

GEODÆTISK INSTITUT

Proviantgården · Copenhagen · Denmark

Bulletin of the seismological station

**N O R D**

$\varphi = 81^{\circ}36' N.$      $\lambda = 16^{\circ}41' W.$      $h = 35$  m.

Lithologic foundation: calcareous greywacke

**Instruments**

Willmore.     $Z.$      $T_p = 1$  sec,     $T_g = 1/4$  sec.    No attenuation.

Strobach.     $N$  and  $E.$      $T = 6$  sec,     $\nu = 15:1,$      $V_0 = 500.$     (Belongs to Geophysikalisches Institut, Hamburg.)

**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. For  $N$  and  $E$  the amplitudes given are single ground amplitudes. For  $Z$  trace amplitudes are given. + indicates ground motion towards the north, towards the east, or upwards. — indicates the opposite direction.

**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.

Nord 1959

July

1 *iP·Z* 2<sup>h</sup>38<sup>m</sup>05<sup>s</sup>  
*iS·NE* 46 33 N: +, E: +.  
 $\Delta = 70^\circ$ .  $h = 550$  km. Bonin Island region.

2 *i·Z* 13 34 08

3 *eP·Z* 5 28 34  
 $\Delta = 39^\circ$ . Kodiak Island region.

3 *iZ* 12 42 46 0.4 mm  
*iZ* 42 46.4 6 mm.  
*iZ* 42 49 7 mm.  
 Near.

3 *ePPS·NE* 18 25 10  
*eSS·N* 31 44  
 $\Delta = 114^\circ$ . New Hebrides Islands.

4 *eP·Z* 7 43 12  
*e·S* 44 57  
*i·Z* 45 03  
*L·NE* 46  
 $\Delta = 10^\circ$ . Arctic Ocean.

5 *iP·Z* 21 44 04  
*iS·Z* 44 24 1.5 mm.  
 $\Delta = 2^\circ$ .

6 *ePKP·Z* 9 27 46  
*iSKS·NE* 33 29  
*iSKKS·NE* 34 32  
*eS·NE* 35 12  
*eSP·NE* 37 02  
*iPKKP·Z* 38 47  
*iPKKP·Z* 39 00  
*eSS·NE* 43 12  
 $\Delta = 110^\circ$ .  $h = 600$  km. Argentina.

6 *iPKP·Z* 9 40 56  
*iSKS·NE* 43 38  
*iSKKS·NE* 47 43  
*iS·NE* 48 17  
*eSP·NE* 50 04  
*iPKKP·Z* 51 57  
*iPKKP·Z* 52 10  
*eSS·N* 56 23  
 Repetition.

7 *i·Z* 4 17 21

8 *eP·Z* 2 06 37  
*L·NE* 10.4  
 Near east coast of Greenland.

9 *iP·Z* 1 42 39  
*iS·Z* 43 00

July

9 *eP·Z* 3<sup>h</sup>55<sup>m</sup>52<sup>s</sup>  
*eS·Z* 56 17

9 *eP·Z* 16 20.8  
*e·Z* 24.0  
 $\Delta = 105^\circ$ .  $h = 100$  km. Chile-Bolivia border.

11 *eP·Z* 5 33 54  
*i·Z* 34 08  
*i·Z* 34 11  
 Near.

11 *ePKP·Z* 12 20 46  
*L·NE* 63  
 $\Delta = 126^\circ$ . Indian Ocean.

12 *iP·Z* 17 01 04  
 $\Delta = 48^\circ$ . Aegean Sea.

12 *eP·Z* 1 41 43  
*iS·ZNE* 43 37  
*L·NE* 44 17  
 $\Delta = 10^{1/2}^\circ$ . Jan Mayen Island.

13 *iP·Z* 12 37 11  
*i·Z* 38 47  
*e·NE* 39 37  
*e·E* 41 27  
*ePcS·N* 42 47  
*eS·NE* 43 52  
*eScS·NE* 47 04  
*L·NE* 51  
 $\Delta = 46^\circ$ . Aleutian Islands.

14 *eP·Z* 0 08 28  
 $\Delta = 47^\circ$ . Aleutian Islands.

14 *e·Z* 6 11 18  
 Near.

14 *eP·Z* 11 41 26  
 $\Delta = 40^\circ$ .  $h$  abt. 60 km. Alaska.

15 *e·Z* 5 31 26  
 Near.

15 *e·Z* 9 37 07  
 Near.

15 *e·Z* 12 57 00

15 *e·Z* 14 50 44  
 Near. Similar to 15<sup>d</sup>09<sup>h</sup>.

16 *i·Z* 12 27 30  
 Near.

16 *e·Z* 15 26 04  
 $\Delta = 48^\circ$ . Aleutian Islands.

Nord 1959

July

18 *iP·ZNE* 20<sup>h</sup>06<sup>m</sup>58<sup>s</sup>  
*e·NE* 08 00  
*iS·NE* 16 49 N: +, E: -.  
*eSSS·NE* 25 17  
*L·NE* 32  
 $\Delta = 81^\circ$ . *h* abt. 150 km. Philippine Islands.

19 *eP·Z* 15 19 38  
*iSKS·NE* 29 56  
*iPS·E* 32 46  
*L·NE* 51  
 $\Delta = 100^\circ$ . *h* = 200 km. Peru.

19 *eP·Z* 10 43 56  
*iS·ZNE* 44 22  
 $\Delta = 2^\circ$ .

20 *eP·Z* 2 54 02  
*ePP·ZNE* 58 20  
*iSKS·NE* 3 03 52  
*e·NE* 04 29  
*e·NE* 06 27  
*e·Z* 10 14  
*e·Z* 10 39  
 $\Delta = 101^\circ$ . *h* = 500 km. Java Sea

21 *eP·Z* 9 28 36  
 $\Delta = 66^\circ$ . Off Dominican Republic.

21 *eP·Z* 12 40 40  
*eS·NE* 50 10  
*SS·NE* 54.8  
*SSS·E* 58.5  
*L·NE* 13 08  
 $\Delta = 73^\circ$ . Near coast of Mexico.

21 *eP·Z* 13 15 03  
 $\Delta = 73^\circ$ . Repetition.

22 *iP·ZNE* 19 31 43  
*iS·NE* 37 38  
*iScS·E* 40 28  
 $\Delta = 45^\circ$ . *h* abt. 650 km. Sea of Okhotsk.

22 *ePP·N* 23 20 43  
*iSKS·NE* 27 05  
*PS·NE* 29.8  
*L·NE* 52  
 $\Delta = 103^\circ$ . *h* abt. 60 km. New Britain.

23 *eP·Z* 13 55 27  
 $\Delta = 60^\circ$ . Japan.

24 *eP·ZNE* 1 32 24  
*eS·NE* 39 54  
*L·NE* 49  
 $\Delta = 52^\circ$ . Off coast of California.

July

24 *ePKP·Z* 23<sup>h</sup>22<sup>m</sup>25<sup>s</sup>  
 $\Delta = 137^\circ$ . Sandwich Islands.

25 *eP·Z* 16 07 32  
 $\Delta = 48^\circ$ . Sakhalin.

26 *i·Z* 0 31 26  
 Near. Weak traces on N and E records.

26 *i·Z* 3 00 14  
 Repetition.

26 *eP·Z* 17 15 08  
 $\Delta = 43^\circ$ . Turkey.

August

7 *iP·ZNE* 21 53 05  
*eS·NE* 59 14  
*L·NE* 22 05  
 $\Delta = 41^\circ$ . Kodiak Island.

8 *eP·ZNE* 0 55 45  
*e·NE* 57 30  
*eS·NE* 1 02 14  
 $\Delta = 44^\circ$ . Kamchatka.

8 *eP·Z* 13 53 20  
 $\Delta = 52^\circ$ . Tadzhikistan, USSR.

9 *eP·Z* 2 48 08  
 $\Delta = 96^\circ$ . Halmahera.

11 *iP·ZE* 0 27 34 Z: +, E: +.  
*e·NE* 28.1  
*L·NE* 28.7  
 Near.

|             | P  | S  |
|-------------|--|--|
| 11 <i>e</i> | 6 <sup>h</sup> 18 <sup>m</sup> 52 <sup>s</sup> | <i>e</i> 20 <sup>m</sup> 43 <sup>s</sup> |
| 11 <i>e</i> | 7 02 53  | <i>e</i> 04 47                           |
| 11 <i>e</i> | 7 38 05  | <i>e</i> 39 57                           |
| 11 <i>e</i> | 7 48 44  | <i>e</i> 50 37                           |
| 11 <i>e</i> | 7 57 27  | <i>e</i> 58 20                           |
| 11 <i>e</i> | 8 07 14  |  |
| 11 <i>e</i> | 9 37 10  | <i>e</i> 39 00                           |
| 11 <i>e</i> | 12 22 00                                       | <i>e</i> 23.8                            |

$\Delta = 10^\circ$ . 8 shocks from Jan Mayen.

11 *e(P)·Z* 12<sup>h</sup>40<sup>m</sup>.4  
*e(S)·Z* 41.0  
 $\Delta = \text{abt. } 3^\circ$ .

### Nord 1959

August

|    | <i>P</i>   | <i>S</i>                                 |   |
|----|--|--|---|
| 11 | <i>e</i> 13 <sup>h</sup> 19 <sup>m</sup> 10 <sup>s</sup> | <i>e</i> 21 <sup>m</sup> 04 <sup>s</sup> |   |
| 11 | <i>e</i> 13 44 04  | <i>e</i> 45 58                           |   |
| 11 | <i>e</i> 14 22 31  | <i>e</i> 24 25                           |   |
| 11 | <i>e</i> 14 53 00  | <i>e</i> 55.1                            |   |
| 11 | <i>e</i> 15 06 22  | <i>e</i> 08 18                           |   |
| 11 | <i>e</i> 15 52 25  | <i>e</i> 54 17                           |   |
| 11 | <i>e</i> 16 14 18  | <i>e</i> 16 13                           |   |
| 11 | <i>e</i> 18 17 27  | <i>e</i> 19 19                           |   |
| 12 | <i>e</i> 1 34 33   | <i>e</i> 36 28                           |   |
| 12 | <i>e</i> 4 24 09   | <i>e</i> 26 03                           |   |
| 12 | <i>e</i> 5 07 13   | <i>e</i> 09 06                           |   |
|    | $\Delta = 10^\circ$ . 11 shocks from Jan Mayn.           |  |   |
| 12 | <i>ePS</i> · <i>NE</i>                                   | 10 <sup>h</sup> 27 <sup>m</sup> .7       |   |
|    | <i>eSS</i> · <i>NE</i>                                   | 34.1                                     |   |
|    | <i>L</i> · <i>NE</i>                                     | 52                                       |   |
|    | $\Delta = 114^\circ$ . Fiji Islands region.              |  |   |
| 13 | <i>eP</i> · <i>Z</i>                                     | 00 41 43                                 |   |
|    | $\Delta = 47^\circ$ . Azerbaijan SSR.                    |  |   |
| 13 | <i>iP</i> · <i>Z</i>                                     | 04 13 00                                 |   |
|    | <i>iS</i> · <i>Z</i>                                     | 13 28                                    |   |
|    | $\Delta = 2\frac{1}{2}^\circ$ .                          |  |   |
| 14 | <i>eP</i> · <i>Z</i>                                     | 04 52 39                                 |   |
|    | $\Delta = 97^\circ$ . Molucca Passage.                   |  |   |
| 14 | <i>eP</i> · <i>Z</i>                                     | 11 33 34                                 |   |
|    | <i>e(S)</i> · <i>ZNE</i>                                 | 33 54                                    |   |
|    | $\Delta = 2^\circ$ .                                     |  |   |
| 15 | <i>eP</i> · <i>Z</i>                                     | 06 31 08                                 |   |
|    | <i>e</i> · <i>Z</i>                                      | 23                                       |   |
|    | $\Delta = 42^\circ$ . Alaska Peninsula.                  |  |   |
| 15 | <i>iP</i> · <i>ZNE</i>                                   | 09 08 40                                 | C.  |
|    | <i>iS</i> · <i>NE</i>                                    | 18 09                                    |   |
|    | <i>L</i> · <i>NE</i>                                     | 30                                       |   |
|    | <i>M</i> · <i>NE</i>                                     | 43                                       | 20 <sup>s</sup> , N: 130 $\mu$ , E: 120 $\mu$ . |
|    | $\Delta = 73^\circ$ . <i>M</i> = 7.4. Formosa.           |  |   |
| 15 | <i>eP</i> · <i>Z</i>                                     | 10 47 49                                 |   |
|    | <i>e(S)</i> · <i>Z</i>                                   | 48 23                                    |   |
|    | $\Delta = 30$ .  |  |   |
| 15 | <i>e</i> · <i>Z</i>                                      | 13 33 38                                 |   |
| 15 | <i>eP</i> · <i>Z</i>                                     | 18 50 02                                 |   |
|    | $\Delta = 44^\circ$ . Kamchatka.                         |  |   |
| 15 | <i>e</i> · <i>Z</i>                                      | 15 53 33                                 |   |
|    | <i>e</i> · <i>Z</i>                                      | 53 55                                    |   |
| 16 | <i>L</i> · <i>NE</i>                                     | 1 57                                     |   |

