s. 2 μ.
	L·NE	08	
	$\Delta = 41°$. Azores region.		

25	*eP·Z*	16 50 22	
	ePP·Z	54 26	
	eSKS·E	17 01 20	
	e·E	04.0	
	L·NE	25	
	Philippine Islands aftershock.		

25	*L·NE*	23 07	

26	*L·NE*	0 23	

26	*e(SKS)·E*	19 11 02	
	e(S)·NE	11 30	
	L·NE	38	
	Philippine Islands aftershock.		

September

27	*ePP·E*	$4^h26.8$	
	eSKS·E	33.3	
	eSS·N	41 27	
	eSSS·E	45.7	
	L·NE	5 00	
	$\Delta = 105°$. Moluccas.		

28	*iP·Z′*	0 39 03	
	iS·N	48 36	8^s. + 5 μ.
	iS·E	48 37	7^s. − 5 μ.
	esS·NE	51 37	
	L·NE	1.2	
	$\Delta = 82°$. $h = 500$ km. South of Honshu, Japan.		

28	*iPKP·Z′ZNE*	14 38 31	9^s. *N*: + 13 μ, *E*: + 5 μ, *Z*: − 40 μ.
	ipPKP·Z	40 49	10^s. + 10 μ.
	isPKP·N	41 49	
	iPP·N	42 05	
	i·N	47 48	
	iSS·NE	59 52	15^s. *N*: − 20 μ, *E*: + 25 μ.
	$\Delta = 144°$. $h = 600$ km. Fiji Islands.		

29	*L·NE*	3.6	

29	*ePKP·Z′*	8 32 03	
	i·Z′Z	32 07	*Z*: 4^s. − 3 μ.
	ipPKP·Z′Z	34 18	*Z*: 5^s. − 5 μ.
	isPKP·Z	35 13	8^s. − 4 μ.
	i·Z	38 34	
	$\Delta = 148°$. $h = 600$ km. South of Fiji Islands.		

29	*L·NE*	18.5	

30	*L·NE*	21 10	

October 1957. HENRY JENSEN

Microseisms. København

1957 July	Z 0h	Z 6h	Z 12h	Z 18h	N 0h	N 6h	N 12h	N 18h	E 0h	E 6h	E 12h	E 18h	1957 July
1	2 0.1 4.2	2 0.2 4.5	2 0.2 2.9	2 0.2 2.8	2 02. 4.5	2 0.2 4.0	2 0.3 2.7	2 0.3 2.8	2 0.2 4.0	2 0.2 4.0	2 0.2 2.7	2 0.2 2.7	1
2	2 0.2 2.5	2 0.2 2.6	2 0.2 2.5	2 0.2 2.6	2 0.2 2.6	2 0.2 2.6	2 0.2 2.5	2 0.3 2.7	2 0.1 2.5	2 0.2 2.1	2 0.2 2.4	2 0.2 3.0	2
3	2 0.2 2.7	2 0.2 3.6	2 0.2 4.0	2 0.2 4.0	2 0.4 3.1	2 0.3 3.6	2 0.2 3.7	2 0.2 3.9	2 0.2 3.5	2 0.3 3.4	2 0.2 4.2	2 0.2 3.9	3
4	2 0.1 3.8	2 0.1 4.0	2 0.1 3.6	2 0.1 3.7	2 0.2 3.9	2 0.2 3.4	2 0.2 3.4	2 0.2 3.6	2 0.2 3.7	2 0.2 3.2	2 0.2 3.8	2 0.2 3.8	4
5	2 0.1 4.0	2 0.1 3.6	.. ..	.. ..	2 0.2 3.7	2 0.1 3.7	.. ..	.. ..	2 0.1 3.6	2 0.1 3.5	.. ..	.. ..	5
6	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	6
7	2 0.1 3.6	.. ..	.. ..	.. ..	2 0.2 3.4	.. ..	2 0.4 3.7	.. ..	2 0.2 3.2	.. ..	2 0.2 3.5	.. ..	7
8	.. ..	.. ..	2 0.2 3.9	2 0.2 3.6	2 0.4 2.9	2 0.3 3.3	2 0.5 3.4	2 0.6 3.2	2 0.2 3.0	2 0.4 3.5	2 0.4 3.3	2 0.5 3.3	8
9	2 0.4 3.6	2 0.5 3.7	2 0.4 3.7	2 0.6 3.7	2 0.6 3.6	2 0.6 3.2	2 0.4 3.5	2 0.5 3.7	2 0.6 3.7	2 0.7 3.7	2 0.6 3.5	2 0.4 3.5	9
10	2 0.4 3.5	2 0.2 3.5	2 0.1 3.7	2 0.1 3.7	2 0.4 3.4	2 0.4 3.5	2 0.3 3.5	2 0.2 3.5	2 0.4 3.5	2 0.3 3.6	2 0.2 3.5	2 0.2 3.4	10
11	.. ..	2 0.1 3.6	2 0.1 3.4	2 0.1 3.6	2 0.2 3.9	2 0.1 3.5	2 0.2 3.3	2 0.2 3.6	2 0.2 3.4	2 0.2 3.3	2 0.2 3.5	2 0.2 3.9	11
12	2 0.1 3.4	2 0.2 3.4	2 0.2 3.9	2 0.2 4.0	2 0.2 3.4	2 0.3 3.5	2 0.5 3.7	2 0.5 3.6	2 0.3 3.4	2 0.6 3.2	2 0.4 3.9	2 0.5 3.7	12
13	2 0.2 3.7	2 0.3 3.6	2 0.2 3.8	2 0.3 3.6	2 0.5 3.4	2 0.4 3.5	2 0.6 3.4	2 0.4 3.7	2 0.6 3.2	2 0.6 3.5	2 0.6 3.6	2 0.5 3.5	13
14	2 0.2 3.9	2 0.3 3.9	2 0.4 3.5	2 0.3 3.6	2 0.6 4.0	2 0.5 3.9	2 0.6 3.7	2 0.5 3.8	2 0.6 3.5	2 0.6 3.8	2 0.6 3.9	2 0.5 3.9	14
15	2 0.3 3.7	2 0.2 3.6	2 0.2 3.6	2 0.1 3.7	2 0.5 3.7	2 0.3 3.7	2 0.3 3.5	2 0.2 3.6	2 0.5 3.7	2 0.5 3.9	2 0.3 3.6	2 0.2 3.5	15
16	.. ..	2 0.1 3.6	2 0.1 3.4	.. ..	.. ..	2 0.1 3.2	.. ..	.. ..	.. ..	2 0.2 3.0	2 0.2 3.0	.. ..	16
17	.. ..	2 0.1 3.5	.. ..	2 0.2 3.5	2 0.8 3.2	2 0.4 3.5	.. ..	2 0.3 3.6	2 0.1 3.5	2 0.3 3.5	.. ..	2 0.4 3.8	17
18	2 0.2 3.6	.. ..	2 0.2 3.4	2 0.1 3.8	2 0.3 3.4	2 0.2 3.8	2 0.2 3.7	2 0.2 3.6	2 0.4 3.5	2 0.4 3.2	2 0.4 3.7	2 0.2 3.5	18
19	.. ..	.. ..	2 0.2 3.1	2 0.1 3.1	2 0.1 3.5	2 0.1 3.5	2 0.2 3.4	2 0.2 3.3	2 0.1 3.5	2 0.2 3.3	2 0.2 3.4	2 0.4 3.0	19
20	2 0.1 3.2	2 0.2 3.3	.. ..	2 0.2 2.6	2 0.3 3.0	2 0.2 3.3	.. ..	2 0.3 2.9	2 0.4 3.0	2 0.1 3.5	.. ..	2 0.2 1.9	20
21	2 0.1 2.2	2 0.1 3.0	.. ..	.. ..	2 0.2 1.5	2 0.4 2.0	2 0.1 2.1	2 0.1 2.3	2 0.2 2.0	2 0.1 1.6	2 0.2 3.2	2 0.2 3.4	21
22	.. ..	.. ..	.. ..	2 0.1 2.7	2 0.2 2.4	2 0.2 2.5	2 0.2 2.9	2 0.2 2.5	2 0.2 3.0	2 0.2 3.1	2 0.2 2.9	2 0.2 2.6	22
23	2 0.1 2.7	2 0.1 2.4	.. ..	.. ..	2 0.1 2.5	2 0.3 2.0	2 0.1 2.6	2 0.1 2.5	2 0.2 2.4	2 0.1 2.0	2 0.2 2.4	2 0.2 2.5	23
24	.. ..	.. ..	.. ..	.. ..	2 0.2 2.9	2 0.2 2.6	2 0.2 3.2	2 0.2 3.2	2 0.2 3.2	2 0.2 3.4	2 0.2 2.7	2 0.2 2.7	24
25	.. ..	.. ..	.. ..	2 0.1 3.0	2 0.2 3.0	2 0.3 3.0	2 0.2 2.6	2 0.2 2.5	2 0.3 2.9	2 0.4 2.4	2 0.1 2.5	2 0.1 2.4	25
26	2 0.2 2.6	2 0.2 2.8	.. ..	2 0.2 3.4	2 0.2 2.7	2 0.2 3.0	2 0.2 3.7	2 0.2 3.5	2 0.2 2.4	2 0.2 2.5	2 0.3 3.4	2 0.5 3.0	26
27	2 0.2 3.6	2 0.2 3.7	.. ..	2 0.2 3.7	2 0.2 3.5	2 0.4 3.7	2 0.3 3.7	2 0.2 3.9	2 0.4 3.1	2 0.5 3.5	2 0.4 3.6	2 0.4 3.7	27
28	2 0.2 3.7	2 0.1 3.5	.. ..	2 0.1 3.0	2 0.2 3.7	2 0.3 3.7	.. ..	2 0.2 2.6	2 0.4 3.9	2 0.3 3.6	.. ..	2 0.3 2.5	28
29	2 0.1 2.7	2 0.2 2.6	.. ..	.. ..	2 0.2 2.6	2 0.2 2.7	2 0.2 2.5	.. ..	2 0.4 2.4	2 0.4 2.3	2 0.2 2.4	.. ..	29
30	2 0.2 3.5	2 0.2 3.3	2 0.3 3.0	2 0.3 3.4	2 0.2 3.3	2 0.2 3.4	2 0.4 2.8	2 0.4 3.2	2 0.2 3.0	2 0.4 2.5	2 0.2 2.5	2 0.2 3.5	30
31	2 0.2 2.9	2 0.2 3.3	.. ..	.. ..	2 0.2 3.4	2 0.2 3.7	2 0.2 3.4	2 0.3 3.6	2 0.2 2.7	2 0.2 2.8	2 0.3 3.2	2 0.4 2.5	31

