No. 32 July—Dec. 1957

GEODÆTISK INSTITUT

Proviantgården · Copenhagen · Denmark

Bulletin of the seismological station

SCORESBYSUND

$\varphi = 70°29'$ N. $\lambda = 21°57'$ W. $h = 69$ m.

Lithologic foundation : gneiss

Instruments

Galitzin-Wilip. N and E. $T_p = T_g = 12$ sec, $\mu^2 = 0$, $\frac{Ak}{\pi l} = 300$ or V_{max} abt. 1000.

Galitzin-Wilip. Z. $T_p = 9$ sec, $T_g = 10$ sec, $\mu^2 = 0$, $\frac{Ak}{\pi l} = 200$ or V_{max} abt. 600.

Grenet Z'. $T_p = 1$ sec, $T_g = {}^1/_4$ sec, V_{max} abt. 30000.

Seismological Readings

Phases are indicated by the symbols used in ISS. Times are given in GMT. Positions of epicenters are most often due to BCIS or 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.

Scoresbysund 1957

July

1	*iP·Z'Z*	$19^h42^m02^s$	
	iPcP·Z'Z	42 21	
	iS·NE	51 36	
	iScS·NE	52 16	
	i·E	52 50	
	eSS·N	56 23	
	L·NE	20 04	
	$\Delta = 75°$. India-Burma border.		
2	*iP·Z'ZNE*	0 51 30	*Z*: 9^s, 10 μ.
	ePcP·Z	52 45	
	iPP·Z'ZE	53 29	
	iS·NE	58 54	10^s. *N*: 12 μ, *E*: 25 μ.
	iSS·NE	1 02 26	*N*: 20^s, 100 μ.
	L·NE	09	
	$\Delta = 52°$. Iran.		
3	*iP·Z'*	12 34 29	
	eS·N	42 42	
	L·NE	52	
	$\Delta = 58°$. Aleutian Islands.		
4	*L·NE*	22 58	
5	*L·NE*	1 30	
5	*ePKS·N*	12 56 54	
	L·NE	13 46	
	$\Delta = 135°$. Kermadec Islands.		
5	*iP·Z'*	15 44 19	
	$\Delta = 80°$. Belgian Congo.		
7	*iP·Z'*	6 07 04	
	eS·E	13.6	
	L·NE	22	
	$\Delta = 45°$. Turkey.		
7	*iPKP·Z'*	16 30 02	
	e·NE	40.5	
	L·NE	17 06	
	$\Delta = 116°$. Solomon Islands.		
8	*eP·Z'*	15 41 30	
	e·E	45 52	
	eS·NE	51 03	
	eSS·E	55.4	
	L·NE	16 04	
	$\Delta = 70°$. $h = 150$ km. Guatemala.		
9	*L·NE*	10 50	
9	*eP·Z'ZNE*	20 35 43	
	eS·Z'	36 11	
	L·ZNE	36 32	
	$\Delta = 2^1/_2°$. North of Iceland.		
9	*eP·Z'*	$21^h05^m37^s$	
	eS·ZNE	06 02	
	L·ZNE	06 18	
	$\Delta = 2^1/_2°$. North of Iceland.		
9	*iP·Z'ZNE*	21 21 03	
	eS·Z'	21 22	
	L·NE	21 30	
	$\Delta = 2^1/_2°$. North of Iceland.		
10	*L·NE*	5 12	
10	*eP·Z'ZNE*	6 06 27	
	e·Z'	07 02	
	e·N	07 09	
	$\Delta = 2^1/_2°$. North of Iceland.		
10	*iP·Z'ZNE*	9 15 42	
	eS·NE	25 07	
	L·NE	40	
	M·NE	45	20^s. *N*: 12 μ, *E*: 12 μ.
	$\Delta = 73°$. Panama.		
13	*iP·Z'*	1 09 07	
	eS·E	16 51	
	eScS·E	18 57	
	L·E	24	
	$\Delta = 56°$. Aleutian Islands.		
13	*L·NE*	10 37	
14	*iP·Z'*	2 37 26	
	eS·N	46 02	
	L·NE	56	
	$\Delta = 64°$. Kuriles Islands.		
14	*iPKP·Z'*	6 42 47	
	i·Z'NE	42 56	
	iPP·Z'NE	45 26	
	iSKP·Z'	46 08	
	ipPP·NE	46 28	
	e(sPP)·Z'	46 54	
	i·NE	47 40	
	eSS·NE	7 02 52	
	esSS·E	05 12	
	$\Delta = 134°$. $h = 200$ km. Kermadec Islands.		
14	*iPKP·Z'*	8 30 11	
	ePP·NE	32 52	
	ePKS·NE	33 52	
	e·E	41.2	
	e(SKSP)·N	43.1	
	eSS·N	50.9	
	$\Delta = 137°$. Kermadec Islands.		
14	*ePKP·Z'*	10 01.5	
	$\Delta = 127°$. Tonga Islands.		

Scoresbysund 1957

July			
17	*ePP·Z′NE*	$11^h30^m29^s$	
	ePS·NE	40.1	
	L·NE	12.1	
	$\Delta = 120°$. Santa Cruz Islands.		
18	*L·NE*	1 45	
19	*eP·Z′*	13 14 23	
	e·Z′	14 55	
	eS·NE	24 41	
	$\Delta = 81°$. Formosa.		
20	*L·NE*	10 49	
20	*iP·Z′*	11 22 52	
	$\Delta = 59°$. Kamchatka.		
20	*eS·NE*	14 27 52	
	L·NE	43	
	$\Delta = 66°$. Japan.		
21	*(e)P·Z′*	6 15 (16)	in the time-break.
	eS·N	24.5	
	eSS·E	29.3	
	L·NE	38	
	$\Delta = 70°$. Guatemala.		
22	*ePP·N*	6 39.4	
	e·N	40 08	
	eSKKS·N	46 16	
	$\Delta = 141°$. Kermadec Islands.		
22	*eS·E*	14 14 46	
	eScS·E	17.1	
	L·NE	24	
	$\Delta = 54°$. Aleutian Islands.		
23	*iP·ZNE*	0 55 00	
	e·NE	58 47	
	eS·NE	1 02.8	
	eScS·E	04 51	
	eSS·N	07.0	
	L·NE	14	
	$\Delta = 56°$. Aleutian Islands.		
24	*ePP·N*	2 16.2	
	ePPP·E	18 54	
	eSKS·NE	22 16	
	ePS·NE	25 16	
	eSS·E	31.2	
	L·NE	48	
	$\Delta = 106°$. Chile-Argentina border.		
July			
24	*e·NE*	$11^h11^m50^s$	
	e·NE	13 22	
	e·E	14 23	
24	*ePP·NE*	11 23.8	
	e·N	33.4	
	eSS·E	40 46	
	L·N	12 03	
	$\Delta = 129°$. New Hebrides Islands.		
24	*L·NE*	17 57	
25	*eP·NE*	7 52 16	*Z′* and *Z* out of order.
	eS·NE	8 00 16	
	L·E	10	
	L·N	14	
	$\Delta = 58°$. Aleutian Islands.		
26	*e·N*	2 48.7	
	e·N	54.0	
26	*e·NE*	4 42.3	
27	*L·NE*	15 57	
27	*L·NE*	21 29	
28	*iP·Z′ZNE*	8 51 16	
	iPcP·Z′	51 34	
	iS·NE	9 00 46	*E*: 10^s, 30 μ.
	eSS·E	04.8	20^s, 65 μ.
	L·NE	13	
	M·NE	20	20^s. *N*: 190 μ, *E*: 225 μ, *M*: 7.7.
	$\Delta = 70°$. Mexico.		
28	*L·NE*	14 07	
29	*L·NE*	0 51	
29	*e·NE*	3 09.6	
	e·NE	11 12	
29	*eP·Z′ZE*	17 29 04	
	ePP·Z′ZN	33 02	
	iSKS·NE	39 44	
	e·E	40 34	
	iPS·NE	42 16	
	L·NE	18 02	
	$\Delta = 100°$. Chile.		
August			
1	*iP·Z′*	16 28 26	
	L·E	45	
	L·ZN	51	
	$\Delta = 56°$. Aleutian Islands.		

