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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, $\mu^2 = 0$, $\frac{Ak}{\pi l} = 260$ 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, $\nu = 4{:}1$, $\varrho = 0.3$ 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.

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January

2	*iP·Z'Z*	$2^h12^m55^s$	
	iPP·Z	13 14	
	iS·E	16 39	
	iSS·E	17 06	
	L·N	18.8	
	Δ = 21°.	Greece.	
2	*L·NE*	21 56	
3	*iP·Z'*	2 07 46	
	Δ = 84°.	Japan.	
3	*eS·NE*	6 39 20	
	L·NE	48	
	Δ = 45°.	North Atlantic Ocean.	
3	*eS·NE*	7 17 05	
	e(ScS)·N	20.4	
	L·NE	24	
	Δ = 45°.	North Atlantic Ocean.	
3	*eP·Z'*	18 00 12	uncertain.
	eSKS·N	10.6	
	e·E	10 43	
	eS·NE	11 03	
	L·NE	34	
	Δ = 89°.	Mascarene Islands region.	
3	*L·NE*	22 32	
4	*iS·N*	6 54 37	
	L·NE	7 00	
	Δ = 44°.	North Atlantic Ocean.	
5	*eP·Z*	11 40 15	masked by microseisms.
	iS·NE	48 10	
	eSS·NE	51.6	
	L·NE	59	
	M·NE	12 00	15^s. *N*: 30 μ, *E*: 30 μ.
	Δ = 56°.	Siberia.	
13	*iP·Z'*	0 13 36	+
	eS·E	22 47	
	e·E	23.5	
	Δ = 72°.	*h* = 100 km.	Aleutian Islands.
13	*ePKP·Z'*	3 13 45	
	ePKS·E	17 14	
	L·NE	58	
	Δ = 131°.	*h* = 100 km.	Santa Cruz Islands.
13	*iP·Z'Z*	20 26 13	*Z'*: +, *Z*: –.
	L·NE	52	
	Δ = 76°.	Andaman Islands.	

January

14	*iPKP1·Z'*	$7^h39^m45^s$	
	iPKP2·Z'	39 56	
	Δ = 152°.	*h* = 350 km.	
14	*(i)P·Z'*	12 59 43	in the time-break.
15	*iP·Z'*	4 22 04	
	Δ = 70°.	Siberia.	
15	*eP·Z'Z*	19 28 14	
	ipP·Z	28 33	+
	iPP·ZE	32 18	
	iSKS·E	38 50	
	i·N	38 57	
	iS·E	39 25	
	e·N	39 29	
	isS·N	40 25	
	e·E	40 37	
	iPS·E	41 16	
	L·NE	20 02.5	
	M·ZNE	07	30^s. *Z*: 100 μ, *N*: 50 μ, *E*: 100 μ.
	Δ = 100°.	*h* = 100 km.	Peru.
15	*L·NE*	23 20	
16	*eP·Z'*	4 22 32	
	L·NE	28.1	
	Δ = 20°.	Turkey.	
19	*iP·Z*	14 20 33	–
	iPP·Z	24 05	–
	eSKS·E	31 04	
	iS·N	31 29	
	e·E	31 57	short period.
	L·NE	49	
	Wiechert readings only.		
	Δ = 91°.	Ecuador.	
19	*eP·Z*	14 56 30	
	Wiechert reading.		
	Δ = 91°.	Ecuador.	
22	*L·NE*	19 11	
23	*iP·Z'*	2 45 26	
	Δ = 73°.	*h* = 150 km.	Kurile Islands.
23	*iP·Z'*	13 37 26	
	eS·E	39 12	per: 2 sec.
	i·Z'N	39 14	
	L·NE	40.1	
	M·E	40.9	5^s. 22 μ.
	M·ZN	41.8	15^s. *Z*: 15 μ, *N*: 15 μ.
	Δ = 10°.	Off coast of Norway.	

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January

24	*L·NE*	5^h01^m	
24	*eP·Z'Z*	6 04 48	
	i·Z	04 50	
	ePP·Z	07 12	
	eS·N	13 25	
	ePS·NE	13 40	
	eSS·NE	18.1	
	L·NE	25	
	Δ = 65°. Kamchatka.		
24	*L·NE*	18 49	
24	*iP·Z'*	23 27 59	
	Δ = 64°. Alaska.		
27	*L·ZNE*	8 56	
28	*e·Z'*	12 59 53	
28	*iP·Z'*	17 22 12	+
	Δ = 37°. Iran.		
30	*e·Z'*	2 27 53	
30	*ePP·Z*	6 34 09	
	eSKS·NE	39 37	
	eSKKS·NE	41 10	
	ePS·NE	44 25	
	e(PPS)·NE	46 02	
	eSS·N	51 00	
	L·NE	7 11	
	Δ = 124°. Solomon Islands.		