August

|    |   |   |    |
|----|---|---|----|
| 16 | <i>e</i> · <i>Z</i>                               | 15 <sup>h</sup> 17 <sup>m</sup> 03 <sup>s</sup> |    |
|    | <i>e</i> · <i>Z</i>                               | 17 30   |    |
|    | Near.   |   |    |
| 16 | <i>e</i> · <i>Z</i>                               | 18 50 27  |    |
| 16 | <i>e</i> · <i>Z</i>                               | 23 07 46  |    |
| 17 | <i>iP</i> · <i>Z</i>                              | 1 41 12   | C. |
| 17 | <i>iP</i> · <i>Z</i>                              | 4 36 58   |    |
|    | $\Delta = 43^\circ$ . Albania.                    |   |    |
| 17 | <i>i(P)</i> · <i>Z</i>                            | 21 21 38  |    |
|    | Arctic?   |   |    |
| 17 | <i>cSKS</i> · <i>N</i>                            | 21 29 39  |    |
|    | <i>L</i> · <i>NE</i>                              | 54  |    |
|    | $\Delta = 106^\circ$ . Solomon Islands.           |   |    |
| 18 | <i>iP</i> · <i>Z</i>                              | 0 43 09   |    |
|    | $\Delta = 97^\circ$ . <i>h</i> = 200 km. Celebes. |   |    |
| 18 | <i>iP</i> · <i>Z</i>                              | 0 45 19   |    |
|    | <i>iPeP</i> · <i>Z</i>                            | 45 36   |    |
|    | $\Delta = 74^\circ$ . <i>h</i> = 200 km. Formosa. |   |    |
| 18 | <i>eP</i> · <i>ZNE</i>                            | 6 45 45   |    |
|    | <i>ePP</i> · <i>E</i>                             | 47 38   |    |
|    | <i>eS</i> · <i>NE</i>                             | 52 33   |    |
|    | <i>eSS</i> · <i>NE</i>                            | 55 42   |    |
|    | <i>L</i> · <i>NE</i>                              | 7 01  |    |
|    | $\Delta = 47^\circ$ . Montana.                    |   |    |
| 18 | <i>eP</i> · <i>Z</i>                              | 8 04 49   |    |
|    | <i>L</i> · <i>NE</i>                              | 20  |    |
|    | Repetition.                                       |   |    |
| 18 | <i>L</i> · <i>NE</i>                              | 9 05  |    |
| 18 | <i>L</i> · <i>NE</i>                              | 11 28   |    |
| 18 | <i>eP</i> · <i>ZE</i>                             | 15 34 35  |    |
|    | <i>iPP</i> · <i>E</i>                             | 36 28   |    |
|    | <i>eS</i> · <i>NE</i>                             | 41 25   |    |
|    | <i>eSS</i> · <i>NE</i>                            | 44 37   |    |
|    | <i>L</i> · <i>NE</i>                              | 49  |    |
|    | $\Delta = 47^\circ$ . Montana.                    |   |    |
| 18 | <i>e</i> · <i>Z</i>                               | 18 21 04  |    |
| 19 | <i>eP</i> · <i>E</i>                              | 4 12 34   |    |
|    | <i>eS</i> · <i>E</i>                              | 19 24   |    |
|    | <i>L</i> · <i>N</i>                               | 27.6  |    |
|    | $\Delta = 47^\circ$ . Montana.                    |   |    |
| 19 | <i>e</i> · <i>Z</i>                               | 15 59 57  |    |

### Nord 1959

| August |                      |                                 |  |    |                     |   |              |
|--------|----------------------|---------------------------------|--|----|---------------------|---|--------------|
| 19     | <i>L·N</i>           | 19 <sup>h</sup> 30 <sup>m</sup> |  | 24 | <i>e·Z</i>          | 17 <sup>h</sup> 42 <sup>m</sup> 11 <sup>s</sup> |              |
| 19     | <i>L·N</i>           | 20 07                           |  | 25 | <i>e(P)·Z</i>       | 0 40 21   |              |
| 20     | <i>e(P)·Z</i>        | 12 53 31                        |  |    | <i>e(S)·Z</i>       | 40 55   |              |
|        | <i>e(S)·Z</i>        | 54 06                           |  |    | $\Delta = 30^\circ$ |   |              |
|        | $\Delta = 3^\circ$   |                                 |  | 25 | <i>iP·ZNE</i>       | 22 21 02  | C. Z: 10 mm. |
| 20     | <i>eP·Z</i>          | 21 20 40                        |  |    | <i>iS·NE</i>        | 21 23   |              |
|        | $\Delta = 53^\circ$  | Hindu Kush.                     |  |    | $\Delta = 2^\circ$  | NW of the station.                              |              |
| 21     | <i>e·Z</i>           | 6 18 26                         |  | 26 | <i>eP·Z</i>         | 0 09 48   |              |
| 21     | <i>ePKP·Z</i>        | 8 22 59                         |  |    | Near.               |   |              |
|        | $\Delta = 148^\circ$ | Indian Ocean.                   |  | 26 | <i>iP·ZNE</i>       | 8 36 47   | C.           |
| 21     | <i>iPKP·Z</i>        | 8 25 20                         |  |    | <i>ePP·E</i>        | 39 09   |              |
|        | $\Delta = 148^\circ$ | Indian Ocean.                   |  |    | <i>iPPP·E</i>       | 41 05   |              |
| 21     | <i>e·Z</i>           | 9 03 32                         |  |    | <i>iS·NE</i>        | 45 53   |              |
| 21     | <i>ePKP·Z</i>        | 9 57 33                         |  |    | <i>L·NE</i>         |   |              |
|        | $\Delta = 148^\circ$ | Indian Ocean.                   |  | 26 | <i>iP·ZNE</i>       | 8 36 47   | C.           |
| 21     | <i>i·Z</i>           | 11 42 25                        |  |    | <i>ePP·E</i>        | 39 09   |              |
| 21     | <i>i(Sg)·Z</i>       | 16 15 09                        |  |    | <i>iPPP·E</i>       | 41 04   |              |
| 21     | <i>e(P)·Z</i>        | 17 46 59                        |  |    | <i>iS·NE</i>        | 45 53   |              |
|        | <i>e(S)·Z</i>        | 47 38                           |  |    | <i>L·NE</i>         | 57  |              |
|        | $\Delta = 3^\circ$   |                                 |  |    | $\Delta = 70^\circ$ | Mexico.   |              |
| 21     | <i>eP·Z</i>          | 23 09 38                        |  | 26 | <i>eP·ZNE</i>       | 10 35 45  |              |
| 22     | <i>e(P)·Z</i>        | 3 46 01                         |  |    | <i>eS·NE</i>        | 42 15   |              |
|        | <i>e(S)·Z</i>        | 46 22                           |  |    | <i>iScS·NE</i>      | 45 43   |              |
|        | $\Delta = 2^\circ$   |                                 |  |    | <i>L·NE</i>         | 50  |              |
| 22     | <i>e(P)·Z</i>        | 20 01 58                        |  |    | $\Delta = 44^\circ$ | Queen Charlotte Islands.                        |              |
| 22     | <i>e·Z</i>           | 20 03 46                        |  | 26 | <i>i·Z</i>          | 16 15 59  |              |
| 22     | <i>iP·Z</i>          | 20 33 21                        |  |    | <i>i·Z</i>          | 16 37   |              |
|        | <i>iS·Z</i>          | 33 41                           |  |    | Near.               |   |              |
|        | $\Delta = 2^\circ$   |                                 |  | 26 | <i>e·Z</i>          | 16 39 47  |              |
| 23     | <i>iP·Z</i>          | 5 43 31                         |  | 27 | <i>e·Z</i>          | 5 14 48   |              |
|        | <i>eS·Z</i>          | 43 57                           |  | 27 | <i>iP·Z</i>         | 8 03 40   |              |
|        | $\Delta = 2^\circ$   |                                 |  |    | $\Delta = 97^\circ$ | $h = 200$ km. Celebes.                          |              |
| 23     | <i>e(P)·Z</i>        | 6 53 17                         |  | 27 | <i>i(P)·Z</i>       | 11 48 47  |              |
| 23     | <i>eP·Z</i>          | 22 29 57                        |  |    | Near.               |   |              |
|        | $\Delta = 47^\circ$  | Mediterranean Sea.              |  | 28 | <i>eP·Z</i>         | 0 04 14   |              |
| 23     | <i>i·Z</i>           | 23 51 39                        |  |    | $\Delta = 68^\circ$ | Burma.  |              |
| 24     | <i>iP·Z</i>          | 12 37 40                        |  | 28 | <i>e(P)·Z</i>       | 7 26 37   |              |
|        | $\Delta = 46^\circ$  | Kamchatka.                      |  |    | Near.               |   |              |
|        |                      |                                 |  | 28 | <i>eP·Z</i>         | 12 14 19  |              |
|        |                      |                                 |  |    | $\Delta = 33^\circ$ | Alaska.   |              |
|        |                      |                                 |  | 29 | <i>e(P)·Z</i>       | 5 40 32   |              |
|        |                      |                                 |  |    | Probably near.      |   |              |

### Nord 1959

#### August

|    |                       |  |                    |
|----|-----------------------|--|--------------------|
| 29 | <i>e(P)·Z</i>         | 7 <sup>h</sup> 37 <sup>m</sup> 31 <sup>s</sup> |                    |
|    | <i>e(S)·Z</i>         | 37 58  |                    |
|    | $\Delta = 2^\circ$ .  |  |                    |
| 29 | <i>iP·NE</i>          | 17 11 10                                       | C. No Z-recording. |
|    | <i>iPP·NE</i>         | 13 00  |                    |
|    | <i>eS·NE</i>          | 17 33  |                    |
|    | <i>L·NE</i>           | 25   |                    |
|    | $\Delta = 43^\circ$ . | Lake Baikal, USSR.                             |                    |
| 30 | <i>e(P)·Z</i>         | 9 15 37  |                    |
|    | <i>e(S)·Z</i>         | 15 59  |                    |
|    | $\Delta = 2^\circ$ .  |  |                    |
| 30 | <i>iP·Z</i>           | 17 16 37                                       | D. 4 mm.           |
|    | <i>iS·Z</i>           | 17 00  |                    |
|    | <i>iRg·Z</i>          | 17 04  |                    |
|    | $\Delta = 2^\circ$ .  |  |                    |
| 30 | <i>iP·Z</i>           | 17 26 37                                       | D. 2 mm.           |
|    | <i>iS·Z</i>           | 27 00  |                    |
|    | <i>iRg·Z</i>          | 27 04  |                    |
|    | $\Delta = 2^\circ$ .  |  |                    |
| 31 | <i>eP·Z</i>           | 9 14 16  |                    |
|    | $\Delta = 46^\circ$ . | Aleutian Islands.                              |                    |
| 31 | <i>eP·Z</i>           | 11 47 49                                       |                    |
|    | <i>eS·Z</i>           | 48 15  |                    |
|    | $\Delta = 2^\circ$ .  |  |                    |

#### September

|   |                        |                  |    |
|---|------------------------|------------------|----|
| 1 | <i>e·Z</i>             | 2 23 19          |    |
| 1 | <i>iP·Z</i>            | 11 00 26         |    |
|   | $\Delta = 65^\circ$ .  | Lesser Antilles. |    |
| 1 | <i>iP·Z</i>            | 11 45 39         | C. |
|   | <i>eS·NE</i>           | 51 59            |    |
|   | <i>L·NE</i>            | 56               |    |
|   | $\Delta = 43^\circ$ .  | Albania.         |    |
| 2 | <i>i·Z</i>             | 11 14 40         |    |
|   | <i>i·Z</i>             | 14 43            |    |
| 3 | <i>eP·Z</i>            | 4 10 01          |    |
|   | $\Delta = 43^\circ$ .  | Albania.         |    |
| 3 | <i>ePP·NE</i>          | 6 45 26          |    |
|   | <i>eSKS·NE</i>         | 52 04            |    |
|   | <i>eSS·NE</i>          | 59.7             |    |
|   | $\Delta = 101^\circ$ . | Celebes.         |    |
| 3 | <i>e·Z</i>             | 17 37 53         |    |

