

## V.8. Курило-Охотский регион ( $M \geq 3.3$ )

по данным СФ ГС РАН (SKHL) и КФ ГС РАН (KRSC)

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**Сост.: М.В. Пиневич, Ж.В. Гладырь,**  
**С.В. Швидская**

| №  | Дата, год м д |       |       | Время, $t_0$ , ч мин с |      |       | $\delta t_0$ , с | Гипоцентр |      |         |       |     | $K_C$ | $K_S$ | Магнитуды |     |     |     |     |      |                | Код сети       | I |
|----|---------------|-------|-------|------------------------|------|-------|------------------|-----------|------|---------|-------|-----|-------|-------|-----------|-----|-----|-----|-----|------|----------------|----------------|---|
|    | φ, °N         | δφ, ° | λ, °E | δλ, °                  | δ, ° | h, км |                  | δh, км    | MLH  | MPV     | MPVA  | MSH |       |       | MSHA      | MPH | M   |     |     |      |                |                |   |
| 1  | 2010          | 1     | 1     | 9                      | 1    | 43.8  | 1.1              | 46.53     | 0.08 | 152.00  | 0.17  | 105 | 7     | 9.9   |           |     | 5.3 | 5.8 | 4.4 | SKHL |                |                |   |
| 2  | 2010          | 1     | 1     | 15                     | 48   | 25.8  | 2.5              | 48.919    |      | 157.302 | 0.318 | 16  | 47    | 9.5   |           |     |     |     | 3.3 | KRSC |                |                |   |
| 3  | 2010          | 1     | 3     | 11                     | 43   | 25.7  | 1.0              | 44.00     | 0.07 | 148.52  | 0.14  | 51  | 3     | 9.8   |           |     | 5.0 |     | 4.3 | SKHL |                |                |   |
| 4  | 2010          | 1     | 3     | 11                     | 58   | 35.0  | 1.0              | 47.98     | 0.21 | 154.21  | 0.40  | 35  | 3     | 8.3   |           |     | 5.0 |     | 3.6 | SKHL |                |                |   |
| 5  | 2010          | 1     | 4     | 17                     | 29   | 27.2  | 1.5              | 47.08     | 0.11 | 152.90  | 0.20  | 37  | 2     | 10.3  |           |     | 4.9 |     | 4.6 | SKHL |                |                |   |
| 6  | 2010          | 1     | 8     | 4                      | 47   | 0.0   | 0.6              | 42.83     | 0.05 | 144.92  | 0.14  | 81  | 5     | 9.2   |           |     | 4.9 | 5.5 | 4.0 | SKHL |                |                |   |
| 7  | 2010          | 1     | 8     | 5                      | 15   | 36.6  | 0.8              | 44.46     | 0.09 | 148.13  | 0.16  | 85  | 3     | 10.2  |           |     | 5.3 | 6.0 | 4.5 | SKHL |                |                |   |
| 8  | 2010          | 1     | 8     | 19                     | 3    | 36.0  | 2.5              | 48.298    |      | 155.125 | 0.546 | 167 | 38    | 9.7   |           |     |     |     | 3.4 | KRSC |                |                |   |
| 9  | 2010          | 1     | 8     | 20                     | 4    | 41.4  | 2.1              | 47.97     | 0.25 | 153.69  | 0.63  | 97  | 1     | 9.2   |           |     | 4.8 | 5.4 | 4.0 | SKHL |                |                |   |
| 10 | 2010          | 1     | 9     | 4                      | 55   | 14.4  | 0.5              | 46.68     | 0.11 | 152.76  | 0.18  | 74  | 2     | 9.8   |           |     | 4.6 |     | 4.3 | SKHL |                |                |   |
| 11 | 2010          | 1     | 9     | 5                      | 24   | 27.1  | 0.2              | 44.09     | 0.04 | 148.16  | 0.08  | 56  | 5     | 8.8   |           |     | 4.7 |     | 3.8 | SKHL |                |                |   |
| 12 | 2010          | 1     | 9     | 14                     | 1    | 4.0   | 0.4              | 43.10     | 0.04 | 144.80  | 0.12  | 85  | 3     | 10.1  |           |     | 4.9 | 5.9 | 4.5 | SKHL |                |                |   |
| 13 | 2010          | 1     | 10    | 22                     | 6    | 17.3  | 0.6              | 44.50     | 0.03 | 148.40  | 0.09  | 30  | 0     | 8.4   |           |     | 4.6 |     | 3.6 | SKHL |                |                |   |
| 14 | 2010          | 1     | 11    | 23                     | 46   | 28.6  | 0.6              | 43.03     | 0.05 | 145.20  | 0.13  | 107 | 3     | 10.3  |           |     | 5.2 | 5.9 | 4.6 | SKHL |                |                |   |
| 15 | 2010          | 1     | 12    | 1                      | 26   | 45.2  | 0.4              | 45.57     | 0.09 | 151.08  | 0.07  | 125 | 3     | 10.2  |           |     | 5.0 | 6.0 | 4.5 | SKHL |                |                |   |
| 16 | 2010          | 1     | 14    | 1                      | 18   | 33.3  | 0.1              | 47.23     | 0.11 | 152.90  | 0.25  | 89  | 3     | 9.8   |           |     | 4.6 | 5.9 | 4.3 | SKHL |                |                |   |
| 17 | 2010          | 1     | 15    | 15                     | 44   | 48.1  | 0.9              | 43.58     | 0.06 | 147.03  | 0.16  | 57  | 5     | 11.3  | 4.7       | 5.8 | 5.5 |     | 5.5 | 4.7  | SKHL           | 1 <sup>1</sup> |   |
| 18 | 2010          | 1     | 15    | 20                     | 22   | 39.7  | 0.2              | 44.33     | 0.06 | 147.85  | 0.12  | 106 | 11    | 9.9   |           |     | 5.0 | 5.7 | 4.4 | SKHL |                |                |   |
| 19 | 2010          | 1     | 15    | 23                     | 23   | 57.4  | 1.5              | 48.188    |      | 155.556 | 0.186 | 30  | 13    | 9.6   |           |     |     |     | 3.3 | KRSC |                |                |   |
| 20 | 2010          | 1     | 16    | 8                      | 34   | 51.8  | 0.3              | 43.49     | 0.08 | 147.02  | 0.18  | 61  | 9     | 9.4   |           |     | 5.3 |     | 4.1 | SKHL | 2 <sup>2</sup> |                |   |
| 21 | 2010          | 1     | 17    | 10                     | 44   | 26.0  | 0.9              | 45.45     | 0.12 | 150.25  | 0.14  | 132 | 6     | 10.7  |           |     | 5.3 | 5.8 | 6.0 | 5.5  | SKHL           |                |   |
| 22 | 2010          | 1     | 17    | 23                     | 8    | 11.6  | 0.1              | 43.50     | 0.06 | 147.03  | 0.10  | 70  | 9     | 8.9   |           |     | 5.0 |     | 3.9 | SKHL |                |                |   |
| 23 | 2010          | 1     | 18    | 1                      | 2    | 19.4  | 0.8              | 46.38     | 0.07 | 153.57  | 0.13  | 57  | 4     | 12.4  | 5.8       | 6.4 | 5.9 | 5.9 | 6.2 | 5.8  | SKHL           |                |   |
| 24 | 2010          | 1     | 18    | 20                     | 2    | 52.0  | 0.7              | 45.51     | 0.13 | 152.32  | 0.17  | 45  | 5     | 10.3  |           |     | 4.7 |     | 4.6 | SKHL |                |                |   |
| 25 | 2010          | 1     | 19    | 2                      | 10   | 19.7  | 0.4              | 44.50     | 0.08 | 148.20  | 0.12  | 73  | 1     | 9.5   |           |     | 4.7 |     | 4.2 | SKHL |                |                |   |
| 26 | 2010          | 1     | 20    | 4                      | 21   | 21.4  | 0.3              | 48.24     | 0.05 | 155.05  | 0.13  | 76  | 2     | 10.4  |           |     | 5.3 |     | 4.6 | SKHL |                |                |   |
| 27 | 2010          | 1     | 20    | 8                      | 50   | 38.2  | 0.1              | 43.51     | 0.05 | 147.94  | 0.08  | 56  | 1     | 8.3   |           |     | 4.2 |     | 3.6 | SKHL |                |                |   |
| 28 | 2010          | 1     | 20    | 13                     | 10   | 29.0  | 0.6              | 43.63     | 0.02 | 146.85  | 0.04  | 28  | 1     | 8.6   |           |     | 4.6 |     | 3.7 | SKHL |                |                |   |
| 29 | 2010          | 1     | 21    | 12                     | 25   | 39.6  | 0.6              | 43.90     | 0.05 | 147.80  | 0.08  | 47  | 0     | 9.5   |           |     | 4.7 |     | 4.2 | SKHL |                |                |   |
| 30 | 2010          | 1     | 21    | 16                     | 25   | 51.5  | 0.5              | 42.10     | 0.04 | 144.14  | 0.12  | 57  | 0     | 10.2  |           |     | 5.1 |     | 4.5 | SKHL |                |                |   |
| 31 | 2010          | 1     | 22    | 2                      | 10   | 0.1   | 0.1              | 45.66     | 0.03 | 152.34  | 0.03  | 73  | 4     | 9.6   |           |     | 4.8 |     | 4.2 | SKHL |                |                |   |
| 32 | 2010          | 1     | 22    | 10                     | 39   | 6.5   | 0.3              | 43.61     | 0.06 | 147.65  | 0.09  | 82  | 7     | 10.2  |           |     | 5.0 | 6.0 | 4.5 | SKHL | 3 <sup>3</sup> |                |   |
| 33 | 2010          | 1     | 22    | 17                     | 17   | 56.5  | 0.6              | 44.44     | 0.06 | 148.26  | 0.10  | 68  | 4     | 9.0   |           |     | 4.5 |     | 3.9 | SKHL |                |                |   |
| 34 | 2010          | 1     | 22    | 19                     | 19   | 36.0  | 1.4              | 48.054    |      | 157.270 | 0.150 | 6   | 6     | 9.9   |           |     |     |     | 3.5 | KRSC |                |                |   |
| 35 | 2010          | 1     | 23    | 5                      | 11   | 24.0  | 0.1              | 45.42     | 0.06 | 148.73  | 0.14  | 139 | 4     | 10.0  |           |     | 4.9 | 5.7 | 4.4 | SKHL |                |                |   |
| 36 | 2010          | 1     | 24    | 10                     | 48   | 1.2   | 1.6              | 46.25     | 0.06 | 150.10  | 0.07  | 196 | 8     | 8.3   |           |     | 4.6 | 4.8 | 3.6 | SKHL |                |                |   |
| 37 | 2010          | 1     | 25    | 0                      | 7    | 51.9  | 0.5              | 46.63     | 0.09 | 152.90  | 0.17  | 65  | 1     | 11.2  | 4.2       |     | 5.2 |     | 4.2 | SKHL |                |                |   |
| 38 | 2010          | 1     | 26    | 0                      | 4    | 51.3  | 0.2              | 44.45     | 0.06 | 148.22  | 0.11  | 86  | 3     | 9.2   |           |     | 4.5 |     | 4.0 | SKHL |                |                |   |
| 39 | 2010          | 1     | 26    | 3                      | 23   | 27.9  | 0.1              | 44.28     | 0.10 | 147.48  | 0.20  | 95  | 5     | 9.6   |           |     | 4.8 | 5.7 | 4.2 | SKHL |                |                |   |
| 40 | 2010          | 1     | 27    | 13                     | 58   | 53.9  | 0.2              | 42.10     | 0.05 | 144.06  | 0.15  | 61  | 7     | 9.7   |           |     | 5.1 | 4.8 | 4.3 | SKHL |                |                |   |
| 41 | 2010          | 1     | 27    | 17                     | 56   | 39.3  | 0.7              | 43.37     | 0.05 | 145.34  | 0.13  | 57  | 4     | 9.5   |           |     | 5.2 |     | 4.2 | SKHL |                |                |   |

<sup>1</sup> Малокурильское (33 км) – 5 баллов; Южно-Курильск (103 км) – 2–3 балла.

<sup>2</sup> Малокурильское (43 км) – 3 балла.

<sup>3</sup> Малокурильское (69 км) – 3 балла.