Microseisms. København

1957 August	Z 0h	Z 6h	Z 12h	Z 18h	N 0h	N 6h	N 12h	N 18h	E 0h	E 6h	E 12h	E 18h	1957 August
1	.. ..	.. ..	.. ..	.. ..	2 0.2 2.7	2 0.2 2.3	2 0.2 2.4	2 0.2 2.4	2 0.3 2.1	2 0.2 2.4	2 0.1 2.0	2 0.2 1.8	1
2	.. ..	.. ..	2 0.2 2.7	2 0.2 3.2	2 0.2 3.0	2 0.3 2.6	2 0.2 2.7	2 0.4 2.4	2 0.2 2.6	2 0.4 2.5	2 0.2 2.7	2 0.4 2.6	2
3	2 0.3 2.5	2 0.2 2.7	2 0.2 2.5	2 0.2 3.0	2 0.3 2.7	2 0.2 2.9	2 0.2 3.0	2 0.3 3.0	2 0.2 2.6	2 0.2 2.1	2 0.2 2.5	2 0.2 2.4	3
4	2 0.2 2.7	2 0.1 2.9	2 0.1 2.1	2 0.1 2.3	2 0.2 2.5	2 0.2 2.5	.. ..	.. ..	2 0.3 2.5	2 0.2 2.7	2 0.1 2.4	2 0.1 2.7	4
5	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	5
6	.. ..	.. ..	2 0.1 4.0	2 0.1 3.8	.. ..	.. ..	2 0.1 3.0	2 0.2 3.0	.. ..	.. ..	2 0.2 3.1	2 0.1 2.8	6
7	2 0.1 3.5	2 0.1 3.5	2 0.2 3.3	2 0.2 3.9	2 0.2 3.4	2 0.2 3.5	2 0.2 3.0	2 0.2 3.6	2 0.2 3.1	2 0.2 3.0	2 0.2 3.2	2 0.2 3.7	7
6	2 0.2 3.9	2 0.2 3.5	2 0.2 3.7	2 0.2 3.4	2 0.2 3.4	2 0.2 4.0	2 0.2 3.8	2 0.1 3.5	2 0.2 3.5	2 0.2 3.5	2 0.2 3.5	2 0.1 3.7	8
9	.. ..	2 0.1 2.4	2 0.2 2.5	2 0.4 2.6	2 0.1 2.5	2 0.2 2.6	2 0.2 2.5	2 0.2 2.6	2 0.1 3.3	2 0.2 2.1	2 0.4 2.3	2 0.6 2.4	9
10	2 0.2 2.5	2 0.2 2.9	2 0.2 3.7	2 0.3 3.3	2 0.4 2.9	2 0.4 2.5	2 0.6 3.3	2 0.6 3.2	2 0.4 2.8	2 0.4 3.1	2 0.7 2.9	2 0.6 3.1	10
11	2 0.2 3.2	2 0.3 3.1	2 0.4 3.7	1 0.5 3.4	2 0.6 2.9	2 0.6 3.2	2 0.6 3.7	1 0.6 4.2	2 0.7 3.0	2 0.6 3.5	2 0.6 3.7	1 0.7 3.9	11
12	1 0.6 4.0	1 0.8 4.4	1 1.0 4.2	1 0.7 4.1	1 0.8 3.8	1 0.9 3.7	1 1.1 4.0	1 0.8 4.2	1 1.1 3.9	1 1.1 4.3	1 1.2 4.4	1 1.0 3.7	12
13	2 0.5 3.4	2 0.3 3.7	2 0.3 3.0	2 0.2 3.3	2 0.6 3.5	2 0.6 4.0	2 0.4 3.4	2 0.4 3.3	2 0.6 3.7	2 0.5 3.6	2 0.4 3.4	2 0.5 3.0	13
14	2 0.2 3.0	2 0.2 3.6	2 0.2 3.4	2 0.2 3.4	2 0.4 3.3	2 0.4 3.4	2 0.5 3.1	2 0.4 3.3	2 0.4 2.7	2 0.5 2.9	2 0.3 3.3	2 0.4 3.1	14
15	2 0.2 3.5	2 0.3 3.5	2 0.4 3.6	2 0.5 3.3	2 0.5 3.3	2 0.6 3.4	2 0.6 3.5	2 0.6 3.3	2 0.4 3.7	2 0.6 3.4	2 0.6 3.7	2 0.8 3.4	15
16	2 0.4 3.1	2 0.2 3.5	2 0.2 3.4	2 0.2 3.5	2 0.6 3.3	2 0.3 3.3	2 0.4 3.0	2 0.2 3.3	2 0.5 3.2	2 0.4 3.4	2 0.5 2.6	2 0.4 3.0	16
17	.. ..	2 0.1 3.6	.. ..	.. ..	.. ..	2 0.2 3.2	2 0.3 2.9	2 0.4 2.9	.. ..	2 0.4 2.7	2 0.2 3.4	2 0.3 2.8	17
18	.. ..	.. ..	2 0.1 2.8	2 0.2 2.7	2 0.3 3.6	2 0.3 3.4	2 0.2 2.5	2 0.2 2.7	2 0.4 2.8	2 0.3 3.7	2 0.1 2.4	2 0.2 2.5	18
19	2 0.2 2.9	2 0.3 2.7	2 0.1 2.7	2 0.2 2.7	2 0.3 3.0	2 0.2 2.5	2 0.2 2.7	2 0.2 2.7	2 0.3 2.6	2 0.2 2.5	2 0.2 2.5	2 0.2 2.5	19
20	2 0.2 2.8	2 0.2 2.9	2 0.2 2.8	2 0.2 3.5	2 0.3 2.9	2 0.3 2.6	2 0.3 3.5	2 0.6 3.6	2 0.4 2.4	2 0.4 2.9	2 0.4 3.5	2 0.3 3.7	20
21	2 0.3 3.2	2 0.3 3.4	.. ..	.. ..	2 0.6 3.4	2 0.7 3.3	2 0.6 4.0	1 0.6 3.9	2 0.8 2.9	2 0.7 3.4	1 0.7 3.7	1 0.6 3.6	21
22	.. ..	.. ..	1 0.6 4.4	1 0.6 4.5	1 0.6 4.0	1 0.6 4.3	1 0.6 4.6	1 0.6 4.5	1 0.6 3.9	1 0.7 3.7	1 0.7 4.0	1 0.7 4.1	22
23	1 0.6 4.1	1 0.6 4.5	1 0.4 4.2	1 0.4 3.5	1 0.6 4.4	1 0.7 4.4	1 0.6 4.2	1 0.6 4.0	1 0.6 4.1	1 0.6 4.0	1 0.6 4.6	1 0.6 3.9	23
24	1 0.5 4.2	1 0.4 4.2	2 0.6 3.6	2 0.6 4.0	1 0.6 4.0	1 0.6 3.9	1 0.6 3.9	2 0.7 3.6	1 0.6 3.9	1 0.8 3.8	1 0.8 3.4	1 1.0 3.3	24
25	2 0.6 3.6	2 0.6 3.9	1 0.7 3.5	1 0.8 3.3	2 0.6 4.0	2 0.6 3.5	1 0.6 3.6	1 1.1 3.5	1 0.6 3.9	1 1.1 4.3	1 1.2 3.7	1 1.0 4.0	25
26	2 0.7 3.5	2 0.4 3.2	2 0.3 2.8	2 0.4 3.0	1 0.9 3.6	2 0.7 3.1	2 0.3 3.5	2 0.4 3.0	1 0.7 3.9	2 0.6 3.0	2 0.2 2.7	2 0.4 2.9	26
27	2 0.3 2.9	2 0.3 3.4	2 0.2 3.1	2 0.2 2.8	2 0.3 3.0	2 0.3 2.6	2 0.3 3.0	2 0.3 2.7	2 0.3 3.2	2 0.4 2.8	2 0.3 2.6	2 0.3 2.7	27
28	2 0.2 2.9	2 0.2 3.0	2 0.2 3.0	2 0.1 3.0	2 0.2 2.9	2 0.2 2.8	2 0.2 2.8	2 0.2 3.0	2 0.4 2.4	2 0.4 2.3	2 0.2 2.7	2 0.2 3.1	28
29	2 0.2 3.1	2 0.2 3.0	2 0.2 2.8	2 0.2 2.5	2 0.2 3.0	2 0.2 3.0	2 0.4 3.0	2 0.4 2.6	2 0.2 2.9	2 0.2 3.2	2 0.4 2.5	2 0.2 2.6	29
30	2 0.1 2.6	2 0.2 3.2	2 0.2 2.4	.. ..	2 0.2 2.4	2 0.4 2.3	2 0.4 3.1	2 0.4 2.5	2 0.4 2.4	2 0.4 2.0	2 0.3 2.7	2 0.4 2.7	30
31	.. ..	.. ..	.. ..	.. ..	2 0.2 3.0	2 0.2 2.0	.. ..	.. ..	2 0.3 2.7	2 0.2 2.4	2 0.2 2.3	2 0.2 2.2	31