#### September

|    |                        |   |       |
|----|------------------------|---|-------|
| 3  | <i>iP·Z</i>            | 20 <sup>h</sup> 19 <sup>m</sup> 50 <sup>s</sup> |       |
|    | <i>iS·Z</i>            | 20 13   |       |
|    | $\Delta = 2^\circ$ .   |   |       |
| 4  | <i>eP·Z</i>            | 7 12 43   |       |
|    | <i>iS·Z</i>            | 13 04   |       |
|    | $\Delta = 2^\circ$ .   |   |       |
| 4  | <i>e(S)·Z</i>          | 9 24 27   |       |
| 4  | <i>i·Z</i>             | 12 50 08  |       |
|    | Near.                  |   |       |
| 6  | <i>eP·Z</i>            | 0 41 07   |       |
|    | $\Delta = 92^\circ$ .  | Philippine Islands.                             |       |
| 8  | <i>e·Z</i>             | 7 20 35   |       |
|    | <i>e·Z</i>             | 21 35   |       |
|    | Two nears?             |   |       |
| 8  | <i>iP·Z</i>            | 10 03 31  | C.    |
| 8  | <i>e·Z</i>             | 11 13 40  |       |
| 10 | <i>e·Z</i>             | 3 35 44   |       |
|    | <i>i!·Z</i>            | 35 46   |       |
| 10 | <i>iP·Z</i>            | 3 45 41   | D.    |
|    | <i>i·Z</i>             | 45 59   | 8 mm. |
|    | Near.                  |   |       |
| 10 | <i>i·Z</i>             | 4 02 05   |       |
| 11 | <i>eP·Z</i>            | 14 25 36  |       |
|    | $\Delta = 39^\circ$ .  | Azores.   |       |
| 11 | <i>i·Z</i>             | 18 01 54  |       |
|    | <i>i·Z</i>             | 01 56   |       |
|    | Near.                  |   |       |
| 12 | <i>L·NE</i>            | 2 36  |       |
| 14 | <i>L·NE</i>            | 9 57  |       |
| 14 | <i>ePKP·Z</i>          | 14 28 42  |       |
|    | <i>e·Z</i>             | 28 48   |       |
|    | <i>ePS·NE</i>          | 40 55   |       |
|    | <i>eSS·NE</i>          | 47 50   |       |
|    | <i>L·NE</i>            |   |       |
| 14 | <i>ePKP·Z</i>          | 14 28 42  |       |
|    | <i>e·Z</i>             | 28 48   |       |
|    | <i>ePS·NE</i>          | 40 55   |       |
|    | <i>eSS·NE</i>          | 47 50   |       |
|    | <i>L·NE</i>            | 15 09   |       |
|    | $\Delta = 127^\circ$ . | Kermadec Islands.                               |       |

### Nord 1959

September

15 *ePKP*·*Z* 6<sup>h</sup>18<sup>m</sup>43<sup>s</sup>  
*eSS*·*NE* 37 37  
*L*·*NE* 7 01  
 Repetition.

15 *ePKP*·*Z* 11 23 20  
 $\Delta = 120^\circ$ .  $h = 600$  km. Fiji Islands.

16 *iP*·*Z* 5 22 37 C.  
*ePcP*·*Z* 24 01  
 $\Delta = 48^\circ$ . Crete.

17 *e*·*Z* 12 19 33

17 *eP*·*Z* 21 36 02  
 $\Delta = 74^\circ$ . Deeper than normal. San Salvador.

18 *eP*·*Z* 23 50 07  
*e(S)*·*Z* 50 32  
 $\Delta = 2^\circ$ .

19 *eP*·*Z* 8 59 55  
*e(S)*·*Z* 9 00 13  
 $\Delta = 2^\circ$ .

19 *e*·*Z* 11 19 02

20 *eP*·*Z* 1 20 34 *iS*·*Z* 20 56  
 20 *iP*·*Z* 13 43 13 *eS*·*Z* 43 34  
 20 *iP*·*Z* 21 05 49 *iS*·*Z* 06 10  
 22 *eP*·*Z* 23 52 47 *eS*·*Z* 53 07  
 23 *eP*·*Z* 2 21 23 *eS*·*Z* 21 43  
 5 near quakes.  $\Delta$  abt.  $2^\circ$ .

23 *eP*·*ZNE* 10 42 15  
*L*·*NE* 45.5  
 $\Delta = 13^\circ$ . North Polar region.

23 *iP*·*Z* 13 07 35  
*iS*·*Z* 08 27  
 $\Delta = 5^\circ$ .

24 *eP*·*ZNE* 5 46 53  
*L*·*NE* 49.8  
 $\Delta = 13^\circ$ . North Polar region.

24 *iP*·*Z* 10 33 48  
 24 *iP*·*Z* 11 57 54 *iS*·*Z* 58 13  
 24 *iP*·*Z* 12 58 41 *eS*·*Z* 59 02  
 24 *eP*·*Z* 13 13 28 *eS*·*Z* 13 58  
 24 *iP*·*Z* 13 43 55  
 5 near quakes.  $\Delta$  abt.  $2^\circ$ .

September

25 *eP*·*Z* 2<sup>h</sup>48<sup>m</sup>26<sup>s</sup>  
*i*·*Z* 48 29  
*i*·*Z* 48 32  
*L*·*NE* 3 12  
 $\Delta = 74^\circ$ . Formosa.

26 *i*·*Z* 6 06 39

26 *eP*·*ZNE* 8 29 53  
*eS*·*NE* 37 13  
*L*·*NE* 44  
 $\Delta = 51^\circ$ . Oregon, U.S.A.

26 *e(S)*·*Z* 10 07 34

26 *iP*·*Z* 12 36 14 C. 3 mm.  
*iS*·*E* 36 28  
*i*·*N* 36 37  
 $\Delta \approx 1^\circ$ . South of the station.  
 Several minor aftershocks.

28 *iP*·*Z* 1 12 54  
 $\Delta = 7^\circ$ . Svalbard.

28 *e*·*Z* 2 55 15  
*e*·*Z* 55 27  
 Near.

28 *eP*·*Z* 10 24 57  
 $\Delta = 48^\circ$ . Turkey.

29 *L*·*NE* 16 31

30 *iP*·*Z* 2 38 56 D.

30 *e(P)*·*Z* 6 26 18  
*e(S)*·*Z* 26 38  
 $\Delta = 2^\circ$ .

October

1 *iP*·*Z* 10 39 07  
*iS*·*Z* 39 17  
 $\Delta = 1^\circ$ .

2 *e*·*Z* 19 47 40

3 *i*·*Z* 0 27 24

3 *i*·*Z* 10 16 09

5 *eP*·*Z* 8 23 41  
*eS*·*Z* 24 07  
 $\Delta = 2^\circ$ .

### Nord 1959

October

5 *eP·ZN* 17<sup>h</sup>59<sup>m</sup>39<sup>s</sup>  
*i·ZE* 59 56  
*L·NE* 18 03.5  
 $\Delta = 14^\circ$ . North Polar region.

5 *eP·ZN* 18 14 34  
*i·Z* 14 52  
*L·NE* 18.5  
 Repetition.

5 *iP·ZNE* 18 31 04  
*i·Z* 31 15  
*iS·NE* 33 52  
*L·NE* 34.6  
 Repetition. Main shock.

5 *eP·Z* 20 31 18  
 Repetition.

5 *iP·Z* 20 42 03  
 $\Delta = 43^\circ$ . Albania.

5 *iP·Z* 21 48 54  
*eS·Z* 49 20  
 $\Delta = 2^\circ$ .

7 *iP·Z* 6 11 14 C.  
 Near.

7 *iPg·Z* 7 01 21.5  
*i·Z* 01 24.0  
*iSg·Z* 01 28.6  
*i·Z* 01 30.1  
*i·Z* 01 31.0  
 Probably repetition.

7 *iP·Z* 8 38 39 C.  
 $\Delta = 43^\circ$ . Albania.

8 *iP·Z* 2 43 45  
 $\Delta = 46^\circ$ . Aleutian Islands.

8 *e·Z* 4 13 18  
*e·Z* 13 23  
*e·Z* 13 36  
*e·Z* 13 55  
 Two shocks?

9 *iP·Z* 2 16 45  
*iS·Z* 17 15  
 $\Delta = 3^\circ$ .

10 *e·Z* 9 19 16

11 *iP·Z* 21 24 32  
*iS·Z* 24 53  
 $\Delta = 2^\circ$ .

12 *eP·Z* 3 35 01  
 $\Delta = 92^\circ$ . Sumatra.

October

12 *e·Z* 3<sup>h</sup>38<sup>m</sup>22<sup>s</sup>  
 Near.

12 *i·Z* 3 52 10  
 Near.

12 *e(P)·Z* 9 32 34  
*e(S)·Z* 32 57  
 $\Delta = 2^\circ$ .

12 *ePn·Z* 16 55 11  
*ePg·Z* 55 22  
*e·Z* 55 38  
*iSg·Z* 55 42  
 Interpretation doubtful.  $\Delta = 3^\circ$ .

13 *i·Z* 5 57 31

13 *e·Z* 17 01 21

14 *iP·Z* 14 18 08 D. 2 mm.  
*iS·Z* 18 34 5 mm.  
 $\Delta = 2^\circ$ .

15 *eP·Z* 6 29 01  
*ePP·NE* 33 00  
*eSKS·E* 39 32  
*eS·N* 40 20  
*e·NE* 42 32  
*eSS·NE* 46.9  
*L·NE* 59.5  
 $\Delta = 96^\circ$ . Celebes.

15 *iP·Z* 7 49 49 D.  
 $\Delta = 54^\circ$ . Kurile Islands.

15 *e(P)·Z* 11 51 51  
*e(S)·Z* 52 11  
 $\Delta = 2^\circ$ .

15 *eP·Z* 20 42 10  
 $\Delta = 46^\circ$ . Aleutian Islands.

16 *iP·Z* 5 19 13 D.  
*iS·Z* 19 33  
 $\Delta = 2^\circ$ .

17 *eP·Z* 15 43 08  
*iS·Z* 43 28  
 $\Delta = 2^\circ$ .

18 *eP·Z* 6 41 49  
*eS·Z* 42 10  
 $\Delta = 2^\circ$ .

18 *iP·Z* 17 14 56 C.  
 $\Delta = 48^\circ$ . Kamchatka.



### Nord 1959

October

19 *iP*·*Z* 2h56m16s *D*.  
 $\Delta = 54^\circ$ . Kurile Islands.

19 *iPKP*·*Z* 16 14 55  
*L*·*NE* 17 00  
 $\Delta = 136^\circ$ . Sandwich Group.

21 *e(P)*·*Z* 20 10 50  
*e(S)*·*Z* 11 20  
 $\Delta = 3^\circ$ .

24 *iP*·*Z* 11 16 42 1 mm.  
*iS*·*Z* 17 03 3 mm.  
 $\Delta = 2^\circ$ .

25 *L*·*NE* 0 05 No *Z*-record.

26 *e(P)*·*Z* 4 40 09  
*e(S)*·*Z* 40 25  
 Near.

26 *iP*·*Z* 7 45 19  
*L*·*NE* 8 03  
 $\Delta = 61^\circ$ . Japan.

26 *iP*·*Z* 10 37 27  
 $\Delta = 47^\circ$ .  $h = 150$  km. Kamchatka.

26 *iP*·*Z* 12 55 30  
*i*·*Z* 56 21 5 mm.  
*i*·*Z* 56 28  
 $\Delta$  abt.  $4^\circ$ .

27 *iP*·*Z* 7 01 58  
 $\Delta = 53^\circ$ .  $h = 100$  km. Kurile Islands.

27 *iP*·*Z* 8 03 45  
*iS*·*Z* 04 06 8 mm.  
 $\Delta = 2^\circ$ .

27 *e*·*Z* 8 43 32

27 *iP*·*Z* 14 13 36  
 $\Delta = 3^\circ$ . SSE of the station.

27 *iP*·*Z* 14 21 35

27 *i*·*Z* 23 08 02  
*i*·*Z* 08 05

28 *iP*·*Z* 11 42 17  
*iS*·*Z* 42 59  
 $\Delta = 4^\circ$ .

29 *iP*·*Z* 11 58 24 *C*.  
*i*·*Z* 58 27  
 Near.

October

29 *iP*·*Z* 14h39m04s *C*. 3 mm.  
*ipP*·*Z* 40 51  
*iScP*·*Z* 43 02  
*iS*·*NE* 46 02  
 $\Delta = 55^\circ$ .  $h = 550$  km. China-Korea border.

30 *eP*·*Z* 4 06 55  
 $\Delta = 32^\circ$ . Yakut. ASSR.