| №   | Дата, |   |    | Время, $t_0$ ,<br>ч мин с | $\delta t_0$ ,<br>с | Гипоцентр      |                     |                |                     |              | $K_C$ | $K_S$ | Магнитуды |                    |     |     |      |     |      | Код<br>сети | I   |     |      |      |  |
|-----|-------|---|----|---------------------------|---------------------|----------------|---------------------|----------------|---------------------|--------------|-------|-------|-----------|--------------------|-----|-----|------|-----|------|-------------|-----|-----|------|------|--|
|     | год   | м | д  |                           |                     | $\varphi$ , °N | $\delta\varphi$ , ° | $\lambda$ , °E | $\delta\lambda$ , ° | $\delta$ , ° |       |       | h,<br>км  | $\delta h$ ,<br>км | MLH | MPV | MPVA | MSH | MSHA |             |     | MPH | M    |      |  |
| 42  | 2010  | 1 | 28 | 4                         | 5                   | 44.3           | 0.6                 | 46.60          | 0.10                | 152.80       | 0.18  | 65    | 1         | 11.7               |     | 4.4 | 5.5  | 5.4 | 5.9  |             | 5.2 | 4.4 | SKHL |      |  |
| 43  | 2010  | 1 | 28 | 5                         | 20                  | 42.6           | 0.4                 | 44.59          | 0.15                | 149.80       | 0.12  | 41    | 4         | 10.0               |     |     |      | 5.2 |      |             |     | 4.4 | SKHL |      |  |
| 44  | 2010  | 1 | 28 | 14                        | 14                  | 31.7           | 0.7                 | 45.04          | 0.07                | 147.36       | 0.14  | 142   | 7         | 9.1                |     |     |      | 4.7 |      | 5.3         |     | 4.0 | SKHL |      |  |
| 45  | 2010  | 1 | 29 | 21                        | 52                  | 25.7           | 1.0                 | 46.06          | 0.03                | 151.00       | 0.05  | 115   | 4         | 8.5                |     |     |      | 4.4 |      | 5.0         |     | 3.7 | SKHL |      |  |
| 46  | 2010  | 1 | 31 | 0                         | 15                  | 36.5           | 0.6                 | 43.46          | 0.02                | 145.88       | 0.06  | 65    | 0         | 8.5                |     |     |      | 5.0 |      |             |     | 3.7 | SKHL |      |  |
| 47  | 2010  | 1 | 31 | 4                         | 54                  | 6.2            | 2.3                 | 48.722         |                     | 155.770      |       | 0.619 | 149       | 53                 | 9.7 |     |      |     |      |             |     |     | 3.4  | KRSC |  |
| 48  | 2010  | 1 | 31 | 19                        | 49                  | 45.3           | 0.2                 | 44.06          | 0.04                | 148.17       | 0.09  | 50    | 0         | 8.8                |     |     |      | 4.3 |      |             |     | 3.8 | SKHL |      |  |
| 49  | 2010  | 2 | 2  | 7                         | 1                   | 35.3           | 0.7                 | 45.51          | 0.09                | 151.87       | 0.06  | 45    | 0         | 8.7                |     |     |      | 4.2 |      |             |     | 3.8 | SKHL |      |  |
| 50  | 2010  | 2 | 3  | 3                         | 20                  | 9.7            | 0.9                 | 47.02          | 0.10                | 153.31       | 0.18  | 50    | 9         | 9.1                |     |     |      | 5.2 |      |             |     | 4.0 | SKHL |      |  |
| 51  | 2010  | 2 | 3  | 4                         | 42                  | 43.3           | 0.9                 | 44.73          | 0.07                | 147.20       | 0.14  | 147   | 3         | 8.7                |     |     |      | 4.7 |      | 5.0         |     | 3.8 | SKHL |      |  |
| 52  | 2010  | 2 | 4  | 0                         | 27                  | 58.7           | 1.3                 | 47.10          | 0.04                | 155.44       | 0.23  | 48    | 6         | 9.4                |     |     |      | 4.5 |      |             |     | 4.1 | SKHL |      |  |
| 53  | 2010  | 2 | 4  | 10                        | 54                  | 58.7           | 0.4                 | 44.24          | 0.07                | 148.03       | 0.12  | 48    | 6         | 8.0                |     |     |      | 4.2 |      |             |     | 3.4 | SKHL |      |  |
| 54  | 2010  | 2 | 4  | 23                        | 39                  | 21.2           | 0.6                 | 42.97          | 0.01                | 145.52       | 0.06  | 61    | 2         | 9.6                |     |     |      | 5.2 |      |             |     | 4.2 | SKHL |      |  |
| 55  | 2010  | 2 | 5  | 3                         | 53                  | 28.0           | 0.3                 | 46.02          | 0.09                | 152.50       | 0.11  | 63    | 5         | 10.1               |     |     |      | 4.7 |      | 5.3         |     | 4.5 | SKHL |      |  |
| 56  | 2010  | 2 | 6  | 4                         | 44                  | 58.3           | 1.4                 | 46.53          | 0.08                | 153.19       | 0.16  | 59    | 7         | 12.9               |     | 5.8 | 6.3  | 5.9 | 6.1  |             | 6.1 | 5.8 | SKHL |      |  |
| 57  | 2010  | 2 | 6  | 5                         | 13                  | 23.4           | 0.9                 | 44.47          | 0.08                | 148.54       | 0.12  | 63    | 3         | 8.7                |     |     |      | 4.5 |      |             |     | 3.8 | SKHL |      |  |
| 58  | 2010  | 2 | 6  | 6                         | 6                   | 55.0           |                     | 46.55          | 0.07                | 153.16       | 0.18  | 38    | 2         | 9.0                |     |     |      | 4.8 |      |             |     | 3.9 | SKHL |      |  |
| 59  | 2010  | 2 | 6  | 6                         | 39                  | 31.8           | 0.7                 | 46.52          | 0.09                | 153.11       | 0.16  | 57    | 6         | 9.9                |     |     |      | 5.1 |      |             |     | 4.4 | SKHL |      |  |
| 60  | 2010  | 2 | 6  | 8                         | 1                   | 37.9           | 0.6                 | 47.01          | 0.11                | 153.22       | 0.19  | 29    | 3         | 9.0                |     |     |      | 4.8 |      |             |     | 3.9 | SKHL |      |  |
| 61  | 2010  | 2 | 6  | 22                        | 8                   | 53.9           | 0.7                 | 44.36          | 0.04                | 148.93       | 0.09  | 53    | 9         | 10.7               |     |     |      | 4.8 |      |             |     | 4.8 | SKHL |      |  |
| 62  | 2010  | 2 | 7  | 0                         | 16                  | 33.9           | 0.3                 | 47.01          | 0.12                | 152.48       | 0.17  | 80    | 4         | 9.3                |     |     |      | 4.7 |      | 5.5         |     | 4.1 | SKHL |      |  |
| 63  | 2010  | 2 | 7  | 14                        | 57                  | 0.7            | 0.9                 | 44.51          | 0.03                | 148.65       | 0.06  | 42    | 5         | 8.3                |     |     |      | 4.4 |      |             |     | 3.6 | SKHL |      |  |
| 64  | 2010  | 2 | 7  | 15                        | 23                  | 34.0           | 1.0                 | 48.26          | 0.04                | 155.12       | 0.11  | 54    | 3         | 9.7                |     |     |      | 5.1 |      |             |     | 4.3 | SKHL |      |  |
| 65  | 2010  | 2 | 7  | 15                        | 37                  | 16.6           | 1.6                 | 48.479         |                     | 156.500      |       | 0.286 | 39        | 38                 | 9.6 |     |      |     |      |             |     |     | 3.3  | KRSC |  |
| 66  | 2010  | 2 | 7  | 16                        | 57                  | 50.5           | 0.4                 | 44.98          | 0.19                | 151.21       | 0.13  | 42    | 8         | 9.0                |     |     |      | 4.8 |      |             |     | 3.9 | SKHL |      |  |
| 67  | 2010  | 2 | 8  | 14                        | 48                  | 50.1           | 0.9                 | 43.00          | 0.02                | 146.10       | 0.09  | 30    | 0         | 8.9                |     |     |      | 4.2 |      |             |     | 3.9 | SKHL |      |  |
| 68  | 2010  | 2 | 9  | 16                        | 45                  | 1.4            | 0.9                 | 44.34          | 0.05                | 148.20       | 0.09  | 32    | 9         | 9.1                |     |     |      | 4.8 |      |             |     | 4.0 | SKHL |      |  |
| 69  | 2010  | 2 | 10 | 4                         | 25                  | 45.1           | 0.3                 | 42.05          | 0.01                | 144.17       | 0.03  | 40    | 0         | 8.7                |     |     |      | 4.4 |      |             |     | 3.8 | SKHL |      |  |
| 70  | 2010  | 2 | 10 | 11                        | 16                  | 57.3           | 0.2                 | 45.23          | 0.11                | 150.24       | 0.13  | 76    | 4         | 9.1                |     |     |      | 4.4 |      |             |     | 4.0 | SKHL |      |  |
| 71  | 2010  | 2 | 10 | 17                        | 34                  | 7.4            | 0.1                 | 48.09          | 0.03                | 154.78       | 0.12  | 87    | 2         | 9.3                |     |     |      | 4.8 |      | 5.1         |     | 4.1 | SKHL |      |  |
| 72  | 2010  | 2 | 11 | 4                         | 19                  | 0.2            | 0.9                 | 44.73          | 0.07                | 147.17       | 0.17  | 137   | 8         | 9.3                |     |     |      | 5.2 |      | 5.4         |     | 4.1 | SKHL |      |  |
| 73  | 2010  | 2 | 11 | 17                        | 19                  | 11.5           | 0.1                 | 42.41          | 0.04                | 144.62       | 0.07  | 30    | 0         | 9.4                |     |     |      | 4.5 |      |             |     | 4.1 | SKHL |      |  |
| 74  | 2010  | 2 | 11 | 17                        | 34                  | 7.1            | 0.4                 | 44.63          | 0.11                | 147.10       | 0.17  | 147   | 3         | 9.1                |     |     |      | 4.8 |      | 5.3         |     | 4.0 | SKHL |      |  |
| 75  | 2010  | 2 | 13 | 9                         | 21                  | 48.2           | 0.6                 | 44.42          | 0.03                | 148.30       | 0.08  | 30    | 0         | 8.2                |     |     |      | 4.6 |      |             |     | 3.5 | SKHL |      |  |
| 76  | 2010  | 2 | 13 | 21                        | 6                   | 26.1           | 0.6                 | 43.35          | 0.03                | 147.46       | 0.08  | 30    | 0         | 8.6                |     |     |      | 4.6 |      |             |     | 3.7 | SKHL |      |  |
| 77  | 2010  | 2 | 13 | 22                        | 41                  | 43.7           | 0.7                 | 44.40          | 0.02                | 148.19       | 0.04  | 30    | 0         | 8.6                |     |     |      | 4.8 |      |             |     | 3.7 | SKHL |      |  |
| 78  | 2010  | 2 | 14 | 8                         | 58                  | 4.3            | 1.0                 | 44.07          | 0.01                | 149.17       | 0.02  | 44    | 7         | 8.0                |     |     |      | 4.7 |      |             |     | 3.4 | SKHL |      |  |
| 79  | 2010  | 2 | 15 | 5                         | 51                  | 49.7           |                     | 48.38          | 0.06                | 156.29       | 0.79  | 38    | 4         | 8.4                |     |     |      | 4.2 |      |             |     | 3.6 | SKHL |      |  |
| 80  | 2010  | 2 | 15 | 11                        | 50                  | 44.2           | 0.5                 | 46.46          | 0.05                | 153.57       | 0.13  | 53    | 1         | 10.4               |     | 4.0 |      | 5.0 |      |             |     | 4.0 | SKHL |      |  |
| 81  | 2010  | 2 | 16 | 19                        | 21                  | 43.7           | 0.3                 | 47.80          | 0.08                | 150.20       | 0.20  | 273   | 6         |                    |     |     |      | 5.0 |      | 5.5         |     | 3.7 | SKHL |      |  |
| 82  | 2010  | 2 | 17 | 13                        | 37                  | 51.3           | 0.8                 | 48.02          | 0.06                | 154.73       | 0.16  | 71    | 4         | 9.9                |     |     |      | 5.3 |      | 5.0         | 5.2 | 5.1 | SKHL |      |  |
| 83  | 2010  | 2 | 18 | 9                         | 44                  | 3.4            | 0.4                 | 46.64          | 0.05                | 153.17       | 0.08  | 74    | 8         | 9.6                |     |     |      | 4.7 |      |             |     | 4.2 | SKHL |      |  |
| 84  | 2010  | 2 | 18 | 11                        | 4                   | 30.5           | 0.5                 | 43.45          | 0.01                | 146.94       | 0.05  | 30    | 0         | 8.2                |     |     |      | 4.2 |      |             |     | 3.5 | SKHL |      |  |
| 85  | 2010  | 2 | 18 | 17                        | 30                  | 58.0           |                     | 46.70          | 0.20                | 152.87       | 0.29  | 82    | 3         | 8.3                |     |     |      | 4.2 |      |             |     | 3.6 | SKHL |      |  |
| 86  | 2010  | 2 | 18 | 23                        | 49                  | 40.8           | 0.1                 | 46.47          | 0.06                | 152.94       | 0.12  | 71    | 6         | 12.1               |     | 5.0 |      | 5.7 |      |             | 6.0 | 5.5 | SKHL |      |  |
| 87  | 2010  | 2 | 19 | 5                         | 34                  | 16.0           | 0.6                 | 46.50          | 0.13                | 152.93       | 0.21  | 73    | 7         | 9.1                |     |     |      | 5.0 |      |             |     | 4.0 | SKHL |      |  |
| 88  | 2010  | 2 | 19 | 11                        | 37                  | 45.8           | 0.5                 | 48.12          | 0.07                | 155.61       | 0.24  | 57    | 5         | 9.7                |     |     |      | 5.4 |      | 4.6         | 5.2 | 4.3 | SKHL |      |  |
| 89  | 2010  | 2 | 20 | 7                         | 48                  | 8.8            | 0.3                 | 43.85          | 0.06                | 148.13       | 0.10  | 45    | 1         | 9.2                |     |     |      | 4.6 |      |             |     | 4.0 | SKHL |      |  |
| 90  | 2010  | 2 | 20 | 11                        | 29                  | 3.1            | 0.4                 | 44.31          | 0.03                | 148.01       | 0.05  | 35    | 0         | 8.7                |     |     |      | 4.7 |      |             |     | 3.8 | SKHL |      |  |
| 91  | 2010  | 2 | 20 | 11                        | 47                  | 57.8           | 0.5                 | 44.27          | 0.06                | 148.57       | 0.14  | 54    | 2         | 11.5               |     | 4.8 | 5.7  | 5.4 | 5.0  |             | 5.3 | 4.8 | SKHL |      |  |
| 92  | 2010  | 2 | 20 | 18                        | 54                  | 42.5           | 1.7                 | 48.66          | 0.14                | 154.88       | 0.52  | 62    | 8         | 8.7                |     |     |      | 4.0 |      |             |     | 3.8 | SKHL |      |  |
| 93  | 2010  | 2 | 21 | 0                         | 8                   | 32.5           | 0.1                 | 45.04          | 0.03                | 148.35       | 0.03  | 137   | 7         | 8.7                |     |     |      | 4.8 |      | 5.1         |     | 3.8 | SKHL |      |  |
| 94  | 2010  | 2 | 21 | 14                        | 12                  | 9.0            | 0.7                 | 43.73          | 0.03                | 147.36       | 0.07  | 30    | 0         | 8.5                |     |     |      | 4.6 |      |             |     | 3.7 | SKHL |      |  |
| 95  | 2010  | 2 | 22 | 8                         | 9                   | 43.2           | 0.5                 | 47.05          | 0.10                | 145.03       | 0.30  | 391   | 14        |                    |     |     |      | 4.5 |      | 5.4         |     | 3.4 | SKHL |      |  |
| 96  | 2010  | 2 | 22 | 19                        | 47                  | 25.6           | 0.4                 | 46.00          | 0.20                | 151.27       | 0.20  | 201   | 17        |                    |     |     |      | 4.9 |      | 5.6         |     | 3.5 | SKHL |      |  |
| 97  | 2010  | 2 | 23 | 18                        | 18                  | 34.5           | 0.4                 | 46.68          | 0.08                | 153.20       | 0.13  | 63    | 4         | 9.3                |     |     |      | 4.8 |      |             |     | 4.1 | SKHL |      |  |
| 98  | 2010  | 2 | 25 | 1                         | 14                  | 50.7           | 0.8                 | 47.42          | 0.06                | 147.66       | 0.17  | 389   | 5         |                    |     |     |      | 4.9 | 4.3  | 5.1         |     | 3.8 | SKHL |      |  |
| 99  | 2010  | 2 | 25 | 5                         | 43                  | 48.0           | 0.7                 | 42.70          | 0.04                | 145.77       | 0.17  | 49    | 5         | 9.0                |     |     |      | 4.9 |      |             |     | 3.9 | SKHL |      |  |
| 100 | 2010  | 2 | 25 | 20                        | 16                  | 37.2           | 0.4                 | 46.20          | 0.07                | 154.99       | 0.11  | 77    | 1         | 8.9                |     |     |      | 4.6 |      |             |     | 3.9 | SKHL |      |  |
| 101 | 2010  | 2 | 25 | 21                        | 40                  | 38.7           | 0.1                 | 44.95          | 0.17                | 151.08       | 0.11  | 37    | 4         | 9.6                |     |     |      | 5.4 |      |             |     | 4.2 | SKHL |      |  |
| 102 | 2010  | 2 | 26 | 6                         | 25                  | 7.0            | 0.8                 | 43.72          | 0.05                | 149.81       | 0.05  | 30    | 0         | 8.1                |     |     |      | 4.7 |      |             |     | 3.5 | SKHL |      |  |