Scoresbysund 1957

August		
1	*L·NE*	22^h55^m
3	*L·E*	9 29
4	*ePP·N*	0 58 46
	eSKS·N	1 04.6
	eSS·E	14.3
	eSSS·E	18.2
	L·NE	34
	$\Delta = 112°$. New Guinea.	
4	*iP·ZNE*	6 17 51
	eS·NE	27 06
	eSSS·E	34.6
	L·NE	45
	$\Delta = 71°$. Mexico.	
4	*eP·ZE*	11 39.8
	eS·E	48 56
	L·NE	12 07
	Repetition.	
4	*iP·Z*	14 27 32
	eS·NE	36 48
	eSS·E	41 16
	eSSS·E	44.7
	L·NE	50
	Repetition.	
4	*ePKP·Z'Z*	21 27 56
	ePP·ZNE	29 36
	e·N	41.8
	eSS·NE	46.7
	L·NE	22 05
	$\Delta = 122°$. South of Africa.	
5	*ePKS·NE*	4 52 30
	L·NE	5 44
	$\Delta = 131°$. Tonga Island.	
5	*eP·Z*	17 46 07
	eS·NE	55 26
	L·NE	18.2
	$\Delta = 70°$. Mexico.	
7	*L·NE*	4 52
7	*L·E*	6 22
	L·N	6 25
7	*ePKP·Z'*	19 58 52
	$\Delta = 127°$. $h = 550$ km. Fiji Islands.	
8	*L·NE*	5 17

August		
8	*eP·Z'*	$22^h45^m01^s$
	eS·NE	55 06
	eSS·N	23 00.7
	$\Delta = 78°$ Ascension Island.	
9	*ePP·Z'ZN*	2 48.4
	eSKS·N	54 38
	eSKKS·NE	55 34
	e·E	56.3
	ePS·N	57 56
	L·NE	3 22
	$\Delta = 110°$. New Guinea.	
10	*iP·Z'Z*	0 12 03
	$\Delta = 65°$. Kurile Islands.	
10	*L·NE*	5 02
11	*e·Z'NE*	15 35.7
	Near shock?	
11	*e·NE*	16 02.0
	Near shock?	
11	*ePKP·Z'Z*	21 57 11
	eSS·E	22 16 16
	L·NE	40
	$\Delta = 126°$. New Hebrides Islands.	
12	*e·Z'*	3 48 30
	i·Z'	49 13
12	*e(L)·E*	8 10
12	*L·NE*	8 28
13	*iP·Z'*	12 08 07
	eS·NE	14 32
	L·NE	23
	$\Delta = 43°$. Alaska.	
15	*epPP·ZN*	21 05 51 Preceding movements illegible.
	eSKS·N	09 10
	i·N	10 21
	e·ZNE	13 07
	$\Delta = 114°$. $h = 500$ km. Solomon Islands.	
16	*ePS·NE*	12 26 48
	eSS·NE	33.0
	L·NE	12.9
	$\Delta = 114°$. Solomon Islands.	

Scoresbysund 1957

August			
16	*iP·Z'Z*	$23^h43^m53^s$	
	iPP·ZE	46 51	
	ePPP·E	48 43	
	iS·NE	53 49	
	(i)PS·N	54 15	in the time-break.
	iPPS·NE	54 31	
	iSS·NE	58 53	
	L·NE	24 08	
	$\Delta = 78°$. South of Mexico.		
18	*L·NE*	7 49	
18	*eP·Z'*	8 50 22	
	ePP·N	54.2	
	eSKS·NE	9 01.0	
	iS·E	01 31	
	ePS·ZE	02.7	
	e·NE	04 06	
	eSS·NE	07.9	
	L·NE	22	
	$\Delta = 95°$. Philippine Islands.		
18	*L·NE*	21 46	
18	*iP·Z'ZN*	21 52 36	
	iS·NE	22 00 44	
	eScS·NE	02 34	
	L·NE	09	
	$\Delta = 60°$. Kurile Islands.		
19	*eSS·E*	12 11.0	
	eSSS·E	15.8	
	L·NE	23	
	$\Delta = 120°$. Solomon Islands.		
19	*eP·Z'Z*	21 41 40	
	eS·NE	49 32	
	eScS·E	51 37	
	$\Delta = 57°$. Aleutian Islands.		
20	*L·E*	6 04	
20	*ePP·Z*	6 47 05	
	eSKKS·E	54.7	
	eSS·NE	7 03 44	
	L·NE	7.5	
	$\Delta = 120°$. Solomon Islands.		
20	*ePP·ZN*	12 22 28	
	eSS·E	38 35	
	L·NE	13 02	
	Disturbed by repairs in the pendulum cellar.		
	$\Delta = 120°$. Solomon Islands.		
20	*L·E*	23 02	

August			
21	*e·Z'*	$6^h07^m43^s$	
	i·Z'	07 47	
	e·Z'	07 52	
21	*eP·Z'*	19 40 52	
	$\Delta = 56°$. Aleutian Islands.		
23	*ePS·N*	2 29.3	
	ePPS·N	30 43	
	eSS·NE	35 47	
	L·N	54	
	$\Delta = 115°$. Solomon Islands.		
26	*iP·Z'*	11 42 11	
	i·Z'	42 18	
	i·Z'	42 24	
	ePP·Z'	45 54	
	eSKS·NE	52 46	
	eS·NE	53 26	
	ePS·NE	54.5	
	L·NE	12 14	
	$\Delta = 94°$. Bolivia.		
26	*eP·Z'*	14 11 08	
	iS·N	21 19	
	e·NE	21 36	
	e·NE	22 36	
	eSS·E	26 20	
	L·N	36	
	$\Delta = 81°$. Equador.		
27	*ipPKP·Z'*	21 17 11	
	$\Delta = 134°$. $h = 650$ km. Fiji Islands.		
28	*(e)P·Z'*	23 35 14	in the time-break.
	eSKS·N	45 47	
	ePS·N	47 04	
	L·NE	24 06	
	$\Delta = 88°$. Mariana Islands.		
29	*eP·Z'*	0 03 10	
	Repetition.		
29	*e·E*	11 19 34	
	i·E	19 44	
	e·NE	23.2	
	e·N	27 34	
	e·ZE	28 05	
30	*L·NE*	16 48	
30	*L·E*	20 56	

Scoresbysund 1957

September		
2	*eP·Z′*	$0^h13^m03^s$
	eSKS·N	23 31
	eS·E	24 07
	eSS·E	30.2
	L·E	43
	Δ = 90°. Mariana Islands.	
2	*iP·Z′*	7 04 07
	Δ = 6°. East of Jan Mayen.	
2	*eSKS·N*	10 12 32
	L·N	42
	Δ = 122°. Samoa Islands.	
2	*eP·Z′*	14 29 48
	i·Z′	29 51
	eS·N	37 39
	eSS·N	41 40
	L·N	49
	Δ = 56°. Aleutian Islands.	
2	*iP·Z′*	21 37 03
	e·N	40 15
	e·N	41 35
	eS·N	44.6
	Δ = 57°. *h* = 200 km. Hindu Kush.	
3	*L·NE*	17 07
3	*L·NE*	18 28
3	*eS·NE*	20 29.5
	L·NE	30.5
	M·NE	31 10^s. *N*: 2 μ, *E*: 2 μ.
	Δ = 15°. North Atlantic Ocean.	
3	*L·NE*	21 53.7
4	*L·N*	5 48
6	*L·NE*	5 24
7	*iP·Z′*	6 58 41
	L·NE	7 18
	Δ = 60°. Kurile Islands.	
7	*eP·Z′*	10 16 33
	i·Z′	16 42
	eS·NE	24 33
	i·E	31 13
	L·NE	34
	Δ = 57°. Aleutian Islands.	

September		
12	*iP·Z′*	$0^h38^m46^s$
	i·Z′	38 59
	iS·NE	47 29
	eSS·N	52 14
	L·E	59
	Δ = 65°. Gulf of Honduras.	
19	*e·NE*	1 17 39
19	*eP·Z′*	13 51 52
	Δ = 56°. Aleutian Islands.	
19	*iP·Z′*	17 31 47
	iS·Z′	33 44
	eS·NE	33 47
	e·Z′	34 01
	L·E	34.8
	Δ = 11°. Greenland Sea.	
20	*(i)P·Z′*	6 31 19 in the time-break.
	eS·Z′NE	33 28
	L·Z′ZNE	34.5
	Δ = 11°. Northeastern Greenland.	
	No recording 21^d14^h—25^d20^h.	
25	*L·E*	23 11
26	*L·E*	0 40
26	*L·E*	8 44
26	*L·E*	14 15
26	*L·E*	19 43
27	*e·E*	4 34 52
	ePS·E	36 45
	L·E	57
	Δ = 108°. Molucca Passage.	
27	*iP·Z′*	5 07 08
	Δ = 45°. Eastern Siberia.	
27	*L·E*	11 43
28	*iP·Z′*	0 38 41 Ampl. 8 mm.
	iS·NE	48 01
	e·E	51 09
	Δ = 78°. *h* = 500 km. Japan.	