30 *iP*·*Z* 22 25 22  
*i(S)*·*Z* 25 42  
 $\Delta = 2^\circ$ .

31 *i!P*·*Z* 19 32 37 12 mm.  
 Near.

November

1 *i!P*·*Z* 9 27 20 *C*. Trace disapp.  
*iS*·*E* 27 49  
*i*·*NE* 27 55  
*M*·*NE* 28 12  
 $\Delta =$  abt.  $3^\circ$ . South of the station.

1 *e(P)*·*Z* 10 15 38  
*e(S)*·*Z* 16 10  
 Aftershock?

4 *iP*·*Z* 21 31 01 *D*. 2 mm.

5 *e(P)*·*Z* 14 36 18  
*e(S)*·*Z* 36 53  
 $\Delta = 3^\circ$ .

5 *iP*·*Z* 15 10 05  
 $\Delta = 67^\circ$ .  $h = 250$  km. Ryukyu Islands.

8 *L*·*NE* 14 20 No *Z*-record.

11 *i(Pn)*·*Z* 8 22 53  
*i(Pg)*·*Z* 23 00  
*i(Sg)*·*Z* 23 30  
 $\Delta = 2\frac{1}{2}^\circ$ .

11 *iP*·*Z* 20 03 25  
*iS*·*Z* 03 45  
 $\Delta = 2^\circ$ .

12 *ePn*·*Z* 23 59 50  
*iP\**·*Z* 59 54  
*ePg*·*Z* 59 57  
*iSn*·*Z* 60 22  
*iS\**·*Z* 60 26  
*iSg*·*Z* 60 31  
 $\Delta = 2\frac{1}{2}^\circ$ .

### Nord 1959

November

13 *ePn*·Z 12<sup>h</sup>36<sup>m</sup>48<sup>s</sup>  
*iP\**·Z 36 52  
*ePg*·Z 36 57  
*eS*·Z 37 17  
*eS*·Z 37 22  
 $\Delta = 2\frac{1}{2}^\circ$ .

13 *iP*·Z 20 02 05  
*e(S)*·Z 02 23  
 $\Delta = 2^\circ$ .

15 *iP*·Z 10 34 23 C.  
*eS*·E 41 45  
*L*·NE 52  
 $\Delta = 53^\circ$ . Kashgar, China.

15 *iP*·ZNE 17 17 08 C.  
*iS*·NE 23 49 N: +, E: +.  
*iSS*·NE 26 59  
*L*·NE 29.4  
 $\Delta = 46^\circ$ . Ionian Sea.

15 *L*·NE 19 56

16 *i*·Z 11 52 16

17 *e*·Z 5 55 19

17 *i*·Z 6 00 31  
*e*·Z 02 22  
 Probably two shocks.

19 *L*·NE 19 50

19 *iP*·Z 14 08 48 D.  
 $\Delta = 46^\circ$ . Turkey.

20 *i(P)*·Z 4 10 30  
*e(S)*·Z 10 44  
 Near.

22 *iP*·Z 6 20 12  
*iS*·Z 20 29  
 $\Delta = 2^\circ$ .

22 *ePKP*·Z 16 46 19  
 $\Delta = 147^\circ$ . Pacific Ocean.

22 *iPKP*·Z 19 52 25  
 $\Delta = 119^\circ$ .  $h = 550$  km. Fiji Islands.

23 *i!**P*·Z 6 29 22  
 Trace disapp. Very near.

23 *e*·Z 23 42 30  
 Near.

November

24 *iPn*·Z 00<sup>h</sup>14<sup>m</sup>54<sup>s</sup>  
*iP\**·Z 14 56  
*iPg*·Z 14 58  
*iS*·Z 15 26  
 $\Delta = 2^\circ$ .

25 *eP*·Z 19 17 25  
 $\Delta = 91^\circ$ . Philippine Islands.

26 *iP*·Z 3 30 16 C.  
 Very near.

26 *eP*·Z 7 20 04  
*L*·NE 55  
 $\Delta = 100^\circ$ . Sumatra.

26 *eP*·Z 23 23 08  
*e*·Z 26 19  
*ePP*·Z 27 13  
*L*·NE 57  
 Repetition.

27 *eP*·Z 0 30 46  
 $\Delta = 45^\circ$ . Greece.

27 *iP*·Z 0 34 36  
 Repetition.

27 *iP*·Z 3 36 07 C.  
 $\Delta = 49^\circ$ . Rhodes, Greece.

30 *eP*·Z 11 21 32  
 $\Delta = 48^\circ$ . Sinkiang, China.

December

1 *iP*·Z 12 47 10  
 $\Delta = 46^\circ$ . Greece.

1 *iP*·Z 14 30 05 Trace disapp.  
 Near.

1 *iP*·Z 18 24 15 C.  
 $\Delta = 92^\circ$ .  $h = 400$  km. Philippine Islands.

2 *eP*·Z 9 47 35  
*eSKS*·NE 58 13  
*ePS*·N 10 00 23  
*L*·NE 20  
 $\Delta = 98^\circ$ . Celebes.

3 *e(P)*·Z 17 01 43  
*eS*·Z 02 03  
 $\Delta = 2^\circ$ .

6 *i(P)*·Z 0 38 10  
*iS*·Z 38 49  
 $\Delta = 3^\circ$ .

Nord 1959

December

- 8 *eP*·*Z* 3<sup>h</sup>10<sup>m</sup>11<sup>s</sup>  
 $\Delta = 62^\circ$ . Japan.
- 8 *eP*·*Z* 8 11 52  
 $\Delta = 15^\circ$ . North of Iceland.
- 8 *e*·*Z* 11 36 04
- 8 *eP*·*Z* 13 42 13  
 $\Delta = 45^\circ$ . Georgia, U.S.S.R.
- 9 *iP*·*Z* 9 45 36 C. 5 mm.  
*e(S)*·*Z* 45 54  
 $\Delta = 2^\circ$ .
- 14 *e(P)*·*Z* 12 57 39  
*e(S)*·*Z* 58 11  
 $\Delta = 3^\circ$ .
- 14 *eP*·*Z* 18 11 22 D.  
 $\Delta = 91^\circ$ .  $h = 200$  km. Philippine Islands.
- 14 *eP*·*Z* 22 09 12 D.  
*L*·*NE* 23  
*M*·*NE* 27 20<sup>s</sup>. *N*: 60  $\mu$ , *E*: 40  $\mu$ .  
 $\Delta = 46^\circ$ . *M* = 6.6. Aleutian Islands.
- 14 *ePKP*·*Z* 23 41 23  
*i*·*NE* 41 27  
*iPKS*·*N* 45 09  
*L*·*NE* 24 24  
 $\Delta = 141^\circ$ . Sandwich Group.
- 15 *e*·*Z* 4 57 25
- 17 *i(P)*·*Z* 1 34 21  
Near.
- 17 *eP*·*Z* 5 14 39  
 $\Delta = 58^\circ$ . Japan.
- 17 *i*·*Z* 17 45 08
- 18 *iP*·*Z* 16 33 11  
*L*·*NE* 48  
 $\Delta = 45^\circ$ . Aleutian Islands.
- 21 *eP*·*ZNE* 11 30 47  
*eS*·*NE* 40 17  
*eSS*·*NE* 45.1  
*L*·*NE* 55  
*M*·*NE* 12 03 20<sup>s</sup>. *N*: 75  $\mu$ , *E*: 50  $\mu$ .  
 $\Delta = 73^\circ$ . *M* = 7.2. Gulf of Aden.
- 23 *e(P)*·*Z* 1 30 13

December

- 23 *e*·*Z* 1<sup>h</sup>32<sup>m</sup>49<sup>s</sup>
- 23 *iP*·*Z* 3 56 43 C.  
 $\Delta = 41^\circ$ . Alaska Peninsula.
- 23 *eP*·*Z* 12 44 43  
*e(S)*·*Z* 45 52  
 $\Delta = 6^\circ$ . North of Greenland.
- 23 *e*·*Z* 12 55 52
- 23 *e(P)*·*Z* 23 22 45  
*eS*·*Z* 23 13  
 $\Delta = 3^\circ$ .
- 24 *iP*·*Z* 9 40 02  
Near.
- 24 *eP*·*Z* 13 21 25  
 $\Delta = 88^\circ$ . Philippine Islands.
- 24 *e(P)*·*Z* 22 55 31  
*e(S)*·*Z* 55 51  
 $\Delta = 2^\circ$ .
- 26 *eP*·*Z* 18 26 18  
*L*·*NE* 36  
 $\Delta = 37^\circ$ . Alaska.
- 26 *eP*·*Z* 22 10 59  
 $\Delta = 46^\circ$ . Kamchatka.
- 27 *eP*·*Z* 5 31 27  
 $\Delta = 49^\circ$ . Crete.
- 27 *eP*·*Z* 7 00 02  
 $\Delta = 46^\circ$ . Kamchatka.
- 27 *eP*·*Z* 12 03 15  
 $\Delta = 46^\circ$ . Kamchatka.
- 27 *ePKP*·*Z* 12 56 39  
 $\Delta = 112^\circ$ .  $h = 650$  km. Argentina.
- 27 *iP*·*ZNE* 16 00 53 C.  
*ePP*·*NE* 02 33  
*iS*·*NE* 07 16  
*eSS*·*NE* 10 33  
*L*·*NE* 13  
*M*·*NE* 19 20<sup>s</sup>. *N*: 100  $\mu$ , *E*: 100  $\mu$ .  
 $\Delta = 43^\circ$ . *M* = 6.9. Kamchatka.
- 28 *iP*·*Z* 0 46 18 D.  
Near.