February

1	*eP·Z'Z*	16 23 15	
	ePP·Z	26 45	
	e(SKS)·E	33 20	
	e(S)·E	34 04	
	i·N	34 10	
	eSS·N	40 05	
	Masked by microseisms.		
	Δ = 90°. Ecuador.		
5	*L·NE*	8 47	
7	*L·NE*	5 20	
7	*iP·Z'Z*	23 34 18	
	eS·NE	43 02	
	L·NE	58	
	Δ = 66°. Szechwan Province, China.		
9	*L·NE*	23 15	

February

12	*eP·Z'*	$23^h42^m58^s$	
	i·Z'	43 00	
	Δ = 74°. Japan.		
12	*iP·Z*	23 55 17	
	ePP·N	58.3	
	eS·N	24 04 46	
	e·N	05 32	
	eSS·N	09.7	
	L·NE	19	
	Δ = 73°. Aleutian Islands.		
15	*iP·Z'Z*	1 58 17	+
	L·NE	2 26	
	Δ = 73°. Kurile Islands.		
16	*iP·Z'*	6 15 58	+
	eS·NE	25.9	
	L·NE	43	
	Δ = 76°. Japan.		
16	*L·ZN*	23 14	
17	*iP·Z'Z*	5 26 25	*Z'*: –, *Z*: 5^s, + 5 μ.
	epP·Z'	27 13	
	esP·Z'	27 30	
	ePP·Z	28 13	
	epPP·Z	28 52	
	iPPP·ZE	29 04	*Z*: 8^s, 10 μ.
	iS·N	32 38	10^s. 20 μ.
	isS·NE	33 54	14^s. *N*: 12 μ, *E*: 10 μ.
	iSS·NE	36 03	10^s. *N*: 15 μ, *E*: 25 μ.
	Δ = 43°. *h* = 200 km. Hindu Kush.		
18	*L·NE*	20 32	
19	*iP·Z'*	10 41 12	
	i(pP)·Z'	41 16	
	L·NE	58	
	Δ = 44°. Kirghiz SSR.		
19	*L·NE*	20 16	
20	*L·NE*	4 42	
20	*L·NE*	5 24	
22	*iP·Z'Z*	11 02 04	*Z*: 3^s, – 5 μ.
	iS·NE	11 38	8^s. *N*: + 12 μ, *E*: + 10 μ.
	L·NE	26	
	M·ZNE	29	30^s. *Z*: 25 μ, *N*: 30 μ, *E*: 25 μ.
	Δ = 74°. Aleutian Islands.		

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February			
23	*L·ZNE*	$9^h27.5^m$	
	M·ZN	29.7	10^s. *Z*: 3 μ, *N*: 3 μ.
	F·ZNE	31	
23	*L·NE*	10 51	
23	*i·Z′*	11 00 41	
24	*eP·Z′Z*	12 36 26	
	i·Z′	36 30	
	eS·E	44 02	
	e·ZN	44 04	
	L·NE	53	
	M·NE	56	15^s. *N*: 20 μ, *E*: 8 μ.
	Δ = 54°. Outer Mongolia.		
25	*L·NE*	2 40	
26	*L·NE*	12 23	
26	*L·N*	17 29	
26	*L·NE*	17 59	
27	*L·N*	4 20	
27	*L·ZNE*	8 13	
	M·ZNE	17	10^s. *Z*: 5 μ, *N*: 4 μ, *E*: 3 μ.
	F·ZNE	19	
27	*L·NE*	10 39	
27	*eP·Z′Z*	23 40 20	
	eS·N	50 35	
	e·E	50 47	
	e·E	51.6	
	eSS·N	55 43	
	L·NE	24 08	
	M·NE	13	18^s. *N*: 30 μ, *E*: 15 μ.
	M·NE	20	15^s. *N*: 12 μ, *E*: 25 μ.
	Δ = 82°. Batan Islands region.		
28	*eS·NE*	10 11 06	*E*: 13^s, 3 μ.
	L·NE	17	
	Δ = 50°. Mid Atlantic Ocean.		
March			
1	*iP·Z′Z*	9 34 37	*Z*: 7^s, − 6 μ. *Z′*: −.
	L·NE	9.9	
	Δ = 41°. Southern Iran.		
3	*eP·Z′*	7 35 28	
	ePPP·N	39.6	
	L·NE	8 06	
	Δ = 81°. Formosa.		
3	*iP·Z′Z*	$16^h29^m14^s$	+
	eS·NE	38 09	
	eScS·N	39 12	
	eSS·N	42.6	
	L·E	48	
	L·N	52	
	Δ = 67°. Kommandorskie Islands.		
4	*iP·Z′*	11 37 03	
	Δ = 23°. Dodecanese Islands.		
9	*L·NE*	11 41	
11	*iP·Z′*	0 38 08	−
	iP·Z	38 09	+
	i·NE	38 28	
	i·NE	42 16	
	iS·NE	48 21	Wiechert.
	i(ScS)·N	48 40	Wiechert.
	iPS·NE	50 11	Wiechert.
	L·NE	1 02	
	M·NE	11	20^s. *N*: 120 μ, *E*: 80 μ.
	Δ = 81°. Ryukyu Islands.		
11	*ePP·Z*	14 21 18	
	ePKS·Z	21 54	
	e·ZE	22 11	
	L·NE	14.1	
	Δ = 133°. New Hebrides Islands.		
13	*(L)·ZNE*	7 28.6	
14	*L·NE*	0 35	
15	*L·NE*	1 04	
15	*eS·N*	6 34 06	
	L·NE	35.8	
	Δ = 17°. Albania.		
18	*iP·Z′Z*	22 31 43	
	iS·E	41 22	
	Δ = 75°. Aleutian Islands.		
19	*eL·E*	16 08 33	
	eL·Z	09 18	
	Δ = 9°. Austria-Yugoslavia border.		
20	*iP·Z′Z*	1 49 43	−
	iS·NE	59 20	10^s. *N*: + 8 μ, *E*: + 10 μ.
	eScS·E	59 56	
	eSS·N	2 04 16	
	L·NE	14	
	M·NE	17	25^s. *N*: 10 μ, *E*: 10 μ.
	Δ = 75°. Aleutian Islands.		
21	*L·NE*	9 06	