Scoresbysund 1957

September

28	*iPKP·Z'*	$14^h38^m00^s$	Ampl. 8 mm.
	iPP·Z'NE	40 11	
	iPKS·NE	41 24	10^s. *N*: 20 μ, *E*: 10 μ.
	i·E	47 33	
	e·N	52 06	
	iSS·NE	56 37	*N*: 10^s, 15 μ, *E*: 15^s, 50 μ.
	Δ = 128°. *h* = 650 km. Fiji Islands.		
29	*L·NE*	4 33	
29	*iPKP·Z'*	8 31 29	
	iPP·Z'	34 09	
	iSS·NE	51 07	
	Δ = 133°. *h* = 600 km. Fiji Islands.		

October

1	*e·E*	3 12 02	
	L·ZNE	12.5	
	M·ZNE	13.2	10^s. *N*: 3 μ, *E*: 2 μ.
	F·ZNE	14.0	
	Jan Mayen region.		
2	*eP·Z'*	12 38 42	
	e·Z'	38 54	
	iS·N	47 13	
	e·NE	47 53	
	L·NE	58	
	Δ = 65°. Venezuela.		
4	*eP·Z'ZNE*	5 36 42	
	eS·N	45 29	
	e(PS)·E	45 40	
	eSS·E	52.5	
	L·E	57.7	
	Δ = 65°. Venezuela.		
5	*iP·Z'*	0 05 29	
	i·Z'	06 09	
	eS·N	12 49	
	e·NE	13 09	
	Δ = 55°. Aleutian Islands. Possibly two shocks.		
5	*iP·Z'*	11 44 58	
	eS·E	51 49	
	L·E	12 02.5	
	Δ = 45°. Crete.		
12	*L·NE*	19 58	
13	*L·NE*	4 46	
13	*L·N*	22 08	
14	*i·Z'*	17 04 16	
	i·Z'	10 18	

October

18	*ei·Z'*	$12^h07^m25^s$	
19	*eP·Z'*	18 41 18	
	i·Z'	41 44	
	iSKS·NE	51 31	
	iS·E	51 37	
	i·E	51 49	
	ePPS·E	52 36	
	e·E	53 35	
	eSS·NE	56 50	
	eSSS·E	19 00 38	
	L·NE	06	
	Δ = 83°. Formosa.		
19	*iP·Z'*	21 52 25	
	Δ = 65°. *h* = 150 km. Japan.		
20	*L·NE*	12 30	
21	*iP·Z'*	14 33 05	
	Δ = 38°. Mid Atlantic Ocean.		
23	*iP·Z'*	6 06 27	
	L·NE	26	
	Δ = 57°. Aleutian Islands.		
24	*iP·Z'*	21 55 25	
	Δ = 67°. Gulf of California.		
25	*iP·Z'*	10 13 35	
	L·NE	35	
	Δ = 58°. Kamchatka.		
26	*e·Z'*	2 25 47	
	e·Z'	26 15	
	Δ = 2°?		
27	*iP·Z'*	22 41 52	
	ipP·Z'	42 26	
	isP·Z'	42 42	
	Δ = 53°. *h* = 150 km. Kamchatka.		
28	*i·Z'*	12 58 59	
	i·Z'	13 01 11	
	i·Z'	01 16	
29	*i·Z'*	17 06 50	
	i·Z'	07 09	
	iL·NE	07 35	15^s. *N*: 3 μ, *E*: 8 μ.
	iL·Z	08 00	15^s, 20 μ.
	F·ZNE	08 20	
29	*i·Z'*	17 08 40	
	i·Z'	08 52	

Scoresbysund 1957

October

30	$iP \cdot Z'$	$2^h22^m37^s$	
	$L \cdot NE$	44	
	$\Delta = 54°$. Aleutian Islands.		
30	$L \cdot NE$	7 54	
31	$iP \cdot Z'$	10 19 33	
	$\Delta = 75°$. Panama.		

November

7	$L \cdot NE$	7 37	
10	$eP \cdot Z'$	19 31 47	
	$i \cdot Z'$	31 54	
	$L \cdot NE$	59	
	$\Delta = 75°$. Japan.		
13	$ePKP \cdot Z'$	17 42 05	
	$e \cdot Z'ZNE$	42 24	
	$ePP \cdot Z'N$	45 16	
	$iPKS \cdot NE$	45 53	
	$i \cdot NE$	46 18	
	$e \cdot NE$	57 50	
	$L \cdot NE$	18 30	
	$\Delta = 141°$. Kermadec Islands.		
14	$e(L) \cdot Z'$	20 51 46	3^s.
15	$iP \cdot Z'$	6 16 37	
	$L \cdot NE$	39	
	$\Delta = 56°$. Aleutian Islands.		
15	$L \cdot NE$	8 42	
15	$iP \cdot Z'N$	16 40 27	
	$ePPP \cdot NE$	43 54	
	$iS \cdot NE$	48 25	
	$i \cdot E$	48 49	
	$L \cdot NE$	58.5	
	$\Delta = 58°$. Kamchatka.		
16	$eP \cdot Z'$	1 38.6	
	$e \cdot N$	2 11.3	
	$L \cdot NE$	16	
	$\Delta = 56°$. Aleutian Islands.		
17	$iP \cdot Z'$	6 07 29	
	$\Delta = 60°$. $h = 350$ km. Sea of Okhotsk.		
17	$L \cdot NE$	6 57	
17	$L \cdot NE$	16 53	

November

17	$iP \cdot Z'$	$18^h06^m17^s$	
	$epP \cdot Z'$	08 00	
	$\Delta = 78°$. $h = 450$ km. Japan.		
19	$iP \cdot Z'$	16 23 45	
	$i \cdot Z'$	24 01	
	$\Delta = 63°$. $h = 100$ km. Kuriles Islands.		
20	$iP \cdot Z'$	12 49 45	
	$eS \cdot NE$	57 12	
	$i \cdot E$	59 42	
	$i \cdot E$	13 00 02	
	$L \cdot NE$	08	
	$M \cdot NE$	15	20^s. N: 35 μ, E: 15 μ.
	$\Delta = 53°$. Aleutian Islands.		
23	$(i)P \cdot Z'$	1 08 02	in the time-break.
	$eS \cdot N$	15 41	
	$L \cdot NE$	25	
	$\Delta = 54°$. Aleutian Islands.		
24	$iP \cdot Z'$	9 45 36	
	$iS \cdot Z'$	47 01	
	$iSg \cdot Z'$	47 22	
	$e \cdot ZNE$	47 56	Z: 4^s, 3 μ.
	$M \cdot NE$	48 13	10^s. N: 2 μ, E: 4 μ.
	$\Delta = 7^1/_2°$. Northern Eastcoast of Greenland.		
25	$L \cdot NE$	19 20	
25	$L \cdot NE$	20 58	
25	$L \cdot NE$	23 33	
26	$i \cdot Z'$	8 20 51	
26	$L \cdot NE$	12 04	
29	$eP \cdot Z'$	22 32 53	
	$i \cdot Z'$	32 58	
	$i \cdot Z'$	33 13	
	$ipP \cdot Z'E$	33 52	
	$iSKS \cdot NE$	42 59	10^s. N: 20 μ, E: 30 μ.
	$iS \cdot NE$	43 49	10^s. N: 15 μ, E: 20 μ.
	$e(SP) \cdot Z'$	45 11	4^s.
	$iPKKP \cdot Z'$	49 41	
	$ipPKKP \cdot Z'$	50 13	
	$\Delta = 97°$. $h = 200$ km. Bolivia.		
30	$iP \cdot Z'$	22 04 37	
	$eS \cdot E$	13 10	
	$L \cdot E$	24.5	
	$\Delta = 63°$. Kurile Islands.		

Scoresbysund 1957

December

1 $iP \cdot Z'$ $1^h10^m53^s$
$L \cdot E$ 29.5
$\Delta = 63°$. Kurile Islands.

1 $iP \cdot Z'$ 1 19 27
$\Delta = 63°$. Kurile Islands.

3 $iP \cdot Z'$ 0 01 53
$eS \cdot Z'$ 04 07
$iL \cdot Z'NE$ 05 26
$M \cdot E$ 05.6 10^s, 4 μ.
$\Delta = 13°$. $h = 100$ km. North-east coast of Greenland.