### Microseisms. Nord

| 1959   | N         |           |           |           | E         |           |           |           | 1959   |
|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------|
| July   | 0h        | 6h        | 12h       | 18h       | 0h        | 6h        | 12h       | 18h       | July   |
| 1      | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 1      |
| 2      | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 2      |
| 3      | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 3      |
| 4      | 0.0       | 0.0       | 0.0       | 2 0.1 5.5 | 0.0       | 0.0       | 0.0       | 3 0.1 6.5 | 4      |
| 5      | 2 0.1 5.1 | 2 0.1 5.4 | 2 0.1 5.6 | 2 0.1 5.6 | 2 0.1 5.1 | 2 0.1 5.3 | 2 0.1 5.5 | 2 0.1 5.4 | 5      |
| 6      | 2 0.1 4.8 | 0.1       | 0.0       | 0.0       | 0.1       | 0.0       | 0.0       | 0.0       | 6      |
| 7      | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 7      |
| 8      | 2 0.1 5.- | 2 0.1 5.- | 0.0       | 0.0       | 0.1       | 0.0       | 0.0       | 0.0       | 8      |
| 9      | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 9      |
| 10     | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 10     |
| 11     | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 11     |
| 12     | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 12     |
| 13     | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 13     |
| 14     | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 14     |
| 15     | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 15     |
| 16     | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 16     |
| 17     | 0.0       | 0.0       | 0.0       | 2 0.1 4.4 | 0.0       | 0.0       | 0.0       | 2 0.1 4.7 | 17     |
| 18     | 2 0.1 4.6 | 2 0.1 4.4 | 2 0.1 3.9 | 2 0.1 3.8 | 3 0.1 4.5 | 3 0.1 4.5 | 2 0.1 4.0 | 2 0.1 4.0 | 18     |
| 19     | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 19     |
| 20     | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 20     |
| 21     | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 21     |
| 22     | .. ..     | 2 0.1 4.0 | 2 0.2 4.1 | 2 0.1 4.2 | .. ..     | 2 0.1 4.3 | 2 0.2 4.2 | 2 0.2 4.3 | 22     |
| 23     | .. ..     | 2 0.1 4.1 | 0.0       | 0.0       | .. ..     | 0.0       | 0.0       | 0.0       | 23     |
| 24     | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 24     |
| 25     | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 25     |
| 26     | 2 0.1 4.8 | 2 0.1 4.8 | 2 0.2 4.0 | 2 0.2 4.5 | 2 0.1 4.8 | 2 0.1 4.9 | 2 0.2 4.2 | 2 0.2 4.4 | 26     |
| 27     | 3 0.2 4.5 | 3 0.2 4.3 | 2 0.2 5.0 | 2 0.2 4.4 | 3 0.3 4.5 | 3 0.2 4.4 | 3 0.3 4.8 | 2 0.3 4.3 | 27     |
| 28     | 2 0.2 4.5 | 2 0.1 4.2 | 2 0.1 4.2 | 2 0.1 4.2 | 2 0.2 4.9 | 2 0.2 4.9 | 2 0.1 4.3 | 2 0.1 4.0 | 28     |
| 29     | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 29     |
| 30     | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 30     |
| 31     | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 31     |
| August |           |           |           |           |           |           |           |           | August |
| 1      | 2 0.1 4.9 | 2 0.1 4.7 | 2 0.1 4.9 | 2 0.1 4.7 | 2 0.1 4.7 | 2 0.1 4.7 | 3 0.2 4.5 | 2 0.1 4.8 | 1      |
| 2      | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 2      |
| 3      | 0.0       | 0.0       | 0.0       | 2 0.1 5.4 | 0.0       | 0.0       | 0.0       | 2 0.1 5.3 | 3      |
| 4      | 2 0.1 4.5 | 2 0.1 4.8 | 2 0.1 4.2 | 2 0.1 4.1 | 2 0.1 4.9 | 2 0.1 4.8 | 2 0.1 4.3 | 2 0.1 4.5 | 4      |
| 5      | 2 0.1 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.- | 2 0.1 4.- | 5      |
| 6      | 0.0       | 0.0       | 0.0       | 0.1       | 0.0       | 0.0       | 0.0       | 0.0       | 6      |
| 7      | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 7      |
| 8      | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 8      |
| 9      | 0.0       | 0.0       | 0.0       | 2 0.1 4.0 | 0.0       | 0.0       | 0.0       | 0.1       | 9      |
| 10     | 0.0       | 0.0       | 0.1       | 0.1       | 0.0       | 0.0       | 0.1       | 2 0.1 4.5 | 10     |
| 11     | 2 0.1 4.7 | 2 0.1 4.5 | 2 0.1 4.7 | 2 0.1 5.0 | 2 0.1 4.6 | 2 0.1 4.6 | 2 0.1 4.5 | 2 0.1 4.5 | 11     |
| 12     | 0.1       | 0.1       | 0.1       | 0.1       | 0.1       | 0.1       | 0.1       | 0.1       | 12     |
| 13     | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 13     |
| 14     | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 14     |
| 15     | 0.0       | 0.1       | 3 0.1 5.0 | 2 0.1 4.6 | 0.0       | 0.1       | 0.1       | 2 0.1 5.0 | 15     |
| 16     | 2 0.1 4.8 | 2 0.1 5.0 | 2 0.1 5.3 | 2 0.1 5.7 | 2 0.1 5.1 | 2 0.1 4.8 | 2 0.1 4.7 | 2 0.1 4.8 | 16     |
| 17     | 2 0.1 5.1 | 2 0.2 5.3 | 2 0.1 5.3 | 2 0.1 5.8 | 2 0.1 5.5 | 2 0.1 6.0 | 2 0.2 5.9 | 2 0.1 5.5 | 17     |
| 18     | 2 0.1 5.8 | 2 0.1 5.5 | 2 0.1 5.7 | 2 0.1 5.4 | 2 0.1 5.5 | 2 0.1 5.4 | 2 0.1 5.5 | 2 0.1 5.5 | 18     |
| 19     | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 19     |
| 20     | 2 0.1 4.7 | 2 0.1 4.8 | 2 0.2 4.3 | 2 0.2 5.2 | 0.0       | 2 0.1 4.8 | 2 0.1 5.0 | 2 0.1 5.3 | 20     |
| 21     | 2 0.2 5.5 | 2 0.2 5.4 | 3 0.2 4.4 | 2 0.1 4.0 | 2 0.1 5.6 | 2 0.1 5.4 | 3 0.1 4.1 | 2 0.1 4.7 | 21     |
| 22     | 2 0.1 4.6 | 2 0.1 4.6 | 2 0.1 4.5 | 2 0.1 4.5 | 2 0.1 4.6 | 2 0.1 4.8 | 2 0.1 4.6 | 2 0.1 4.7 | 22     |
| 23     | 2 0.1 4.6 | 2 0.1 4.7 | 2 0.1 4.6 | 2 0.1 5.1 | 2 0.1 4.9 | 2 p.1 4.4 | 2 0.1 4.8 | 2 0.1 4.8 | 23     |
| 24     | 2 0.1 4.7 | 2 0.1 4.5 | 2 0.1 5.0 | 2 0.1 5.0 | 2 0.1 4.9 | 2 0.1 5.1 | 2 p.1 5.0 | 2 0.1 4.8 | 24     |

### Microseisms. Nord

| 1959    | N         |           |           |           | E         |           |           |           | 1959    |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|
| August  | 0h        | 6h        | 12h       | 18h       | 0h        | 6h        | 12h       | 18h       | August  |
| 25      | 2 0.1 4.8 | 2 0.1 4.8 | 2 0.1 4.8 | 2 0.1 4.8 | 2 0.1 5.0 | 2 0.1 4.6 | 2 0.1 4.5 | 2 0.1 4.7 | 25      |
| 26      | 0.1       | 0.1       | .. ..     | 2 0.1 4.9 | 0.1       | 0.1       | .. ..     | 0.1       | 26      |
| 27      | 2 0.1 4.8 | 2 0.1 4.5 | 2 0.1 4.8 | 2 0.1 4.3 | 2 0.1 4.5 | 2 0.1 4.7 | 3 0.1 4.6 | 3 0.1 4.2 | 27      |
| 28      | 2 0.1 4.2 | 2 0.1 4.3 | 2 0.1 4.0 | 2 0.1 4.7 | 2 0.1 4.3 | 2 0.1 4.4 | 2 0.1 4.2 | 2 0.1 4.5 | 28      |
| 29      | 2 0.1 4.6 | 2 0.1 4.5 | 2 0.1 4.3 | .. ..     | 2 0.1 4.8 | 2 0.1 4.1 | 2 0.1 4.5 | .. ..     | 29      |
| 30      | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 30      |
| 31      | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 31      |
| Sep.    |           |           |           |           |           |           |           |           | Sep.    |
| 1       | 2 0.1 3.7 | 2 0.1 4.0 | .. ..     | 2 0.1 4.8 | 2 0.1 3.8 | 2 0.1 3.9 | .. ..     | 2 0.1 4.5 | 1       |
| 2       | 2 0.1 4.5 | 2 0.1 4.2 | 2 0.1 4.0 | 2 0.1 4.5 | 2 0.1 4.5 | 2 0.1 4.- | 0.0       | 0.1       | 2       |
| 3       | 0.0       | 0.0       | 0.0       | 2 0.1 4.5 | 0.0       | 0.0       | 0.0       | 2 0.1 4.0 | 3       |
| 4       | 2 0.1 4.8 | 2 0.2 4.8 | 2 0.2 4.9 | 2 0.3 5.2 | 2 0.1 4.3 | 2 0.1 4.5 | 2 0.2 4.4 | 2 0.3 4.4 | 4       |
| 5       | 2 0.3 5.0 | 2 0.4 5.7 | 2 0.3 5.4 | 3 0.3 4.5 | 2 0.3 4.9 | 2 0.4 5.5 | 2 0.4 5.5 | 3 0.3 5.0 | 5       |
| 6       | 2 0.3 4.5 | 2 0.2 4.3 | 2 0.2 4.1 | 2 0.2 4.2 | 3 0.3 4.5 | 3 0.3 4.8 | 3 0.2 4.1 | 3 0.2 4.0 | 6       |
| 7       | 2 0.2 4.2 | 2 0.1 4.3 | 2 0.1 4.0 | 2 0.1 3.8 | 2 0.2 4.0 | 2 0.1 4.0 | 2 0.1 4.2 | 2 0.1 4.0 | 7       |
| 8       | 2 0.1 4.3 | 2 0.1 4.3 | 2 0.1 4.1 | 2 0.1 4.4 | 2 0.1 4.2 | 2 0.1 3.9 | 2 0.1 4.0 | 2 0.1 4.3 | 8       |
| 9       | 2 0.1 4.2 | 2 0.1 4.0 | 2 0.1 4.0 | 2 0.1 4.1 | 2 0.1 4.0 | 2 0.1 4.3 | 2 0.1 3.8 | 2 0.1 4.1 | 9       |
| 10      | 2 0.1 4.0 | 2 0.2 4.0 | 2 0.3 4.3 | 2 0.2 4.5 | 2 0.1 4.0 | 2 0.3 4.2 | 2 0.4 4.1 | 2 0.3 4.3 | 10      |
| 11      | 2 0.3 4.5 | 2 0.2 4.7 | 2 0.1 4.3 | 2 0.1 4.7 | 2 0.3 4.4 | 2 0.2 4.8 | 2 0.1 4.5 | 2 0.1 4.8 | 11      |
| 12      | 2 0.1 5.3 | 2 0.3 5.3 | 2 0.3 5.0 | 2 0.2 5.4 | 2 0.2 5.5 | 2 0.3 4.8 | 2 0.4 5.5 | 2 0.3 4.8 | 12      |
| 13      | 2 0.2 5.0 | 2 0.2 4.8 | 3 0.1 4.5 | 2 0.1 4.8 | 3 0.2 5.0 | 2 0.2 4.5 | 3 0.1 4.5 | 3 0.1 4.5 | 13      |
| 14      | 2 0.1 4.3 | 2 0.1 4.2 | 2 0.1 4.0 | 2 0.1 4.0 | 2 0.1 4.5 | 2 0.1 4.5 | 0.1       | 0.1       | 14      |
| 15      | 2 0.1 4.7 | 2 0.2 4.2 | 2 0.3 4.8 | 2 0.5 5.0 | 2 0.1 4.5 | 2 0.3 4.6 | 2 0.4 4.8 | 2 0.5 5.2 | 15      |
| 16      | 2 0.5 5.1 | 2 0.6 5.2 | 2 0.3 5.2 | 2 0.3 5.3 | 2 0.5 4.8 | 2 0.6 5.3 | 2 0.3 5.1 | 2 0.3 4.9 | 16      |
| 17      | 2 0.3 4.8 | 2 0.2 5.0 | 2 0.2 4.9 | 2 0.1 5.2 | 2 0.3 5.0 | 2 0.2 4.9 | 2 0.2 5.1 | 2 0.1 5.0 | 17      |
| 18      | 3 0.1 4.1 | 2 0.1 4.3 | 2 0.1 4.0 | 2 0.1 4.6 | 2 0.1 4.5 | 2 0.1 4.2 | 2 0.1 4.3 | 2 0.1 4.5 | 18      |
| 19      | 3 0.2 4.6 | 3 0.7 5.5 | 3 1.0 5.5 | 3 0.8 5.0 | 3 0.1 4.9 | 3 0.6 5.2 | 3 0.9 5.5 | 3 0.8 5.0 | 19      |
| 20      | 3 1.3 6.3 | 3 0.9 5.8 | 3 0.7 5.3 | 3 0.6 4.8 | 3 1.1 5.2 | 3 0.9 5.0 | 3 0.7 4.8 | 3 0.6 4.7 | 20      |
| 21      | 3 0.4 5.2 | 3 0.2 4.7 | 3 0.2 4.8 | 3 0.2 5.1 | 3 0.3 4.5 | 3 0.3 4.8 | 3 0.3 4.5 | 3 0.2 4.7 | 21      |
| 22      | 2 0.2 4.6 | 2 0.2 4.5 | 2 0.2 4.4 | 2 0.1 3.9 | 2 0.2 5.3 | 2 0.2 4.5 | 2 0.1 4.2 | 2 0.1 4.2 | 22      |
| 23      | 2 0.1 4.3 | 2 0.1 4.3 | 2 0.3 4.6 | 2 0.4 4.8 | 2 0.1 4.1 | 2 0.2 4.4 | 2 0.2 4.8 | 2 0.3 4.5 | 23      |
| 24      | 2 0.3 4.2 | .. ..     | 2 0.2 4.4 | 2 0.1 4.8 | 2 0.3 4.7 | .. ..     | 2 0.2 4.8 | 2 0.1 4.7 | 24      |
| 25      | 0.1       | 0.1       | 0.1       | 0.0       | 0.1       | 0.1       | 0.1       | 0.0       | 25      |
| 26      | 0.0       | 2 0.1 4.7 | 2 0.1 4.9 | 2 0.2 4.8 | 0.0       | 2 0.1 4.5 | 2 0.1 4.8 | 2 0.1 4.5 | 26      |
| 27      | 2 0.1 4.3 | 2 0.1 4.1 | 2 0.1 4.3 | 2 0.2 4.6 | .. ..     | .. ..     | .. ..     | 2 0.2 4.3 | 27      |
| 28      | 2 0.3 4.8 | 3 0.9 5.2 | 3 0.7 5.4 | 3 0.4 5.5 | 3 0.3 4.2 | 3 0.6 4.7 | 3 0.7 5.1 | 3 0.5 4.9 | 28      |
| 29      | 2 0.4 5.7 | 2 0.3 5.0 | 2 0.2 4.8 | 2 0.1 4.8 | 2 0.5 5.6 | 2 0.4 5.5 | 2 0.3 4.6 | 2 0.2 4.0 | 29      |
| 30      | 2 0.1 3.8 | 2 0.1 4.0 | 2 0.2 4.7 | 3 0.2 4.8 | 2 0.2 4.0 | 2 0.1 4.1 | 2 0.3 4.0 | 1 0.4 4.2 | 30      |
| October |           |           |           |           |           |           |           |           | October |
| 1       | 1 0.5 5.2 | 3 0.8 5.3 | 3 1.1 6.8 | 3 1.0 6.8 | 1 0.8 4.8 | 3 1.0 5.3 | 3 1.3 6.5 | 3 1.1 7.0 | 1       |
| 2       | 3 0.8 6.0 | 2 0.4 5.2 | 2 0.3 5.0 | 2 0.4 5.6 | 3 0.9 5.5 | 3 0.4 5.0 | 2 0.2 4.5 | 2 0.4 5.6 | 2       |
| 3       | 2 0.3 4.8 | 2 0.4 5.3 | 2 0.4 5.5 | 2 0.2 5.1 | 2 0.3 4.8 | 2 0.3 5.8 | 2 0.3 5.7 | 2 0.3 5.2 | 3       |
| 4       | 2 0.3 4.5 | 2 0.2 4.2 | 2 0.1 4.3 | 2 0.1 4.1 | 2 0.3 4.8 | 2 0.2 4.6 | 2 0.1 4.3 | 2 0.1 4.0 | 4       |
| 5       | 2 0.1 4.1 | 2 0.1 4.5 | 2 0.1 4.5 | 2 0.1 4.0 | 2 0.1 4.4 | 2 0.1 4.8 | 2 0.1 4.3 | 2 0.1 4.0 | 5       |
| 6       | 2 0.1 4.0 | 2 0.1 4.0 | 2 0.1 4.3 | 2 0.1 4.5 | 2 0.1 4.0 | 2 0.1 4.0 | 2 0.1 4.5 | 2 0.1 4.5 | 6       |
| 7       | 2 0.1 4.0 | 2 0.2 4.3 | 2 0.3 4.2 | 2 0.3 4.3 | 2 0.1 4.0 | 2 0.2 4.1 | 2 0.3 4.2 | 2 0.3 4.5 | 7       |
| 8       | 2 0.2 4.3 | 2 0.2 4.1 | 2 0.1 4.6 | 2 0.2 5.2 | 3 0.1 4.0 | 3 0.2 4.2 | 2 0.1 4.7 | 2 0.2 5.0 | 8       |
| 9       | .. ..     | .. ..     | .. ..     | .. ..     | 2 0.3 5.5 | 3 0.5 5.8 | 1 1.8 6.9 | 1 3.0 7.0 | 9       |
| 10      | 1 1.8 6.4 | 3 1.3 5.9 | 3 0.8 5.0 | 3 0.6 5.0 | 1 2.0 7.3 | 3 1.2 6.0 | 3 0.8 5.0 | 3 0.7 5.5 | 10      |
| 11      | 3 0.5 5.5 | 2 0.3 4.9 | 2 0.2 5.2 | 2 0.2 5.3 | 3 0.4 4.8 | 2 0.2 4.7 | 2 0.2 4.6 | 2 0.3 4.8 | 11      |
| 12      | 2 0.3 5.2 | 2 0.3 5.3 | 2 0.3 5.2 | 2 0.2 5.0 | 2 0.3 4.8 | 2 0.2 5.0 | 2 0.2 5.4 | 2 0.2 4.8 | 12      |
| 13      | 2 0.2 5.4 | 2 0.2 4.8 | 2 0.2 5.0 | 2 0.1 5.0 | 2 0.2 5.2 | 2 0.2 4.6 | 2 0.2 4.8 | 2 0.1 4.6 | 13      |
| 14      | 2 0.1 4.5 | 2 0.1 4.8 | 2 0.1 4.4 | 2 0.2 4.8 | 2 0.1 4.5 | 2 0.1 4.5 | 2 0.1 4.5 | 2 0.2 4.7 | 14      |
| 15      | 1 0.3 4.7 | 1 0.4 4.8 | 1 0.4 4.8 | 1 0.4 5.0 | 1 0.3 4.5 | 1 0.3 4.6 | 1 0.4 5.1 | 1 0.3 4.6 | 15      |
| 16      | 1 0.3 4.5 | 3 0.3 4.3 | 3 0.4 4.7 | 3 0.3 4.7 | 3 0.3 4.3 | 3 0.3 4.5 | 3 0.3 4.3 | 3 0.3 4.8 | 16      |