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March

22	*iP·Z'*	$10^h22^m17^s$	–
	eS·NE	31 03	
	e·NE	31 36	
	eSS·N	35.2	
	e·NE	38 54	
	L·NE	43	
	Δ = 66°.	Burma-Pakistan border.	
22	*eP·Z'Z*	11 15 46	
	eS·NE	22 09	
	eSS·E	25 32	
	L·NE	31	
	Δ = 43°.	Afghanistan.	
23	*L·NE*	10 57	
28	*iP·Z'*	4 17 19	
	(i)pP·Z'	18 08	in the time-break.
	ePP·Z'	18 56	
	ipPP·Z'	19 28	
	eS·E	23 15	
	eSS·NE	27 05	
	Δ = 43°.	*h* = 200 km.	Hindu Kush.

March

28	*iP·Z'Z*	$12^h14^m11^s$	*Z'*: +. *Z*: 4^s, + 12 *μ*.
	ipP·ZE	14 53	
	isP·ZE	15 12	*Z*: 4^s, – 5 *μ*.
	ePP·Z	15 55	
	e·N	17 50	
	e·N	19 44	
	eS·N	20 28	
	esS·N	21 40	
	iSS·N	23 35	
	e·NE	23 47	
	Δ = 43°.	*h* = 200 km.	Hindu Kush.