Каталоги землетрясений по различным регионам России

| №   | Дата,<br>год м д | Время, $t_0$ ,<br>ч мин с | $\delta t_0$ ,<br>с | Гипоцентр      |                     |                |                     |              | $K_C$ | $K_S$ | Магнитуды   |                    |     |     |      |     |      | Код<br>сети | I              |                |   |
|-----|------------------|---------------------------|---------------------|----------------|---------------------|----------------|---------------------|--------------|-------|-------|-------------|--------------------|-----|-----|------|-----|------|-------------|----------------|----------------|---|
|     |                  |                           |                     | $\varphi$ , °N | $\delta\varphi$ , ° | $\lambda$ , °E | $\delta\lambda$ , ° | $\delta$ , ° |       |       | $h$ ,<br>км | $\delta h$ ,<br>км | MLH | MPV | MPVA | MSH | MSHA |             |                | MPH            | M |
| 103 | 2010             | 2 26 13 46 23.7           | 1.0                 | 46.60          | 0.08                | 152.61         | 0.14                |              | 110   | 5     | 8.5         |                    |     | 4.7 | 5.0  | 5.1 | 4.8  | SKHL        |                |                |   |
| 104 | 2010             | 2 27 11 49 0.0            | 0.1                 | 48.75          | 0.08                | 156.12         | 0.46                |              | 70    | 9     | 10.2        |                    |     | 4.4 |      |     | 4.5  | SKHL        |                |                |   |
| 105 | 2010             | 2 28 3 34 2.5             | 0.5                 | 48.66          | 0.08                | 154.06         | 0.19                |              | 131   | 1     | 9.0         |                    | 5.1 | 4.7 |      | 5.3 | 3.9  | SKHL        |                |                |   |
| 106 | 2010             | 2 28 10 27 19.1           | 0.1                 | 48.34          | 0.10                | 154.38         | 0.26                |              | 78    | 1     | 9.0         |                    |     | 4.7 |      |     | 3.9  | SKHL        |                |                |   |
| 107 | 2010             | 2 28 15 49 7.2            | 1.2                 | 42.01          | 0.15                | 144.25         | 0.25                |              | 30    | 0     | 8.6         |                    |     | 4.3 |      |     | 3.7  | SKHL        |                |                |   |
| 108 | 2010             | 3 1 12 56 59.0            | 0.9                 | 45.23          | 0.07                | 150.01         | 0.08                |              | 85    | 5     | 8.9         |                    |     | 4.9 |      | 5.2 | 3.9  | SKHL        |                |                |   |
| 109 | 2010             | 3 1 14 11 53.3            | 0.2                 | 47.99          | 0.08                | 154.57         | 0.22                |              | 74    | 5     | 8.8         |                    |     | 4.5 |      |     | 3.8  | SKHL        |                |                |   |
| 110 | 2010             | 3 1 16 10 8.2             | 1.1                 | 45.50          | 0.07                | 150.56         | 0.09                |              | 60    | 5     | 8.5         |                    |     | 4.4 |      |     | 3.7  | SKHL        |                |                |   |
| 111 | 2010             | 3 2 0 52 56.9             | 1.0                 | 45.25          | 0.02                | 156.40         | 0.27                |              | 40    | 4     | 9.6         |                    |     | 4.8 |      |     | 4.2  | SKHL        |                |                |   |
| 112 | 2010             | 3 2 2 31 57.3             | 0.2                 | 43.78          | 0.03                | 147.20         | 0.06                |              | 66    | 5     | 10.0        |                    |     | 4.7 |      |     | 4.4  | SKHL        |                |                |   |
| 113 | 2010             | 3 4 0 36 3.0              | 1.0                 | 47.50          | 0.04                | 153.30         | 0.08                |              | 128   | 5     | 10.1        |                    |     | 5.2 | 5.3  | 5.6 | 5.0  | SKHL        |                |                |   |
| 114 | 2010             | 3 4 13 24 42.0            | 0.7                 | 45.86          | 0.05                | 151.79         | 0.17                |              | 64    | 5     | 11.2        |                    | 4.2 | 5.7 | 5.3  | 6.1 | 4.2  | SKHL        |                |                |   |
| 115 | 2010             | 3 4 15 33 33.3            | 0.6                 | 47.56          | 0.12                | 155.73         | 0.25                |              | 1     | 1     | 9.1         |                    |     | 4.3 |      |     | 4.0  | SKHL        |                |                |   |
| 116 | 2010             | 3 5 18 9 28.3             | 0.3                 | 43.50          | 0.08                | 147.88         | 0.17                |              | 35    | 5     | 8.2         |                    |     | 4.4 |      |     | 3.5  | SKHL        |                |                |   |
| 117 | 2010             | 3 6 2 40 5.4              | 0.9                 | 46.96          | 0.08                | 153.14         | 0.22                |              | 53    | 5     | 10.6        |                    |     | 4.9 |      |     | 4.7  | SKHL        |                |                |   |
| 118 | 2010             | 3 6 3 58 11.1             | 0.7                 | 44.25          | 0.01                | 147.19         | 0.01                |              | 119   | 2     | 9.1         |                    |     | 4.5 |      | 5.4 | 4.0  | SKHL        |                |                |   |
| 119 | 2010             | 3 6 13 31 12.4            | 0.1                 | 44.15          | 0.10                | 147.78         | 0.31                |              | 64    | 4     | 11.5        |                    | 5.1 | 6.1 | 5.4  | 5.9 | 6.1  | 5.1         | SKHL           | 4 <sup>4</sup> |   |
| 120 | 2010             | 3 6 14 1 12.6             | 0.7                 | 44.15          | 0.01                | 147.58         | 0.01                |              | 36    | 1     | 8.8         |                    |     | 4.4 |      |     | 3.8  | SKHL        |                |                |   |
| 121 | 2010             | 3 8 10 48 5.2             | 0.1                 | 44.00          | 0.10                | 146.98         | 0.27                |              | 107   | 5     | 10.5        |                    |     | 5.9 | 5.1  | 5.4 | 4.7  | SKHL        | 5 <sup>5</sup> |                |   |
| 122 | 2010             | 3 8 18 7 27.5             | 0.9                 | 44.38          | 0.04                | 148.32         | 0.08                |              | 45    | 4     | 8.9         |                    |     | 4.2 |      |     | 3.9  | SKHL        |                |                |   |
| 123 | 2010             | 3 9 5 16 6.9              | 1.0                 | 48.89          | 0.07                | 154.68         | 0.20                |              | 146   | 3     | 8.7         |                    |     | 4.6 |      | 5.0 | 3.8  | SKHL        |                |                |   |
| 124 | 2010             | 3 9 8 37 33.9             | 0.6                 | 44.13          | 0.07                | 147.54         | 0.12                |              | 30    | 5     | 8.5         |                    |     | 4.4 |      |     | 3.7  | SKHL        |                |                |   |
| 125 | 2010             | 3 9 20 39 26.4            | 0.8                 | 43.68          | 0.01                | 147.69         | 0.04                |              | 33    | 2     | 8.5         |                    |     | 4.5 |      |     | 3.7  | SKHL        |                |                |   |
| 126 | 2010             | 3 10 1 28 56.2            | 0.3                 | 44.17          | 0.01                | 147.64         | 0.04                |              | 60    | 5     | 8.5         |                    |     | 4.6 |      |     | 3.7  | SKHL        |                |                |   |
| 127 | 2010             | 3 10 7 14 35.1            | 1.0                 | 46.64          | 0.08                | 152.50         | 0.15                |              | 97    | 5     | 9.4         |                    |     | 4.7 |      | 5.5 | 4.1  | SKHL        |                |                |   |
| 128 | 2010             | 3 10 23 51 12.3           | 1.0                 | 43.40          | 0.01                | 148.03         | 0.01                |              | 52    | 4     | 8.6         |                    |     | 4.6 |      |     | 3.7  | SKHL        |                |                |   |
| 129 | 2010             | 3 11 0 18 50.8            | 0.6                 | 43.38          | 0.01                | 148.04         | 0.01                |              | 47    | 5     | 9.5         |                    |     | 4.9 |      |     | 4.2  | SKHL        |                |                |   |
| 130 | 2010             | 3 11 2 47 56.7            | 2.2                 | 48.067         |                     | 156.455        |                     | 0.284        | 15    | 11    | 9.9         |                    |     |     |      |     | 3.5  | KRSC        |                |                |   |
| 131 | 2010             | 3 11 6 20 55.1            | 0.4                 | 44.24          | 0.02                | 148.00         | 0.05                |              | 80    | 5     | 7.7         |                    |     | 4.4 |      |     | 3.3  | SKHL        |                |                |   |
| 132 | 2010             | 3 11 13 19 52.0           | 0.6                 | 44.98          | 0.05                | 149.52         | 0.06                |              | 45    | 5     | 8.8         |                    |     | 4.7 |      |     | 3.8  | SKHL        |                |                |   |
| 133 | 2010             | 3 12 5 51 53.8            | 0.3                 | 43.90          | 0.06                | 147.81         | 0.12                |              | 57    | 4     | 10.7        |                    |     | 4.9 |      |     | 4.8  | SKHL        |                |                |   |
| 134 | 2010             | 3 12 14 16 2.7            | 0.8                 | 46.57          | 0.07                | 153.03         | 0.17                |              | 60    | 5     | 11.6        |                    | 4.6 | 5.7 | 5.2  | 5.5 | 4.6  | SKHL        |                |                |   |
| 135 | 2010             | 3 13 18 21 18.0           | 1.1                 | 43.27          | 0.02                | 147.49         | 0.07                |              | 33    | 4     | 8.2         |                    |     | 4.1 |      |     | 3.5  | SKHL        |                |                |   |
| 136 | 2010             | 3 13 18 26 11.5           | 0.1                 | 46.30          | 0.05                | 151.10         | 0.10                |              | 127   | 5     | 9.5         |                    |     | 4.9 | 5.0  | 4.3 | 5.5  | 4.0         | SKHL           |                |   |
| 137 | 2010             | 3 14 20 56 10.9           | 0.4                 | 45.02          | 0.06                | 148.46         | 0.24                |              | 94    | 5     | 10.8        |                    |     | 4.8 | 5.7  | 5.9 | 5.5  | SKHL        |                |                |   |
| 138 | 2010             | 3 14 22 28 49.8           | 0.5                 | 45.45          | 0.27                | 152.55         | 0.21                |              | 33    | 4     | 8.2         |                    |     | 4.5 |      |     | 3.5  | SKHL        |                |                |   |
| 139 | 2010             | 3 16 8 11 18.1            | 0.2                 | 43.12          | 0.11                | 149.06         | 0.22                |              | 52    | 4     | 11.6        |                    |     | 4.9 |      |     | 5.2  | SKHL        |                |                |   |
| 140 | 2010             | 3 17 10 29 5.0            | 0.3                 | 43.12          | 0.03                | 145.00         | 0.17                |              | 83    | 4     | 9.8         |                    |     | 4.8 |      | 5.3 | 4.3  | SKHL        |                |                |   |
| 141 | 2010             | 3 18 14 58 8.5            | 1.0                 | 48.97          | 0.16                | 156.67         | 0.52                |              | 12    | 5     | 9.3         |                    |     | 4.6 |      |     | 4.1  | SKHL        |                |                |   |
| 142 | 2010             | 3 18 17 4 9.2             | 0.7                 | 45.82          | 0.02                | 147.42         | 0.08                |              | 30    | 2     | 7.8         |                    |     | 4.7 |      |     | 3.3  | SKHL        |                |                |   |
| 143 | 2010             | 3 19 6 54 6.5             | 0.6                 | 49.93          | 0.18                | 152.04         | 0.32                |              | 347   | 29    |             |                    |     | 4.9 | 4.7  | 5.2 | 4.9  | 4.7         | SKHL           |                |   |
| 144 | 2010             | 3 19 11 41 58.3           | 0.4                 | 44.25          | 0.01                | 147.77         | 0.01                |              | 95    | 4     | 7.5         |                    |     | 4.2 | 4.0  | 4.5 | 3.8  | SKHL        |                |                |   |
| 145 | 2010             | 3 19 14 49 48.7           | 0.9                 | 46.26          | 0.06                | 151.80         | 0.08                |              | 90    | 4     | 9.8         |                    |     | 5.4 | 4.8  | 5.6 | 4.3  | SKHL        |                |                |   |
| 146 | 2010             | 3 20 4 25 22.4            | 0.1                 | 45.39          | 0.08                | 151.83         | 0.06                |              | 40    | 4     | 9.2         |                    |     | 4.7 |      |     | 4.0  | SKHL        |                |                |   |
| 147 | 2010             | 3 20 16 18 58.4           | 0.9                 | 44.33          | 0.02                | 148.48         | 0.04                |              | 36    | 2     | 7.8         |                    |     | 4.2 |      |     | 3.3  | SKHL        |                |                |   |
| 148 | 2010             | 3 20 23 57 40.9           | 0.6                 | 47.20          | 0.09                | 153.66         | 0.13                |              | 55    | 5     | 9.3         |                    |     | 4.7 | 5.4  |     | 4.1  | SKHL        |                |                |   |
| 149 | 2010             | 3 22 4 0 23.7             | 0.7                 | 46.73          | 0.08                | 153.26         | 0.14                |              | 59    | 5     | 10.7        |                    |     | 5.5 | 5.2  |     | 4.8  | SKHL        |                |                |   |
| 150 | 2010             | 3 22 10 42 10.7           | 0.9                 | 46.83          | 0.07                | 152.81         | 0.14                |              | 118   | 5     | 9.6         |                    |     | 5.0 | 4.9  | 5.5 | 4.7  | SKHL        |                |                |   |
| 151 | 2010             | 3 22 14 41 54.5           | 0.3                 | 45.33          | 0.04                | 150.19         | 0.09                |              | 70    | 5     | 10.8        |                    |     | 4.8 |      |     | 4.8  | SKHL        |                |                |   |
| 152 | 2010             | 3 22 19 52 39.8           | 1.0                 | 46.19          | 0.13                | 153.36         | 0.24                |              | 48    | 4     | 8.9         |                    |     | 5.3 |      |     | 3.9  | SKHL        |                |                |   |
| 153 | 2010             | 3 22 21 46 13.6           | 0.9                 | 44.97          | 0.04                | 147.27         | 0.14                |              | 143   | 4     | 10.1        |                    |     | 6.0 | 5.1  | 5.5 | 5.3  | 5.2         | SKHL           |                |   |
| 154 | 2010             | 3 23 8 54 12.0            | 0.6                 | 44.04          | 0.08                | 148.27         | 0.18                |              | 63    | 5     | 10.5        |                    |     | 4.8 |      |     | 4.7  | SKHL        |                |                |   |
| 155 | 2010             | 3 23 13 46 2.7            | 0.4                 | 44.20          | 0.02                | 147.74         | 0.04                |              | 90    | 5     | 7.6         |                    |     | 4.4 | 3.8  | 4.7 | 3.6  | SKHL        |                |                |   |
| 156 | 2010             | 3 23 17 32 41.7           | 0.6                 | 47.49          | 0.15                | 154.53         | 0.28                |              | 60    | 5     | 9.2         |                    |     | 6.3 | 4.6  |     | 4.0  | SKHL        |                |                |   |
| 157 | 2010             | 3 24 5 22 17.3            | 1.0                 | 47.54          | 0.13                | 146.69         | 0.32                |              | 397   | 40    |             |                    |     | 5.9 | 4.9  | 5.6 | 5.1  | 5.1         | SKHL           |                |   |
| 158 | 2010             | 3 24 12 55 38.6           | 1.1                 | 46.58          | 0.10                | 152.80         | 0.09                |              | 40    | 5     | 8.6         |                    |     | 4.6 |      |     | 3.7  | SKHL        |                |                |   |
| 159 | 2010             | 3 24 19 54 29.5           | 1.0                 | 46.35          | 0.18                | 151.62         | 0.38                |              | 90    | 5     | 11.2        |                    | 4.3 | 6.0 | 5.4  | 5.5 | 5.7  | 5.8         | 5.3            | SKHL           |   |
| 160 | 2010             | 3 24 21 0 9.6             | 1.0                 | 46.28          | 0.22                | 152.76         | 0.53                |              | 1     | 1     | 8.6         |                    |     | 4.9 |      |     | 3.7  | SKHL        |                |                |   |

<sup>4</sup> Малокурильское (86 км) – 4 балла; Курильск (114 км) – 3 балла; Южно-Курильск (156 км) – 2 балла.

<sup>5</sup> Южно-Курильск (91 км) – 2 балла.