### Microseisms. Nord

| 1959    | 0h        | 6h        | 12h       | 18h       | 0h        | 6h        | 12h       | 12h       | 1959    |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|
| October |           |           |           |           |           |           |           |           | October |
| 17      | 1 0.3 5.0 | 3 0.3 5.2 | .. ..     | .. ..     | 2 0.3 5.0 | 2 0.3 5.3 | 3 0.4 5.3 | 3 0.4 5.1 | 17      |
| 18      | 3 0.5 5.4 | 3 0.3 5.8 | 3 0.4 5.5 | 3 0.3 5.8 | 3 0.5 5.5 | 3 0.3 5.6 | 3 0.3 5.5 | 3 0.4 5.3 | 18      |
| 19      | 3 0.2 5.7 | 3 0.3 5.0 | 2 0.3 5.5 | 1 0.4 5.4 | 3 0.3 4.5 | 3 0.2 4.3 | 3 0.3 5.0 | 1 0.3 4.8 | 19      |
| 20      | 1 0.4 4.8 | 3 0.5 5.3 | 1 0.9 5.3 | 3 0.8 5.3 | 3 0.3 5.1 | 1 0.5 5.7 | 1 1.1 5.8 | 1 1.2 5.5 | 20      |
| 21      | 1 1.3 5.5 | 1 2.8 6.2 | 1 4.1 6.5 | 1 4.0 6.8 | 1 0.9 5.2 | 1 2.9 6.3 | 1 3.0 6.7 | 1 3.4 6.7 | 21      |
| 22      | 1 4.1 6.8 | 1 4.0 6.7 | 1 3.3 6.5 | 1 2.2 6.0 | 1 4.2 6.9 | 1 4.8 7.3 | 1 3.0 6.5 | 1 2.0 5.9 | 22      |
| 23      | 3 1.2 5.5 | 3 0.8 5.1 | 3 0.7 5.1 | 3 0.7 5.2 | 3 1.3 5.1 | 3 0.9 4.9 | 3 0.9 5.0 | 3 0.5 5.0 | 23      |
| 24      | 3 0.5 5.2 | 3 0.4 4.8 | 3 0.5 5.0 | 3 0.5 5.2 | 3 0.5 5.3 | 3 0.4 5.0 | 3 0.5 5.0 | 3 0.5 5.3 | 24      |
| 25      | .. ..     | 3 0.3 5.3 | 3 0.2 5.4 | 3 0.2 5.5 | .. ..     | 3 0.2 5.0 | 3 0.2 5.3 | 3 0.2 4.9 | 25      |
| 26      | 2 0.3 5.2 | 2 0.2 5.2 | 3 0.3 5.- | 3 0.2 5.5 | 2 0.3 5.3 | 2 0.2 5.6 | 2 0.3 5.3 | 3 0.2 5.3 | 26      |
| 27      | 3 0.2 4.6 | 3 0.3 4.7 | 3 0.3 5.0 | 3 0.3 4.5 | 3 0.2 5.- | 2 0.3 5.0 | 2 0.3 5.2 | 2 0.3 4.6 | 27      |
| 28      | 2 0.2 4.7 | 2 0.2 4.9 | 1 0.5 4.9 | 1 0.5 5.0 | 3 0.2 4.6 | 3 0.3 4.5 | 1 0.5 4.8 | 1 0.5 4.9 | 28      |
| 29      | 1 0.8 5.0 | 1 1.2 5.0 | 1 1.0 5.2 | 1 0.7 5.4 | 1 0.7 5.1 | 1 1.1 5.2 | 1 0.8 4.9 | 3 0.6 5.2 | 29      |
| 30      | 2 0.3 4.8 | 2 0.4 4.8 | 2 0.3 4.6 | 2 0.3 5.3 | 1 0.5 5.0 | 3 0.5 4.8 | 2 0.4 4.3 | 2 0.5 5.0 | 30      |
| 31      | 3 0.3 5.0 | 3 0.3 4.5 | 3 0.4 4.8 | 3 0.5 4.5 | 3 0.4 4.5 | 3 0.5 4.0 | 3 0.5 4.0 | 3 0.5 4.0 | 31      |
| Nov.    |           |           |           |           |           |           |           |           | Nov.    |
| 1       | 3 0.3 4.5 | 3 0.3 4.5 | 3 0.3 4.5 | 3 0.4 4.5 | 3 0.4 4.2 | 3 0.4 4.0 | 3 0.4 4.0 | 3 0.3 4.0 | 1       |
| 2       | 3 0.4 5.0 | .. ..     | 3 0.7 5.3 | 2 0.5 5.2 | 3 0.3 4.5 | 3 0.6 5.5 | 3 0.9 5.7 | 3 0.6 5.1 | 2       |
| 3       | 2 0.4 4.8 | 3 0.6 5.8 | 3 1.0 5.9 | 3 1.3 6.2 | 2 0.4 4.9 | 3 0.7 5.5 | 3 1.1 6.0 | 3 1.0 5.9 | 3       |
| 4       | 3 0.5 5.8 | 3 0.7 5.3 | 3 0.6 5.5 | 3 0.5 4.8 | 3 0.8 5.5 | 3 0.8 5.4 | 3 0.7 5.0 | 3 0.7 5.2 | 4       |
| 5       | 3 0.7 4.7 | 3 0.6 5.2 | 3 0.6 5.2 | 3 0.6 5.4 | 3 0.8 4.8 | 3 0.7 5.1 | 3 0.6 5.2 | 3 0.5 5.8 | 5       |
| 6       | 3 0.4 5.5 | 3 0.5 5.2 | 3 0.3 5.0 | 3 0.2 5.3 | 3 0.6 5.7 | 3 0.6 5.4 | 3 0.4 5.1 | 3 0.3 5.0 | 6       |
| 7       | 3 0.2 4.8 | 3 0.2 5.0 | 3 0.3 4.6 | 1 0.4 4.9 | 3 0.2 4.6 | 3 0.2 4.8 | 3 0.2 4.8 | 3 0.4 4.7 | 7       |
| 8       | 1 0.7 5.1 | 1 0.8 5.2 | 1 1.0 6.1 | 1 1.4 6.4 | 2 0.8 4.8 | 1 1.0 5.0 | 1 1.2 5.8 | 1 1.5 6.2 | 8       |
| 9       | 1 1.3 6.0 | 1 1.5 6.3 | 1 1.5 6.2 | 1 1.5 7.0 | 1 1.5 5.9 | 1 1.5 6.3 | 1 1.6 6.5 | 1 1.7 6.6 | 9       |
| 10      | 1 1.6 6.6 | 3 1.1 6.0 | 3 0.9 6.0 | 3 0.7 6.2 | 1 1.7 6.7 | 3 1.1 6.1 | 3 1.0 5.8 | 3 0.6 5.7 | 10      |
| 11      | 3 0.3 5.6 | 3 0.3 5.4 | 3 0.2 5.2 | 2 0.2 5.0 | 3 0.4 5.3 | 3 0.3 5.1 | 2 0.2 4.8 | 2 0.2 5.1 | 11      |
| 12      | 2 0.3 5.6 | 2 0.3 5.3 | 2 0.2 4.8 | .. ..     | 2 0.3 4.8 | 2 0.3 5.0 | 2 0.2 4.7 | 2 0.2 5.1 | 12      |
| 13      | 2 0.3 5.3 | 2 0.3 4.9 | 2 0.2 4.8 | 2 0.2 4.7 | 2 0.3 5.0 | 2 0.3 5.0 | 2 0.2 5.1 | 2 0.2 4.9 | 13      |
| 14      | 2 0.3 5.0 | 2 0.4 5.4 | 2 0.5 5.5 | 2 0.3 5.1 | 2 0.2 4.7 | 2 0.3 5.6 | 2 0.3 5.4 | 2 0.3 5.3 | 14      |
| 15      | 2 0.3 4.8 | 2 0.3 4.8 | 2 0.3 4.6 | .. ..     | 2 0.2 4.8 | 2 0.3 4.6 | 2 0.3 5.0 | .. ..     | 15      |
| 16      | 2 0.2 4.4 | 3 0.5 5.2 | 3 1.1 5.4 | 3 0.6 5.0 | 2 0.2 4.6 | 3 0.4 4.9 | 3 0.9 5.2 | 3 0.5 4.5 | 16      |
| 17      | 1 1.4 5.8 | 1 1.3 6.3 | 1 1.0 6.0 | 3 0.5 4.9 | 1 1.4 5.7 | 3 1.2 5.9 | 3 1.3 6.0 | 3 0.6 5.8 | 17      |
| 18      | 2 0.4 5.4 | 2 0.7 5.8 | 2 0.4 6.3 | 2 0.3 5.4 | 2 0.5 5.8 | 2 0.5 5.5 | 2 0.6 5.4 | 2 0.2 5.6 | 18      |
| 19      | 2 0.3 5.1 | 2 0.3 5.7 | 2 0.3 5.8 | 2 0.2 5.6 | 2 0.3 5.4 | 2 0.3 5.5 | .. ..     | 2 0.2 5.7 | 19      |
| 20      | 2 0.2 5.2 | 2 0.3 5.8 | 2 0.3 5.6 | 2 0.3 5.4 | 2 0.2 5.3 | 2 0.2 5.3 | 2 0.3 5.5 | 2 0.3 5.7 | 20      |
| 21      | 3 0.6 5.5 | 3 0.8 6.2 | 3 0.8 6.5 | 3 0.9 6.6 | 3 0.5 6.0 | 3 0.7 6.2 | 3 0.8 6.2 | 1 1.3 6.5 | 21      |
| 22      | 1 1.2 6.7 | 1 1.2 6.8 | 1 1.0 6.8 | 1 1.0 6.8 | 1 1.1 6.5 | 1 1.3 6.9 | 1 1.2 6.8 | 3 1.0 6.6 | 22      |
| 23      | 3 1.0 6.5 | 3 0.8 6.0 | 3 1.0 6.8 | 3 0.9 6.5 | 3 0.8 6.8 | 3 1.0 6.5 | 3 1.1 6.4 | 3 1.0 6.7 | 23      |
| 24      | .. ..     | .. ..     | .. ..     | .. ..     | 3 0.7 6.3 | 1 1.0 6.8 | 1 1.0 7.0 | 3 0.6 6.8 | 24      |
| 25      | .. ..     | 3 0.6 6.3 | 3 0.5 6.0 | 3 0.4 5.6 | .. ..     | 3 0.7 6.4 | 3 0.4 6.5 | 3 0.4 5.5 | 25      |
| 26      | 2 0.4 5.7 | 2 0.3 5.1 | 2 0.3 5.5 | 2 0.3 5.3 | 2 0.5 5.3 | 2 0.4 5.2 | 2 0.4 5.0 | 2 0.4 4.8 | 26      |
| 27      | 2 0.7 5.3 | 3 0.9 5.2 | 3 1.1 5.8 | 3 1.0 5.7 | 2 0.6 4.9 | 3 0.9 4.7 | 3 1.2 6.0 | 3 1.2 6.0 | 27      |
| 28      | 3 1.4 5.5 | 3 1.0 5.1 | 3 0.8 5.8 | 3 0.6 6.2 | 3 1.1 5.2 | 3 1.0 5.9 | 3 0.6 5.4 | 3 0.4 5.5 | 28      |
| 29      | .. ..     | 3 0.4 5.5 | 3 0.5 5.3 | 3 0.6 5.7 | 3 0.3 5.2 | 3 0.3 5.5 | 3 0.4 5.8 | 3 0.5 5.4 | 29      |
| 30      | .. ..     | 3 0.7 5.7 | 3 0.5 6.0 | 2 0.3 5.8 | .. ..     | 3 0.6 5.5 | 3 0.5 5.3 | 3 0.3 5.0 | 30      |
| Decbr.  |           |           |           |           |           |           |           |           | Decbr.  |
| 1       | .. ..     | 3 0.2 5.2 | 2 0.2 4.9 | 2 0.2 5.2 | 2 0.2 4.7 | 2 0.2 4.8 | 2 0.2 5.0 | 2 0.2 4.6 | 1       |
| 2       | 2 0.3 4.7 | 2 0.3 4.9 | 3 0.4 5.7 | 3 0.6 5.6 | 2 0.3 4.9 | 2 0.3 5.3 | 3 0.3 5.0 | 3 0.4 4.8 | 2       |
| 3       | 1 1.0 6.1 | 1 1.5 6.3 | 1 1.4 6.4 | 1 1.2 5.7 | 1 0.9 6.0 | 1 1.1 6.5 | 3 0.9 6.2 | 1 0.9 5.9 | 3       |
| 4       | 3 1.1 5.6 | 3 1.1 5.1 | 3 0.8 5.8 | 3 0.7 5.9 | 3 1.0 5.5 | 3 0.9 6.0 | 3 0.7 5.0 | 3 0.6 5.0 | 4       |
| 5       | 3 0.6 4.8 | 3 0.8 5.0 | 3 0.7 5.7 | 3 0.4 5.7 | 3 0.6 5.5 | 3 0.6 5.3 | 3 0.4 5.3 | 3 0.3 5.2 | 5       |
| 6       | .. ..     | .. ..     | .. ..     | .. ..     | .. ..     | .. ..     | .. ..     | .. ..     | 6       |
| 7       | 3 0.3 5.6 | 3 0.6 6.0 | 3 0.6 5.4 | 1 1.1 6.3 | 3 0.4 5.2 | 3 0.6 5.6 | 3 0.5 5.8 | 3 0.6 6.0 | 7       |
| 8       | 1 2.3 6.7 | 1 3.4 7.2 | 1 3.0 6.8 | 1 2.0 6.8 | 1 1.6 7.2 | 1 2.5 7.3 | 1 1.8 6.4 | 1 1.0 6.8 | 8       |