International Seismological Centre

Microseisms. København

1957 Sept.	Z 0h	Z 6h	Z 12h	Z 18h	N 0h	N 6h	N 12h	N 18h	E 0h	E 6h	E 12h	E 18e	1957 Sept.
1	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	2 0.2 2.5	2 0.2 1.9	2 0.2 2.3	2 0.2 2.1	1
2	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	2 0.1 2.5	2 0.1 2.6	2 0.1 2.1	2 0.3 1.9	2 0.1 2.9	2 0.1 3.0	2
3	.. ..	.. ..	2 0.1 2.–	2 0.1 2.–	2 0.2 2.7	2 0.2 2.7	2 0.2 2.5	2 0.2 2.6	2 0.2 2.5	2 0.1 2.0	2 0.2 2.5	2 0.2 2.2	3
4	2 0.1 2.–	2 0.1 2.–	2 0.1 3.0	2 0.1 3.7	2 0.2 2.7	2 0.1 2.3	2 0.1 3.1	2 0.1 3.3	2 0.2 2.0	2 0.1 2.0	2 0.1 3.3	2 0.1 3.0	4
5	2 0.1 4.0	2 0.2 3.4	2 0.4 2.9	2 0.4 3.0	2 0.2 3.0	2 0.4 3.0	2 0.2 3.1	2 0.2 2.6	2 0.2 3.1	2 0.4 3.0	2 0.2 3.2	2 0.3 2.7	5
6	2 0.3 2.9	2 0.2 3.5	2 0.2 3.5	2 0.2 3.4	2 0.3 3.1	2 0.3 3.5	2 0.5 3.2	2 0.3 3.2	2 0.4 3.0	2 0.4 3.0	2 0.4 3.3	2 0.4 3.0	6
7	2 0.3 3.3	2 0.2 3.5	2 0.3 4.0	2 0.4 3.7	2 0.6 3.1	2 0.5 3.5	2 0.5 4.1	2 0.6 3.8	2 0.6 3.3	2 0.6 3.7	2 0.6 3.5	2 0.7 3.8	7
8	2 0.6 4.2	2 0.6 3.6	2 0.6 4.2	1 0.7 3.7	2 0.6 4.0	2 0.6 3.5	2 0.6 3.7	1 0.7 4.0	2 0.6 4.0	2 0.6 4.3	1 0.6 4.4	1 0.7 4.2	8
9	1 0.7 3.7	1 0.6 3.7	1 0.5 4.0	1 0.4 4.0	1 0.6 4.5	1 0.6 4.5	1 0.6 4.3	1 0.5 4.3	1 0.8 4.4	1 0.7 4.1	1 0.7 4.0	1 0.7 3.8	9
10	1 0.3 4.0	1 0.4 3.9	1 0.7 3.7	1 0.6 4.0	1 0.6 3.8	1 0.7 3.7	1 0.7 3.9	1 0.7 4.0	1 0.7 3.7	1 0.8 3.9	1 0.8 3.7	1 0.8 4.1	10
11	1 0.6 4.2	2 0.6 4.0	2 0.4 4.3	2 0.4 2.9	2 0.7 3.7	2 0.6 4.2	2 0.6 3.5	2 0.7 3.2	2 0.8 3.7	2 0.8 3.9	2 0.6 4.2	2 0.7 4.0	11
12	1 0.4 3.4	1 0.4 3.3	1 0.6 3.7	1 0.5 3.4	1 0.8 3.2	1 0.7 3.3	1 0.7 3.6	1 0.7 3.6	1 0.6 2.9	1 0.7 3.0	1 0.8 3.6	1 1.0 3.7	12
13	1 0.8 3.5	1 0.8 3.0	1 0.8 3.0	1 0.8 3.1	1 0.8 3.8	1 0.8 3.9	1 0.7 3.5	1 0.8 3.7	1 1.0 3.6	1 1.0 3.5	1 0.9 3.6	1 1.1 3.3	13
14	1 0.8 3.3	1 0.8 3.4	1 0.8 3.5	1 0.8 3.5	1 1.1 3.3	1 1.2 3.9	1 1.0 3.6	1 1.2 3.3	1 1.0 3.4	1 0.9 3.4	1 1.2 3.5	1 1.2 3.7	14
15	1 1.0 3.4	2 0.8 3.5	2 0.7 3.6	2 0.8 3.3	1 1.0 3.8	2 1.0 3.9	2 0.8 3.5	2 0.8 3.6	1 0.8 3.6	2 1.0 3.5	2 0.9 3.5	2 0.9 3.8	15
16	2 0.7 3.1	2 0.4 3.3	2 0.4 3.3	2 0.4 3.2	2 0.6 3.4	2 0.4 3.3	2 0.5 3.5	2 0.6 3.5	2 0.7 3.0	2 0.6 3.5	2 0.5 3.5	2 0.5 3.5	16
17	2 0.3 3.6	2 0.2 3.0	2 0.3 3.0	2 0.2 3.5	2 0.4 3.3	2 0.4 3.6	2 0.4 3.3	2 0.3 3.0	2 0.5 3.3	2 0.5 4.0	2 0.5 3.3	2 0.4 3.4	17
18	.. ..	.. ..	2 0.2 3.3	2 0.4 3.3	2 0.4 3.5	2 0.3 3.0	2 0.4 3.3	2 0.3 3.3	2 0.4 3.6	2 0.4 3.0	2 0.4 3.3	2 0.4 3.4	18
19	2 0.4 3.6	2 0.4 3.0	1 0.6 3.6	1 0.6 3.3	2 0.4 3.4	2 0.4 2.9	1 0.7 3.5	1 0.6 3.5	2 0.5 3.3	2 0.6 2.6	1 0.8 3.2	1 0.7 3.0	19
20	2 0.4 3.2	2 0.2 3.2	2 0.2 3.3	2 0.2 3.7	2 0.4 3.4	2 0.3 3.5	2 0.2 3.5	.. ..	2 0.4 3.4	2 0.5 3.1	2 0.3 3.6	.. ..	20
21	2 0.3 4.0	2 0.2 4.2	2 0.3 3.5	2 0.3 4.1	.. ..	.. ..	2 0.5 4.2	2 0.4 4.0	.. ..	.. ..	2 0.4 4.3	2 0.4 4.4	21
22	2 0.2 4.5	2 0.2 4.0	2 0.3 4.5	2 0.2 4.0	2 0.5 4.2	2 0.4 4.2	2 0.5 4.0	2 0.4 4.2	2 0.4 4.4	2 0.4 4.4	2 0.5 4.1	2 0.5 4.1	22
23	2 0.2 4.4	2 0.2 4.5	2 0.4 3.6	2 0.4 3.3	2 0.4 4.0	2 0.3 4.0	2 0.4 3.6	2 0.4 3.5	2 0.4 4.3	2 0.4 4.0	2 0.5 4.2	2 0.4 3.6	23
24	2 0.2 3.5	2 0.2 3.5	2 0.7 3.1	2 0.7 3.0	2 0.3 3.6	2 0.3 4.1	2 0.9 3.8	2 1.1 3.4	2 0.4 3.7	2 0.5 3.5	2 1.4 3.2	2 1.1 3.2	24
25	2 0.7 3.0	2 0.4 3.0	2 0.4 3.1	2 0.3 3.1	2 0.7 3.1	2 0.4 3.5	2 0.4 2.8	2 0.4 2.9	2 0.9 3.6	2 0.9 2.9	2 0.6 2.7	2 0.4 2.6	25
26	2 0.1 3.1	2 0.2 2.7	2 0.1 3.2	2 0.2 2.6	2 0.3 3.1	2 0.3 3.3	2 0.3 3.5	2 0.4 3.2	2 0.3 2.7	2 0.3 2.7	2 0.3 2.6	2 0.3 2.8	26
27	2 0.3 3.2	1 0.4 3.2	1 0.7 4.0	1 0.8 3.5	2 0.4 3.4	1 0.6 3.4	1 0.9 3.3	1 0.8 4.0	2 0.5 2.8	1 0.8 3.2	1 1.0 4.2	1 1.2 3.9	27
28	1 0.7 3.5	1 0.8 3.7	1 0.7 3.8	1 0.7 3.8	1 0.8 3.6	1 0.9 3.7	1 0.9 4.2	1 1.2 4.2	1 1.0 3.5	1 1.2 3.6	1 1.0 4.2	1 1.0 4.0	28
29	1 0.8 3.9	1 0.7 3.6	1 0.7 3.5	2 0.5 3.8	1 1.1 4.0	1 0.8 4.7	1 0.7 3.8	2 0.7 3.9	1 0.9 4.4	1 0.8 4.0	1 0.7 3.6	2 0.7 3.5	29
30	2 0.5 3.4	2 0.3 3.4	2 0.4 4.6	2 0.2 4.2	2 0.7 3.5	2 0.6 3.4	2 0.6 3.8	2 0.4 4.6	2 0.6 3.4	2 0.7 3.5	2 0.6 3.5	2 0.5 3.6	30