| №   | Дата, |   |    | Время, $t_0$ ,<br>ч мин с | $\delta t_0$ ,<br>с | Гипоцентр      |                     |                |                     |              | $K_C$ | $K_S$ | Магнитуды   |                    |     |     |      |     |      | Код<br>сети | I   |      |                |                  |
|-----|-------|---|----|---------------------------|---------------------|----------------|---------------------|----------------|---------------------|--------------|-------|-------|-------------|--------------------|-----|-----|------|-----|------|-------------|-----|------|----------------|------------------|
|     | год   | м | д  |                           |                     | $\varphi$ , °N | $\delta\varphi$ , ° | $\lambda$ , °E | $\delta\lambda$ , ° | $\delta$ , ° |       |       | $h$ ,<br>км | $\delta h$ ,<br>км | MLH | MPV | MPVA | MSH | MSHA |             |     | MPH  | M              |                  |
| 161 | 2010  | 3 | 24 | 21                        | 41                  | 37.6           | 1.0                 | 46.74          | 0.09                | 148.22       | 0.37  |       |             |                    |     |     |      |     | 4.7  |             | 4.0 | SKHL |                |                  |
| 162 | 2010  | 3 | 25 | 4                         | 12                  | 0.3            | 0.6                 | 44.48          | 0.07                | 148.72       | 0.16  |       |             |                    |     |     |      |     | 4.8  |             | 4.4 | SKHL |                |                  |
| 163 | 2010  | 3 | 26 | 19                        | 3                   | 21.9           | 0.6                 | 45.82          | 0.07                | 150.77       | 0.12  |       |             |                    |     | 5.9 | 4.9  | 5.4 | 5.5  |             | 5.2 | SKHL |                |                  |
| 164 | 2010  | 3 | 27 | 10                        | 54                  | 25.4           | 0.4                 | 43.97          | 0.07                | 147.00       | 0.22  |       |             |                    |     |     |      |     | 4.8  | 5.5         | 4.6 | SKHL | 6 <sup>6</sup> |                  |
| 165 | 2010  | 3 | 27 | 21                        | 44                  | 31.3           | 1.1                 | 43.85          | 0.13                | 147.58       | 0.27  |       |             |                    |     |     |      |     | 4.8  |             | 4.1 | SKHL |                |                  |
| 166 | 2010  | 3 | 27 | 21                        | 45                  | 24.3           | 0.4                 | 43.73          | 0.02                | 147.89       | 0.04  |       |             |                    |     |     |      |     | 4.5  |             | 3.7 | SKHL |                |                  |
| 167 | 2010  | 3 | 27 | 22                        | 2                   | 50.1           | 0.4                 | 43.80          | 0.06                | 147.68       | 0.13  |       |             |                    |     |     |      |     | 4.5  |             | 3.9 | SKHL |                |                  |
| 168 | 2010  | 3 | 28 | 1                         | 16                  | 0.3            | 0.9                 | 43.88          | 0.03                | 147.51       | 0.07  |       |             |                    |     |     |      |     | 4.3  |             | 3.5 | SKHL |                |                  |
| 169 | 2010  | 3 | 28 | 4                         | 10                  | 28.8           | 0.5                 | 44.68          | 0.10                | 148.97       | 0.12  |       |             |                    |     |     |      |     | 4.4  |             | 3.9 | SKHL |                |                  |
| 170 | 2010  | 3 | 29 | 5                         | 32                  | 26.1           | 1.9                 | 48.767         |                     | 156.435      | 0.209 | 15    | 7           | 10.1               |     |     |      |     |      |             | 3.7 | KRSC |                |                  |
| 171 | 2010  | 3 | 29 | 15                        | 10                  | 7.0            | 0.8                 | 47.34          | 0.04                | 152.37       | 0.08  |       |             |                    |     |     |      | 5.0 |      | 5.2         | 3.8 | SKHL |                |                  |
| 172 | 2010  | 3 | 30 | 0                         | 39                  | 59.0           | 0.5                 | 47.54          | 0.10                | 153.06       | 0.23  |       |             |                    |     |     |      | 4.8 | 4.9  | 5.8         | 4.7 | SKHL |                |                  |
| 173 | 2010  | 3 | 30 | 18                        | 12                  | 14.8           | 0.1                 | 44.56          | 0.02                | 148.90       | 0.04  |       |             |                    |     |     |      |     | 4.4  |             | 3.5 | SKHL |                |                  |
| 174 | 2010  | 3 | 31 | 5                         | 13                  | 58.7           | 1.0                 | 48.77          | 0.13                | 155.03       | 0.35  |       |             |                    |     | 4.0 | 5.6  | 5.0 | 5.1  |             | 4.0 | SKHL |                |                  |
| 175 | 2010  | 3 | 31 | 17                        | 10                  | 18.8           | 1.0                 | 46.53          | 0.04                | 153.07       | 0.10  |       |             |                    |     |     |      |     | 5.0  |             | 3.7 | SKHL |                |                  |
| 176 | 2010  | 3 | 31 | 19                        | 39                  | 20.7           | 0.3                 | 44.44          | 0.04                | 148.21       | 0.10  |       |             |                    |     |     |      |     | 4.8  |             | 3.7 | SKHL |                |                  |
| 177 | 2010  | 4 | 1  | 17                        | 15                  | 16.7           | 3.1                 | 48.915         |                     | 155.810      | 0.526 | 101   | 48          | 11.4               |     |     |      |     |      |             | 4.5 | KRSC |                |                  |
| 178 | 2010  | 4 | 1  | 20                        | 10                  | 41.0           | 0.3                 | 44.10          | 0.07                | 147.20       | 0.12  |       |             |                    |     |     |      | 4.9 |      | 5.6         | 4.2 | SKHL |                |                  |
| 179 | 2010  | 4 | 2  | 5                         | 32                  | 25.5           | 0.8                 | 44.42          | 0.19                | 147.64       | 0.30  |       |             |                    |     |     |      |     | 4.8  |             | 5.3 | 3.9  | SKHL           |                  |
| 180 | 2010  | 4 | 2  | 10                        | 9                   | 50.0           | 0.9                 | 47.80          | 0.11                | 153.50       | 0.22  |       |             |                    |     |     |      |     | 5.2  |             | 5.5 | 4.1  | SKHL           |                  |
| 181 | 2010  | 4 | 2  | 15                        | 3                   | 1.8            | 0.1                 | 44.56          | 0.07                | 148.85       | 0.10  |       |             |                    |     |     |      |     | 4.8  |             | 4.1 | SKHL |                |                  |
| 182 | 2010  | 4 | 3  | 6                         | 19                  | 4.5            | 0.4                 | 43.11          | 0.03                | 144.41       | 0.05  |       |             |                    |     |     |      |     | 5.4  |             | 5.5 | 4.2  | SKHL           |                  |
| 183 | 2010  | 4 | 4  | 8                         | 35                  | 40.6           | 0.3                 | 43.33          | 0.05                | 146.23       | 0.13  |       |             |                    |     |     |      | 5.1 | 5.8  | 5.6         | 5.6 | SKHL |                |                  |
| 184 | 2010  | 4 | 4  | 18                        | 45                  | 23.3           | 0.3                 | 45.21          | 0.05                | 152.02       | 0.09  |       |             |                    |     | 4.1 |      |     | 4.8  |             | 4.1 | SKHL |                |                  |
| 185 | 2010  | 4 | 5  | 9                         | 44                  | 8.4            | 0.4                 | 46.51          | 0.09                | 153.41       | 0.14  |       |             |                    |     | 4.7 |      |     | 4.7  |             | 4.7 | SKHL |                |                  |
| 186 | 2010  | 4 | 5  | 22                        | 19                  | 44.4           | 0.7                 | 44.57          | 0.10                | 148.14       | 0.17  |       |             |                    |     |     |      |     | 4.8  |             | 4.4 | SKHL |                |                  |
| 187 | 2010  | 4 | 6  | 2                         | 18                  | 18.3           | 2.0                 | 48.196         |                     | 156.225      | 0.243 | 7     | 35          | 10.0               |     |     |      |     |      |             | 3.6 | KRSC |                |                  |
| 188 | 2010  | 4 | 6  | 18                        | 23                  | 0.9            | 0.8                 | 48.72          | 0.03                | 155.48       | 0.09  |       |             |                    |     |     |      |     | 4.8  |             | 4.1 | SKHL |                |                  |
| 189 | 2010  | 4 | 7  | 2                         | 14                  | 33.2           | 0.1                 | 45.73          | 0.06                | 149.56       | 0.07  |       |             |                    |     |     |      |     | 5.5  |             | 5.3 | 4.0  | SKHL           |                  |
| 190 | 2010  | 4 | 7  | 6                         | 47                  | 50.7           | 0.1                 | 44.25          | 0.07                | 147.03       | 0.12  |       |             |                    |     |     |      |     | 4.9  |             | 5.2 | 3.9  | SKHL           |                  |
| 191 | 2010  | 4 | 8  | 18                        | 41                  | 50.2           | 0.5                 | 42.94          | 0.04                | 144.72       | 0.12  |       |             |                    |     | 4.4 |      |     | 5.0  |             | 5.4 | SKHL | 7 <sup>7</sup> |                  |
| 192 | 2010  | 4 | 9  | 19                        | 4                   | 10.4           | 0.7                 | 47.19          | 0.06                | 150.76       | 0.14  |       |             |                    |     |     |      |     | 5.1  |             | 5.6 | 4.3  | SKHL           |                  |
| 193 | 2010  | 4 | 13 | 12                        | 33                  | 8.2            | 0.2                 | 44.52          | 0.04                | 148.36       | 0.06  |       |             |                    |     |     |      |     | 4.3  |             | 3.9 | SKHL |                |                  |
| 194 | 2010  | 4 | 15 | 12                        | 42                  | 39.4           | 1.0                 | 46.43          | 0.08                | 153.00       | 0.12  |       |             |                    |     |     |      |     | 4.7  |             | 4.5 | SKHL |                |                  |
| 195 | 2010  | 4 | 16 | 4                         | 36                  | 19.1           | 0.6                 | 45.61          | 0.17                | 152.30       | 0.21  |       |             |                    |     |     |      |     | 5.0  |             | 5.2 | 3.8  | SKHL           |                  |
| 196 | 2010  | 4 | 16 | 6                         | 35                  | 0.8            | 0.9                 | 43.35          | 0.06                | 146.45       | 0.21  |       |             |                    |     |     |      |     | 4.6  |             | 3.8 | SKHL |                |                  |
| 197 | 2010  | 4 | 16 | 22                        | 33                  | 8.6            | 0.4                 | 44.80          | 0.05                | 144.57       | 0.14  |       |             |                    |     | 3.8 |      |     | 4.7  |             | 3.8 | SKHL |                |                  |
| 198 | 2010  | 4 | 17 | 18                        | 17                  | 42.4           | 0.1                 | 44.32          | 0.07                | 149.08       | 0.09  |       |             |                    |     |     |      |     | 4.8  |             | 4.5 | SKHL |                |                  |
| 199 | 2010  | 4 | 19 | 10                        | 3                   | 41.9           | 0.2                 | 43.93          | 0.02                | 146.30       | 0.06  |       |             |                    |     |     |      |     | 4.8  |             | 5.3 | 4.0  | SKHL           |                  |
| 200 | 2010  | 4 | 19 | 20                        | 20                  | 7.1            | 0.2                 | 43.68          | 0.01                | 146.81       | 0.06  |       |             |                    |     |     |      |     | 4.8  |             | 3.7 | SKHL |                |                  |
| 201 | 2010  | 4 | 19 | 20                        | 55                  | 53.6           | 0.4                 | 44.96          | 0.05                | 151.15       | 0.03  |       |             |                    |     |     |      |     | 4.9  |             | 3.9 | SKHL |                |                  |
| 202 | 2010  | 4 | 19 | 21                        | 4                   | 15.2           | 0.1                 | 46.05          | 0.10                | 152.83       | 0.12  |       |             |                    |     |     |      |     | 4.8  |             | 3.9 | SKHL |                |                  |
| 203 | 2010  | 4 | 19 | 23                        | 58                  | 19.3           | 0.4                 | 45.50          | 0.34                | 152.91       | 0.22  |       |             |                    |     |     |      |     | 4.9  |             | 4.1 | SKHL |                |                  |
| 204 | 2010  | 4 | 20 | 9                         | 8                   | 24.3           | 0.6                 | 44.32          | 0.02                | 148.81       | 0.04  |       |             |                    |     |     |      |     | 4.8  |             | 3.8 | SKHL |                |                  |
| 205 | 2010  | 4 | 20 | 14                        | 46                  | 16.7           | 2.3                 | 49.494         |                     | 152.253      | 0.689 | 556   | 30          | 10.5               |     |     |      |     |      |             | 3.9 | KRSC |                |                  |
| 206 | 2010  | 4 | 20 | 18                        | 20                  | 36.8           | 0.6                 | 43.72          | 0.05                | 147.35       | 0.09  |       |             |                    |     |     |      |     | 4.7  |             | 3.8 | SKHL |                |                  |
| 207 | 2010  | 4 | 21 | 20                        | 27                  | 33.1           | 0.2                 | 45.32          | 0.08                | 147.92       | 0.16  |       |             |                    |     |     |      |     | 5.0  |             | 4.3 | SKHL | 8 <sup>8</sup> |                  |
| 208 | 2010  | 4 | 21 | 22                        | 19                  | 42.0           | 0.3                 | 45.27          | 0.06                | 147.86       | 0.20  |       |             |                    |     |     |      |     | 4.9  |             | 4.5 | SKHL | 9 <sup>9</sup> |                  |
| 209 | 2010  | 4 | 22 | 6                         | 34                  | 22.8           | 1.4                 | 48.690         |                     | 156.071      | 0.223 | 231   | 31          | 9.6                |     |     |      |     |      |             | 3.3 | KRSC |                |                  |
| 210 | 2010  | 4 | 22 | 6                         | 39                  | 23.3           | 0.3                 | 45.29          | 0.17                | 149.69       | 0.21  |       |             |                    |     |     |      |     | 4.7  |             | 5.4 | 4.2  | SKHL           |                  |
| 211 | 2010  | 4 | 22 | 10                        | 43                  | 23.2           | 0.6                 | 46.80          | 0.16                | 153.02       | 0.21  |       |             |                    |     |     |      |     | 4.9  |             | 4.1 | SKHL |                |                  |
| 212 | 2010  | 4 | 22 | 12                        | 7                   | 46.2           | 0.5                 | 44.60          | 0.14                | 152.52       | 0.07  |       |             |                    |     |     |      |     | 4.7  |             | 3.9 | SKHL |                |                  |
| 213 | 2010  | 4 | 22 | 19                        | 58                  | 41.2           | 0.7                 | 44.14          | 0.13                | 148.40       | 0.26  |       |             |                    |     | 4.7 | 5.4  | 5.1 | 5.2  |             | 5.3 | 4.7  | SKHL           | 10 <sup>10</sup> |
| 214 | 2010  | 4 | 22 | 20                        | 5                   | 48.1           | 0.5                 | 43.95          | 0.11                | 148.47       | 0.14  |       |             |                    |     |     |      |     | 4.6  |             | 4.0 | SKHL |                |                  |
| 215 | 2010  | 4 | 23 | 11                        | 21                  | 54.6           | 0.5                 | 44.39          | 0.06                | 147.48       | 0.12  |       |             |                    |     |     |      |     | 4.3  |             | 5.1 | 3.8  | SKHL           |                  |

<sup>6</sup> Малокурильское (21 км) – 3 балла; Южно-Курильск (91 км) – 2 балла.

<sup>7</sup> Малокурильское (202 км) – 3 балла; Южно-Курильск (156 км) – 2 балла.

<sup>8</sup> Курильск (8 км) – 2–3 балла.

<sup>9</sup> Курильск (8 км) – 2–3 балла.

<sup>10</sup> Курильск (155 км) – 2–3 балла.