May 1958. HENRY JENSEN

Microseisms. København

1958	*Z*				*N*				*E*				1958	E
Jan.	0h	6h	12h	18h	0h	6h	12h	18h	0h	6h	12h	18h	Jan.	
1	3 0.6 4.6	3 0.6 3.5	3 0.6 4.2	3 0.6 3.8	3 0.5 4.8	3 0.6 3.6	3 0.6 4.0	3 0.6 3.7	3 0.5 4.3	3 0.7 4.0	3 0.6 4.3	3 0.5 4.4	1	313
2	3 0.6 4.2	.. ..	3 0.4 4.7	3 0.4 4.4	3 0.6 4.2	3 0.6 4.2	3 0.5 4.6	3 0.5 4.7	3 0.6 4.2	3 0.6 4.0	3 0.5 4.2	3 0.4 4.3	2	308
3	3 0.4 4.4	.. ..	3 0.4 4.3	2 0.5 4.2	3 0.4 4.6	3 0.4 4.7	3 0.4 4.0	2 0.5 4.1	3 0.4 4.5	3 0.5 4.3	3 0.4 4.3	2 0.5 3.9	3	298
4	2 0.6 4.2	2 0.7 4.4	2 1.0 4.2	2 0.9 4.5	2 0.6 4.0	2 0.7 4.1	2 1.0 4.6	2 1.2 4.5	2 0.6 3.9	2 0.7 4.1	2 1.1 4.4	2 1.1 4.3	4	282
5	3 1.1 4.0	3 0.8 3.9	.. ..	3 1.8 4.2	3 1.4 3.9	3 1.0 3.6	.. ..	3 1.6 4.3	3 1.3 4.3	3 1.3 3.9	.. ..	3 1.6 4.5	5	256
6	3 1.7 4.5	3 2.5 4.2	3 2.4 4.1	3 2.4 3.9	3 2.4 4.1	3 2.3 3.8	3 1.8 3.8	3 1.8 4.1	3 2.5 4.2	3 2.4 4.0	3 2.4 4.0	3 1.7 4.5	6	377
7	3 2.5 4.3	1 3.0 4.8	3 1.9 4.0	3 1.3 4.3	3 2.3 4.0	1 4.– 4.7	3 1.5 4.6	3 1.2 4.4	3 2.2 3.8	1 4.– 4.8	3 2.4 4.1	3 1.7 4.3	7	373
8	3 1.3 4.1	3 1.0 4.3	3 0.8 3.9	3 0.6 3.9	3 1.0 4.8	3 1.0 4.8	3 0.7 4.4	3 0.5 4.3	3 1.1 4.3	3 1.0 4.5	3 0.7 3.9	3 0.6 3.9	8	320
9	3 0.7 4.2	3 0.6 3.7	1 5.– 4.8	1 6.– 4.6	3 0.6 3.6	3 0.8 3.8	1 7.– 4.8	1 8.– 5.–	3 0.7 3.8	3 0.7 3.6	1 5.– 5.0	1 6.– 5.2	9	380
10	1 3.0 4.7	1 2.4 4.2	2 1.3 4.2	2 1.4 4.2	1 4.3 4.9	1 1.8 4.6	2 1.5 3.8	3 1.5 4.0	1 3.7 5.0	1 2.7 4.2	3 2.0 4.1	3 1.9 4.2	10	358
11	2 2.6 4.0	2 3.0 4.2	2 3.2 4.0	1 3.5 4.0	2 2.1 4.3	2 2.5 4.5	1 3.0 4.4	1 2.6 4.7	2 3.1 4.2	2 3.3 4.7	1 3.0 4.5	1 2.8 4.5	11	361
12	1 3.6 4.2	1 2.1 3.9	1 1.8 4.0	3 1.3 3.7	1 3.0 4.3	1 2.7 4.0	3 1.8 3.8	3 1.3 4.5	1 2.5 4.7	1 2.4 4.2	3 1.8 3.9	3 1.2 4.3	12	330
13	3 0.8 4.3	3 0.8 4.7	2 0.7 4.1	2 0.6 5.3	3 0.9 4.5	3 1.0 4.7	2 0.7 4.5	2 0.7 4.5	3 1.2 4.2	3 1.2 3.5	2 0.7 5.0	2 0.9 4.5	13	312
14	2 0.6 4.5	1 1.2 4.8	1 1.6 5.8	1 1.6 5.0	2 0.9 4.2	2 1.2 5.0	1 1.7 5.1	1 1.8 5.0	2 0.8 4.5	1 1.1 5.2	1 1.5 5.3	1 1.6 5.2	14	302
15	1 1.4 4.8	1 1.8 5.3	1 1.0 5.2	1 1.2 5.0	1 1.6 5.0	1 1.4 4.8	1 1.5 5.2	1 1.5 5.0	1 1.7 5.2	1 1.8 4.3	1 1.5 5.7	1 1.2 5.2	15	306