### Microseisms. Nord

| 1959    | 0h        | 6h        | 12h       | 18h       | 0h        | 6h        | 12h       | 12h       | 1959    |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|
| October |           |           |           |           |           |           |           |           | October |
| 17      | 1 0.3 5.0 | 3 0.3 5.2 | .. ..     | .. ..     | 2 0.3 5.0 | 2 0.3 5.3 | 3 0.4 5.3 | 3 0.4 5.1 | 17      |
| 18      | 3 0.5 5.4 | 3 0.3 5.8 | 3 0.4 5.5 | 3 0.3 5.8 | 3 0.5 5.5 | 3 0.3 5.6 | 3 0.3 5.5 | 3 0.4 5.3 | 18      |
| 19      | 3 0.2 5.7 | 3 0.3 5.0 | 2 0.3 5.5 | 1 0.4 5.4 | 3 0.3 4.5 | 3 0.2 4.3 | 3 0.3 5.0 | 1 0.3 4.8 | 19      |
| 20      | 1 0.4 4.8 | 3 0.5 5.3 | 1 0.9 5.3 | 3 0.8 5.3 | 3 0.3 5.1 | 1 0.5 5.7 | 1 1.1 5.8 | 1 1.2 5.5 | 20      |
| 21      | 1 1.3 5.5 | 1 2.8 6.2 | 1 4.1 6.5 | 1 4.0 6.8 | 1 0.9 5.2 | 1 2.9 6.3 | 1 3.0 6.7 | 1 3.4 6.7 | 21      |
| 22      | 1 4.1 6.8 | 1 4.0 6.7 | 1 3.3 6.5 | 1 2.2 6.0 | 1 4.2 6.9 | 1 4.8 7.3 | 1 3.0 6.5 | 1 2.0 5.9 | 22      |
| 23      | 3 1.2 5.5 | 3 0.8 5.1 | 3 0.7 5.1 | 3 0.7 5.2 | 3 1.3 5.1 | 3 0.9 4.9 | 3 0.9 5.0 | 3 0.5 5.0 | 23      |
| 24      | 3 0.5 5.2 | 3 0.4 4.8 | 3 0.5 5.0 | 3 0.5 5.2 | 3 0.5 5.3 | 3 0.4 5.0 | 3 0.5 5.0 | 3 0.5 5.3 | 24      |
| 25      | .. ..     | 3 0.3 5.3 | 3 0.2 5.4 | 3 0.2 5.5 | .. ..     | 3 0.2 5.0 | 3 0.2 5.3 | 3 0.2 4.9 | 25      |
| 26      | 2 0.3 5.2 | 2 0.2 5.2 | 3 0.3 5.- | 3 0.2 5.5 | 2 0.3 5.3 | 2 0.2 5.6 | 2 0.3 5.3 | 3 0.2 5.3 | 26      |
| 27      | 3 0.2 4.6 | 3 0.3 4.7 | 3 0.3 5.0 | 3 0.3 4.5 | 3 0.2 5.- | 2 0.3 5.0 | 2 0.3 5.2 | 2 0.3 4.6 | 27      |
| 28      | 2 0.2 4.7 | 2 0.2 4.9 | 1 0.5 4.9 | 1 0.5 5.0 | 3 0.2 4.6 | 3 0.3 4.5 | 1 0.5 4.8 | 1 0.5 4.9 | 28      |
| 29      | 1 0.8 5.0 | 1 1.2 5.0 | 1 1.0 5.2 | 1 0.7 5.4 | 1 0.7 5.1 | 1 1.1 5.2 | 1 0.8 4.9 | 3 0.6 5.2 | 29      |
| 30      | 2 0.3 4.8 | 2 0.4 4.8 | 2 0.3 4.6 | 2 0.3 5.3 | 1 0.5 5.0 | 3 0.5 4.8 | 2 0.4 4.3 | 2 0.5 5.0 | 30      |
| 31      | 3 0.3 5.0 | 3 0.3 4.5 | 3 0.4 4.8 | 3 0.5 4.5 | 3 0.4 4.5 | 3 0.5 4.0 | 3 0.5 4.0 | 3 0.5 4.0 | 31      |
| Nov.    |           |           |           |           |           |           |           |           | Nov.    |
| 1       | 3 0.3 4.5 | 3 0.3 4.5 | 3 0.3 4.5 | 3 0.4 4.5 | 3 0.4 4.2 | 3 0.4 4.0 | 3 0.4 4.0 | 3 0.3 4.0 | 1       |
| 2       | 3 0.4 5.0 | .. ..     | 3 0.7 5.3 | 2 0.5 5.2 | 3 0.3 4.5 | 3 0.6 5.5 | 3 0.9 5.7 | 3 0.6 5.1 | 2       |
| 3       | 2 0.4 4.8 | 3 0.6 5.8 | 3 1.0 5.9 | 3 1.3 6.2 | 2 0.4 4.9 | 3 0.7 5.5 | 3 1.1 6.0 | 3 1.0 5.9 | 3       |
| 4       | 3 0.5 5.8 | 3 0.7 5.3 | 3 0.6 5.5 | 3 0.5 4.8 | 3 0.8 5.5 | 3 0.8 5.4 | 3 0.7 5.0 | 3 0.7 5.2 | 4       |
| 5       | 3 0.7 4.7 | 3 0.6 5.2 | 3 0.6 5.2 | 3 0.6 5.4 | 3 0.8 4.8 | 3 0.7 5.1 | 3 0.6 5.2 | 3 0.5 5.8 | 5       |
| 6       | 3 0.4 5.5 | 3 0.5 5.2 | 3 0.3 5.0 | 3 0.2 5.3 | 3 0.6 5.7 | 3 0.6 5.4 | 3 0.4 5.1 | 3 0.3 5.0 | 6       |
| 7       | 3 0.2 4.8 | 3 0.2 5.0 | 3 0.3 4.6 | 1 0.4 4.9 | 3 0.2 4.6 | 3 0.2 4.8 | 3 0.2 4.8 | 3 0.4 4.7 | 7       |
| 8       | 1 0.7 5.1 | 1 0.8 5.2 | 1 1.0 6.1 | 1 1.4 6.4 | 2 0.8 4.8 | 1 1.0 5.0 | 1 1.2 5.8 | 1 1.5 6.2 | 8       |
| 9       | 1 1.3 6.0 | 1 1.5 6.3 | 1 1.5 6.2 | 1 1.5 7.0 | 1 1.5 5.9 | 1 1.5 6.3 | 1 1.6 6.5 | 1 1.7 6.6 | 9       |
| 10      | 1 1.6 6.6 | 3 1.1 6.0 | 3 0.9 6.0 | 3 0.7 6.2 | 1 1.7 6.7 | 3 1.1 6.1 | 3 1.0 5.8 | 3 0.6 5.7 | 10      |
| 11      | 3 0.3 5.6 | 3 0.3 5.4 | 3 0.2 5.2 | 2 0.2 5.0 | 3 0.4 5.3 | 3 0.3 5.1 | 2 0.2 4.8 | 2 0.2 5.1 | 11      |
| 12      | 2 0.3 5.6 | 2 0.3 5.3 | 2 0.2 4.8 | .. ..     | 2 0.3 4.8 | 2 0.3 5.0 | 2 0.2 4.7 | 2 0.2 5.1 | 12      |
| 13      | 2 0.3 5.3 | 2 0.3 4.9 | 2 0.2 4.8 | 2 0.2 4.7 | 2 0.3 5.0 | 2 0.3 5.0 | 2 0.2 5.1 | 2 0.2 4.9 | 13      |
| 14      | 2 0.3 5.0 | 2 0.4 5.4 | 2 0.5 5.5 | 2 0.3 5.1 | 2 0.2 4.7 | 2 0.3 5.6 | 2 0.3 5.4 | 2 0.3 5.3 | 14      |
| 15      | 2 0.3 4.8 | 2 0.3 4.8 | 2 0.3 4.6 | .. ..     | 2 0.2 4.8 | 2 0.3 4.6 | 2 0.3 5.0 | .. ..     | 15      |
| 16      | 2 0.2 4.4 | 3 0.5 5.2 | 3 1.1 5.4 | 3 0.6 5.0 | 2 0.2 4.6 | 3 0.4 4.9 | 3 0.9 5.2 | 3 0.5 4.5 | 16      |
| 17      | 1 1.4 5.8 | 1 1.3 6.3 | 1 1.0 6.0 | 3 0.5 4.9 | 1 1.4 5.7 | 3 1.2 5.9 | 3 1.3 6.0 | 3 0.6 5.8 | 17      |
| 18      | 2 0.4 5.4 | 2 0.7 5.8 | 2 0.4 6.3 | 2 0.3 5.4 | 2 0.5 5.8 | 2 0.5 5.5 | 2 0.6 5.4 | 2 0.2 5.6 | 18      |
| 19      | 2 0.3 5.1 | 2 0.3 5.7 | 2 0.3 5.8 | 2 0.2 5.6 | 2 0.3 5.4 | 2 0.3 5.5 | .. ..     | 2 0.2 5.7 | 19      |
| 20      | 2 0.2 5.2 | 2 0.3 5.8 | 2 0.3 5.6 | 2 0.3 5.4 | 2 0.2 5.3 | 2 0.2 5.3 | 2 0.3 5.5 | 2 0.3 5.7 | 20      |
| 21      | 3 0.6 5.5 | 3 0.8 6.2 | 3 0.8 6.5 | 3 0.9 6.6 | 3 0.5 6.0 | 3 0.7 6.2 | 3 0.8 6.2 | 1 1.3 6.5 | 21      |
| 22      | 1 1.2 6.7 | 1 1.2 6.8 | 1 1.0 6.8 | 1 1.0 6.8 | 1 1.1 6.5 | 1 1.3 6.9 | 1 1.2 6.8 | 3 1.0 6.6 | 22      |
| 23      | 3 1.0 6.5 | 3 0.8 6.0 | 3 1.0 6.8 | 3 0.9 6.5 | 3 0.8 6.8 | 3 1.0 6.5 | 3 1.1 6.4 | 3 1.0 6.7 | 23      |
| 24      | .. ..     | .. ..     | .. ..     | .. ..     | 3 0.7 6.3 | 1 1.0 6.8 | 1 1.0 7.0 | 3 0.6 6.8 | 24      |
| 25      | .. ..     | 3 0.6 6.3 | 3 0.5 6.0 | 3 0.4 5.6 | .. ..     | 3 0.7 6.4 | 3 0.4 6.5 | 3 0.4 5.5 | 25      |
| 26      | 2 0.4 5.7 | 2 0.3 5.1 | 2 0.3 5.5 | 2 0.3 5.3 | 2 0.5 5.3 | 2 0.4 5.2 | 2 0.4 5.0 | 2 0.4 4.8 | 26      |
| 27      | 2 0.7 5.3 | 3 0.9 5.2 | 3 1.1 5.8 | 3 1.0 5.7 | 2 0.6 4.9 | 3 0.9 4.7 | 3 1.2 6.0 | 3 1.2 6.0 | 27      |
| 28      | 3 1.4 5.5 | 3 1.0 5.1 | 3 0.8 5.8 | 3 0.6 6.2 | 3 1.1 5.2 | 3 1.0 5.9 | 3 0.6 5.4 | 3 0.4 5.5 | 28      |
| 29      | .. ..     | 3 0.4 5.5 | 3 0.5 5.3 | 3 0.6 5.7 | 3 0.3 5.2 | 3 0.3 5.5 | 3 0.4 5.8 | 3 0.5 5.4 | 29      |
| 30      | .. ..     | 3 0.7 5.7 | 3 0.5 6.0 | 2 0.3 5.8 | .. ..     | 3 0.6 5.5 | 3 0.5 5.3 | 3 0.3 5.0 | 30      |
| Dechr.  |           |           |           |           |           |           |           |           | Dechr.  |
| 1       | .. ..     | 3 0.2 5.2 | 2 0.2 4.9 | 2 0.2 5.2 | 2 0.2 4.7 | 2 0.2 4.8 | 2 0.2 5.0 | 2 0.2 4.6 | 1       |
| 2       | 2 0.3 4.7 | 2 0.3 4.9 | 3 0.4 5.7 | 3 0.6 5.6 | 2 0.3 4.9 | 2 0.3 5.3 | 3 0.3 5.0 | 3 0.4 4.8 | 2       |
| 3       | 1 1.0 6.1 | 1 1.5 6.3 | 1 1.4 6.4 | 1 1.2 5.7 | 1 0.9 6.0 | 1 1.1 6.5 | 3 0.9 6.2 | 1 0.9 5.9 | 3       |
| 4       | 3 1.1 5.6 | 3 1.1 5.1 | 3 0.8 5.8 | 3 0.7 5.9 | 3 1.0 5.5 | 3 0.9 6.0 | 3 0.7 5.0 | 3 0.6 5.0 | 4       |
| 5       | 3 0.6 4.8 | 3 0.8 5.0 | 3 0.7 5.7 | 3 0.4 5.7 | 3 0.6 5.5 | 3 0.6 5.3 | 3 0.4 5.3 | 3 0.3 5.2 | 5       |
| 6       | .. ..     | .. ..     | .. ..     | .. ..     | .. ..     | .. ..     | .. ..     | .. ..     | 6       |
| 7       | 3 0.3 5.6 | 3 0.6 6.0 | 3 0.6 5.4 | 1 1.1 6.3 | 3 0.4 5.2 | 3 0.6 5.6 | 3 0.5 5.8 | 3 0.6 6.0 | 7       |
| 8       | 1 2.3 6.7 | 1 3.4 7.2 | 1 3.0 6.8 | 1 2.0 6.8 | 1 1.6 7.2 | 1 2.5 7.3 | 1 1.8 6.4 | 1 1.0 6.8 | 8       |