| №   | Дата,<br>год м д | Время, $t_0$ ,<br>ч мин с | $\delta t_0$ ,<br>с | Гипоцентр      |                     |                |                     |              |             | $K_C$ | $K_S$ | Магнитуды          |     |     |      |     |      |     | Код<br>сети | I   |      |  |
|-----|------------------|---------------------------|---------------------|----------------|---------------------|----------------|---------------------|--------------|-------------|-------|-------|--------------------|-----|-----|------|-----|------|-----|-------------|-----|------|--|
|     |                  |                           |                     | $\varphi$ , °N | $\delta\varphi$ , ° | $\lambda$ , °E | $\delta\lambda$ , ° | $\delta$ , ° | $h$ ,<br>км |       |       | $\delta h$ ,<br>км | MLH | MPV | MPVA | MSH | MSHA | MPH |             |     | M    |  |
| 216 | 2010             | 4 24                      | 3 18                | 14.7           | 0.5                 | 43.93          | 0.05                | 148.39       | 0.08        | 30    | 0     | 8.4                |     |     | 4.4  |     |      |     |             | 3.6 | SKHL |  |
| 217 | 2010             | 4 26                      | 17 25               | 17.8           | 0.3                 | 44.47          | 0.02                | 148.17       | 0.06        | 103   | 2     | 8.5                |     |     | 4.4  |     | 5.0  |     |             | 3.7 | SKHL |  |
| 218 | 2010             | 4 26                      | 17 49               | 0.8            | 0.8                 | 47.13          | 0.10                | 152.33       | 0.20        | 124   | 9     | 9.3                | 4.5 |     | 4.8  |     | 5.5  |     |             | 4.1 | SKHL |  |
| 219 | 2010             | 4 26                      | 18 7                | 14.0           | 0.5                 | 43.35          | 0.04                | 146.27       | 0.11        | 45    | 4     | 9.0                |     |     | 4.8  |     |      |     |             | 3.9 | SKHL |  |
| 220 | 2010             | 4 27                      | 11 4                | 32.0           | 0.4                 | 46.42          | 0.07                | 149.93       | 0.13        | 166   | 5     | 9.8                |     |     | 4.9  | 5.2 | 5.5  |     |             | 4.9 | SKHL |  |
| 221 | 2010             | 4 27                      | 19 20               | 44.0           | 0.5                 | 46.72          | 0.09                | 153.48       | 0.15        | 79    | 2     | 8.9                |     |     | 4.4  |     |      |     |             | 3.9 | SKHL |  |
| 222 | 2010             | 4 27                      | 19 29               | 55.0           | 0.3                 | 44.90          | 0.07                | 149.39       | 0.12        | 57    | 8     | 8.6                |     |     | 5.1  |     |      |     |             | 3.7 | SKHL |  |
| 223 | 2010             | 4 27                      | 20 2                | 12.2           | 0.2                 | 44.92          | 0.12                | 147.23       | 0.30        | 145   | 4     | 9.1                |     | 4.1 | 4.7  | 4.1 | 5.3  |     |             | 3.8 | SKHL |  |
| 224 | 2010             | 4 28                      | 15 38               | 14.8           | 0.6                 | 44.07          | 0.03                | 147.39       | 0.06        | 30    | 8     | 8.3                |     |     | 4.5  |     |      |     |             | 3.6 | SKHL |  |
| 225 | 2010             | 4 28                      | 16 49               | 31.5           | 0.7                 | 45.89          | 0.07                | 153.52       | 0.14        | 31    | 3     | 10.1               | 4.1 |     | 4.9  |     |      |     |             | 4.1 | SKHL |  |
| 226 | 2010             | 4 29                      | 14 7                | 3.3            | 0.9                 | 44.26          | 0.07                | 148.13       | 0.12        | 47    | 2     | 8.9                |     |     | 4.6  |     |      |     |             | 3.9 | SKHL |  |
| 227 | 2010             | 4 30                      | 6 52                | 30.9           | 0.2                 | 46.71          | 0.13                | 152.69       | 0.21        | 85    | 6     | 10.1               |     |     | 5.0  |     | 5.7  |     |             | 4.5 | SKHL |  |
| 228 | 2010             | 4 30                      | 12 15               | 5.0            | 0.5                 | 46.86          | 0.10                | 152.39       | 0.21        | 124   | 4     | 9.4                |     |     | 5.5  |     | 5.4  |     |             | 4.1 | SKHL |  |
| 229 | 2010             | 5 2 2                     | 0 25                | 5.5            | 0.5                 | 43.66          | 0.04                | 148.87       | 0.08        | 46    | 5     | 9.1                |     |     | 4.5  |     |      |     |             | 4.0 | SKHL |  |
| 230 | 2010             | 5 3 8                     | 48 17               | 1.1            | 0.6                 | 44.28          | 0.02                | 149.27       | 0.03        | 60    | 4     | 8.2                |     |     | 4.4  |     |      |     |             | 3.5 | SKHL |  |
| 231 | 2010             | 5 3 15                    | 1 34                | 9.5            | 0.5                 | 43.99          | 0.01                | 147.98       | 0.02        | 55    | 5     | 7.7                |     |     | 3.8  |     |      |     |             | 3.3 | SKHL |  |
| 232 | 2010             | 5 4 0                     | 5 50                | 1.1            | 0.4                 | 44.91          | 0.06                | 147.80       | 0.28        | 102   | 5     | 10.1               |     |     | 5.5  | 5.0 | 5.7  |     |             | 4.8 | SKHL |  |
| 233 | 2010             | 5 4 15                    | 59 34               | 7.7            | 0.7                 | 44.13          | 0.05                | 148.15       | 0.11        | 70    | 4     | 10.1               |     |     | 4.6  |     |      |     |             | 4.5 | SKHL |  |
| 234 | 2010             | 5 4 21                    | 59 44               | 8.8            | 1.1                 | 47.08          | 0.08                | 153.64       | 0.23        | 5     | 2     | 10.3               |     |     | 4.8  |     |      |     |             | 4.6 | SKHL |  |
| 235 | 2010             | 5 5 18                    | 33 26               | 7.7            | 0.7                 | 46.62          | 0.04                | 153.12       | 0.07        | 37    | 2     | 8.3                |     |     | 4.4  |     |      |     |             | 3.6 | SKHL |  |
| 236 | 2010             | 5 6 1                     | 4 24                | 6.6            | 0.8                 | 44.77          | 0.05                | 148.66       | 0.11        | 106   | 4     | 8.6                |     |     | 4.2  |     | 5.1  |     |             | 3.7 | SKHL |  |
| 237 | 2010             | 5 6 17                    | 14 54               | 9.9            | 0.7                 | 43.64          | 0.04                | 147.37       | 0.12        | 76    | 5     | 9.8                |     |     | 4.7  |     |      |     |             | 4.3 | SKHL |  |
| 238 | 2010             | 5 7 2                     | 20 58               | 5.5            | 0.1                 | 44.50          | 0.01                | 148.10       | 0.02        | 85    | 5     | 8.7                |     |     | 5.0  |     | 5.2  |     |             | 3.8 | SKHL |  |
| 239 | 2010             | 5 7 19                    | 30 19               | 3.3            | 1.1                 | 44.95          | 0.14                | 149.46       | 0.15        | 85    | 5     | 8.7                |     |     | 4.5  |     | 5.2  |     |             | 3.8 | SKHL |  |
| 240 | 2010             | 5 8 4                     | 14 36               | 6.0            | 0.7                 | 45.49          | 0.08                | 151.74       | 0.13        | 45    | 5     | 9.7                |     |     | 5.2  | 4.9 | 4.7  |     |             | 4.3 | SKHL |  |
| 241 | 2010             | 5 8 4                     | 35 35               | 5.5            | 0.2                 | 46.52          | 0.20                | 151.15       | 0.33        | 123   | 5     | 8.9                |     |     | 5.7  | 4.9 | 4.9  | 5.4 |             | 4.7 | SKHL |  |
| 242 | 2010             | 5 8 15                    | 54 22               | 2.2            | 0.6                 | 44.46          | 0.06                | 149.82       | 0.06        | 40    | 3     | 8.9                |     |     | 4.4  |     |      |     |             | 3.9 | SKHL |  |
| 243 | 2010             | 5 8 20                    | 3 18                | 6.6            | 0.1                 | 45.06          | 0.16                | 150.20       | 0.28        | 68    | 5     | 10.9               | 4.3 | 6.0 | 5.1  | 5.1 |      | 5.6 |             | 4.3 | SKHL |  |
| 244 | 2010             | 5 8 22                    | 46 18               | 3.3            | 1.3                 | 48.83          | 0.19                | 155.24       | 0.92        | 33    | 5     | 9.5                |     |     | 4.4  |     |      |     |             | 4.2 | SKHL |  |
| 245 | 2010             | 5 9 5                     | 41 35               | 0.8            | 0.8                 | 43.89          | 0.07                | 148.91       | 0.09        | 33    | 5     | 9.0                |     |     | 4.6  |     |      |     |             | 3.9 | SKHL |  |
| 246 | 2010             | 5 10 0                    | 2 31                | 3.3            | 0.7                 | 44.44          | 0.02                | 148.26       | 0.06        | 55    | 4     | 8.3                |     |     | 4.4  |     |      |     |             | 3.6 | SKHL |  |
| 247 | 2010             | 5 10 9                    | 5 11                | 0.1            | 1.0                 | 45.22          | 0.10                | 150.82       | 0.10        | 58    | 5     | 9.0                |     |     | 4.6  |     |      |     |             | 3.9 | SKHL |  |
| 248 | 2010             | 5 10 12                   | 9 22                | 8.8            | 0.9                 | 46.78          | 0.05                | 153.95       | 0.11        | 35    | 5     | 8.6                | 3.8 |     | 4.5  |     |      |     |             | 3.8 | SKHL |  |
| 249 | 2010             | 5 10 15                   | 41 45               | 6.6            | 1.1                 | 47.08          | 0.23                | 153.61       | 0.55        | 15    | 5     | 9.6                | 4.0 |     | 4.8  |     |      |     |             | 4.0 | SKHL |  |
| 250 | 2010             | 5 10 21                   | 52 8                | 6.6            | 1.0                 | 46.66          | 0.05                | 153.93       | 0.09        | 59    | 5     | 9.2                |     |     | 4.7  |     |      |     |             | 4.0 | SKHL |  |
| 251 | 2010             | 5 10 22                   | 10 3                | 0.8            | 0.8                 | 46.91          | 0.01                | 153.81       | 0.03        | 58    | 5     | 9.3                |     |     | 4.6  |     |      |     |             | 4.1 | SKHL |  |
| 252 | 2010             | 5 11 10                   | 16 49               | 0.7            | 0.7                 | 43.04          | 0.01                | 145.40       | 0.05        | 39    | 2     | 8.2                |     |     | 4.8  |     |      |     |             | 3.5 | SKHL |  |
| 253 | 2010             | 5 11 21                   | 32 28               | 6.6            | 0.2                 | 47.95          | 0.12                | 154.23       | 0.26        | 25    | 5     | 9.1                |     |     | 4.4  |     |      |     |             | 4.0 | SKHL |  |
| 254 | 2010             | 5 12 19                   | 56 18               | 4.8            | 0.9                 | 44.45          | 0.01                | 153.47       | 0.01        | 20    | 5     | 8.7                |     |     | 4.5  |     |      |     |             | 3.8 | SKHL |  |
| 255 | 2010             | 5 13 4                    | 36 42               | 1.1            | 1.1                 | 45.36          | 0.04                | 151.12       | 0.03        | 40    | 5     | 8.8                |     |     | 4.5  |     |      |     |             | 3.8 | SKHL |  |
| 256 | 2010             | 5 13 13                   | 11 39               | 5.5            | 0.4                 | 44.12          | 0.02                | 148.07       | 0.05        | 45    | 5     | 8.6                |     |     | 4.2  |     |      |     |             | 3.7 | SKHL |  |
| 257 | 2010             | 5 13 14                   | 48 37               | 4.4            | 0.6                 | 44.89          | 0.01                | 148.62       | 0.02        | 30    | 2     | 7.7                |     |     | 3.9  |     |      |     |             | 3.3 | SKHL |  |
| 258 | 2010             | 5 14 13                   | 11 52               | 4.4            | 0.3                 | 44.31          | 0.04                | 149.03       | 0.07        | 45    | 4     | 8.5                |     |     | 4.2  |     |      |     |             | 3.7 | SKHL |  |
| 259 | 2010             | 5 15 18                   | 0 39                | 7.7            | 0.5                 | 43.67          | 0.01                | 147.63       | 0.02        | 30    | 5     | 8.0                |     |     | 4.4  |     |      |     |             | 3.4 | SKHL |  |
| 260 | 2010             | 5 16 6                    | 16 12               | 8.8            | 0.3                 | 42.73          | 0.02                | 144.64       | 0.08        | 55    | 4     | 8.3                |     |     | 4.3  |     |      |     |             | 3.6 | SKHL |  |
| 261 | 2010             | 5 17 3                    | 23 40               | 7.7            | 0.8                 | 49.01          | 0.05                | 155.00       | 0.14        | 30    | 5     | 8.7                |     |     | 4.3  |     |      |     |             | 3.8 | SKHL |  |
| 262 | 2010             | 5 17 22                   | 3 46                | 1.0            | 1.0                 | 46.15          | 0.15                | 152.49       | 0.23        | 88    | 5     | 11.8               | 4.8 | 6.2 | 6.1  | 5.9 | 6.7  | 6.2 | 5.7         | 5.7 | SKHL |  |
| 263 | 2010             | 5 17 23                   | 54 25               | 4.4            | 1.1                 | 48.37          | 0.06                | 154.45       | 0.26        | 130   | 5     | 9.0                |     |     | 4.5  |     | 5.2  |     |             | 3.9 | SKHL |  |
| 264 | 2010             | 5 18 4                    | 16 4                | 1.1            | 0.5                 | 48.78          | 0.12                | 154.83       | 0.27        | 45    | 4     | 8.8                |     |     | 4.1  |     |      |     |             | 3.8 | SKHL |  |
| 265 | 2010             | 5 18 6                    | 19 52               | 4.4            | 0.8                 | 45.14          | 0.06                | 150.24       | 0.07        | 46    | 4     | 8.9                |     |     | 4.7  |     |      |     |             | 3.9 | SKHL |  |
| 266 | 2010             | 5 18 8                    | 33 45               | 8.8            | 0.8                 | 43.79          | 0.01                | 148.06       | 0.03        | 55    | 5     | 9.8                |     |     | 4.6  |     |      |     |             | 4.3 | SKHL |  |
| 267 | 2010             | 5 18 23                   | 31 12               | 2.2            | 1.0                 | 44.57          | 0.01                | 148.65       | 0.01        | 40    | 1     | 8.9                |     |     | 4.2  |     |      |     |             | 3.9 | SKHL |  |
| 268 | 2010             | 5 19 17                   | 43 44               | 2.2            | 0.7                 | 44.45          | 0.05                | 148.31       | 0.11        | 40    | 5     | 8.4                |     |     | 4.7  |     |      |     |             | 3.6 | SKHL |  |
| 269 | 2010             | 5 20 6                    | 11 17               | 2.2            | 0.4                 | 44.43          | 0.01                | 148.30       | 0.03        | 33    | 5     | 8.3                |     |     | 4.4  |     |      |     |             | 3.6 | SKHL |  |
| 270 | 2010             | 5 21 2                    | 21 54               | 4.4            | 0.4                 | 43.36          | 0.01                | 146.31       | 0.05        | 50    | 4     | 8.4                |     |     | 4.8  |     |      |     |             | 3.6 | SKHL |  |
| 271 | 2010             | 5 21 7                    | 47 52               | 7.7            | 0.8                 | 46.12          | 0.05                | 153.54       | 0.09        | 60    | 5     | 10.1               | 4.1 |     | 4.7  |     |      |     |             | 4.1 | SKHL |  |
| 272 | 2010             | 5 22 12                   | 25 58               | 3.3            | 0.3                 | 43.74          | 0.01                | 147.01       | 0.01        | 29    | 2     | 8.0                |     |     | 4.4  |     |      |     |             | 3.4 | SKHL |  |
| 273 | 2010             | 5 22 23                   | 28 35               | 1.1            | 1.0                 | 44.20          | 0.01                | 147.75       | 0.02        | 30    | 4     | 8.2                |     |     | 4.7  |     |      |     |             | 3.5 | SKHL |  |
| 274 | 2010             | 5 23 4                    | 37 30               | 2.2            | 0.5                 | 43.92          | 0.01                | 149.79       | 0.01        | 25    | 3     | 8.2                |     |     | 4.3  |     |      |     |             | 3.5 | SKHL |  |
| 275 | 2010             | 5 23 20                   | 24 4                | 7.7            | 0.8                 | 42.97          | 0.01                | 146.79       | 0.05        | 33    | 3     | 8.7                |     |     | 4.3  |     |      |     |             | 3.8 | SKHL |  |
| 276 | 2010             | 5 24 1                    | 49 5                | 6.6            | 0.5                 | 44.43          | 0.01                | 148.18       | 0.03        | 33    | 3     | 8.4                |     |     | 4.5  |     |      |     |             | 3.6 | SKHL |  |