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International Seismological Centre

No. 69 Oct.—Dec. 1957

GEODÆTISK INSTITUT

Proviantgården · Copenhagen · Denmark

Bulletin of the seismological station

KØBENHAVN

$\varphi = 55°41'$ N. $\lambda = 12°26'$ E. $h = 13$ m.

Lithologic foundation: chalk

Instruments

Galitzin-Wilip. *N*, *E* and *Z*. $T_p = T_g = 12^3/_4$ sec, $\mu^2 = 0$, $\frac{Ak}{\pi l} = 260$ sec^{-1} or V_{max} = abt. 1000.
Benioff. *Z'*. $T_p = 1$ sec, $T_g = {}^1/_4$ sec, V_{max} = abt. 30 000.
Wiechert 1000 kg. *N* and *E*. $T = 8^1/_2$ sec, $\nu = 6:1$, $\varrho = 0.3$ mm, $V_0 = 210$.
Wiechert 1300 kg. *Z*. $T = 6$ sec, $\nu = 4:1$, $\varrho = 0.2$ mm, $V_0 = 150$.

Seismological Readings

Phases are indicated by the symbols used in ISS. Times are given in GMT. Positions of epicenters are most often due to USCGS. The periods given are periods of full oscillations. The amplitudes are single amplitudes of the ground in microns. + indicates ground motion towards the north, towards the east, or upwards. – indicates the opposite direction. Unless otherwise stated, the periods and amplitudes are due to readings on the Galitzin instruments.

Microseismic Readings

For every group of figures the first one indicates the character of the microseisms. 1 is group microseisms, 2 is continuous microseisms, 3 is irregular or mixed microseisms. Thereafter the single ground amplitude in microns is given, and at last the period of a full oscillation is stated. All readings are due to the Galitzin instruments.

October

1	*L·NE*	2h31m	
1	*L·NE*	3 21	
2	*i·Z′*	12 39 06	Possibly *P* to next shock.
2	*iP·Z′*	12 39 29	Possibly *PcP*. See previous shock.
	iS·NE	48 48	
	eSKS·E	49 31	
	eSS·NE	53.4	
	L·NE	59	
	Δ = 73°.	Venezuela.	
2	*eSS·E*	21 25.4	
	L·NE	36	
	Δ = 78°.	Chagos Islands.	
4	*eP·Z*	5 37 36	
	i·Z	38 14	
	ePP·Z	40 25	
	ePPP·Z	42 11	
	iS·NE	47 02	
	e·N	53.9	
	e·E	55.7	
	L·NE	6 00	
	M·ZNE	04	21s. *Z*: 20 *μ*, *N*: 10 *μ*, *E*: 25 *μ*.
	Δ = 73°.	Venezuela.	
4	*L·NE*	23 49	
5	*L·E*	11 49.5	
5	*L·E*	16 06	
5	*iS·E*	22 54 53	
	L·E	23 05	
	Δ = 42°.	Afghanistan.	
6	*e·NE*	9 11.4	
	L·NE	13	
	M·NEZ	15.8	12s. *N*: 8 *μ*, *E*: 5 *μ*, *Z*: 6 *μ*.
7	*eP·Z′Z*	13 30 58	
	iPcP·Z′Z	31 10	
	eS·N	40 10	
	ePS·NE	40 25	
	L·NE	57	
	Δ = 70°.	Kamchatka.	
7	*iPKP·Z′*	17 07 14	
	epPKP·Z′	09 55	
	Δ = 143°.	*h* = 650 km.	Fiji Islands.

October

8	*e·Z′*	7h04m58s	
	L·NE	10.3	
10	*iPKP·Z′*	19 03 30	
	ePP·Z′	07 22	
	Δ = 147°.	*h* = 400 km.	Fiji Islands.
10	*eP·Z′*	19 05 18	
	i·Z′	05 19	
	L·NE	35	
	Δ = 71°.	Aleutian Islands.	
11	*L·NE*	7 44	
12	*L·NE*	19 52	
12	*L·NE*	23 11	
13	*iP·Z′Z*	4 30 25	
	i·Z′Z	30 40	
	iS·E	39 46	
	ePS·N	39 54	
	L·NE	56	
	Δ = 70°.	Kamchatka.	
17	*L·NE*	14 52	
18	*L·NE*	2 01	
19	*iP·Z′Z*	18 41 10	
	ePP·NE	44 14	
	e·N	47 48	
	iS·NE	51 13	
	i·E	51 31	
	(i) PS·E	52 06	in the time break.
	i·N	19 02 40	
	L·NE	09	
	M·NE	13	20s. *N*: 95 *μ*, *E*: 50 *μ*.
	Δ = 82°.	Formosa.	
19	*iP·Z′Z*	21 53 15	
	iS·NE	22 02 28	
	L·NE	16	
	Δ = 73°.	Japan.	
20	*eP·Z′Z*	12 14 46	
	eS·N	23 06	
	i·NE	23 11	
	i·N	24 12	
	eScS·NE	24 42	
	L·NE	31	
	Δ = 61°.	Atlantic Ocean.	

International Seismological Centre

København 1957

October

22	*iP·Z′*	20h56m15s	
	L·NE	21 25	
	Δ = 74°.	Japan.	
23	*iP·Z′Z*	6 08 20	
	eS·NE	17.8	
	eScS·NE	18.5	
	L·NE	6.5	
	Δ = 73°.	Aleutian Islands.	
23	*i·Z′*	9 43 25	2s.
24	*L·NE*	1 27	
24	*L·NE*	2 44.4	
24	*L·NE*	22 27	
25	*eP·Z*	10 14 45	
	eS·NE	23 55	
	ePS·E	24 22	
	eSKS·NE	24 44	
	SSS·E	31.9	
	L·NE	39	
	M·NE	43	25s. *N*: 30 *μ*, *E*: 35 *μ*.
	M·NE	45	*N*: 22s, 35 *μ*, *E*: 20s, 20 *μ*.
	M·NE	49	*N*: 20s, 50 *μ*, *E*: 15s, 15 *μ*.
	Δ = 70°.	Kamchatka.	
26	*iPKP·Z′Z*	8 44 48	–. *Z′* in the time break.
	Δ = 144°.	*h* = 600 km.	Fiji Islands.
26	*iPP·Z*	14 34 54	–
	e·E	41 37	
	ePS·E	43 36	
	e·Z	43 39	
	eSS·E	49 12	
	L·NE	15 06	
	Δ = 99°.	Borneo.	
27	*i·Z′*	18 01 36	
27	*iP·Z′*	22 43 13	
	Δ = 65°.	Kamchatka.	
30	*eP·Z′*	1 48.1	
	L·NE	55	
	Δ = 23°.	Dodecanese Islands.	
30	*iP·Z′*	7 35 26	
	iS·N	39 32	
	i·E	39 37	
	L·NE	42.1	
	M·N	45	15s, 15 *μ*.
	M·E	46	15s, 20 *μ*.
	Δ = 23°.	Dodecanese Islands.	

October

31	*iP·Z′*	2h48m48s	
	iPcP·Z′	49 06	
	Δ = 76°.	Japan.	
31	*eP·Z′*	10 20 50	
	ePP·Z	24 12	
	iSKS·E	31 19	
	iS·E	31 29	
	i·N	31 31	
	ePS·E	32 27	
	i·N	32 37	
	iSS·N	37 07	
	L·NE	47	
	Δ = 88°.	Off coast of Panama.	