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### Microseisms. Nord

| 1959<br>Decbr. | N         |           |           |           | E         |           |           |           | 1959<br>Decbr. |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------|
|                | 0h        | 6h        | 12h       | 18h       | 0h        | 6h        | 12h       | 18h       |                |
| 9              | 1 1.6 6.6 | 3 1.3 6.8 | 3 1.4 6.6 | 3 1.0 6.5 | 3 1.0 6.8 | 3 0.9 6.2 | 3 1.0 5.9 | 3 0.7 5.5 | 9              |
| 10             | 3 0.7 5.5 | 3 0.9 5.4 | 3 1.0 5.4 | 3 1.1 6.3 | 3 0.8 5.3 | 3 0.8 5.5 | 3 0.7 5.3 | 3 0.8 5.8 | 10             |
| 11             | .. ..     | 3 1.0 6.5 | 3 0.8 5.5 | 3 0.4 4.3 | 3 0.9 5.3 | 3 0.6 4.5 | 3 0.5 4.8 | 3 0.3 4.3 | 11             |
| 12             | 3 0.4 5.0 | 3 0.3 5.3 | 3 0.5 5.1 | 2 0.5 4.7 | 3 0.3 4.5 | 3 0.3 4.6 | 3 0.4 4.5 | 3 0.5 5.0 | 12             |
| 12             | 1 0.7 5.2 | 3 0.6 5.1 | 3 0.3 4.6 | 3 0.3 4.9 | 3 0.5 4.9 | 3 0.5 4.5 | 3 0.3 4.3 | 3 0.2 4.6 | 13             |
| 14             | 3 0.3 5.3 | 3 0.6 5.8 | 3 0.9 5.8 | 3 0.7 5.4 | 3 0.4 5.0 | 3 0.4 5.1 | 3 0.5 5.0 | 3 0.4 5.6 | 14             |
| 15             | .. ..     | 1 1.6 6.6 | 1 1.5 6.6 | 1 1.0 6.8 | .. ..     | 1 0.9 5.8 | 1 1.0 6.8 | 1 0.8 6.0 | 15             |
| 16             | 1 1.2 6.7 | 1 1.2 6.6 | 2 0.9 5.8 | 2 0.6 5.9 | 1 1.1 6.5 | 3 0.9 5.8 | 2 0.6 5.8 | 2 0.6 6.0 | 16             |
| 17             | 1 0.9 6.3 | 1 1.3 5.8 | 1 1.4 7.0 | 1 2.4 7.3 | 3 0.5 5.5 | 3 0.5 5.9 | 1 1.1 7.5 | 1 1.6 7.0 | 17             |
| 18             | 1 2.3 7.4 | 1 1.5 6.5 | 1 1.2 6.1 | 1 1.1 6.5 | 1 1.3 7.2 | 3 0.7 6.5 | 1 0.9 5.6 | 3 0.7 5.8 | 18             |
| 19             | 1 1.1 6.1 | 3 1.2 6.0 | 1 1.4 5.5 | 1 1.3 6.3 | 1 1.0 6.0 | 1 0.9 6.0 | 1 1.0 5.7 | 1 0.9 6.3 | 19             |
| 20             | .. ..     | 1 2.1 6.2 | 1 1.8 6.3 | 1 1.1 6.6 | .. ..     | 1 1.8 5.9 | 1 1.4 6.6 | 1 1.0 6.3 | 20             |
| 21             | .. ..     | 3 0.6 6.3 | .. ..     | 3 0.6 5.3 | .. ..     | 3 0.6 5.8 | .. ..     | 3 0.5 6.0 | 21             |
| 22             | 3 0.6 5.3 | 3 0.6 5.4 | 3 0.5 5.5 | 3 0.5 5.6 | 3 0.5 5.2 | 3 0.7 6.0 | 3 0.6 5.6 | 3 0.5 6.0 | 22             |
| 23             | 3 0.6 5.3 | 3 0.9 5.9 | 3 1.1 5.8 | 1 1.0 5.5 | 3 0.5 5.5 | 3 0.9 5.8 | 3 1.2 5.8 | 3 1.0 5.8 | 23             |
| 24             | 3 1.1 6.0 | 2 0.9 5.8 | 2 0.8 6.0 | 2 0.6 5.3 | 1 1.2 6.3 | 2 1.0 6.3 | 2 0.7 6.2 | 3 0.6 5.5 | 24             |
| 25             | 3 0.4 4.8 | 3 0.4 5.0 | 3 0.3 5.2 | 3 0.2 5.0 | 3 0.6 4.6 | 3 0.4 4.9 | 3 0.4 5.0 | 3 0.2 5.- | 25             |
| 26             | 3 0.3 5.3 | 3 0.2 5.4 | 2 0.2 5.6 | 3 0.2 5.4 | 3 0.3 5.7 | 3 0.2 5.7 | 3 0.2 5.4 | 3 0.2 5.- | 26             |
| 27             | 3 0.3 5.8 | 3 0.3 5.3 | 3 0.2 5.5 | 3 0.3 5.3 | 3 0.2 5.3 | 3 0.3 5.2 | 3 0.3 5.3 | 3 0.3 5.0 | 27             |
| 28             | 3 0.5 5.0 | 1 0.9 5.3 | 2 0.7 5.2 | 2 0.6 4.8 | 2 0.5 5.5 | 1 0.8 5.5 | 3 0.7 4.8 | 2 0.7 5.3 | 28             |
| 29             | 2 0.7 5.2 | 2 0.5 5.0 | 2 0.5 4.8 | 2 0.4 5.3 | 2 0.6 4.7 | 2 0.6 5.3 | 2 0.5 5.4 | 2 0.4 5.0 | 29             |
| 30             | 3 0.5 5.0 | 3 0.5 5.0 | 2 0.6 6.2 | 2 0.5 6.3 | 3 0.5 5.6 | 3 0.5 5.6 | 3 0.6 6.5 | 3 0.5 6.5 | 30             |
| 31             | 3 0.6 6.2 | 3 0.4 6.0 | 3 0.3 5.9 | 3 0.4 6.2 | 3 0.6 5.8 | 3 0.6 5.5 | 3 0.4 6.3 | 3 0.4 5.9 | 31             |