16	.. ..	1 1.6 5.3	1 1.8 5.7	1 3.0 5.8	.. ..	1 2.0 4.7	1 2.3 5.6	1 3.5 6.2	.. ..	1 1.7 5.3	1 2.5 5.3	1 3.7 5.9	16	271
17	1 3.6 6.3	1 3.6 5.5	1 5.– 6.0	1 5.– 5.9	1 3.6 5.7	1 3.3 6.2	1 5.– 5.6	1 5.– 5.9	1 3.7 5.9	1 4.0 6.0	1 3.8 5.8	1 5.– 6.0	17	442
18	1 6.– 6.0	1 5.– 5.7	3 4.5 5.6	3 4.– 5.4	1 6.– 6.2	1 6.– 6.2	3 4.– 6.0	3 4.– 5.3	1 6.– 6.2	1 7.– 5.7	3 4.– 5.8	3 4.– 5.3	18	520
19	3 3.5 5.0	3 2.9 5.1	3 3.0 4.5	3 2.5 5.0	3 3.5 5.2	3 3.0 5.1	3 2.7 4.9	3 2.5 4.6	3 3.5 5.4	3 3.0 5.1	3 2.5 4.6	3 2.5 5.0	19	436
20	3 2.8 5.1	3 2.4 5.7	3 2.6 6.3	3 2.0 5.8	3 2.8 5.2	3 2.8 5.3	3 2.5 6.2	3 2.0 5.7	3 2.5 4.9	3 2.4 5.0	3 2.1 5.5	3 1.7 5.7	20	418
21	3 2.0 6.2	3 1.7 5.6	3 1.2 6.1	3 1.2 5.3	3 2.0 5.2	3 1.6 5.8	3 1.6 5.0	3 1.6 4.8	3 2.1 6.1	3 1.7 5.2	3 5.1 5.2	3 1.3 4.5	21	432
22	3 1.3 4.2	3 0.8 5.0	3 1.0 4.3	3 1.0 3.5	3 1.5 4.4	3 1.3 4.6	3 1.5 4.2	3 1.5 4.2	3 1.5 4.2	3 1.3 4.5	3 1.3 4.5	3 1.3 4.1	22	347
23	3 1.2 3.7	3 1.0 3.7	2 0.9 3.9	2 0.8 4.5	3 1.3 4.3	3 1.2 3.9	3 1.0 4.7	2 1.0 4.3	3 1.3 4.0	3 1.3 3.3	2 0.9 4.5	2 1.0 4.2	23	305
24	2 0.7 4.3	2 0.7 4.6	2 0.7 4.0	2 0.7 4.0	2 0.8 4.5	2 0.8 4.2	2 0.9 4.1	2 1.0 4.1	2 1.0 4.2	2 0.9 4.0	2 1.0 4.2	2 0.8 4.3	24	284
25	2 0.7 4.6	2 0.8 4.5	2 0.8 4.1	1 1.1 4.8	2 1.0 4.2	2 1.2 4.2	2 1.0 4.5	1 1.2 5.0	2 1.3 4.1	2 1.2 4.3	2 0.9 4.8	1 1.4 5.0	25	300
26	1 1.4 5.1	1 1.8 4.2	1 1.9 4.2	3 1.5 4.1	1 1.7 4.9	1 1.8 4.9	1 1.5 4.3	3 1.8 4.2	1 1.8 4.9	1 1.4 4.7	1 1.9 4.7	3 1.5 4.3	26	312
27	2 1.1 4.3	2 1.4 3.7	3 1.1 4.5	3 1.0 5.1	3 1.3 4.2	2 1.5 4.0	3 1.3 4.6	3 1.4 4.7	3 1.4 4.1	2 1.3 4.5	3 1.5 5.0	3 1.5 4.7	27	350
28	3 1.2 4.5	3 1.2 5.0	3 1.2 4.3	3 1.2 4.1	3 1.4 5.0	3 1.2 4.5	3 1.2 4.7	3 1.1 4.7	3 1.5 4.8	3 1.5 4.6	3 1.2 4.6	3 1.4 4.2	28	358
29	3 1.2 4.2	3 0.8 4.3	2 0.8 4.5	2 0.7 4.2	3 1.0 4.5	3 1.0 4.8	2 0.8 4.6	2 0.8 4.5	3 1.0 4.5	3 1.1 4.8	2 0.9 4.7	2 0.9 4.5	29	324
30	2 0.7 4.7	2 0.6 4.9	2 0.5 4.8	2 0.5 4.7	2 0.7 5.0	2 0.7 4.7	2 0.6 4.5	2 0.6 4.4	2 0.9 4.7	2 0.6 4.5	2 0.7 4.5	2 0.7 4.5	30	291
31	2 0.6 4.5	2 0.6 4.8	2 0.8 5.0	3 1.1 5.1	2 0.7 4.3	2 0.8 4.6	2 1.0 4.5	2 1.2 5.2	2 0.8 4.7	2 0.9 4.6	2 1.0 5.3	1 1.3 5.0	31	306