3 $iP \cdot Z'$ 21 55 53
$\Delta = 55°$. Aleutian Islands.

4 $iP \cdot Z'$ 3 47 38
$L \cdot Z'NE$ 4 07
$iPKPPKP \cdot Z'$ 17 29
Other phases illegible due to heavy microseisms.
$\Delta = 57°$. Outher Mongolia.

6 $iP \cdot Z'$ 4 00 08
$\Delta = 64°$. Kuriles Islands.

11 $iP \cdot Z'$ 18 23 11
$\Delta = 78°$. Japan.

13 $iP \cdot Z'$ 1 43 18
$i \cdot Z'$ 43 30
$\Delta = 73°$. $h = 100$ km. Colombia.

13 $iP \cdot Z'Z$ 1 54 06
$i \cdot Z'$ 54 14
$i \cdot Z'ZE$ 56 07
$iS \cdot NE$ 2 01 34 10^s. N: 10 μ, E: 10 μ.
$iSS \cdot NE$ 04 59
$L \cdot NE$ 10
$M \cdot NE$ 16 16^s. N: 10 μ, E: 25 μ.
$\Delta = 52°$. Iran.

13 $iP \cdot Z'$ 20 35 58
$L \cdot NE$ 53
$\Delta = 55°$. Aleutian Islands.

13 $iP \cdot Z'$ 22 21 28
$i(S) \cdot Z'$ 21 34 Lightspot on Z displaced in the same moment.
$\Delta = {}^1/_2°$.

16 $eS \cdot NE$ 17 43 44
$L \cdot NE$ 52.5
Z and Z' out of order.
$\Delta = 48°$. Vancouver Island.

December

17 $eP \cdot Z'$ $5^h20^m06^s$
$e \cdot Z'$ 20 38
$iS \cdot E$ 27 45
$e \cdot N$ 27 56
$L \cdot NE$ 38
$M \cdot NE$ 47 18^s. N: 20 μ, E: 16 μ.
$\Delta = 57°$. Kamchatka.

17 $eP \cdot Z'$ 6 56 44
$e \cdot Z'$ 57 26
Arctic?

17 $ePKP \cdot Z'$ 14 08 59
$i \cdot Z'$ 09 01
$epPKP \cdot Z'$ 09 34
$i \cdot Z'$ 09 43
$iPP \cdot Z'N$ 10 33
$iPKKP \cdot Z'$ 19 02
$i \cdot Z'$ 19 10
$ePS \cdot N$ 20 28
$iPKKS \cdot N$ 22 57
$i \cdot Z'$ 23 02
$iSS \cdot E$ 26 48
$L \cdot NE$ 46
$M \cdot N$ 49 30^s, 60 μ.
$\Delta = 122°$. $h = 100$ km. Santa Cruz Islands.

23 $eP \cdot Z'$ 12 41 09
$eS \cdot E$ 46 49
$i \cdot E$ 49 38
$L \cdot NE$ 49.9
$\Delta = 36°$. Mid Atlantic ridge.

27 $L \cdot NE$ 7 55

31 $L \cdot NE$ 10 28.1 M: 10^s. N: 10 μ, E: 10 μ.

31 $eL \cdot NE$ 13 14.6

31 $(i)PKP \cdot Z'$ 14 48 04 in the time-break.
$i \cdot Z'$ 48 10
$L \cdot NE$ 15.8
$\Delta = 154°$. New Zealand.

June 1959. HENRY JENSEN

Microseisms. Scoresbysund

1957	*Z*				*N*				*E*				1957
July	0^h	6^h	12^h	18^h	0^h	6^h	12^h	18^h	0^h	6^h	12^h	18^h	July
1	2 0.2 4.0	2 0.2 4.2	2 0.2 4.0	2 0.2 4.1	2 0.2 4.0	2 0.2 3.9	2 0.2 4.1	2 0.2 3.9	2 0.2 3.9	2 0.2 3.9	2 0.2 3.9	2 0.2 3.9	1
2	2 0.2 4.0	2 0.2 4.2	2 0.2 4.1	.. ..	2 0.2 4.2	2 0.2 4.3	2 0.2 4.5	2 0.2 4.4	2 0.2 4.2	2 0.2 4.4	2 0.2 4.4	2 0.2 4.5	2
3	.. ..	.. ..	.. ..	.. ..	2 0.2 4.5	2 0.2 4.3	2 0.2 4.4	.. ..	2 0.2 4.5	2 0.2 4.5	2 0.2 4.5	.. ..	3
4	.. ..	2 0.2 4.5	2 0.2 4.4	2 0.2 4.4	.. ..	2 0.1 4.3	2 0.1 4.2	2 0.1 4.3	.. ..	2 0.1 4.2	2 0.1 4.2	2 0.2 4.3	4
5	2 0.3 4.5	2 0.2 4.5	2 0.2 4.5	2 0.2 4.5	2 0.2 4.5	2 0.2 4.4	2 0.2 4.5	2 0.2 4.5	2 0.2 4.3	2 0.2 4.5	2 0.2 4.5	2 0.2 4.5	5
6	2 0.2 4.5	2 0.2 4.5	2 0.2 4.5	2 0.2 4.5	2 0.1 4.–	2 0.1 4.–	2 0.1 4.–	2 0.1 4.5	2 0.1 4.–	2 0.1 4.–	2 0.1 4.–	2 0.1 4.–	6
7	2 0.2 4.5	2 0.2 4.5	.. ..	.. ..	2 0.1 4.5	2 0.2 4.6	2 0.2 4.6	.. ..	2 0.1 4.6	2 0.2 4.6	2 0.2 4.6	.. ..	7
8	.. ..	.. ..	.. ..	2 0.2 4.7	2 0.1 4.6	2 0.1 4.5	.. ..	2 0.1 4.5	2 0.1 4.6	2 0.1 4.6	.. ..	2 0.2 4.7	8
9	2 0.2 4.5	2 0.2 4.5	2 0.2 4.8	.. ..	2 0.1 4.6	2 0.2 4.5	2 0.2 4.7	2 0.2 4.6	2 0.2 4.6	2 0.2 4.7	2 0.2 4.6	2 0.2 4.6	9
10	2 0.1 5.–	2 0.1 5.–	2 0.1 5.–	2 0.1 5.–	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	10
11	.. ..	.. ..	.. ..	2 0.1 5.–	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	11
12	.. ..	.. ..	.. ..	.. ..	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	12
13	.. ..	.. ..	.. ..	.. ..	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	13
14	.. ..	.. ..	.. ..	.. ..	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	14
15	.. ..	.. ..	.. ..	.. ..	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	15
16	.. ..	.. ..	.. ..	.. ..	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	16
17	.. ..	.. ..	.. ..	.. ..	0.2	0.2	.. ..	0.1	0.2	0.2	.. ..	0.1	17
18	.. ..	.. ..	.. ..	.. ..	2 0.1 5.–	2 0.2 4.8	2 0.3 4.8	2 0.3 4.7	2 0.2 5.0	2 0.3 4.7	2 0.3 4.8	2 0.3 4.9	18
19	.. ..	.. ..	.. ..	.. ..	2 0.2 4.8	2 0.2 4.8	2 0.2 4.7	2 0.2 4.9	2 0.3 4.7	2 0.2 4.7	2 0.2 4.8	2 0.2 4.8	19
20	.. ..	.. ..	.. ..	.. ..	2 0.2 5.0	2 0.2 5.0	2 0.2 4.9	2 0.2 5.0	2 0.2 4.7	2 0.2 4.9	2 0.2 4.9	2 0.2 5.0	20
21	.. ..	.. ..	.. ..	.. ..	2 0.2 4.9	2 0.2 4.8	2 0.1 5.–	2 0.1 5.–	2 0.2 5.0	2 0.2 4.8	2 0.2 4.8	.. ..	21
22	.. ..	.. ..	.. ..	.. ..	2 0.1 5.–	2 0.1 5.–	2 0.1 5.–	2 0.1 5.–	.. ..	.. ..	.. ..	2 0.2 5.–	22
23	.. ..	0.2	0.2	0.2	2 0.1 5.–	2 0.2 5.–	2 0.1 5.–	2 0.1 4.–	2 0.2 4.5	2 0.2 4.–	2 0.3 4.–	2 0.2 4.–	23
24	0.2	0.2	0.2	0.2	0.1 4.–	.. ..	.. ..	0.1 4.–	0.1 4.–	.. ..	.. ..	2 0.2 4.5	24
25	0.2	0.2	0.2	2 0.3 4.4	2 0.1 4.–	2 0.1 4.–	2 0.2 4.–	2 0.3 4.3	2 0.2 4.4	2 0.2 4.5	2 0.2 4.3	2 0.2 4.4	25
26	2 0.3 4.2	2 0.3 4.1	.. ..	2 0.3 4.5	2 0.2 4.2	2 0.2 4.3	2 0.2 4.4	2 0.2 4.5	2 0.3 4.4	2 0.3 4.4	2 0.3 4.5	2 0.3 4.7	26
27	2 0.3 5.–	2 0.3 5.–	2 0.3 5.–	2 0.2 4.5	2 0.2 4.8	2 0.2 4.9	2 0.3 4.6	2 0.2 4.6	2 0.3 4.6	2 0.3 4.6	2 0.3 4.8	2 0.2 4.6	27
28	2 0.2 4.5	2 0.2 4.5	.. ..	2 0.2 5.–	2 0.2 4.7	2 0.1 4.5	.. ..	2 0.1 5.–	2 0.2 4.6	2 0.2 4.7	.. ..	2 0.1 4.8	28
29	2 0.2 5.–	2 0.2 5.–	2 0.2 5.–	.. ..	2 0.1 5.–	2 0.1 5.–	2 0.1 5.–	.. ..	2 0.1 4.8	2 0.1 4.8	2 0.1 4.6	.. ..	29
30	.. ..	.. ..	.. ..	.. ..	2 0.2 5.0	2 0.3 5.0	2 0.2 4.9	2 0.3 4.8	2 0.2 4.5	2 0.3 4.8	2 0.3 4.6	2 0.3 4.8	30
31	.. ..	.. ..	.. ..	2 0.2 4.2	.. ..	.. ..	.. ..	2 0.2 4.4	.. ..	.. ..	.. ..	2 0.2 4.5	31