| №   | Дата, год м д  |                     |                | Время, $t_0$ , ч мин с |              |          | $\delta t_0$ , с |        | Гипоцентр |         |       |      |     | $K_C$ | $K_S$ | Магнитуды |     |     |      |      |      |  | Код сети | I |
|-----|----------------|---------------------|----------------|------------------------|--------------|----------|------------------|--------|-----------|---------|-------|------|-----|-------|-------|-----------|-----|-----|------|------|------|--|----------|---|
|     | $\varphi$ , °N | $\delta\varphi$ , ° | $\lambda$ , °E | $\delta\lambda$ , °    | $\delta$ , ° | $h$ , км | $\delta h$ , км  | MLH    | MPV       | MPVA    | MSH   | MSHA | MPH |       |       | M         |     |     |      |      |      |  |          |   |
| 277 | 2010           | 5                   | 24             | 1                      | 53           | 6.2      | 0.6              | 47.85  | 0.12      | 149.33  | 0.31  | 343  | 25  |       |       | 4.9       | 5.0 | 3.5 | SKHL |      |      |  |          |   |
| 278 | 2010           | 5                   | 24             | 14                     | 2            | 6.7      | 0.4              | 45.16  | 0.10      | 149.39  | 0.29  | 96   | 5   | 11.2  | 4.3   | 5.3       | 5.3 | 5.8 | 5.1  | SKHL |      |  |          |   |
| 279 | 2010           | 5                   | 25             | 5                      | 9            | 3.7      | 0.1              | 44.57  | 0.01      | 148.65  | 0.01  | 33   | 5   | 8.5   |       | 4.2       |     |     | 3.7  | SKHL |      |  |          |   |
| 280 | 2010           | 5                   | 26             | 4                      | 14           | 57.2     | 0.8              | 48.69  | 0.07      | 156.52  | 0.37  | 25   | 4   | 8.5   |       | 4.5       |     |     | 3.7  | SKHL |      |  |          |   |
| 281 | 2010           | 5                   | 26             | 19                     | 16           | 46.6     | 0.5              | 43.73  | 0.01      | 147.45  | 0.03  | 35   | 1   | 8.0   |       | 4.8       |     |     | 3.4  | SKHL |      |  |          |   |
| 282 | 2010           | 5                   | 28             | 11                     | 7            | 13.6     | 1.0              | 48.40  | 0.10      | 155.22  | 0.48  | 30   | 4   | 9.8   |       | 4.8       |     |     | 4.3  | SKHL |      |  |          |   |
| 283 | 2010           | 5                   | 29             | 15                     | 6            | 47.7     | 0.3              | 47.69  | 0.09      | 155.05  | 0.28  | 58   | 5   | 9.0   |       | 4.4       |     |     | 3.9  | SKHL |      |  |          |   |
| 284 | 2010           | 5                   | 29             | 17                     | 29           | 2.7      | 0.7              | 45.00  | 0.02      | 149.42  | 0.04  | 33   | 1   | 8.7   |       | 4.5       |     |     | 3.8  | SKHL |      |  |          |   |
| 285 | 2010           | 5                   | 30             | 0                      | 41           | 0.0      | 0.6              | 44.10  | 0.01      | 147.99  | 0.01  | 35   | 5   | 8.3   |       | 4.4       |     |     | 3.6  | SKHL |      |  |          |   |
| 286 | 2010           | 5                   | 30             | 3                      | 21           | 44.8     | 0.4              | 46.05  | 0.02      | 154.45  | 0.03  | 55   | 5   | 9.0   |       | 4.6       |     |     | 3.9  | SKHL |      |  |          |   |
| 287 | 2010           | 5                   | 31             | 7                      | 19           | 52.8     | 0.3              | 44.40  | 0.02      | 148.28  | 0.04  | 30   | 6   | 8.6   |       | 4.4       |     |     | 3.7  | SKHL |      |  |          |   |
| 288 | 2010           | 5                   | 31             | 11                     | 3            | 24.0     | 0.5              | 44.25  | 0.05      | 147.69  | 0.13  | 25   | 4   | 7.9   |       | 4.0       |     |     | 3.4  | SKHL |      |  |          |   |
| 289 | 2010           | 6                   | 1              | 4                      | 49           | 56.7     | 0.7              | 45.13  | 0.05      | 151.01  | 0.04  | 62   | 1   | 9.6   |       | 4.9       |     |     | 4.2  | SKHL |      |  |          |   |
| 290 | 2010           | 6                   | 1              | 9                      | 21           | 16.6     | 0.4              | 51.96  | 0.07      | 152.97  | 0.14  | 443  | 5   |       |       | 5.2       | 5.0 | 4.5 | 5.3  | 4.0  | SKHL |  |          |   |
| 291 | 2010           | 6                   | 1              | 11                     | 20           | 46.9     | 0.6              | 48.57  | 0.11      | 153.86  | 0.26  | 137  | 1   | 8.9   |       | 5.0       |     | 5.2 | 3.9  | SKHL |      |  |          |   |
| 292 | 2010           | 6                   | 2              | 23                     | 43           | 0.9      | 1.6              | 48.749 |           | 157.900 | 0.219 | 19   | 42  | 9.7   |       |           |     |     | 3.4  | KRSC |      |  |          |   |
| 293 | 2010           | 6                   | 3              | 7                      | 37           | 57.4     | 0.8              | 44.00  | 0.08      | 148.24  | 0.13  | 51   | 3   | 9.4   |       | 4.7       |     |     | 4.1  | SKHL |      |  |          |   |
| 294 | 2010           | 6                   | 4              | 0                      | 57           | 23.0     | 0.1              | 43.46  | 0.08      | 149.51  | 0.09  | 38   | 3   | 8.8   |       | 4.5       |     |     | 3.8  | SKHL |      |  |          |   |
| 295 | 2010           | 6                   | 4              | 2                      | 33           | 2.7      | 0.6              | 43.95  | 0.03      | 148.05  | 0.06  | 54   | 2   | 8.2   |       | 4.4       |     |     | 3.5  | SKHL |      |  |          |   |
| 296 | 2010           | 6                   | 4              | 10                     | 53           | 5.8      | 0.1              | 44.15  | 0.02      | 147.43  | 0.04  | 49   | 4   | 8.9   |       | 4.6       |     |     | 3.9  | SKHL |      |  |          |   |
| 297 | 2010           | 6                   | 4              | 17                     | 50           | 33.9     | 0.6              | 44.24  | 0.09      | 150.75  | 0.11  | 37   | 5   | 9.3   | 4.3   | 4.8       | 4.8 |     | 4.3  | SKHL |      |  |          |   |
| 298 | 2010           | 6                   | 5              | 5                      | 0            | 58.8     | 0.6              | 42.41  | 0.03      | 145.32  | 0.13  | 47   | 2   | 9.1   |       | 4.5       |     |     | 4.0  | SKHL |      |  |          |   |
| 299 | 2010           | 6                   | 5              | 5                      | 22           | 3.6      | 1.0              | 43.36  | 0.06      | 146.91  | 0.14  | 77   | 5   | 11.5  | 4.9   | 5.5       |     | 6.0 | 5.2  | SKHL |      |  |          |   |
| 300 | 2010           | 6                   | 6              | 10                     | 46           | 42.1     | 0.7              | 42.59  | 0.05      | 148.93  | 0.07  | 47   | 3   | 9.2   |       | 4.3       |     |     | 4.0  | SKHL |      |  |          |   |
| 301 | 2010           | 6                   | 7              | 17                     | 46           | 16.4     | 0.9              | 43.71  | 0.08      | 147.74  | 0.13  | 83   | 9   | 9.1   |       | 5.0       |     | 5.4 | 4.0  | SKHL |      |  |          |   |
| 302 | 2010           | 6                   | 7              | 20                     | 9            | 1.4      | 0.5              | 47.48  | 0.07      | 145.66  | 0.20  | 448  | 7   |       |       | 4.4       | 5.3 | 4.9 | 4.8  | SKHL |      |  |          |   |
| 303 | 2010           | 6                   | 8              | 10                     | 10           | 30.4     | 0.6              | 43.86  | 0.06      | 147.26  | 0.08  | 46   | 6   | 8.9   |       | 4.6       |     |     | 3.9  | SKHL |      |  |          |   |
| 304 | 2010           | 6                   | 10             | 1                      | 12           | 29.5     | 0.2              | 47.93  | 0.05      | 152.56  | 0.09  | 111  | 5   | 9.7   |       | 4.3       | 5.1 | 4.5 | 5.7  | 4.3  | SKHL |  |          |   |
| 305 | 2010           | 6                   | 12             | 9                      | 36           | 9.2      | 0.2              | 43.38  | 0.05      | 147.20  | 0.11  | 70   | 5   | 8.7   |       | 4.4       |     |     | 3.8  | SKHL |      |  |          |   |
| 306 | 2010           | 6                   | 12             | 15                     | 19           | 47.7     | 0.2              | 43.42  | 0.07      | 147.23  | 0.14  | 71   | 7   | 9.7   |       | 4.5       |     |     | 4.3  | SKHL |      |  |          |   |
| 307 | 2010           | 6                   | 12             | 21                     | 57           | 49.5     | 0.4              | 42.91  | 0.03      | 145.92  | 0.13  | 44   | 8   | 8.4   |       | 4.5       |     |     | 3.6  | SKHL |      |  |          |   |
| 308 | 2010           | 6                   | 13             | 7                      | 47           | 25.0     | 0.7              | 45.62  | 0.10      | 151.88  | 0.13  | 62   | 4   | 10.4  | 3.8   | 5.1       | 5.2 |     | 3.8  | SKHL |      |  |          |   |
| 309 | 2010           | 6                   | 13             | 16                     | 24           | 5.8      | 0.5              | 44.18  | 0.06      | 147.72  | 0.11  | 102  | 9   | 9.9   | 4.2   | 4.5       |     | 5.8 | 4.4  | SKHL |      |  |          |   |
| 310 | 2010           | 6                   | 14             | 18                     | 58           | 1.4      | 0.7              | 44.87  | 0.10      | 146.85  | 0.24  | 173  | 7   | 8.5   |       | 4.5       |     | 4.9 | 3.7  | SKHL |      |  |          |   |
| 311 | 2010           | 6                   | 14             | 19                     | 37           | 22.1     | 0.3              | 44.47  | 0.04      | 148.48  | 0.09  | 34   | 1   | 9.0   |       | 4.5       |     |     | 3.9  | SKHL |      |  |          |   |
| 312 | 2010           | 6                   | 15             | 12                     | 53           | 2.3      | 0.5              | 43.74  | 0.07      | 144.45  | 0.18  | 142  | 2   | 8.5   |       | 5.1       |     | 4.9 | 3.7  | SKHL |      |  |          |   |
| 313 | 2010           | 6                   | 15             | 17                     | 11           | 41.8     | 0.8              | 47.75  | 0.03      | 155.12  | 0.10  | 50   | 8   | 8.8   |       | 4.6       |     |     | 3.8  | SKHL |      |  |          |   |
| 314 | 2010           | 6                   | 16             | 12                     | 49           | 54.2     | 0.5              | 46.72  | 0.08      | 153.22  | 0.15  | 81   | 3   | 9.7   | 3.8   | 4.9       |     | 5.5 | 4.3  | SKHL |      |  |          |   |
| 315 | 2010           | 6                   | 17             | 6                      | 7            | 52.3     | 0.6              | 46.28  | 0.06      | 153.52  | 0.09  | 87   | 4   | 9.3   |       | 4.7       |     | 5.5 | 4.1  | SKHL |      |  |          |   |
| 316 | 2010           | 6                   | 18             | 2                      | 23           | 4.5      | 0.2              | 44.22  | 0.07      | 149.05  | 0.13  | 53   | 4   | 12.1  | 6.2   | 6.7       | 6.2 | 6.6 | 6.4  | 6.2  | SKHL |  |          |   |
| 317 | 2010           | 6                   | 18             | 2                      | 31           | 39.5     | 0.7              | 44.32  | 0.08      | 149.10  | 0.09  | 56   | 3   | 9.9   |       | 5.2       |     |     | 4.4  | SKHL |      |  |          |   |
| 318 | 2010           | 6                   | 18             | 5                      | 6            | 16.4     | 1.1              | 44.36  | 0.07      | 149.10  | 0.09  | 52   | 4   | 8.5   |       | 4.4       |     |     | 3.7  | SKHL |      |  |          |   |
| 319 | 2010           | 6                   | 18             | 9                      | 49           | 31.2     | 2.0              | 44.30  | 0.07      | 149.18  | 0.09  | 38   | 1   | 8.8   |       | 4.7       |     |     | 3.8  | SKHL |      |  |          |   |
| 320 | 2010           | 6                   | 18             | 10                     | 27           | 33.6     | 0.5              | 44.24  | 0.07      | 149.09  | 0.09  | 43   | 8   | 8.4   |       | 4.5       |     |     | 3.6  | SKHL |      |  |          |   |
| 321 | 2010           | 6                   | 18             | 17                     | 12           | 5.0      | 0.5              | 44.24  | 0.07      | 148.83  | 0.13  | 53   | 6   | 9.8   |       | 4.7       |     |     | 4.3  | SKHL |      |  |          |   |
| 322 | 2010           | 6                   | 19             | 2                      | 39           | 15.2     | 0.7              | 44.28  | 0.07      | 149.23  | 0.10  | 52   | 5   | 11.2  | 5.0   | 5.6       | 5.5 | 5.3 | 5.5  | 5.0  | SKHL |  |          |   |
| 323 | 2010           | 6                   | 19             | 4                      | 34           | 6.0      | 0.6              | 44.32  | 0.07      | 149.19  | 0.10  | 45   | 1   | 8.5   |       | 4.1       |     |     | 3.7  | SKHL |      |  |          |   |
| 324 | 2010           | 6                   | 19             | 12                     | 22           | 56.1     | 0.4              | 44.24  | 0.04      | 149.04  | 0.05  | 50   | 5   | 8.4   |       | 4.4       |     |     | 3.6  | SKHL |      |  |          |   |
| 325 | 2010           | 6                   | 19             | 16                     | 34           | 35.2     | 0.1              | 44.53  | 0.09      | 148.46  | 0.15  | 79   | 2   | 8.7   |       | 4.5       |     |     | 3.8  | SKHL |      |  |          |   |
| 326 | 2010           | 6                   | 19             | 18                     | 4            | 19.3     | 0.1              | 44.09  | 0.06      | 147.62  | 0.10  | 67   | 3   | 9.4   |       | 5.3       |     |     | 4.1  | SKHL |      |  |          |   |
| 327 | 2010           | 6                   | 21             | 2                      | 53           | 52.0     | 0.3              | 43.79  | 0.06      | 147.34  | 0.10  | 72   | 2   | 9.7   |       | 5.3       |     |     | 4.3  | SKHL |      |  |          |   |
| 328 | 2010           | 6                   | 22             | 4                      | 8            | 32.8     | 0.9              | 44.39  | 0.05      | 148.32  | 0.10  | 45   | 6   | 9.4   |       | 4.5       |     |     | 4.1  | SKHL |      |  |          |   |
| 329 | 2010           | 6                   | 22             | 5                      | 12           | 23.4     | 0.2              | 44.28  | 0.07      | 148.92  | 0.11  | 54   | 4   | 9.6   |       | 4.8       |     |     | 4.2  | SKHL |      |  |          |   |
| 330 | 2010           | 6                   | 23             | 10                     | 39           | 4.5      | 0.5              | 46.87  | 0.27      | 153.25  | 0.37  | 45   | 1   | 9.7   |       | 5.0       |     |     | 4.3  | SKHL |      |  |          |   |
| 331 | 2010           | 6                   | 23             | 13                     | 23           | 1.1      | 0.2              | 44.31  | 0.05      | 149.08  | 0.08  | 56   | 1   | 10.9  |       | 5.1       |     |     | 4.9  | SKHL |      |  |          |   |
| 332 | 2010           | 6                   | 23             | 21                     | 59           | 26.6     | 2.2              | 48.707 |           | 155.421 | 0.280 | 166  | 26  | 10.2  |       |           |     |     | 3.7  | KRSC |      |  |          |   |
| 333 | 2010           | 6                   | 24             | 11                     | 45           | 3.4      | 0.1              | 46.53  | 0.05      | 152.86  | 0.08  | 68   | 1   | 10.6  | 3.9   | 4.9       | 5.2 |     | 3.9  | SKHL |      |  |          |   |
| 334 | 2010           | 6                   | 25             | 17                     | 16           | 40.7     | 0.7              | 44.87  | 0.09      | 149.67  | 0.10  | 44   | 4   | 8.8   |       | 4.7       |     |     | 3.8  | SKHL |      |  |          |   |

<sup>11</sup> Малокурильское (52 км) – 5 баллов; Южно-Курильск (103 км) – 3 балла.

<sup>12</sup> Курильск (144 км), Малокурильское (178 км) – 3 балла; Южно-Курильск (251 км) – 2 балла.