November

2	*L·NE*	18 38	
9	*L·NE*	22 22	
10	*eS·ZNE*	0 03 44	
	L·NE	06.8	
	Δ = 18°.	Greece.	
10	*ePP·E*	2 57 07	
	ePS·ZE	3 07.1	
	eSS·N	13 49	
	L·NE	35	
	Δ = 123°.	Solomon Islands.	
10	*L·NE*	6 50	
10	*L·N*	9 08	
10	*iP·Z′Z*	19 32 21	
	ePP·ZNE	35 19	
	eS·NE	42 16	
	eSS·E	47.5	
	L·NE	58	
	M·NE	19 03	25s. *N*: 12 *μ*, *E*: 12 *μ*.
	M·NE	04	16s. *N*: 12 *μ*, *E*: 12 *μ*.
	Δ = 80°.	Japan.	
13	*iPKP·Z′*	17 42 37	–
	iPP·Z	46 40	
	eSKSP·NE	57 11	
	iSSS·N	18 13 14	
	L·NE	39	
	Δ = 156°.	Kermadec Islands region.	
14	*L·NE*	14 26	
15	*L·NE*	8 43	

November

15	*eP·Z′Z*	16h41m39s	
	eS·N	50 46	
	e·E	51 20	
	L·NE	17 04	
	Δ = 70°. Kamchatka.		
17	*eSSS·N*	16 24.6	
	L·NE	46	
	Δ = 125°. Southern Chile.		
17	*(i)·Z′*	18 39 46	in the time break.
18	*eP·Z′*	10 23 33	
	L·NE	56	
	Δ = 73°. Aleutian Islands.		
18	*iP·Z′*	15 24 32	+
	Δ = 74°. Kurile Islands.		
19	*(i)P·Z′*	16 24 47	in the time break.
	Δ = 72°. *h* = 100 km. Kurile Islands.		
20	*eP·Z′Z*	12 51 45	
	i·Z	51 49	
	eS·NE	13 01 09	
	iPS·NE	01 23	
	iSKS·N	01 41	
	eSS·N	06.2	
	SSS·N	09 15	
	L·NE	16	
	M·E	22	22s, 15 μ.
	M·E	26	20s, 15 μ.
	M·N	34	16s, 15 μ.
	Δ = 72°. Unimak Island.		
25	*eP·Z*	22 48.8	
	ePS·ZE	23 01 42	
	ePPS·E	02 41	
	eSS·NE	07.3	
	L·NE	23	
	Δ = 99°. Borneo.		
26	*eP·Z*	5 23 51	
	eSKS·E	34 32	
	ePS·EZ	36 36	
	ePPS·E	37 44	
	eSS·E	42.4	
	L·NE	6 00	
	Δ = 99°. Borneo.		
26	*L·ZNE*	8 26	
26	*eP·Z′Z*	11 54 19	
	eS·ZN	57.7	
	L·E	58.8	
	Δ = 18°. Greece.		

November

27	*eP·Z′N*	3h12m16s	
	eS·ZNE	15 42	
	L·E	18.5	
	Δ = 18°. Greece.		
27	*e·Z′*	13 32 04	doubtful.
28	*iPKP·Z*	21 09 34	
	ePP·Z	12 16	
	ePKS·ZNE	13 09	
	L·NE	22 01	
	Δ = 135°. New Hebrides.		
29	*e·E*	3 14.3	
	e·N	15 29	
	(L)·NE	20.2	
29	*iP·Z*	22 33 19	3s, − 5 μ.
	ipP·ZE	34 14	*Z*: 5s, 8 μ.
	iPP·ZE	37 35	
	ipPP·ZE	38 18	*Z*: 5s, 10 μ.
	isPP·E	38 30	
	iSKS·E	43 34	12s, + 130 μ.
	i·N	43 36	
	i(SKKS)·E	43 47	12s, − 200 μ.
	i·E	44 11	
	iS·N	44 28	
	Wiechert readings.		
	Δ = 101°. *h* = 200 km. Southern Bolivia.		
30	*iP·Z′Z*	22 05 41	
	eS·N	15.2	
	L·NE	31	
	Δ = 73°. Kurile Islands.		

December

1	*iP·Z′Z*	1 11 56	
	Δ = 73°. Kurile Islands.		
1	*eP·Z′Z*	1 20 30	
	i·Z	20 32	−
	L·E	38	
	L·N	41	
	Δ = 73°. Kurile Islands.		
2	*eP·Z′*	12 53 36	
	Δ = 21°. Algeria.		
3	*iP·Z′*	0 04 57	
	Δ = 29°. *h* = 100 km. Peary Land, Greenland.		

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December

4	*eP·Z′Z*	3h47m00s	
	iP·Z	47 04	5s, + 35 μ.
	Wiechert readings:		
	ePcP·Z	48 17	
	ePP·Z	49 00	
	ePPP·E	49 45	
	iS·NE	54 45	16s. *N*: 130 μ, *E*: 200 μ.
	i·NE	54 55	
	The pens on the Wiechert instruments thrown off at about 4h10m. The following is an estimate from the Benioff-record.		
	M·Z′	4 11	7s, 3000 μ.
	Δ = 53°. Outer Mongolia.		
4	*L·NE*	9 38	
4	*L·NE*	11 45	
4	*eP·Z′*	13 29 36	
	L·E	46.5	
	L·N	47.8	
	Δ = 53°. Outer Mongolia.		
5	*eS·N*	14 10 50	
	L·N	13.5	
	Δ = 15°. Greenland Sea.		
5	*L·NE*	18 37	
6	*iP·Z′*	4 01 04	
	Kurile Islands.		
9	*eP·Z′*	22 17 26	
	Δ = 57°. Alaska.		
10	*iPP·Z*	14 56 37	
	ePPP·N	59 19	
	eSS·N	15 13.3	
	L·NE	31	
	M·E	33	35s, 20 μ.
	M·N	50	18s, 15 μ.
	Δ = 122°. Solomon Islands.		
13	*iP·Z′*	1 44 24	
	Δ = 84°. *h* = 100 km. Colombia.		
13	*iP·Z′Z*	1 51 31	6s, + 20 μ.
	i·E	52 25	
	i·E	56 32	
	i·N	56 35	
	iS·N	56 47	7s, 12 μ.
	iS·E	56 52	
	i·N	2 01 13	8s, 30 μ.
	M·E	07	18s, 100 μ.
	M·N	09	18s, 100 μ.
	Δ = 33°. Iran.		

December

13	*eP·Z*	20h37m52s	
	eS·NE	47 32	
	e·N	48 10	
	eSS·N	52.3	
	L·NE	21 05	
	Δ = 73°. Aleutian Islands.		
17	*iP·Z′*	5 21 28	+
	eS·N	30 31	
	iS·E	30 34	
	i(PS)·N	30 47	
	i(SKS)·N	31 26	
	L·NE	45	
	M·NE	6 01	14s, *N*: 30 μ, *E*: 25 μ.
	Δ = 69°. East Coast of Kamchatka.		
17	*iPKP·Z′Z*	14 09 22	
	Wiechert readings:		
	iPP·Z′ZNE	11 48	
	iPKS·NE(Z)	12 52	8s. *N*: 30 μ, *E*: 20 μ.
	i·NE	13 26	
	e·E	22 47	
	L·NE	52	
	M·N	15 02	28s, 100 μ.
	M·E	11	20s, 40 μ.
	Δ = 132°. Santa Cruz Islands.		
23	*iP·Z′*	12 41 34	
	iS·NE	47 30	
	L·N	51.6	
	L·E	52.6	
	Δ = 40°. North Atlantic Ocean.		
25	*L·NE*	2.9	
25	*L·NE*	17 02	
28	*ePKP·Z′*	12 29 08	
	i·Z′	29 18	
	iPKP2·Z′	29 36	
	Δ = 156°. Kermadec Islands.		
28	*L·NE*	15 24	
31	*iP·Z*	10 26 54	
	eS·N	31 09	
	L·NE	33.5	
	Δ = 24°. North Atlantic Ocean.		
31	*iPKP·Z*	14 48 16	+
	ePKP2·Z	49 20	
	ePP·Z	52 48	
	e·NE	53 06	
	ePPP·Z	56 41	
	L·NE	15 50	
	Δ = 160°. New Zealand.		