Microseisms. Scoresbysund

1957 Aug.	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 Aug.
1	2 0.2 4.–	2 0.2 4.–	2 0.2 4.–	2 0.2 4.–	2 0.2 4.1	2 0.2 4.0	2 0.2 4.1	2 0.1 4.–	2 0.2 4.3	2 0.1 4.2	2 0.1 4.–	2 0.1 4.–	1
2	2 0.2 5.–	2 0.2 5.–	.. ..	2 0.3 4.5	2 0.1 4.–	2 0.1 4.–	2 0.1 4.–	2 0.2 4.0	2 0.1 4.2	2 0.1 4.3	2 0.1 4.2	2 0.2 4.2	2
3	2 0.3 4.3	2 0.3 4.4	2 0.3 4.3	2 0.3 4.3	2 0.2 4.0	2 0.2 4.1	2 0.2 4.0	2 0.2 4.2	2 0.2 4.2	2 0.2 4.3	2 0.2 4.2	2 0.1 4.4	3
4	2 0.3 4.5	2 0.2 4.–	2 0.2 4.–	2 0.2 4.–	2 0.1 4.2	2 0.1 4.–	2 0.1 4.–	2 0.1 4.–	2 0.1 4.1	2 0.1 4.1	2 0.1 4.–	2 0.1 4.3	4
5	2 0.2 4.–	2 0.2 4.–	2 0.2 4.–	2 0.2 4.–	2 0.1 4.–	.. ..	2 0.1 4.–	2 0.1 4.–	2 0.1 4.–	.. ..	2 0.1 4.–	2 0.1 4.–	5
6	0.1	0.1	0.1	0.1	2 0.1 5.–	2 0.1 5.–	2 0.1 5.–	2 0.1 5.–	2 0.1 4.–	2 0.1 4.5	2 0.1 4.5	2 0.1 5.–	6
7	0.1	0.1	0.1	0.1	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.–	7
8	0.1	0.1	0.1	0.1	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.–	8
9	0.1	0.1	0.1	0.1	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.–	9
10	0.1	0.1	0.1	2 0.1 4.–	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.–	10
11	2 0.2 4.–	2 0.2 5.–	2 0.2 5.–	2 0.2 5.–	2 0.1 5.–	2 0.2 4.8	2 0.2 4.8	2 0.2 4.8	2 0.2 4.9	2 0.2 4.8	2 0.2 4.9	2 0.2 4.8	11
12	2 0.2 5.–	2 0.2 5.–	2 0.2 5.–	2 0.2 5.–	2 0.2 4.8	2 0.3 4.7	2 0.3 4.8	0.2	2 0.2 5.0	2 0.2 4.9	2 0.3 4.9	2 0.2 5.0	12
13	2 0.2 5.–	2 0.2 5.–	2 0.2 5.–	2 0.2 5.–	0.1	0.1	0.1	0.1	2 0.2 5.0	2 0.2 5.0	2 0.2 4.8	2 0.2 4.7	13
14	2 0.2 5.–	2 0.2 5.–	2 0.2 5.–	2 0.2 4.–	0.1	0.1	0.1	.. ..	2 0.1 4.8	2 0.1 4.7	2 0.1 4.7	2 0.1 4.6	14
15	2 0.2 4.–	2 0.2 4.–	2 0.2 4.–	2 0.2 4.–	.. ..	.. ..	.. ..	2 0.1 4.–	2 0.2 4.5	2 0.2 4.4	2 0.2 4.5	2 0.1 4.4	15
16	.. ..	2 0.2 4.–	2 0.3 4.–	.. ..	.. ..	2 0.1 4.4	2 0.2 4.3	.. ..	.. ..	2 0.1 4.–	2 0.1 4.–	.. ..	16
17	.. ..	2 0.4 4.4	2 0.4 4.2	2 0.4 4.3	.. ..	2 0.3 4.1	2 0.4 4.3	2 0.4 4.2	.. ..	2 0.2 4.1	2 0.4 4.1	2 0.4 4.3	17
18	2 0.4 4.3	2 0.5 4.2	2 0.6 4.1	2 0.6 4.2	2 0.5 4.1	2 0.5 4.2	2 0.5 4.2	2 0.5 4.1	2 0.5 4.2	2 0.5 4.3	2 0.6 4.1	2 0.6 4.1	18
19	2 0.6 4.2	2 0.5 4.1	2 0.5 4.1	2 0.4 4.3	2 0.4 4.2	2 0.4 4.2	2 0.4 4.1	2 0.3 4.3	2 0.4 4.2	2 0.4 4.2	2 0.4 4.3	2 0.2 4.2	19
20	2 0.4 4.3	2 0.3 4.2	2 0.3 4.3	2 0.3 4.4	2 0.2 4.2	2 0.2 4.3	2 0.2 4.4	2 0.2 4.2	2 0.2 4.3	2 0.2 4.3	2 0.2 4.5	2 0.2 4.4	20
21	2 0.3 4.5	2 0.4 4.6	2 0.4 4.7	2 0.7 4.8	2 0.2 4.4	2 0.3 4.6	2 0.3 4.6	2 0.5 4.9	2 0.2 4.5	2 0.2 4.6	2 0.3 4.8	2 0.6 5.0	21
22	1 1.1 4.9	1 1.6 4.7	1 1.9 4.8	1 1.6 4.9	1 1.1 4.8	1 1.1 4.7	1 1.3 4.8	1 1.2 4.8	1 0.6 4.9	1 0.8 4.7	1 1.2 4.6	1 1.1 4.7	22
23	1 1.3 4.8	1 1.1 4.8	2 0.9 4.8	.. ..	1 1.2 4.9	1 0.9 5.0	1 0.7 5.0	2 0.7 5.0	1 0.9 4.9	1 0.8 4.8	1 0.7 4.8	1 0.7 5.0	23
24	.. ..	.. ..	.. ..	.. ..	1 0.5 5.0	1 0.5 5.2	1 0.6 5.5	1 0.8 5.7	1 0.7 5.2	1 0.6 5.1	1 0.7 5.1	1 0.8 5.3	24
25	.. ..	.. ..	.. ..	.. ..	1 0.9 5.7	1 1.1 5.8	1 1.1 5.6	1 0.8 5.7	1 0.8 5.3	1 0.8 5.4	1 0.8 5.4	1 0.7 5.5	25
26	.. ..	.. ..	.. ..	.. ..	2 0.6 5.6	2 0.5 5.2	.. ..	2 0.4 5.2	2 0.6 5.3	2 0.5 5.0	.. ..	2 0.4 5.0	26
27	.. ..	.. ..	.. ..	.. ..	2 0.4 5.0	2 0.3 5.1	2 0.2 5.0	2 0.2 4.8	2 0.3 5.0	2 0.2 4.8	2 0.2 5.0	2 0.2 4.6	27
28	.. ..	.. ..	.. ..	2 0.6 4.5	2 0.2 4.6	2 0.2 4.4	2 0.3 4.3	2 0.4 4.4	2 0.2 4.6	2 0.2 4.4	2 0.2 4.4	2 0.4 4.4	28
29	2 0.5 4.4	2 0.4 4.5	2 0.4 4.4	.. ..	2 0.4 4.3	2 0.2 4.5	2 0.2 4.5	2 0.3 4.3	2 0.3 4.3	2 0.3 4.3	2 0.2 4.4	2 0.3 4.3	29
30	.. ..	.. ..	.. ..	.. ..	2 0.4 4.5	2 0.4 4.4	2 0.5 4.6	2 0.5 4.7	2 0.5 4.5	2 0.6 4.8	2 0.6 4.8	2 0.5 4.8	30
31	.. ..	.. ..	.. ..	2 0.4 4.7	2 0.4 4.7	2 0.3 4.8	2 0.3 5.0	2 0.3 4.8	2 0.5 5.0	2 0.5 4.8	2 0.3 4.7	2 0.3 4.9	31