| №   | Дата, год м д  |                     |                | Время, $t_0$ , ч мин с |              |          | $\delta t_0$ , с | Гипоцентр       |      |         |       |     | $K_C$ | $K_S$ | Магнитуды |     |     |     |     |     |     | Код сети | I   |      |    |
|-----|----------------|---------------------|----------------|------------------------|--------------|----------|------------------|-----------------|------|---------|-------|-----|-------|-------|-----------|-----|-----|-----|-----|-----|-----|----------|-----|------|----|
|     | $\varphi$ , °N | $\delta\varphi$ , ° | $\lambda$ , °E | $\delta\lambda$ , °    | $\delta$ , ° | $h$ , км |                  | $\delta h$ , км | MLH  | MPV     | MPVA  | MSH |       |       | MSHA      | MPH | M   |     |     |     |     |          |     |      |    |
| 335 | 2010           | 6                   | 27             | 11                     | 20           | 39.9     | 1.0              | 45.12           | 0.10 | 152.08  | 0.12  | 44  | 5     | 9.0   |           |     |     | 4.3 |     |     |     |          | 3.9 | SKHL |    |
| 336 | 2010           | 6                   | 28             | 3                      | 39           | 38.0     |                  | 47.30           | 0.24 | 154.42  | 0.23  | 78  | 2     | 9.3   |           |     |     | 4.5 |     |     |     |          | 4.1 | SKHL |    |
| 337 | 2010           | 6                   | 28             | 12                     | 34           | 33.9     | 2.9              | 48.777          |      | 156.688 | 0.311 | 15  | 8     | 10.0  |           |     |     |     |     |     |     |          | 3.6 | KRSC |    |
| 338 | 2010           | 6                   | 28             | 13                     | 24           | 9.8      | 2.1              | 48.711          |      | 156.333 | 0.221 | 6   | 6     | 9.5   |           |     |     |     |     |     |     |          | 3.3 | KRSC |    |
| 339 | 2010           | 6                   | 29             | 11                     | 48           | 17.8     | 0.8              | 47.96           | 0.05 | 154.88  | 0.11  | 67  | 9     | 11.5  | 5.1       | 6.1 | 5.8 | 5.6 |     |     |     | 6.0      | 5.1 | SKHL |    |
| 340 | 2010           | 6                   | 29             | 12                     | 43           | 39.7     | 0.7              | 48.00           | 0.05 | 154.87  | 0.15  | 66  | 3     | 9.4   |           |     |     | 5.1 |     |     |     |          | 4.1 | SKHL |    |
| 341 | 2010           | 6                   | 29             | 13                     | 57           | 15.6     | 0.5              | 44.30           | 0.06 | 148.17  | 0.10  | 37  | 2     | 9.1   |           |     |     | 4.6 |     |     |     |          | 4.0 | SKHL |    |
| 342 | 2010           | 6                   | 29             | 13                     | 58           | 36.3     | 0.5              | 47.98           | 0.08 | 154.75  | 0.26  | 53  | 1     | 9.5   |           |     |     | 4.7 |     |     |     |          | 4.2 | SKHL |    |
| 343 | 2010           | 6                   | 29             | 13                     | 59           | 46.8     | 0.4              | 44.32           | 0.07 | 148.14  | 0.12  | 60  | 2     | 8.9   |           |     |     | 4.5 |     |     |     |          | 3.9 | SKHL |    |
| 344 | 2010           | 6                   | 29             | 18                     | 17           | 27.9     | 0.4              | 47.91           | 0.06 | 154.22  | 0.14  | 84  | 2     | 9.2   |           |     |     | 5.2 |     | 5.2 |     |          | 4.0 | SKHL |    |
| 345 | 2010           | 6                   | 29             | 21                     | 46           | 24.0     | 0.2              | 48.35           | 0.14 | 154.62  | 0.41  | 56  | 4     | 9.3   |           |     |     | 4.6 |     |     |     |          | 4.1 | SKHL |    |
| 346 | 2010           | 6                   | 30             | 2                      | 2            | 52.9     | 2.0              | 48.035          |      | 156.749 | 0.343 | 19  | 74    | 9.7   |           |     |     |     |     |     |     |          | 3.4 | KRSC |    |
| 347 | 2010           | 6                   | 30             | 6                      | 51           | 27.8     | 1.9              | 48.746          |      | 156.669 | 0.242 | 7   | 36    | 9.6   |           |     |     |     |     |     |     |          | 3.3 | KRSC |    |
| 348 | 2010           | 6                   | 30             | 11                     | 6            | 46.0     | 0.9              | 44.26           | 0.05 | 148.90  | 0.07  | 43  | 8     | 8.9   |           |     |     | 4.6 |     |     |     |          | 3.9 | SKHL |    |
| 349 | 2010           | 6                   | 30             | 16                     | 29           | 5.9      | 0.6              | 44.94           | 0.02 | 149.67  | 0.03  | 58  | 1     | 8.9   |           |     |     | 4.4 |     |     |     |          | 3.9 | SKHL |    |
| 350 | 2010           | 7                   | 1              | 1                      | 49           | 11.0     | 0.4              | 48.28           | 0.13 | 154.11  | 0.34  | 10  | 4     | 8.4   |           |     |     | 4.7 |     |     |     |          | 3.6 | SKHL |    |
| 351 | 2010           | 7                   | 1              | 3                      | 10           | 8.5      | 0.6              | 43.87           | 0.12 | 148.62  | 0.20  | 30  | 5     | 7.8   |           |     |     | 4.4 |     |     |     |          | 3.3 | SKHL |    |
| 352 | 2010           | 7                   | 2              | 1                      | 19           | 45.6     | 0.3              | 44.50           | 0.10 | 149.11  | 0.21  | 60  | 5     | 10.0  |           |     |     | 5.0 |     |     |     |          | 4.4 | SKHL |    |
| 353 | 2010           | 7                   | 2              | 11                     | 22           | 9.1      | 0.4              | 43.55           | 0.09 | 146.87  | 0.23  | 58  | 4     | 9.2   |           |     |     | 4.7 |     |     |     |          | 4.0 | SKHL |    |
| 354 | 2010           | 7                   | 3              | 1                      | 29           | 53.8     | 0.6              | 47.28           | 0.26 | 152.49  | 0.51  | 3   | 3     | 8.4   |           |     |     | 4.7 |     |     |     |          | 3.6 | SKHL |    |
| 355 | 2010           | 7                   | 4              | 4                      | 53           | 0.9      | 0.1              | 44.40           | 0.02 | 148.89  | 0.04  | 33  | 5     | 7.9   |           |     |     | 4.5 |     |     |     |          | 3.4 | SKHL |    |
| 356 | 2010           | 7                   | 4              | 11                     | 12           | 2.0      | 0.4              | 45.24           | 0.07 | 149.69  | 0.12  | 118 | 5     | 10.1  |           |     |     | 5.0 |     | 5.4 |     |          | 4.5 | SKHL |    |
| 357 | 2010           | 7                   | 5              | 0                      | 25           | 13.1     | 0.8              | 45.31           | 0.06 | 149.94  | 0.09  | 125 | 5     | 9.8   |           |     |     | 5.0 | 5.3 | 5.4 |     |          | 5.1 | SKHL | 13 |
| 358 | 2010           | 7                   | 5              | 0                      | 53           | 13.5     | 0.5              | 44.03           | 0.06 | 147.16  | 0.24  | 63  | 5     | 10.0  |           |     |     | 5.2 |     |     |     |          | 4.4 | SKHL | 13 |
| 359 | 2010           | 7                   | 5              | 14                     | 21           | 9.8      | 0.1              | 43.69           | 0.02 | 147.51  | 0.03  | 33  | 5     | 8.0   |           |     |     | 4.2 |     |     |     |          | 3.4 | SKHL |    |
| 360 | 2010           | 7                   | 6              | 4                      | 20           | 28.0     | 0.5              | 43.66           | 0.02 | 147.69  | 0.04  | 45  | 1     | 7.9   |           |     |     | 4.0 |     |     |     |          | 3.4 | SKHL |    |
| 361 | 2010           | 7                   | 6              | 13                     | 58           | 19.7     | 0.8              | 48.47           | 0.06 | 155.71  | 0.24  | 75  | 4     | 9.5   |           |     |     | 4.8 |     |     |     |          | 4.2 | SKHL |    |
| 362 | 2010           | 7                   | 7              | 23                     | 50           | 27.2     | 1.0              | 46.45           | 0.17 | 151.37  | 0.37  | 86  | 2     | 8.9   |           |     |     | 4.7 |     | 5.2 |     |          | 3.9 | SKHL |    |
| 363 | 2010           | 7                   | 8              | 3                      | 14           | 0.2      | 1.1              | 48.16           | 0.13 | 148.92  | 0.26  | 381 | 10    |       |           |     | 3.7 | 5.7 | 5.3 | 5.1 | 5.4 | 5.9      | 4.6 | SKHL | 14 |
| 364 | 2010           | 7                   | 8              | 12                     | 23           | 27.8     | 0.8              | 42.53           | 0.03 | 144.58  | 0.11  | 73  | 5     | 11.0  |           |     |     | 4.0 |     | 5.0 |     |          | 4.9 | SKHL | 14 |
| 365 | 2010           | 7                   | 9              | 0                      | 22           | 51.3     | 1.0              | 48.62           | 0.15 | 155.00  | 0.47  | 10  | 5     | 9.0   |           |     |     | 4.6 |     |     |     |          | 3.9 | SKHL |    |
| 366 | 2010           | 7                   | 9              | 11                     | 33           | 1.9      | 0.7              | 45.11           | 0.18 | 147.55  | 0.44  | 115 | 4     | 8.9   |           |     |     | 4.7 |     | 5.2 |     |          | 3.9 | SKHL |    |
| 367 | 2010           | 7                   | 9              | 19                     | 49           | 13.8     | 0.3              | 43.68           | 0.01 | 146.84  | 0.01  | 24  | 2     | 8.2   |           |     |     | 4.3 |     |     |     |          | 3.5 | SKHL |    |
| 368 | 2010           | 7                   | 10             | 18                     | 15           | 20.6     | 0.9              | 47.93           | 0.09 | 155.12  | 0.27  | 60  | 5     | 8.6   |           |     |     | 4.5 | 4.0 |     |     |          | 3.7 | SKHL |    |
| 369 | 2010           | 7                   | 11             | 8                      | 21           | 15.4     | 0.9              | 46.29           | 0.12 | 152.58  | 0.17  | 80  | 5     | 8.9   | 3.4       | 5.0 | 4.5 | 4.3 |     |     |     |          | 4.1 | SKHL |    |
| 370 | 2010           | 7                   | 11             | 14                     | 57           | 43.2     | 0.9              | 48.84           | 0.14 | 155.45  | 0.50  | 70  | 4     | 9.4   |           |     |     | 3.7 |     |     |     |          | 4.1 | SKHL |    |
| 371 | 2010           | 7                   | 12             | 8                      | 44           | 52.2     | 1.0              | 45.60           | 0.12 | 152.71  | 0.14  | 57  | 5     | 9.9   |           |     |     | 4.7 |     |     |     |          | 4.4 | SKHL |    |
| 372 | 2010           | 7                   | 13             | 20                     | 36           | 19.3     | 0.3              | 45.13           | 0.06 | 150.97  | 0.12  | 84  | 5     | 10.2  | 4.2       | 5.6 | 5.3 |     | 5.5 |     |     |          | 4.5 | SKHL |    |
| 373 | 2010           | 7                   | 14             | 21                     | 32           | 34.7     | 0.7              | 47.07           | 0.08 | 152.85  | 0.16  | 85  | 5     | 9.9   |           |     |     | 4.8 |     | 5.5 |     |          | 4.4 | SKHL |    |
| 374 | 2010           | 7                   | 15             | 6                      | 46           | 19.6     | 0.4              | 44.38           | 0.04 | 148.40  | 0.09  | 25  | 5     | 8.3   |           |     |     | 4.2 |     |     |     |          | 3.6 | SKHL |    |
| 375 | 2010           | 7                   | 15             | 21                     | 18           | 38.9     | 0.6              | 42.90           | 0.03 | 145.00  | 0.19  | 97  | 5     | 10.9  |           |     |     | 5.0 | 5.2 | 5.8 |     |          | 5.0 | SKHL |    |
| 376 | 2010           | 7                   | 16             | 2                      | 50           | 24.4     | 0.3              | 44.00           | 0.01 | 146.86  | 0.03  | 79  | 5     | 8.2   |           |     |     | 3.9 |     |     |     |          | 3.5 | SKHL |    |
| 377 | 2010           | 7                   | 16             | 3                      | 46           | 23.7     | 0.4              | 45.98           | 0.08 | 150.23  | 0.17  | 170 | 5     | 8.5   |           |     |     | 4.6 |     | 4.9 |     |          | 3.7 | SKHL |    |
| 378 | 2010           | 7                   | 16             | 7                      | 9            | 5.2      | 0.1              | 44.98           | 0.04 | 150.12  | 0.06  | 30  | 5     | 7.7   |           |     |     | 4.4 |     |     |     |          | 3.3 | SKHL |    |
| 379 | 2010           | 7                   | 18             | 1                      | 58           | 58.2     | 1.0              | 49.00           | 0.16 | 154.04  | 0.29  | 168 | 5     | 8.8   | 3.2       | 4.5 | 4.9 | 4.3 | 5.2 |     |     |          | 4.0 | SKHL | 15 |
| 380 | 2010           | 7                   | 20             | 3                      | 25           | 43.4     | 0.3              | 44.68           | 0.06 | 148.44  | 0.24  | 75  | 4     | 9.8   |           |     |     | 4.7 |     |     |     |          | 4.3 | SKHL | 15 |
| 381 | 2010           | 7                   | 20             | 9                      | 40           | 53.3     | 0.5              | 43.40           | 0.05 | 147.78  | 0.10  | 25  | 5     | 7.7   |           |     |     | 4.3 |     |     |     |          | 3.3 | SKHL |    |
| 382 | 2010           | 7                   | 20             | 15                     | 12           | 15.3     | 0.8              | 45.50           | 0.09 | 149.07  | 0.25  | 148 | 4     | 9.6   |           |     |     | 4.9 |     | 5.6 |     |          | 4.2 | SKHL |    |
| 383 | 2010           | 7                   | 21             | 1                      | 43           | 51.0     | 0.4              | 43.06           | 0.03 | 145.96  | 0.18  | 25  | 5     | 7.8   |           |     |     | 4.5 |     |     |     |          | 3.3 | SKHL |    |
| 384 | 2010           | 7                   | 21             | 14                     | 31           | 41.2     | 0.1              | 46.14           | 0.12 | 153.27  | 0.18  | 33  | 5     | 8.8   |           |     |     | 4.6 |     |     |     |          | 3.8 | SKHL |    |
| 385 | 2010           | 7                   | 21             | 20                     | 10           | 44.5     | 0.7              | 44.71           | 0.06 | 147.59  | 0.20  | 115 | 5     | 9.8   |           |     |     | 4.9 | 4.9 | 5.6 |     |          | 4.7 | SKHL |    |
| 386 | 2010           | 7                   | 22             | 13                     | 33           | 37.7     | 0.5              | 47.18           | 0.08 | 155.07  | 0.35  | 58  | 5     | 8.7   | 3.8       |     |     | 4.3 |     |     |     |          | 3.8 | SKHL |    |
| 387 | 2010           | 7                   | 22             | 15                     | 16           | 43.1     | 0.4              | 43.20           | 0.03 | 146.45  | 0.19  | 52  | 4     | 8.4   |           |     |     | 3.8 |     |     |     |          | 3.6 | SKHL |    |
| 388 | 2010           | 7                   | 22             | 17                     | 30           | 25.2     | 0.1              | 45.63           | 0.05 | 152.18  | 0.14  | 27  | 5     | 10.6  | 4.1       | 6.0 | 5.1 | 5.2 |     |     | 5.7 |          | 4.1 | SKHL |    |
| 389 | 2010           | 7                   | 22             | 19                     | 7            | 18.7     | 0.8              | 45.46           | 0.13 | 152.63  | 0.09  | 33  | 4     | 8.7   |           |     |     | 4.6 |     |     |     |          | 3.8 | SKHL |    |
| 390 | 2010           | 7                   | 23             | 12                     | 23           | 58.6     | 0.2              | 43.05           | 0.14 | 143.97  | 0.48  | 115 | 5     | 9.4   |           |     |     | 4.7 | 4.6 | 5.2 |     |          | 4.4 | SKHL |    |
| 391 | 2010           | 7                   | 23             | 14                     | 42           | 25.6     | 0.6              | 46.39           | 0.09 | 153.14  | 0.18  | 20  | 4     | 8.9   |           |     |     | 4.4 | 3.7 |     |     |          | 3.9 | SKHL |    |

<sup>13</sup> Малокурильское (78 км) – 3 балла.

<sup>14</sup> Южно-Курильск (196 км) – 2 балла.

<sup>15</sup> Горячие Ключи (65 км), Горный (71 км) – 2–3 балла; Рейдово (72 км), Курильск (76 км), Китовый (76 км) – 2 балла.