January 1958. HENRY JENSEN

Microseisms. København

1957 Oct.	Z 0h	Z 6h	Z 12h	Z 18h	N 0h	N 6h	N 12h	N 18h	E 0h	E 6h	E 12h	E 18h	1957 Oct.
1	2 0.2 3.6	2 0.2 2.8	2 0.2 3.3	2 0.2 3.6	2 0.3 4.0	2 0.3 3.8	2 0.4 3.4	2 0.3 3.6	2 0.5 3.9	2 0.3 3.4	2 0.4 3.6	2 0.3 3.4	1
2	2 0.3 4.0	2 0.2 3.6	2 0.4 3.9	2 0.5 4.0	2 0.4 4.0	2 0.4 3.8	2 0.5 4.0	2 0.5 4.0	2 0.5 4.2	2 0.5 3.9	2 0.4 3.8	2 0.7 3.9	2
3	1 0.5 4.0	1 0.7 4.2	1 1.1 3.5	1 1.2 3.4	1 0.7 4.0	1 0.8 4.3	1 1.2 3.6	1 1.2 3.4	1 0.8 4.0	1 1.2 4.0	1 1.5 3.2	1 1.4 3.0	3
4	2 0.8 3.1	.. ..	2 1.2 3.7	2 0.8 3.6	2 1.0 3.5	.. ..	2 1.2 4.0	2 0.9 3.9	2 1.1 3.4	.. ..	2 1.1 4.0	2 1.1 4.0	4
5	2 0.7 4.0	2 0.5 3.7	.. ..	2 0.6 3.2	2 0.8 4.0	2 0.8 3.5	.. ..	.. ..	2 1 2 4.0	2 0.7 3.5	.. ..	2 0.6 3.3	5
6	2 0.4 3.3	2 0.2 3.4	2 0.4 4.0	2 0.6 4.0	.. ..	.. ..	2 0.6 4.0	2 0.7 4.2	2 0.6 3.5	2 0.7 3.7	2 0.7 4.1	2 0.7 4.0	6
7	2 0.5 4.5	2 0.6 4.0	2 0.5 3.5	2 0.6 3.5	2 0.7 4.2	2 0.7 4.0	2 0.6 3.8	2 0.6 3.6	2 0.7 4.1	2 0.8 4.0	2 0.7 3.9	2 0.6 3.6	7
8	2 0.4 3.7	2 0.4 4.2	2 0.6 4.0	2 0.6 4.5	2 0.4 3.9	2 0.3 3.9	2 0.7 4.2	2 0.6 4.5	2 0.7 3.9	2 0.6 4.5	2 1.0 4.7	2 1.0 4.8	8
9	2 0.7 4.5	2 0.6 4.4	2 1.0 5.0	.. ..	2 0.7 4.6	2 0.8 5.0	2 1.– 5.0	1 1.0 4.3	2 0.9 4.7	2 1.0 4.6	2 1.0 5.0	1 1.0 4.3	9
10	.. ..	.. ..	1 1.0 5.2	1 0.8 5.4	1 1.0 5.0	1 1.0 5.5	1 1.1 4.8	1 1.0 4.6	1 1.0 4.7	1 1.0 4.4	1 1.1 5.5	1 1.0 4.4	10
11	1 0.8 4.6	1 0.7 4.6	1 0.6 4.6	1 0.7 4.3	1 1.1 5.3	1 1.0 4.8	1 0.8 4.6	1 0.8 4.4	1 1.0 4.7	1 1.1 4.5	1 0.8 4.6	1 1.2 4.5	11
12	1 0.7 4.4	1 0.6 4.5	1 0.6 4.4	1 0.6 4.4	1 1.0 4.7	1 1.0 4.3	1 0.1 4.8	1 0.6 4.5	1 1.0 4.7	1 0.8 4.9	1 0.8 4.4	1 0.8 4.5	12
13	1 0.7 4.4	1 0.6 4.4	1 1.0 4.5	1 1.1 4.6	1 0.8 5.0	1 0.9 4.8	1 1.0 4.7	1 1.1 5.2	1 0.9 4.3	1 1.1 4.7	1 1.1 4.6	1 1.2 5.0	13
14	1 2.0 4.7	1 2.2 4.9	1 1.5 5.0	1 1.0 4.9	1 2.0 4.5	1 2.2 5.6	1 2.0 4.9	1 1.1 4.7	1 2.0 5.0	1 2.4 5.3	1 2.0 4.7	1 1.1 4.8	14
15	1 0.7 4.7	1 0.6 4.3	1 0.8 4.4	1 0.6 4.6	1 0.8 5.0	1 0.7 4.4	1 0.7 4.7	1 0.7 4.0	1 0.9 4.7	1 0.8 4.4	1 1.0 4.6	1 0.9 4.4	15
16	3 0.6 4.4	3 0.6 4.2	3 0.4 4.1	3 0.6 4.0	3 0.6 4.5	3 0.7 4.0	3 0.4 3.8	1 0.7 4.1	3 0.8 4.3	3 0.7 4.0	3 0.6 4.1	1 0.7 4.1	16
17	3 0.4 3.6	3 0.4 3.6	2 0.4 3.0	2 0.5 3.0	1 0.8 4.0	1 0.7 3.6	2 0.4 3.1	2 0.5 3.9	1 0.7 4.1	1 0.8 3.2	2 0.6 3.2	2 0.6 3.4	17
18	2 0.4 3.6	2 0.4 3.5	2 0.6 3.0	2 0.5 3.4	2 0.3 4.3	2 0.5 4.3	2 0.6 3.6	2 0.3 3.5	2 0.6 3.6	2 0.7 3.7	2 0.7 3.5	2 0.6 3.6	18
19	2 0.4 3.7	2 0.6 3.4	2 0.7 3.3	2 0.6 3.0	2 0.4 3.4	2 0.6 3.4	2 0.7 3.9	2 0.7 3.9	2 0.4 4.0	2 0.8 3.5	2 0.8 3.4	2 0.8 3.5	19
20	2 0.7 3.2	2 0.4 3.5	2 0.4 3.3	2 0.4 3.6	1 0.5 3.6	1 0.5 4.0	1 0.5 3.4	1 0.6 3.8	1 0.6 4.2	1 0.5 3.5	2 0.5 3.8	2 0.6 3.5	20
21	2 0.5 3.7	2 0.5 3.8	2 0.6 3.5	2 0.6 3.4	2 0.7 3.7	2 0.8 3.9	2 0.6 4.4	2 0.6 3.8	2 0.7 3.2	2 0.8 3.9	2 0.8 3.8	2 0.7 3.5	21
22	2 0.5 3.9	2 0.3 3.5	2 0.2 4.3	2 0.3 3.8	2 0.6 4.0	2 0.5 4.0	2 0.6 4.0	2 0.4 3.7	2 0.6 4.1	2 0.6 3.7	2 0.6 3.4	2 0.5 3.9	22
23	2 0.2 4.3	2 0.2 4.4	1 1.0 4.3	1 0.8 4.6	2 0.2 3.7	2 0.5 4.1	1 0.8 4.9	1 0.8 4.5	2 0.5 4.1	2 0.5 4.3	1 1.0 4.6	1 1.0 4.5	23
24	1 0.9 4.3	1 1.0 4.6	1 1.5 4.8	1 2.– 5.4	1 0.8 4.6	1 0.9 4.7	1 1.8 5.3	1 2.– 4.9	1 1.2 4.0	1 1.4 4.0	1 1.8 5.2	1 2.– 5.3	24
25	1 3.– 5.5	1 1.4 5.3	1 0.8 5.2	1 0.6 4.5	1 3.– 5.8	1 2.– 5.5	1 1.0 5.5	1 0.8 4.5	1 1.6 5.2	1 1.6 4.6	1 1.4 5.4	1 1.0 4.8	25
26	1 0.5 4.5	1 0.5 4.7	2 0.6 4.1	2 0.6 4.6	1 0.6 4.6	2 0.5 4.5	2 0.5 4.7	2 0.7 4.2	1 0.8 4.5	1 0.8 4.8	2 0.6 4.7	2 0.7 4.8	26
27	2 0.8 5.0	1 0.6 5.0	1 0.8 5.2	1 2.– 5.2	2 0.6 4.7	2 0.9 4.0	2 0.9 4.6	1 2.– 5.0	2 0.8 4.9	1 1.0 5.2	1 1.6 5.1	1 1.9 5.0	27
28	1 3.– 5.8	1 3.– 7.–	1 3.– 5.8	1 2.– 6.6	1 2.– 6.0	1 4.– 7.–	1 4.– 6.5	1 4.– 6.0	1 2.8 5.7	1 3.– 5.5	1 3.– 6.3	1 4.– 5.5	28
29	1 2.– 5.5	1 1.6 5.2	.. ..	2 1.4 5.1	1 2.– 5.3	1 1.8 4.9	.. ..	1 1.5 5.6	1 2.4 5.0	1 2.0 4.9	.. ..	1 1.4 5.3	29
30	2 1.0 4.7	2 1.0 5.0	2 0.6 4.6	2 0.6 4.5	1 1.4 5.3	2 0.9 5.1	2 0.7 4.9	1 1.1 5.9	1 1.5 4.4	2 1.0 4.4	2 1.1 4.2	2 0.9 4.5	30
31	2 0.7 4.6	2 1.1 4.9	1 0.7 5.2	1 0.8 5.0	1 1.0 5.2	1 1.1 4.7	1 0.8 5.4	1 0.8 4.7	1 0.9 4.9	1 0.8 4.9	1 1.2 4.7	1 1.4 4.6	31