Microseisms. København

1958	*Z*				*N*				*E*				1958	
Feb.	0h	6h	12h	18h	0h	6h	12h	18h	0h	6h	12h	18h	Feb.	
1	1 1.9 5.6	1 2.2 5.5	1 2.4 5.3	.. ..	1 2.0 5.5	1 2.7 5.7	1 3.3 5.5	.. ..	1 2.0 5.5	1 2.0 5.0	1 2.8 6.2	.. ..	1	262
2	1 3.0 5.5	1 3.7 5.3	1 3.8 6.0	1 5.– 5.5	1 3.5 5.2	1 5.– 5.5	1 7.– 6.5	1 8.– 5.7	1 4.– 5.3	1 4.5 5.5	1 6.– 5.7	1 7.– 5.5	2	475
3	1 6.– 5.7	1 5.– 5.5	1 3.5 5.2	3 2.5 4.6	1 7.– 5.7	1 6.– 5.5	1 4.– 5.6	1 2.6 5.4	1 6.– 6.2	1 5.5 6.0	1 4.– 5.8	1 2.5 5.4	3	454
4	3 2.2 5.1	3 1.4 4.6	.. ..	3 0.9 4.5	1 2.0 4.8	1 1.3 4.8	.. ..	2 1.0 5.0	1 2.4 5.0	2 1.5 4.7	.. ..	1 1.0 4.5	4	228
5	1 0.8 4.3	1 1.2 3.7	1 2.0 3.4	1 3.0 4.0	2 0.8 4.4	2 1.2 3.7	1 1.8 4.1	1 2.8 4.0	2 0.9 3.9	1 1.3 3.9	1 2.2 3.7	1 2.4 4.0	5	273
6	3 3.0 3.5	1 1.7 3.7	1 1.8 3.8	1 1.7 3.9	3 2.4 3.8	1 1.9 3.8	1 2.1 3.8	1 1.3 4.3	3 3.– 3.5	1 1.8 3.8	1 2.1 3.9	1 1.7 3.9	6	297
7	2 1.0 4.0	2 0.7 4.1	2 0.7 4.0	2 0.5 3.–	2 1.1 3.9	2 1.0 3.9	2 0.9 3.7	2 0.8 3.8	2 1.2 4.0	2 0.9 3.6	2 0.6 4.3	2 0.7 3.8	7	271
8	.. ..	1 0.7 4.–	1 0.9 4.0	3 1.3 4.3	.. ..	2 0.9 4.0	2 1.3 3.7	2 1.5 4.2	.. ..	2 0.8 4.0	1 1.2 4.6	1 1.8 4.2	8	203
9	3 3.– 4.2	3 4.– 5.–	3 4.– 4.7	3 3.3 4.0	3 2.4 4.7	1 5.– 4.7	3 5.– 4.7	1 2.– 4.5	3 2.5 4.4	.. ..	3 6.– 4.–	3 3.– 3.7	9	323
10	3 1.6 3.8	3 1.3 4.1	1 1.8 3.8	1 2.5 4.2	3 1.3 3.6	2 1.5 3.7	2 1.8 4.0	1 2.6 3.7	3 1.5 3.3	3 1.5 3.9	1 2.1 4.0	1 3.0 3.8	10	311
11	1 2.7 3.8	3 2.– 3.9	3 2.1 3.5	1 2.– 3.7	1 2.– 4.3	3 2.– 3.8	3 2.0 4.2	1 2.4 3.8	1 2.8 4.2	3 2.5 3.5	3 2.– 3.7	1 2.– 3.9	11	326
12	1 2.4 3.8	3 1.8 3.6	1 1.0 4.3	1 0.9 4.8	1 2.1 3.6	2 1.5 3.9	2 1.2 4.0	2 1.2 4.1	1 2.7 4.0	3 1.8 3.5	3 1.2 4.0	1 1.0 4.3	12	305
13	1 1.2 4.1	2 0.9 4.0	2 0.7 4.3	2 0.8 4.4	2 1.2 4.2	2 0.9 4.2	2 1.2 4.0	2 1.0 4.3	1 1.0 4.5	2 0.9 4.6	2 0.8 4.5	2 0.9 4.2	13	~~286~~ 284
14	2 0.9 4.4	2 1.2 4.5	3 1.2 4.0	3 1.3 3.5	2 1.0 4.4	2 1.3 4.2	2 1.5 4.2	3 1.4 4.3	2 1.0 4.6	2 1.0 4.7	2 1.3 4.3	3 1.3 4.4	14	316
15	3 1.2 3.8	3 1.0 4.5	1 1.1 4.5	1 0.9 4.8	3 1.7 3.8	2 1.5 4.2	2 1.2 4.4	1 1.2 4.3	3 1.6 3.6	2 1.5 3.8	1 1.1 4.8	1 1.4 5.0	15	298
16	1 1.1 4.3	1 1.1 4.5	3 1.1 4.8	3 1.1 4.6	1 1.4 4.5	1 1.5 5.2	3 1.5 4.9	3 1.5 4.8	1 1.2 5.0	1 1.4 5.2	3 1.3 4.7	3 1.4 4.4	16	326
17	3 1.3 4.5	3 1.5 4.0	3 1.7 4.6	3 2.2 4.4	3 1.4 4.3	3 1.8 4.1	3 2.0 4.5	1 3.– 5.–	3 1.4 4.3	.. ..	3 2.5 4.–	3 3.– 4.–	17	279
18	3 2.5 4.8	1 2.5 4.3	1 2.0 5.4	1 1.5 5.2	1 3.2 6.–	1 3.– 5.5	1 1.9 5.3	1 1.5 5.3	3 2.5 4.7	3 2.4 4.5	3 2.0 4.7	3 1.5 5.0	18	393
19	2 1.2 4.7	2 1.0 4.7	2 0.8 4.4	2 0.7 4.7	2 1.3 4.5	2 1.0 4.8	2 1.0 4.5	2 1.0 4.7	2 1.3 5.0	2 1.1 4.5	2 1.0 4.4	2 0.9 4.5	19	307
20	1 0.7 4.5	3 0.8 4.2	3 0.7 3.5	2 0.7 4.0	1 0.9 4.8	3 1.0 3.8	2 0.9 3.5	2 0.8 4.2	1 0.8 4.4	3 0.9 4.0	3 1.0 3.6	2 0.9 4.3	20	289
21	2 0.7 4.–	2 0.7 4.–	2 0.7 4.6	2 0.6 4.6	2 1.0 4.0	2 0.9 5.–	2 0.9 4.–	2 0.8 4.5	2 0.8 4.3	2 0.8 4.7	2 0.8 4.5	2 0.7 5.0	21	296
22	2 0.7 4.3	2 0.6 5.–	.. ..	3 0.9 3.6	2 0.8 4.7	2 0.7 5.–	.. ..	3 0.9 3.8	2 0.8 4.3	2 0.9 4.8	.. ..	3 1.0 3.5	22	220
23	3 0.7 3.–	3 0.7 3.2	3 0.4 4.3	2 0.5 4.6	3 0.9 3.6	3 0.8 3.3	2 0.5 4.3	2 0.6 4.0	3 1.1 3.0	3 0.8 3.5	3 0.6 3.8	3 0.5 4.3	23	296
24	2 0.4 4.7	2 0.2 5.5	2 0.2 4.7	2 0.4 4.5	2 0.6 5.0	2 0.7 4.2	2 0.4 4.5	2 0.6 4.3	2 0.6 4.0	2 0.3 4.5	2 0.4 4.6	2 0.6 4.0	24	270
25	2 0.5 3.8	3 0.6 4.0	3 0.8 4.0	3 0.7 3.8	3 0.8 3.5	3 0.9 3.–	3 0.7 4.0	3 0.7 3.9	3 0.9 3.5	3 0.7 3.6	3 0.8 3.8	3 1.0 3.0	25	293
26	2 0.9 3.5	2 1.0 3.1	2 0.7 2.8	2 0.6 3.2	2 0.9 3.1	2 1.0 2.7	2 1.1 2.5	2 1.2 2.5	2 0.9 3.3	2 0.8 3.0	2 0.8 2.8	2 0.8 2.7	26	231
27	2 0.4 3.1	2 0.5 3.2	3 0.9 3.5	1 0.8 4.3	2 1.0 2.5	2 0.9 3.2	2 1.4 3.1	1 1.3 3.9	3 0.6 3.0	2 0.8 2.8	3 0.9 4.2	1 1.0 4.5	27	268
28	1 1.5 4.4	1 1.1 4.5	1 1.1 4.3	1 0.9 4.4	.. ..	1 1.4 4.8	1 1.3 4.6	1 1.0 4.8	.. ..	1 1.2 4.7	1 1.4 4.6	1 1.2 4.2	28	200