Microseisms. Scoresbysund

1957	*Z*				*N*				*E*				1957
Sept.	0^h	6^h	12^h	18^h	0^h	6^h	12^h	18^h	0^h	6^h	12^h	18^h	Sept.
1	2 0.3 4.3	2 0.3 4.3	2 0.3 5.0	2 0.3 5.0	2 0.4 4.6	2 0.4 4.7	2 0.4 4.8	2 0.4 4.8	2 0.4 4.3	2 0.3 4.5	2 0.4 4.3	2 0.4 4.4	1
2	.. ..	.. ..	.. ..	.. ..	2 0.2 4.6	2 0.3 4.8	2 0.2 4.7	2 0.2 4.5	2 0.4 4.5	.. ..	.. ..	.. ..	2
3	.. ..	.. ..	.. ..	.. ..	2 0.2 4.5	2 0.2 4.5	2 0.2 4.5	2 0.2 4.3	.. ..	.. ..	.. ..	2 0.3 4.2	3
4	.. ..	.. ..	.. ..	.. ..	2 0.2 4.2	2 0.2 4.2	2 0.2 4.2	2 0.2 4.3	2 0.2 4.2	.. ..	.. ..	2 0.2 4.4	4
5	.. ..	.. ..	.. ..	2 0.4 4.8	2 0.2 4.3	2 0.3 4.2	2 0.3 4.3	2 0.4 4.6	2 0.2 4.1	2 0.2 4.1	2 0.3 4.4	2 0.4 4.5	5
6	2 0.5 4.4	2 0.5 4.4	2 0.4 4.3	.. ..	2 0.6 4.7	2 0.5 4.5	2 0.3 4.3	2 0.3 4.6	2 0.5 4.6	2 0.5 4.2	2 0.3 4.1	2 0.3 4.3	6
7	.. ..	.. ..	.. ..	2 0.9 4.4	2 0.3 4.1	2 0.9 5.0	2 0.7 4.3	2 0.6 4.5	2 0.3 4.1	2 0.5 5.1	2 0.5 4.6	2 0.7 4.0	7
8	2 1.0 4.1	1 1.4 4.6	1 2.0 5.3	1 3.5 5.2	2 0.6 4.9	1 1.1 4.9	1 1.5 5.5	1 2.0 5.3	2 0.7 4.6	1 1.2 5.2	1 1.7 5.2	1 3.0 5.4	8
9	1 2.8 5.3	1 2.3 5.1	1 1.7 5.0	2 1.2 5.0	1 2.0 5.1	1 1.5 5.4	1 1.2 4.6	1 1.0 5.3	1 2.6 4.9	1 1.8 5.2	1 1.8 5.1	1 1.1 5.0	9
10	2 1.0 5.0	2 1.0 4.4	2 1.0 4.8	1 1.0 4.9	2 0.8 5.0	2 0.8 5.0	2 0.9 4.8	2 0.7 5.0	1 0.9 4.9	1 1.0 4.7	1 0.8 4.9	1 0.9 5.1	10
11	2 0.7 4.8	2 0.9 4.7	2 0.7 4.3	2 0.8 4.5	2 0.7 4.9	2 0.7 4.7	2 0.7 4.5	2 0.7 4.4	1 0.9 5.0	2 0.8 4.6	2 0.7 4.7	2 0.8 4.3	11
12	2 0.7 4.4	2 0.8 4.4	2 1.0 4.6	3 1.3 4.4	2 0.7 4.6	2 0.8 4.4	2 0.8 4.3	3 0.9 5.1	2 0.8 4.4	2 0.8 4.5	2 0.8 4.6	3 1.0 5.1	12
13	3 1.2 4.5	3 1.3 4.5	3 1.0 4.6	3 1.2 4.2	3 0.7 5.1	3 0.8 4.7	3 0.9 4.8	3 0.7 4.6	3 1.1 4.8	3 1.0 4.8	3 0.9 4.8	3 1.1 4.6	13
14	3 1.2 4.4	3 1.5 4.8	3 2.0 4.9	.. ..	3 1.0 4.7	3 1.0 5.0	3 1.4 5.1	3 1.6 5.6	3 1.2 4.8	3 1.2 4.7	3 1.2 5.3	3 1.5 5.8	14
15	.. ..	.. ..	.. ..	.. ..	3 2.0 5.5	3 1.8 5.6	.. ..	3 2.0 5.4	3 1.6 5.4	3 1.5 5.0	.. ..	3 1.7 4.9	15
16	.. ..	.. ..	3 2.0 5.2	3 1.8 4.7	3 2.0 5.0	3 2.0 5.1	3 1.6 5.4	3 1.5 5.2	3 2.0 4.8	1 1.7 5.0	1 1.5 4.9	1 1.8 5.3	16
17	2 1.1 4.9	2 1.2 5.0	2 1.2 4.8	2 1.0 4.8	2 1.2 5.0	2 1.0 5.0	2 0.8 4.8	2 0.9 4.9	1 1.5 4.8	2 1.3 4.6	2 1.0 4.8	2 1.0 5.1	17
18	2 0.6 4.6	2 0.7 4.5	2 0.5 4.5	2 0.5 4.4	2 0.7 4.7	2 0.5 4.6	2 0.5 4.4	2 0.5 4.6	2 0.7 4.9	2 0.7 4.7	2 0.6 4.5	2 0.5 4.5	18
19	2 0.5 4.2	2 0.4 4.2	2 0.4 4.5	2 0.3 4.5	2 0.5 4.5	2 0.4 4.2	2 0.3 4.3	2 0.3 4.3	2 0.4 4.6	2 0.4 4.5	2 0.4 4.3	2 0.3 4.3	19
20	2 0.3 4.8	2 0.5 5.3	3 0.6 6.1	1 1.0 5.9	2 0.3 4.6	2 0.5 5.6	3 0.8 6.0	1 1.0 6.0	2 0.3 5.1	2 0.6 5.8	2 0.7 5.9	1 1.1 6.0	20
21	1 1.3 6.2	1 1.1 6.0	1 1.3 6.0	.. ..	1 1.2 6.1	1 1.0 6.0	1 1.0 6.0	.. ..	1 1.1 6.0	1 1.0 6.0	1 1.0 6.2	.. ..	21
22	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	22
23	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	23
24	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	24
25	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	25
26	2 0.3 4.5	2 0.4 4.3	.. ..	.. ..	2 0.4 4.3	2 0.5 4.4	2 0.6 4.0	2 0.9 4.0	3 0.4 4.6	3 0.4 4.2	3 0.6 3.8	3 0.6 4.0	26
27	.. ..	.. ..	.. ..	.. ..	2 0.8 4.5	2 0.8 4.6	2 1.0 4.8	2 0.9 5.2	3 0.7 4.3	3 0.9 4.3	3 1.0 5.0	1 1.0 5.5	27
28	.. ..	.. ..	.. ..	.. ..	3 1.0 4.8	3 0.9 4.7	1 1.0 5.4	1 1.1 5.4	1 0.8 5.3	1 1.0 5.0	1 1.5 5.5	1 1.5 5.4	28
29	.. ..	.. ..	.. ..	3 0.5 4.0	1 0.9 5.2	2 0.7 5.3	2 0.6 4.9	3 0.5 4.6	1 1.0 5.0	2 0.7 5.0	2 0.6 4.7	3 0.6 4.5	29
30	3 0.8 4.7	3 0.9 4.8	3 0.8 4.5	3 1.0 4.6	3 0.9 4.5	3 0.9 4.4	3 0.6 4.5	3 0.8 4.6	3 1.0 4.4	3 0.9 4.6	3 0.9 4.7	3 0.8 4.5	30