Microseisms. København

1957 Nov.	Z 0h	Z 6h	Z 12h	Z 18h	N 0h	N 6h	N 12h	N 18h	E 0h	E 6h	E 12h	E 18h	1957 Nov.
1	1 2.– 6.4	1 4.– 7.–	1 3.– 6.–	1 2.– 6.–	1 1.5 5.0	1 2.– 6.–	1 3.– 6.–	1 2.– 6.–	1 2.0 5.6	1 4.– 6.–	1 3.– 7.–	1 2.– 5.–	1
2	3 2.2 5.5	3 1.5 5.0	3 1.1 4.7	2 1.0 5.2	3 2.5 4.8	3 1.9 5.2	3 1.1 4.8	2 1.1 4.9	3 1.8 5.2	3 2.2 4.9	3 1.2 5.0	1 1.4 5.2	2
3	2 1.0 5.0	2 1.1 4.7	1 1.2 5.1	1 1.6 4.7	2 1.1 5.0	2 1.2 5.3	1 1.9 5.4	1 2.2 5.2	1 1.4 5.0	1 1.6 4.7	1 1.9 4.9	1 2.5 4.8	3
4	1 1.8 4.7	1 1.8 4.7	1 1.9 5.5	1 3.– 6.0	1 2.2 4.6	1 2.0 5.2	1 2.0 5.6	1 2.8 5.2	1 2.9 5.2	1 2.3 5.5	1 3.– 5.6	1 4.– 5.6	4
5	1 3.– 5.4	1 2.– 5.5	1 1.8 5.2	1 2.– 4.9	1 3.– 5.8	1 1.8 5.5	1 2.2 4.6	1 1.5 4.4	1 4.– 5.4	1 3.– 5.2	1 2.0 4.9	1 1.6 4.3	5
6	1 1.8 4.5	1 2.1 4.9	1 2.0 4.6	1 1.8 4.7	1 1.6 4.4	1 2.0 4.7	1 2.1 4.3	1 2.1 4.4	1 2.2 4.6	1 2.6 4.6	1 1.8 4.9	1 1.6 5.2	6
7	2 1.5 4.6	2 0.8 5.0	2 0.8 4.6	2 1.0 4.9	1 1.4 4.8	2 0.9 4.6	2 1.0 4.2	2 1.0 4.3	1 1.4 4.6	2 1.0 5.0	2 1.0 4.7	2 1.0 4.7	7
8	2 0.8 4.7	1 1.0 5.2	2 0.8 4.5	2 0.7 4.4	2 1.0 4.5	2 1.0 5.2	2 0.9 4.7	2 0.9 4.6	2 1.0 5.0	1 1.4 4.8	2 0.9 4.7	2 0.8 5.5	8
9	2 0.6 4.4	2 0.5 4.4	2 0.6 4.2	2 0.6 3.5	2 0.8 4.3	2 0.8 4.2	2 0.7 4.0	2 0.8 4.1	2 0.7 4.4	2 0.6 4.8	2 0.7 4.4	2 0.7 4.0	9
10	3 0.6 3.8	3 0.7 4.0	2 0.5 4.4	2 0.6 4.2	3 0.7 4.0	3 0.7 3.9	2 0.7 3.9	2 0.6 4.1	3 0.6 4.0	3 1.1 4.2	2 0.6 4.4	2 0.7 4.0	10
11	2 0.5 4.1	2 0.6 4.9	3 0.7 4.8	3 0.8 4.2	2 0.6 3.8	2 0.6 4.3	2 0.8 4.7	2 1.3 4.1	2 0.7 3.9	2 0.6 4.3	3 0.9 5.0	2 1.0 4.4	11
12	2 1.0 4.1	1 1.0 4.8	1 1.4 5.6	1 1.7 5.3	2 0.9 4.5	1 1.2 4.9	1 1.4 5.0	1 2.1 5.0	2 1.0 4.7	1 1.2 5.2	1 3.0 5.3	1 2.9 4.9	12
13	1 3.0 5.7	1 3.0 5.2	1 1.4 5.6	.. ..	1 2.7 5.2	1 2.9 4.9	1 1.6 5.2	.. ..	1 3.5 5.1	1 3.5 5.2	1 2.1 5.3	.. ..	13
14	1 0.7 4.9	2 0.5 4.9	2 0.5 4.8	2 0.5 4.1	1 1.0 4.9	2 0.6 4.8	2 0.5 4.5	2 0.4 4.7	2 0.8 5.0	1 1.0 5.5	2 0.6 4.6	2 0.6 4.2	14
15	2 0.4 4.7	2 0.4 4.7	2 0.9 4.7	1 1.0 5.0	2 0.5 4.3	2 0.5 4.5	2 0.6 4.7	1 1.4 5.0	2 0.6 4.7	2 0.6 4.5	1 0.8 4.6	1 1.1 5.3	15
16	1 0.9 5.4	1 1.0 5.4	1 1.1 5.4	1 1.0 5.0	1 1.5 5.6	1 1.5 5.3	1 1.4 5.2	1 1.3 5.0	1 2.0 5.1	1 2.4 5.0	1 2.2 5.2	1 1.9 5.0	16
17	1 1.0 4.8	2 0.8 4.8	2 0.4 4.7	2 0.4 4.3	1 1.0 4.6	2 0.6 4.5	2 0.4 4.4	2 0.4 4.6	1 1.2 4.7	2 0.8 4.7	2 0.7 4.3	2 0.4 4.4	17
18	2 0.5 4.6	3 0.5 4.4	3 0.8 5.3	.. ..	2 0.5 4.7	3 0.7 5.0	2 0.8 4.9	2 0.7 4.9	2 0.5 4.8	3 0.6 5.3	3 0.5 5.5	2 1.0 5.0	18
19	.. ..	.. ..	3 0.5 4.8	3 0.6 5.–	2 0.6 4.7	2 0.6 5.3	2 0.8 5.2	3 0.7 4.7	2 0.9 4.6	2 1.0 4.8	3 0.9 4.7	3 0.9 5.–	19
20	3 0.7 5.–	3 0.8 5.0	3 0.8 5.–	.. ..	3 0.9 5.–	3 0.9 5.–	3 1.0 5.0	3 0.9 5.–	3 0.9 5.–	3 0.9 5.–	3 1.0 5.–	3 1.0 5.–	20
21	.. ..	.. ..	2 0.7 4.5	2 0.9 5.0	3 0.6 4.9	3 0.9 4.0	2 0.9 4.3	2 1.0 4.5	3 0.7 4.7	2 0.9 5.2	2 0.9 4.8	2 1.0 4.5	21
22	2 0.9 4.2	1 1.0 4.5	1 1.8 4.6	1 1.5 4.5	1 1.0 4.5	1 1.2 4.7	1 1.9 4.7	1 1.5 4.5	1 1.1 4.4	1 1.4 4.8	1 2.4 4.8	1 1.7 5.2	22
23	1 1.9 4.9	3 0.9 4.1	3 1.0 4.0	1 0.9 4.6	1 1.9 4.9	3 1.1 4.0	3 0.8 4.2	3 1.4 4.–	1 1.5 4.8	3 0.8 3.9	3 0.7 4.1	3 0.9 4.3	23
24	1 1.0 4.8	1 1.2 5.1	1 1.0 5.2	1 1.0 5.0	1 1.1 5.3	1 1.2 5.3	1 1.3 5.1	1 1.2 5.0	1 1.1 5.0	1 1.5 4.7	1 1.5 4.8	1 1.3 4.9	24
25	2 1.1 4.3	2 1.1 4.7	1 0.8 5.0	1 0.9 4.6	1 1.1 5.3	1 1.1 4.5	1 1.2 4.6	1 1.0 5.2	1 1.3 4.7	1 1.1 4.6	2 1.0 5.2	2 1.0 4.8	25
26	.. ..	.. ..	.. ..	2 0.9 4.8	.. ..	.. ..	.. ..	2 1.0 4.6	.. ..	.. ..	.. ..	1 1.1 4.5	26
27	2 1.1 5.0	2 1.0 4.4	2 0.8 5.0	2 0.6 4.6	2 0.9 4.6	2 1.1 4.3	2 1.0 4.2	2 1.1 4.1	1 1.5 4.8	1 1.4 4.7	1 1.1 4.4	2 1.0 4.4	27
28	2 0.7 4.5	2 0.6 4.0	2 0.6 4.2	2 0.6 4.5	2 0.7 4.4	2 0.6 4.4	2 0.7 3.9	2 0.8 4.0	2 1.0 4.0	2 0.9 4.2	2 1.0 4.2	2 0.8 4.0	28
29	1 1.0 3.8	2 0.7 3.9	2 0.7 4.1	1 0.8 4.4	2 1.0 3.6	2 0.7 3.4	2 0.8 4.2	1 0.8 4.4	2 0.7 3.5	2 0.8 4.1	2 0.7 5.0	2 0.9 4.3	29
30	.. ..	2 0.6 4.4	2 0.8 4.5	2 0.6 4.8	.. ..	2 0.8 4.6	2 0.6 4.7	2 0.6 4.8	.. ..	2 0.7 4.3	2 0.6 4.6	2 0.6 4.5	30