Microseisms. København

1958	Z				N				E				1958	
March	0h	6h	12h	18h	0h	6h	12h	18h	0h	6h	12h	18h	March	
1	1 0.9 4.2	2 0.7 4.7	2 0.5 4.3	2 0.4 4.0	2 0.9 4.6	2 0.8 4.6	2 0.7 4.3	2 0.9 3.7	2 0.9 4.5	2 0.9 4.2	2 0.9 4.0	2 0.7 4.1	1	282
2	2 0.5 4.2	2 0.6 4.5	2 0.6 4.0	2 0.4 4.5	2 0.9 4.1	2 0.8 4.8	2 0.9 4.2	2 0.8 4.5	2 0.7 3.8	2 0.8 4.0	2 0.7 4.2	2 0.9 4.2	2	273
3	2 0.6 4.8	3 0.6 4.5	2 0.7 4.7	2 0.8 4.7	2 0.8 4.9	3 0.9 4.2	2 0.8 4.4	2 0.9 4.8	2 0.8 4.1	2 0.7 4.5	2 0.9 4.5	2 0.8 5.0	3	293
4	2 0.8 4.3	3 1.2 4.2	3 0.9 4.7	3 1.0 4.5	2 1.0 4.7	3 1.3 4.7	3 1.1 4.5	3 1.3 4.7	2 0.9 4.9	3 1.0 4.5	3 1.3 4.4	3 1.4 5.0	4	344
5	3 1.5 4.2	3 1.4 4.3	3 1.5 5.1	1 1.9 5.0	3 1.5 5.2	3 1.7 4.7	3 2.0 4.7	1 2.0 5.0	1 1.5 4.7	1 2.0 4.8	3 2.3 4.7	3 2.5 4.7	5	352
6	1 1.8 5.2	3 2.0 4.8	3 2.0 4.7	3 1.8 4.5	1 2.3 4.6	3 2.0 4.5	1 2.4 4.3	1 1.6 4.7	3 2.2 5.0	3 2.5 4.8	1 2.4 4.7	1 1.8 4.0	6	354
7	3 2.1 3.8	3 1.6 3.8	2 1.5 3.5	2 1.7 2.9	2 2.1 4.2	2 1.9 4.1	2 1.8 3.0	2 2.0 2.4	2 2.1 3.8	2 1.8 3.8	2 2.3 3.1	2 2.2 3.1	7	302
8	2 0.8 3.5	2 0.6 3.7	2 0.6 4.3	2 0.6 4.2	2 1.3 2.6	2 1.0 2.8	2 0.8 3.5	2 1.0 3.3	2 1.4 2.6	2 1.1 2.9	2 1.0 3.7	2 1.0 3.6	8	253
9	1 0.6 4.3	1 0.9 5.0	.. ..	2 1.0 4.2	1 1.2 3.3	1 1.2 4.2	.. ..	1 1.2 3.7	1 1.0 4.3	1 1.4 4.1	.. ..	2 1.3 4.6	9	204
10	2 0.8 4.7	2 0.7 4.3	2 0.8 3.2	2 0.6 4.0	2 1.1 4.0	2 1.2 3.8	2 0.9 4.5	2 0.8 4.4	2 1.1 4.2	2 1.1 3.7	2 1.0 3.7	2 0.8 3.5	10	271
11	2 0.5 4.0	2 0.4 3.5	2 0.3 2.9	2 0.3 2.8	2 0.7 3.5	2 0.7 2.8	2 0.7 3.1	3 0.7 2.7	2 0.7 3.5	2 0.7 2.9	3 0.6 2.8	3 0.6 2.8	11	246
12	2 0.3 3.5	2 0.3 4.5	2 0.4 4.7	2 0.4 4.7	2 0.6 3.5	2 0.6 4.2	2 0.6 4.3	2 0.7 5.0	2 0.6 3.1	2 0.4 3.7	2 0.8 4.0	2 0.6 4.5	12	257
13	2 0.4 4.3	2 0.5 3.8	2 0.4 4.7	2 0.4 4.1	2 0.9 4.0	2 0.8 4.4	2 0.9 3.7	2 0.9 3.2	2 0.6 4.5	2 0.7 4.0	2 0.7 4.1	2 0.7 3.8	13	271
14	2 0.5 3.7	2 0.6 3.7	2 0.6 3.7	2 0.7 4.0	2 0.8 4.0	2 0.7 4.3	2 0.9 3.7	2 0.9 3.5	2 0.7 3.8	2 0.8 3.8	2 0.8 3.7	2 0.8 3.5	14	259
15	3 0.7 4.5	3 0.8 4.0	2 0.8 3.8	2 0.8 3.6	3 1.1 4.0	3 1.1 4.2	2 1.2 3.5	2 0.9 4.0	3 1.2 4.1	3 1.1 3.9	2 1.1 3.6	2 1.1 4.2	15	303