Microseisms. Scoresbysund

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	3 1.0 4.9	.. ..	.. ..	.. ..	3 0.8 4.8	3 0.8 4.9	3 0.8 4.9	2 0.7 4.3	3 0.9 4.8	3 0.7 4.6	3 0.6 4.5	3 0.7 4.2	1
2	2 0.7 4.1	2 0.6 4.3	2 0.6 4.9	2 0.4 4.8	2 0.6 5.0	2 0.5 4.6	2 0.5 4.9	2 0.4 4.8	2 0.7 4.5	2 0.6 4.5	2 0.5 4.8	2 0.4 4.7	2
3	2 0.4 5.2	2 0.3 5.0	2 0.2 4.8	2 0.2 4.6	2 0.4 5.1	2 0.3 4.8	2 0.3 4.4	2 0.2 4.5	2 0.3 4.8	2 0.3 4.8	2 0.3 4.5	2 0.2 4.5	3
4	2 0.3 5.0	.. ..	2 0.3 4.8	2 0.3 4.7	2 0.3 4.6	.. ..	2 0.3 5.0	2 0.3 4.7	2 0.4 4.7	.. ..	2 0.4 5.0	2 0.4 5.0	4
5	2 0.3 4.9	2 0.3 4.6	2 0.3 5.1	2 0.4 4.5	2 0.3 4.9	2 0.3 4.8	2 0.3 5.0	2 0.3 4.8	2 0.4 4.8	2 0.3 4.7	2 0.3 4.8	2 0.4 4.6	5
6	2 0.7 5.0	1 3.0 5.0	1 4.5 5.6	1 5.– 6.0	2 0.8 5.0	1 1.8 4.8	1 3.– 5.1	1 3.– 5.–	2 1.0 5.2	1 2.5 5.0	1 3.0 5.0	1 3.– 5.6	6
7	1 5.– 5.9	1 7.– 5.8	1 7.– 5.3	1 7.– 5.5	1 4.– 6.0	1 4.– 6.0	1 5.– 6.–	1 5.– 6.–	1 4.– 6.0	1 5.– 5.8	1 5.– 5.9	1 4.– 5.6	7
8	.. ..	.. ..	.. ..	.. ..	1 4.– 5.0	1 3.– 5.5	3 2.2 5.2	3 2.0 5.0	1 4.– 5.8	1 3.– 5.7	1 3.– 5.6	3 2.5 5.2	8
9	.. ..	.. ..	3 2.0 5.8	3 2.2 4.6	3 1.8 5.0	3 2.0 5.5	3 2.0 5.9	3 2.2 5.4	1 2.3 4.8	1 2.0 5.4	3 2.5 5.5	3 2.2 5.3	9
10	3 2.0 4.5	3 2.3 4.4	3 2.0 4.5	1 2.1 4.8	3 1.8 5.0	3 2.0 5.0	3 1.8 5.0	3 1.8 4.8	3 1.6 4.6	3 1.7 4.9	3 1.5 5.0	1 1.6 5.0	10
11	1 2.5 4.4	1 2.5 5.0	1 2.3 4.8	.. ..	1 2.1 4.8	1 2.2 5.1	1 1.8 4.6	.. ..	1 2.0 4.8	1 1.8 5.1	1 1.8 4.9	.. ..	11
12	.. ..	.. ..	3 0.4 4.2	1 1.0 4.1	2 1.1 4.8	2 1.1 5.0	3 1.0 4.2	1 0.8 4.4	1 0.9 5.0	1 1.0 5.0	3 0.6 3.8	1 0.8 3.7	12
13	1 1.8 3.9	1 1.3 3.9	1 1.8 4.5	1 1.4 4.2	1 1.2 3.8	1 1.1 4.0	1 1.4 4.1	1 1.3 4.3	1 1.1 4.1	1 1.3 3.9	1 1.1 4.3	.. ..	13
14	1 1.8 5.4	1 1.8 4.8	1 3.0 5.4	.. ..	1 1.5 4.8	1 1.7 5.7	1 2.0 6.0	1 5.– 6.5	.. ..	.. ..	.. ..	.. ..	14
15	1 5.– 5.8	1 5.– 5.9	1 4.– 5.9	.. ..	1 5.– 6.2	1 4.– 6.3	1 3.– 5.8	1 2.5 6.0	1 5.– 6.5	1 4.– 6.–	1 3.– 6.–	1 3.– 6.–	15
16	.. ..	.. ..	.. ..	.. ..	3 2.2 5.5	3 1.9 6.0	1 1.9 5.0	1 2.3 5.3	1 1.5 6.2	1 2.1 5.5	1 2.2 6.0	1 3.0 5.2	16
17	.. ..	.. ..	.. ..	.. ..	1 2.7 5.0	1 2.0 5.3	1 1.5 5.3	1 1.7 5.0	1 2.5 5.7	1 2.0 5.5	1 1.6 4.8	1 1.5 4.9	17
18	.. ..	.. ..	.. ..	.. ..	1 1.3 5.5	1 1.5 5.5	1 1.9 5.5	1 1.6 5.5	1 1.6 5.1	1 2.0 5.8	1 1.4 5.3	1 1.6 5.0	18
19	3 2.0 4.5	3 1.4 4.0	1 2.2 3.7	.. ..	3 1.8 4.7	3 1.7 4.2	3 1.5 4.1	1 1.5 4.0	1 1.4 5.0	3 1.4 3.5	1 1.6 3.4	1 1.8 3.8	19
20	.. ..	.. ..	.. ..	.. ..	1 1.6 4.8	1 1.8 4.4	1 2.2 4.7	1 3.0 5.0	1 1.7 4.3	1 2.0 5.2	1 2.0 4.2	1 3.5 4.5	20
21	.. ..	.. ..	.. ..	.. ..	1 2.5 4.9	1 2.0 5.3	1 2.0 5.1	3 1.4 5.2	1 3.3 5.2	1 2.5 4.6	3 2.0 4.9	3 1.2 5.0	21
22	.. ..	.. ..	.. ..	.. ..	3 0.7 5.4	3 0.8 5.0	3 0.7 5.2	3 0.6 5.2	3 0.9 5.4	3 0.9 5.4	3 0.8 4.8	3 0.9 4.5	22
23	.. ..	.. ..	.. ..	.. ..	3 1.2 5.1	1 2.2 4.8	1 2.4 4.8	1 4.– 5.6	1 1.0 5.5	1 2.0 4.9	1 3.2 5.4	1 3.0 5.3	23
24	1 4.5 5.6	.. ..	.. ..	.. ..	1 3.– 5.0	1 4.– 5.6	1 5.– 5.4	1 5.– 5.5	1 3.– 5.5	1 3.– 5.5	1 4.– 5.5	1 5.– 5.5	24
25	.. ..	.. ..	.. ..	.. ..	1 6.– 5.5	1 5.– 5.5	1 5.– 5.0	1 4.– 4.8	1 6.– 5.5	1 5.– 5.5	1 4.– 5.0	1 4.– 4.8	25
26	.. ..	.. ..	.. ..	.. ..	1 3.5 5.0	1 3.0 5.0	1 3.0 5.5	1 2.5 5.5	1 3.5 5.2	1 3.5 5.5	1 3.0 5.2	1 2.5 5.0	26
27	3 1.8 5.0	1 3.5 5.0	1 5.– 4.8	1 5.– 5.2	1 2.5 5.0	1 2.5 5.0	1 4.– 5.0	1 4.– 5.5	1 2.0 5.0	1 2.0 5.0	1 5.– 5.0	.. ..	27
28	1 5.– 6.–	1 6.– 5.5	1 8.– 6.0	1 7.– 6.0	1 5.– 6.–	1 6.– 6.–	1 6.– 6.–	1 5.– 6.–	.. ..	.. ..	.. ..	1 5.– 6.0	28
29	1 4.– 6.0	1 4.– 5.5	1 4.– 5.5	1 3.5 5.5	1 4.– 6.0	1 3.– 6.0	1 2.5 5.5	1 2.5 5.5	1 4.– 6.0	1 4.– 5.5	1 3.– 5.5	1 2.5 5.5	29
30	1 2.5 5.2	1 2.0 3.8	3 2.0 3.6	3 1.8 4.1	1 2.0 5.5	1 1.5 4.4	1 3.5 4.5	3 1.5 5.–	1 2.2 5.3	1 2.0 4.8	.. ..	.. ..	30
31	3 1.8 4.8	1 4.– 6.5	.. ..	.. ..	3 1.8 5.–	1 4.– 6.–	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	31