International Seismological Centre

Microseisms. København

1957	Z				N				E				1957
Dec.	0h	6h	12h	18h	0h	6h	12h	18h	0h	6h	12h	18h	Dec.
1	2 0.5 4.5	3 0.5 4.–	2 0.4 4.4	2 0.4 4.6	2 0.6 4.3	3 0.5 4.–	3 0.5 4.5	3 0.5 4.8	2 0.5 4.4	3 0.6 4.–	3 0.6 4.–	3 0.7 4.–	1
2	2 0.4 4.8	2 0.4 4.7	1 1.1 4.8	1 1.2 4.8	2 0.5 4.9	2 0.7 4.8	1 1.1 4.7	1 1.4 4.7	2 0.6 4.8	2 0.8 4.5	1 1.2 4.9	1 1.5 4.8	2
3	1 0.9 4.6	1 0.8 4.7	1 0.9 4.9	1 1.0 5.0	1 1.4 4.6	1 0.9 4.6	.. ..	.. ..	1 1.2 4.7	1 0.9 4.5	1 1.0 4.9	1 1.2 4.7	3
4	1 0.7 5.0	.. ..	.. ..	2 1.3 4.5	.. ..	.. ..	.. ..	1 1.5 5.0	2 0.9 5.1	.. ..	.. ..	1 1.4 5.4	4
5	1 2.6 5.0	1 2.0 4.7	1 1.9 5.7	1 1.4 4.9	1 2.2 5.2	1 2.0 5.2	1 1.5 5.2	1 1.5 5.5	1 2.3 4.8	1 3.– 5.6	1 2.0 4.9	1 1.3 5.0	5
6	1 1.1 5.0	1 2.0 5.4	1 2.0 5.4	1 1.6 4.8	1 1.2 5.0	1 2.5 5.3	1 2.6 5.0	1 2.0 4.8	1 1.7 5.3	1 1.9 5.5	1 1.8 4.9	1 2.0 4.5	6
7	1 1.1 4.3	1 1.7 4.7	1 1.7 4.6	1 1.2 4.7	1 1.6 4.4	2 1.4 4.4	2 1.5 4.8	2 1.3 4.5	1 1.5 1.4	1 1.9 4.7	1 1.2 4.6	1 1.2 4.9	7
8	3 0.8 5.–	3 2.– 5.–	3 4.– 6.–	3 4.– 5.–	2 1.2 4.8	3 2.2 5.–	3 3.– 6.–	3 5.– 4.5	3 1.3 4.4	3 2.2 4.6	3 3.– 6.–	3 5.– 4.8	8
9	3 4.– 5.–	3 2.6 4.0	3 1.4 4.0	3 1.0 4.3	3 3.– 5.0	3 2.0 4.4	3 1.4 4.4	3 1.2 4.2	3 4.0 4.6	3 1.8 4.4	3 1.4 4.7	3 1.2 4.8	9
10	3 1.1 4.4	3 1.2 4.2	.. ..	3 0.7 4.5	3 0.9 4.4	3 1.0 4.7	.. ..	3 1.0 4.4	3 1.1 4.7	3 1.6 4.5	.. ..	3 1.4 4.2	10
11	3 1.1 4.5	3 1.3 4.3	3 1.8 4.4	.. ..	3 1.4 4.2	3 1.5 4.8	3 1.7 4.5	3 2.7 4.2	3 1.6 4.7	3 1.8 4.9	3 2.0 4.4	3 3.4 4.0	11
12	.. ..	.. ..	3 1.4 4.6	3 1.3 4.8	3 2.0 4.3	3 1.7 4.7	3 1.7 4.3	3 1.4 5.0	3 2.5 4.4	3 2.0 4.3	3 1.8 4.7	3 1.2 4.8	12
13	3 1.0 4.3	3 0.6 4.2	3 0.6 3.9	3 0.5 3.5	3 0.9 4.4	3 0.6 4.0	3 0.6 3.7	3 0.6 3.6	3 1.1 4.6	3 0.8 4.–	3 0.8 3.6	3 0.6 3.7	13
14	3 0.6 3.5	3 0.6 3.6	3 0.7 3.5	3 0.6 3.5	3 0.7 3.4	3 0.6 3.4	3 0.6 3.5	3 0.6 3.5	3 0.6 3.5	3 0.7 3.2	3 0.7 3.2	3 0.7 3.6	14
15	1 0.8 4.2	.. ..	1 1.2 5.4	1 1.0 5.3	3 0.7 3.9	1 1.0 4.9	1 1.1 5.0	2 1.0 5.1	3 0.8 4.1	1 1.2 5.1	1 0.9 5.2	2 0.9 4.7	15
16	3 2.0 5.2	3 3.0 5.4	3 2.8 7.–	3 2.8 6.0	3 2.3 5.6	3 3.3 5.6	3 3.0 6.5	3 3.0 6.0	3 1.7 5.3	3 2.4 5.8	3 2.5 6.5	3 5.8 5.3	16
17	3 2.3 5.7	.. ..	3 2.3 5.9	3 2.3 6.2	3 2.5 5.8	.. ..	3 3.0 6.0	3 2.5 6.4	3 2.7 5.7	.. ..	3 2.5 5.4	3 2.2 5.4	17
18	2 1.8 5.4	.. ..	2 0.9 4.9	2 1.0 4.8	3 2.1 5.7	2 1.5 5.2	2 1.0 4.8	2 1.4 5.1	2 1.6 5.4	2 1.5 4.8	2 1.0 4.6	2 1.0 4.8	18
19	2 1.1 5.2	2 1.0 4.7	.. ..	.. ..	2 1.2 5.1	2 1.0 4.8	3 1.2 5.2	3 1.0 4.6	2 1.4 5.1	2 1.1 4.9	2 1.1 4.6	3 1.1 4.9	19
20	.. ..	.. ..	.. ..	.. ..	3 1.5 4.9	3 1.8 4.8	3 2.3 5.4	3 2.8 5.5	3 1.5 4.9	3 1.7 4.7	3 2.5 5.2	3 2.5 5.5	20
21	.. ..	.. ..	.. ..	.. ..	3 2.6 5.5	3 2.5 5.1	3 2.4 5.1	3 2.3 5.2	3 3.2 4.8	3 2.7 5.0	3 2.5 5.1	.. ..	21
22	.. ..	.. ..	.. ..	.. ..	3 1.8 5.4	3 1.9 4.9	3 1.6 4.8	3 1.4 4.6	.. ..	.. ..	3 1.5 4.7	3 1.5 4.9	22
23	.. ..	.. ..	.. ..	.. ..	1 1.9 5.0	1 2.1 5.2	1 1.8 4.8	1 1.5 5.0	1 2.0 5.0	1 2.2 5.2	1 2.0 4.9	1 1.8 4.9	23
24	.. ..	.. ..	.. ..	.. ..	1 1.7 4.7	2 1.2 4.6	2 0.9 4.6	3 0.6 5.0	1 1.7 4.6	3 1.4 4.7	3 0.7 4.8	3 0.6 4.5	24
25	.. ..	.. ..	.. ..	.. ..	3 0.6 4.6	3 0.5 5.0	3 0.6 5.1	3 1.4 4.7	3 0.5 4.5	3 0.7 4.6	3 0.9 4.8	3 1.7 5.4	25
26	.. ..	.. ..	.. ..	.. ..	3 2.0 5.2	3 2.0 5.5	3 2.2 5.7	3 1.8 5.2	3 1.5 5.5	3 2.2 5.3	3 1.8 4.6	3 1.7 5.4	26
27	.. ..	.. ..	.. ..	.. ..	3 1.6 5.0	3 1.5 4.8	3 1.3 4.9	3 1.5 4.7	3 2.0 5.5	3 1.7 5.2	3 1.5 4.8	1 1.5 4.9	27
28	.. ..	.. ..	.. ..	.. ..	1 1.6 4.9	1 1.7 5.0	1 1.5 5.1	1 1.9 5.6	1 1.8 5.4	1 2.3 5.2	1 2.0 5.0	1 2.0 5.6	28
29	.. ..	.. ..	.. ..	.. ..	1 2.5 5.6	1 2.5 5.8	1 2.7 5.6	1 1.8 5.2	1 2.2 5.2	1 2.0 5.4	1 1.7 5.0	3 1.5 4.8	29
30	.. ..	.. ..	.. ..	.. ..	3 1.6 4.4	3 1.7 4.5	3 1.4 4.6	3 1.0 4.3	3 1.7 4.6	3 1.4 4.4	3 1.5 5.0	3 1.1 5.2	30
31	.. ..	.. ..	3 0.6 4.6	3 0.6 4.5	3 1.0 4.8	3 0.9 4.4	3 0.7 4.5	3 0.8 4.2	3 1.0 5.2	3 0.7 4.6	3 0.7 4.4	3 0.7 4.4	31

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