16	2 0.7 4.1	2 0.7 4.0	2 0.5 4.2	2 0.6 3.8	2 0.9 4.2	2 0.9 4.2	2 0.7 4.3	2 0.6 4.5	2 0.9 4.8	2 0.8 4.2	2 0.8 4.0	3 0.6 4.5	16	296
17	2 0.4 4.0	2 0.4 4.7	2 0.5 4.2	2 0.6 4.2	2 0.7 4.2	2 0.9 4.1	2 0.7 4.8	2 0.8 4.5	2 0.6 4.5	2 0.6 4.7	1 0.8 4.3	1 0.6 5.2	17	273
18	2 0.5 5.0	2 0.4 4.5	2 0.3 4.5	2 0.3 4.8	2 0.8 4.4	2 0.7 4.3	2 0.4 4.2	2 0.4 3.8	1 0.8 4.9	2 0.5 4.8	2 0.5 4.1	2 0.4 4.6	18	276
19	2 0.3 4.3	2 0.3 4.3	2 0.3 3.5	2 0.3 4.2	2 0.4 4.4	2 0.4 3.7	2 0.5 3.9	2 0.6 3.4	2 0.4 4.2	2 0.4 3.5	2 0.4 3.7	2 0.4 3.2	19	242
20	2 0.3 4.3	2 0.3 4.0	2 0.4 3.9	2 0.3 4.5	2 0.6 3.3	2 0.6 3.7	2 0.7 3.9	2 0.6 4.7	2 0.4 3.6	2 0.4 3.4	2 0.6 3.5	2 0.6 3.7	20	242
21	2 0.4 4.0	2 0.4 4.0	2 0.4 4.0	2 0.4 4.4	2 0.6 4.1	2 0.4 4.0	2 0.5 4.1	2 0.5 4.2	2 0.6 4.5	2 0.5 4.0	2 0.6 3.7	2 0.6 4.2	21	267
22	2 0.5 4.3	2 0.6 4.5	.. ..	2 0.6 4.7	2 0.6 4.7	2 0.7 3.8	.. ..	2 0.8 4.7	2 0.7 4.3	2 0.7 4.2	.. ..	2 0.8 4.8	22	212
23	2 0.6 4.5	2 0.4 4.4	2 0.6 4.4	2 0.6 4.8	2 0.8 4.8	2 0.6 4.5	2 0.5 4.3	2 0.6 4.6	2 0.7 4.7	2 0.6 4.7	2 0.6 4.5	2 0.8 4.6	23	292
24	1 0.7 4.5	1 0.7 4.6	2 0.6 4.7	2 0.6 4.7	2 0.6 4.8	2 0.7 4.7	2 0.7 4.7	2 0.8 4.5	2 0.8 5.1	2 1.0 4.6	2 0.7 4.9	1 0.8 4.5	24	294
25	2 0.7 4.4	1 0.8 4.5	1 0.9 4.2	1 0.8 4.5	2 0.7 4.3	2 0.8 4.4	1 0.9 4.5	1 0.9 4.7	2 0.9 4.6	1 1.0 4.5	1 1.0 4.2	1 1.0 4.2	25	264
26	1 0.8 4.5	1 0.8 4.3	2 0.5 4.4	2 0.5 3.9	1 0.9 4.3	2 0.7 4.3	2 0.6 4.0	2 0.5 3.9	1 0.9 4.3	1 0.8 4.1	1 0.7 4.1	2 0.6 4.0	26	245
27	2 0.5 3.8	2 0.4 4.2	2 0.7 4.1	2 0.6 4.1	2 0.6 3.8	2 0.6 3.8	2 0.6 4.3	2 0.8 4.2	2 0.7 3.9	2 0.7 4.2	2 0.9 4.0	2 0.7 3.7	27	268
28	3 0.7 3.8	3 0.7 4.0	3 0.7 3.6	3 0.7 3.4	3 0.6 4.0	3 0.6 3.8	3 0.6 3.5	3 0.7 3.8	3 0.8 3.7	3 0.8 3.5	2 0.8 3.8	3 0.8 3.5	28	287
29	3 0.6 3.7	3 0.7 3.8	3 0.7 3.9	2 0.8 4.3	3 0.8 3.8	3 0.9 3.5	3 0.9 4.0	2 0.9 4.2	3 1.0 4.5	3 1.1 4.8	3 0.9 4.7	2 0.9 4.5	29	334
30	3 0.8 4.3	3 0.9 4.5	3 0.8 4.2	2 0.8 4.2	3 1.1 4.0	3 1.1 4.1	2 0.8 4.4	2 0.8 4.0	3 1.0 4.5	3 0.8 4.4	3 0.9 4.2	3 0.9 4.0	30	327
31	2 0.7 4.0	2 0.7 3.9	2 0.6 4.5	2 0.7 4.5	2 0.9 4.2	2 0.8 4.3	2 0.8 4.2	2 0.8 5.0	2 0.8 4.1	2 0.9 4.0	2 0.8 4.7	1 0.7 4.9	31	279

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