Microseisms. Scoresbysund

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 5.– 7.–	1 4.– 7.–	1 4.– 6.5	1 3.– 6.0	.. ..	.. ..	.. ..	3 3.– 7.–	1
2	1 2.2 5.5	1 3.5 5.3	1 3.2 5.9	1 4.0 5.5	3 1.6 5.7	1 2.2 5.8	1 2.3 6.0	1 3.5 6.0	.. ..	.. ..	.. ..	1 3.5 6.0	2
3	1 5.– 6.0	1 4.– 5.6	1 3.– 6.0	1 2.7 6.0	1 3.– 6.5	1 4.– 6.0	1 4.– 6.0	1 2.0 6.0	.. ..	.. ..	.. ..	1 2.3 6.5	3
4	1 2.0 6.0	1 2.5 5.7	1 1.8 6.0	1 1.5 6.0	1 1.6 6.0	1 1.4 6.0	1 1.4 6.0	1 1.5 6.0	.. ..	1 2.5 6.0	.. ..	1 1.3 5.5	4
5	1 1.5 5.5	1 1.8 5.3	1 2.0 5.8	1 2.0 5.4	1 1.0 5.5	1 1.4 6.0	1 1.5 6.0	1 1.5 5.3	.. ..	.. ..	.. ..	1 1.5 5.3	5
6	3 2.5 6.0	3 2.0 5.5	3 1.2 5.6	3 1.0 5.5	1 1.5 5.5	3 1.5 6.0	3 1.2 5.5	3 0.8 6.0	1 2.0 6.0	.. ..	.. ..	1 1.0 5.8	6
7	3 1.0 5.5	3 1.3 5.1	.. ..	.. ..	3 0.8 6.0	3 1.1 5.4	3 1.0 5.1	3 1.7 4.5	3 1.2 6.5	3 1.2 5.3	3 1.2 5.5	.. ..	7
8	3 2.0 3.8	3 2.0 4.2	.. ..	.. ..	3 1.3 4.4	3 1.6 4.0	3 1.5 4.1	3 1.5 4.8	3 1.5 4.0	3 1.6 3.9	3 1.5 4.2	3 1.4 4.5	8
9	.. ..	.. ..	.. ..	1 2.0 6.0	1 2.0 5.8	1 2.0 5.5	1 1.5 5.8	1 2.0 6.–	1 2.5 6.0	1 1.5 6.0	1 2.0 5.5	1 2.0 6.5	9
10	1 2.0 5.8	1 3.– 6.0	1 4.– 6.2	1 2.0 5.6	1 3.– 6.2	1 3.– 7.–	1 3.– 7.–	1 2.0 6.5	1 3.– 6.5	1 3.– 6.5	.. ..	.. ..	10
11	3 1.8 5.6	3 1.0 5.6	3 0.8 5.–	3 1.0 5.–	1 2.0 6.–	3 1.1 6.–	3 1.0 6.–	3 0.8 5.5	1 1.5 5.6	3 1.0 6.0	3 0.8 5.5	3 0.7 5.3	11
12	3 0.8 4.7	3 0.7 4.8	2 0.5 4.6	2 0.5 4.8	3 0.8 5.3	2 0.6 4.9	2 0.6 4.7	2 0.6 4.8	3 0.7 5.3	3 0.5 4.8	3 0.5 4.8	3 0.5 4.9	12
13	3 0.5 4.0	.. ..	.. ..	.. ..	3 0.5 4.5	3 0.5 4.3	3 0.5 4.0	.. ..	3 0.5 4.3	3 0.5 4.4	3 0.5 4.2	.. ..	13
14	.. ..	.. ..	3 0.5 4.0	3 0.5 4.2	3 0.5 4.8	3 0.5 4.5	3 0.5 4.8	3 0.6 4.5	3 0.5 4.6	3 0.5 4.5	3 0.5 4.5	3 0.5 4.5	14
15	.. ..	.. ..	.. ..	.. ..	2 0.6 5.5	2 0.6 6.0	2 0.6 6.0	2 0.6 5.5	2 0.4 5.0	2 0.4 5.5	2 0.4 5.4	2 0.4 5.7	15
16	.. ..	.. ..	.. ..	.. ..	2 0.6 5.0	2 0.6 5.3	2 0.6 5.5	2 0.7 5.3	2 0.5 5.5	2 0.5 5.5	2 0.5 5.5	2 0.6 5.5	16
17	.. ..	.. ..	.. ..	.. ..	2 0.6 5.0	2 0.6 5.0	2 0.6 5.4	2 0.8 4.9	2 0.6 5.5	2 0.6 5.0	2 0.6 5.5	2 0.6 5.0	17
18	.. ..	.. ..	.. ..	.. ..	3 1.2 4.5	1 3.– 6.–	1 3.– 6.–	.. ..	3 1.2 4.7	1 3.– 6.–	1 3.– 6.–	.. ..	18
19	3 2.5 6.5	.. ..	.. ..	.. ..	1 3.– 6.0	1 2.3 6.3	3 1.6 6.5	3 1.2 7.–	1 2.2 6.5	1 1.4 6.0	3 1.3 5.8	3 1.1 5.8	19
20	.. ..	.. ..	.. ..	.. ..	3 1.1 6.3	3 1.4 5.6	3 1.2 4.8	3 1.1 5.2	3 1.0 5.9	3 1.0 6.0	3 1.0 4.6	3 1.3 4.9	20
21	.. ..	.. ..	.. ..	.. ..	3 1.2 4.0	3 1.2 3.8	3 1.1 4.0	3 1.0 4.8	3 1.0 4.1	3 1.2 3.9	3 1.2 4.5	3 1.0 4.6	21
22	3 0.8 5.–	.. ..	.. ..	.. ..	3 1.0 4.5	3 1.2 4.0	3 1.2 4.3	3 1.2 4.7	3 0.6 3.7	3 0.8 3.9	3 0.8 4.6	3 1.0 4.8	22
23	2 1.2 4.9	2 1.0 4.3	2 0.8 4.5	2 0.6 3.7	2 0.9 5.0	2 0.8 5.0	2 0.8 4.7	2 0.6 4.0	2 0.7 4.6	2 0.6 4.9	2 0.6 4.8	2 0.5 4.4	23
24	2 0.6 3.6	2 0.6 3.8	2 0.6 4.0	2 0.8 4.0	2 0.5 3.8	2 0.5 4.3	2 0.6 4.5	2 0.6 4.3	2 0.5 4.2	2 0.5 4.2	2 0.5 4.4	2 0.5 4.6	24
25	1 1.0 4.2	1 1.4 3.6	1 3.0 4.0	1 2.5 4.1	2 0.8 4.6	1 1.2 4.8	1 1.6 4.5	1 1.8 4.6	3 0.9 4.5	1 0.9 4.5	1 1.3 4.5	1 1.5 4.3	25
26	.. ..	.. ..	.. ..	.. ..	3 1.4 4.5	3 1.5 4.3	.. ..	1 2.0 4.5	3 1.3 5.2	1 1.2 4.9	.. ..	1 1.8 5.0	26
27	.. ..	.. ..	.. ..	.. ..	1 2.2 5.8	1 3.– 6.2	1 4.– 6.0	1 4.– 6.0	1 2.0 5.2	1 3.– 6.5	1 3.– 6.5	1 3.– 6.5	27
28	.. ..	.. ..	.. ..	.. ..	1 4.– 6.5	1 3.– 5.7	1 2.2 5.8	1 2.5 5.7	1 3.– 6.5	1 2.3 6.0	1 1.8 5.8	1 2.5 5.8	28
29	.. ..	.. ..	.. ..	.. ..	1 3.– 5.9	3 1.8 4.1	3 2.1 4.8	3 2.0 4.4	1 2.0 5.5	3 1.8 4.0	3 1.8 4.3	3 1.5 4.5	29
30	.. ..	.. ..	.. ..	.. ..	.. ..	1 2.0 5.4	1 1.7 4.8	3 1.0 4.2	.. ..	3 1.4 4.5	3 1.2 4.5	3 1.0 4.1	30

Microseisms. Scoresbysund

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