| №   | Дата,<br>год м д | Время, $t_0$ ,<br>ч мин с | $\delta t_0$ ,<br>с | Гипоцентр      |                     |                |                     |              | $K_C$ | $K_S$ | Магнитуды |                 |      |     |      |     |      | Код<br>сети | I |     |     |     |     |      |      |
|-----|------------------|---------------------------|---------------------|----------------|---------------------|----------------|---------------------|--------------|-------|-------|-----------|-----------------|------|-----|------|-----|------|-------------|---|-----|-----|-----|-----|------|------|
|     |                  |                           |                     | $\varphi$ , °N | $\delta\varphi$ , ° | $\lambda$ , °E | $\delta\lambda$ , ° | $\delta$ , ° |       |       | $h$ , км  | $\delta h$ , км | MLH  | MPV | MPVA | MSH | MSHA |             |   | MPH | M   |     |     |      |      |
| 392 | 2010             | 7 25 17 53 50.3           | 0.4                 | 44.12          | 0.01                | 147.91         | 0.01                | 80           | 5     | 7.7   |           |                 |      |     |      |     |      |             |   | 3.8 |     |     | 3.3 | SKHL |      |
| 393 | 2010             | 7 26 3 47 29.4            | 0.4                 | 43.46          | 0.11                | 146.35         | 0.33                | 58           | 4     | 8.5   |           |                 |      |     |      |     |      |             |   | 4.6 |     |     | 3.7 | SKHL |      |
| 394 | 2010             | 7 27 0 56 24.1            | 0.6                 | 46.61          | 0.06                | 152.80         | 0.11                | 58           | 4     | 9.1   |           |                 | 4.3  |     |      |     |      |             |   | 4.7 |     |     | 4.3 | SKHL |      |
| 395 | 2010             | 7 27 5 48 39.7            | 0.6                 | 46.55          | 0.01                | 155.16         | 0.02                | 54           | 4     | 8.9   |           |                 |      |     |      |     |      |             |   | 4.8 |     |     | 3.9 | SKHL |      |
| 396 | 2010             | 7 27 14 34 30.7           | 0.4                 | 44.63          | 0.09                | 148.33         | 0.20                | 83           | 4     | 8.5   |           |                 |      |     |      |     |      |             |   | 4.8 |     | 5.1 | 3.7 | SKHL |      |
| 397 | 2010             | 7 28 2 26 44.3            | 0.1                 | 45.85          | 0.17                | 149.42         | 0.27                | 147          | 4     | 8.5   |           |                 |      |     |      |     |      |             |   | 4.6 |     | 5.0 | 3.7 | SKHL |      |
| 398 | 2010             | 7 28 6 50 4.6             | 0.3                 | 48.25          | 0.11                | 155.77         | 0.65                | 30           | 5     | 9.3   |           |                 |      |     |      |     |      |             |   | 4.9 |     |     | 4.1 | SKHL |      |
| 399 | 2010             | 7 28 6 55 57.4            | 1.1                 | 48.41          | 0.10                | 155.58         | 0.46                | 15           | 4     | 9.2   |           |                 |      |     |      |     |      |             |   | 4.8 |     |     | 4.0 | SKHL |      |
| 400 | 2010             | 7 28 10 54 18.7           | 0.3                 | 44.36          | 0.04                | 148.09         | 0.07                | 27           | 1     | 8.1   |           |                 |      |     |      |     |      |             |   | 4.1 |     |     | 3.5 | SKHL |      |
| 401 | 2010             | 7 29 1 20 14.7            | 0.9                 | 46.81          | 0.05                | 152.29         | 0.13                | 124          | 5     | 10.2  |           |                 |      |     |      |     |      |             |   | 6.4 | 5.2 | 5.0 | 5.5 | 4.8  | SKHL |
| 402 | 2010             | 7 29 12 35 23.4           | 0.7                 | 44.12          | 0.05                | 148.19         | 0.09                | 40           | 4     | 8.3   |           |                 |      |     |      |     |      |             |   | 4.5 |     |     | 3.6 | SKHL |      |
| 403 | 2010             | 7 30 7 53 23.5            | 0.6                 | 46.32          | 0.08                | 153.80         | 0.16                | 38           | 5     | 9.4   |           |                 | 4.6  | 5.4 |      |     |      |             |   | 5.0 | 5.2 |     | 4.6 | SKHL |      |
| 404 | 2010             | 7 30 8 57 45.3            | 0.6                 | 45.00          | 0.16                | 150.33         | 0.16                | 25           | 5     | 8.7   |           |                 |      |     |      |     |      |             |   | 4.2 | 4.5 |     | 3.8 | SKHL |      |
| 405 | 2010             | 7 30 17 57 10.4           | 0.9                 | 43.51          | 0.02                | 145.17         | 0.09                | 127          | 4     | 8.5   |           |                 |      |     |      |     |      |             |   | 4.4 |     | 4.7 | 3.7 | SKHL |      |
| 406 | 2010             | 7 31 6 33 16.1            | 0.6                 | 44.34          | 0.05                | 148.05         | 0.12                | 30           | 5     | 8.8   |           |                 |      |     |      |     |      |             |   | 4.2 |     |     | 3.8 | SKHL |      |
| 407 | 2010             | 8 1 13 49 32.4            | 0.8                 | 49.03          | 0.07                | 151.71         | 0.18                | 306          | 1     |       |           |                 |      |     |      |     |      |             |   | 5.1 |     | 5.3 | 3.8 | SKHL |      |
| 408 | 2010             | 8 3 14 13 33.4            | 0.8                 | 46.67          | 0.02                | 154.51         | 0.04                | 29           | 4     | 8.4   |           |                 |      |     |      |     |      |             |   | 4.3 |     |     | 3.6 | SKHL |      |
| 409 | 2010             | 8 3 15 38 19.8            | 0.8                 | 48.18          | 0.06                | 154.71         | 0.16                | 71           | 1     | 10.6  |           |                 |      |     |      |     |      |             |   | 5.0 |     |     | 4.7 | SKHL |      |
| 410 | 2010             | 8 4 20 9 35.9             | 0.6                 | 44.42          | 0.06                | 148.49         | 0.10                | 69           | 6     | 9.8   |           |                 |      |     |      |     |      |             |   | 4.1 |     |     | 4.3 | SKHL |      |
| 411 | 2010             | 8 4 22 37 39.2            | 0.7                 | 44.37          | 0.14                | 150.14         | 0.10                | 67           | 3     | 8.6   |           |                 |      |     |      |     |      |             |   | 4.1 |     |     | 3.7 | SKHL |      |
| 412 | 2010             | 8 4 23 48 0.0             | 0.5                 | 45.90          | 0.12                | 153.41         | 0.22                | 35           | 1     | 11.9  |           |                 | 5.7  | 6.0 |      |     |      |             |   | 5.8 | 6.1 |     | 6.1 | 5.7  | SKHL |
| 413 | 2010             | 8 5 3 35 35.9             | 0.7                 | 46.12          | 0.08                | 153.29         | 0.15                | 36           | 5     | 9.5   |           |                 |      |     |      |     |      |             |   | 4.5 |     |     | 4.2 | SKHL |      |
| 414 | 2010             | 8 5 15 42 14.8            | 0.9                 | 46.16          | 0.07                | 153.13         | 0.16                | 38           | 3     | 8.9   |           |                 | 4.6  |     |      |     |      |             |   | 4.4 | 4.2 |     | 3.9 | SKHL |      |
| 415 | 2010             | 8 5 21 47 30.9            | 0.5                 | 47.23          | 0.07                | 155.27         | 0.19                | 40           | 3     | 8.7   |           |                 |      |     |      |     |      |             |   | 4.6 |     |     | 3.8 | SKHL |      |
| 416 | 2010             | 8 6 16 36 18.9            | 0.4                 | 48.35          | 0.08                | 154.48         | 0.21                | 65           | 3     | 8.6   |           |                 |      |     |      |     |      |             |   | 4.5 |     |     | 3.7 | SKHL |      |
| 417 | 2010             | 8 7 3 56 1.4              | 0.6                 | 46.59          | 0.15                | 152.75         | 0.21                | 90           | 8     | 9.4   |           |                 |      |     |      |     |      |             |   | 4.7 |     | 5.5 | 4.1 | SKHL |      |
| 418 | 2010             | 8 7 5 31 24.7             | 0.1                 | 42.78          | 0.05                | 145.07         | 0.14                | 67           | 7     | 9.2   |           |                 | 4.0  |     |      |     |      |             |   | 4.6 |     |     | 4.0 | SKHL |      |
| 419 | 2010             | 8 8 0 19 6.9              | 1.0                 | 48.810         |                     | 156.117        |                     | 0.190        | 80    | 29    |           |                 | 9.7  |     |      |     |      |             |   |     |     |     | 3.4 | KRSC |      |
| 420 | 2010             | 8 8 10 0 27.5             | 0.3                 | 47.37          | 0.05                | 154.83         | 0.11                | 70           | 3     | 9.3   |           |                 |      |     |      |     |      |             |   | 4.5 |     |     | 4.1 | SKHL |      |
| 421 | 2010             | 8 9 0 53 56.6             | 1.0                 | 48.06          | 0.04                | 155.80         | 0.12                | 45           | 7     | 9.7   |           |                 | 4.0  | 5.1 |      |     |      |             |   | 4.8 | 4.9 |     | 5.1 | 4.0  | SKHL |
| 422 | 2010             | 8 9 2 16 56.9             | 1.0                 | 48.486         |                     | 155.590        |                     | 0.124        | 92    | 17    |           |                 | 9.6  |     |      |     |      |             |   |     |     |     | 3.3 | KRSC |      |
| 423 | 2010             | 8 9 22 27 9.8             | 0.1                 | 46.08          | 0.09                | 153.05         | 0.13                | 55           | 5     | 9.3   |           |                 |      |     |      |     |      |             |   | 4.5 |     |     | 4.1 | SKHL |      |
| 424 | 2010             | 8 10 2 59 23.0            | 0.9                 | 44.39          | 0.07                | 146.01         | 0.17                | 158          | 1     | 8.2   |           |                 |      |     |      |     |      |             |   | 4.8 |     | 4.7 | 3.5 | SKHL |      |
| 425 | 2010             | 8 11 7 7 38.9             | 1.1                 | 47.82          | 0.07                | 146.88         | 0.17                | 426          | 15    |       |           |                 |      |     |      |     |      |             |   | 4.5 |     | 4.8 | 3.4 | SKHL |      |
| 426 | 2010             | 8 13 1 33 53.4            | 0.4                 | 48.04          | 0.10                | 148.87         | 0.23                | 390          | 11    |       |           |                 | 4.6  | 6.1 |      |     |      |             |   | 5.8 | 5.7 | 6.3 | 5.9 | 5.2  | SKHL |
| 427 | 2010             | 8 13 11 31 24.3           | 0.6                 | 45.99          | 0.13                | 153.23         | 0.17                | 27           | 1     | 9.5   |           |                 |      |     |      |     |      |             |   | 4.7 |     |     | 4.2 | SKHL |      |
| 428 | 2010             | 8 13 15 36 33.3           | 0.7                 | 42.95          | 0.04                | 146.92         | 0.09                | 58           | 5     | 9.2   |           |                 |      |     |      |     |      |             |   | 4.2 |     |     | 4.0 | SKHL |      |
| 429 | 2010             | 8 13 20 21 27.5           | 2.8                 | 48.659         |                     | 155.853        |                     | 0.301        | 49    | 21    |           |                 | 9.5  |     |      |     |      |             |   |     |     |     | 3.3 | KRSC |      |
| 430 | 2010             | 8 16 10 38 47.8           | 0.3                 | 46.86          | 0.01                | 154.38         | 0.02                | 42           | 4     | 8.7   |           |                 |      |     |      |     |      |             |   | 4.4 |     |     | 3.8 | SKHL |      |
| 431 | 2010             | 8 17 19 34 29.9           | 0.7                 | 44.81          | 0.08                | 150.19         | 0.08                | 73           | 7     | 9.9   |           |                 |      |     |      |     |      |             |   | 4.6 |     |     | 4.4 | SKHL |      |
| 432 | 2010             | 8 17 19 39 46.3           | 0.1                 | 47.37          | 0.08                | 155.44         | 0.20                | 25           | 3     | 8.7   |           |                 |      |     |      |     |      |             |   | 4.6 |     |     | 3.8 | SKHL |      |
| 433 | 2010             | 8 19 9 27 44.6            | 0.3                 | 44.27          | 0.05                | 147.85         | 0.09                | 103          | 7     | 10.2  |           |                 |      |     |      |     |      |             |   | 4.9 |     | 5.9 | 4.5 | SKHL |      |
| 434 | 2010             | 8 21 7 35 50.4            | 0.5                 | 43.31          | 0.07                | 147.09         | 0.16                | 54           | 3     | 9.2   |           |                 |      |     |      |     |      |             |   | 4.7 |     |     | 4.0 | SKHL |      |
| 435 | 2010             | 8 21 12 52 12.0           | 0.3                 | 48.10          | 0.04                | 155.36         | 0.09                | 32           | 6     | 8.6   |           |                 |      |     |      |     |      |             |   | 4.4 |     |     | 3.7 | SKHL |      |
| 436 | 2010             | 8 22 2 28 38.2            | 0.9                 | 46.32          | 0.14                | 151.67         | 0.21                | 109          | 8     | 9.3   |           |                 |      |     |      |     |      |             |   | 5.0 |     | 5.4 | 4.1 | SKHL |      |
| 437 | 2010             | 8 22 17 32 13.0           | 0.6                 | 46.27          | 0.09                | 151.81         | 0.15                | 113          | 4     | 10.1  |           |                 |      |     |      |     |      |             |   | 5.0 | 5.1 | 5.1 | 5.6 | 4.9  | SKHL |
| 438 | 2010             | 8 23 5 58 40.1            | 0.4                 | 47.31          | 0.10                | 152.75         | 0.20                | 149          | 4     | 9.3   |           |                 |      |     |      |     |      |             |   | 4.9 |     | 5.3 | 4.1 | SKHL |      |
| 439 | 2010             | 8 23 11 10 3.8            | 0.1                 | 44.97          | 0.14                | 150.40         | 0.18                | 60           | 3     | 9.4   |           |                 |      |     |      |     |      |             |   | 4.7 |     |     | 4.1 | SKHL |      |
| 440 | 2010             | 8 25 8 7 1.7              | 1.0                 | 46.50          | 0.07                | 150.90         | 0.15                | 182          | 5     | 8.6   |           |                 |      |     |      |     |      |             |   | 4.7 |     | 5.0 | 3.7 | SKHL |      |
| 441 | 2010             | 8 25 22 25 29.8           | 1.1                 | 46.81          | 0.18                | 153.02         | 0.27                | 42           | 1     | 9.5   |           |                 |      |     |      |     |      |             |   | 4.5 |     |     | 4.2 | SKHL |      |
| 442 | 2010             | 8 26 3 30 58.5            | 0.8                 | 44.05          | 0.07                | 147.54         | 0.12                | 43           | 2     | 8.7   |           |                 |      |     |      |     |      |             |   | 4.0 |     |     | 3.8 | SKHL |      |
| 443 | 2010             | 8 28 10 12 29.0           | 0.7                 | 45.25          | 0.28                | 151.82         | 0.17                | 23           | 1     | 8.8   |           |                 |      |     |      |     |      |             |   | 4.5 |     |     | 3.8 | SKHL |      |
| 444 | 2010             | 8 28 22 25 10.4           | 0.8                 | 46.76          | 0.04                | 153.35         | 0.07                | 78           | 2     | 8.6   |           |                 |      |     |      |     |      |             |   | 4.4 |     |     | 3.7 | SKHL |      |
| 445 | 2010             | 8 29 2 7 56.6             | 0.5                 | 50.21          | 0.15                | 149.58         | 0.32                | 534          | 6     |       |           |                 | 4.0  |     |      |     |      |             |   | 4.7 | 4.3 | 4.7 | 3.7 | SKHL |      |
| 446 | 2010             | 8 29 6 4 26.4             | 0.8                 | 46.58          | 0.03                | 153.16         | 0.06                | 67           | 7     | 8.8   |           |                 |      |     |      |     |      |             |   | 4.9 |     | 5.2 | 3.8 | SKHL |      |
| 447 | 2010             | 8 29 18 49 57.8           | 1.4                 | 48.110         |                     | 156.511        |                     | 0.198        | 15    | 8     |           |                 | 10.0 |     |      |     |      |             |   |     |     |     | 3.6 | KRSC |      |
| 448 | 2010             | 8 29 20 47 3.7            | 0.2                 | 43.37          | 0.11                | 146.91         | 0.17                | 65           | 1     | 9.3   |           |                 |      |     |      |     |      |             |   | 4.3 |     |     | 4.1 | SKHL |      |
| 449 | 2010             | 9 1 20 8 8.7              | 0.2                 | 44.40          | 0.04                | 149.17         | 0.05                | 57           | 4     | 8.5   |           |                 |      |     |      |     |      |             |   | 4.3 |     |     | 3.7 | SKHL |      |
| 450 | 2010             | 9 2 9 32 44.8             | 0.7                 | 43.44          | 0.03                | 146.62         | 0.07                | 43           | 2     | 8.9   |           |                 |      |     |      |     |      |             |   | 4.2 |     |     | 3.9 | SKHL |      |

<sup>16</sup> Малокурильское (178 км) – 2 балла; Крабозаводское (184 км) – 2 балла.



| №   | Дата, год м д  |                     |                | Время, $t_0$ , ч мин с |              |          | $\delta t_0$ , с |        | Гипоцентр |         |       |      |     | $K_C$ | $K_S$ | Магнитуды |     |  |     |     |     |     | Код сети | I    |               |
|-----|----------------|---------------------|----------------|------------------------|--------------|----------|------------------|--------|-----------|---------|-------|------|-----|-------|-------|-----------|-----|--|-----|-----|-----|-----|----------|------|---------------|
|     | $\varphi$ , °N | $\delta\varphi$ , ° | $\lambda$ , °E | $\delta\lambda$ , °    | $\delta$ , ° | $h$ , км | $\delta h$ , км  | MLH    | MPV       | MPVA    | MSH   | MSHA | MPH |       |       | M         |     |  |     |     |     |     |          |      |               |
| 451 | 2010           | 9                   | 2              | 16                     | 32           | 0.1      | 0.4              | 44.36  | 0.04      | 148.18  | 0.08  | 62   | 3   | 9.9   |       |           |     |  | 4.6 |     |     |     | 4.4      | SKHL |               |
| 452 | 2010           | 9                   | 2              | 17                     | 18           | 25.8     | 0.7              | 44.31  | 0.05      | 148.15  | 0.10  | 40   | 4   | 8.2   |       |           |     |  | 4.0 |     |     |     | 3.5      | SKHL |               |
| 453 | 2010           | 9                   | 2              | 19                     | 52           | 29.6     | 0.1              | 43.06  | 0.03      | 146.58  | 0.16  | 39   | 3   | 8.2   |       |           |     |  | 4.2 |     |     |     | 3.5      | SKHL |               |
| 454 | 2010           | 9                   | 3              | 0                      | 38           | 0.2      | 1.0              | 46.76  | 0.17      | 153.38  | 0.19  | 63   | 5   | 9.0   |       |           |     |  | 4.7 |     |     |     | 3.9      | SKHL |               |
| 455 | 2010           | 9                   | 3              | 4                      | 31           | 59.2     | 0.8              | 42.66  | 0.01      | 145.79  | 0.05  | 42   | 1   | 8.3   |       |           |     |  | 4.2 |     |     |     | 3.6      | SKHL |               |
| 456 | 2010           | 9                   | 3              | 21                     | 15           | 29.9     | 1.2              | 42.76  | 0.06      | 145.60  | 0.20  | 73   | 5   | 12.0  |       | 4.5       |     |  | 5.6 |     |     | 5.5 | 5.4      | SKHL | <sup>17</sup> |
| 457 | 2010           | 9                   | 4              | 11                     | 1            | 36.7     | 0.2              | 47.93  | 0.08      | 156.58  | 0.26  | 31   | 5   | 9.8   |       | 3.7       |     |  | 4.9 |     |     |     | 3.7      | SKHL |               |
| 458 | 2010           | 9                   | 4              | 16                     | 35           | 32.5     | 0.3              | 44.63  | 0.05      | 149.24  | 0.07  | 50   | 5   | 8.9   |       |           |     |  | 4.2 |     |     |     | 3.9      | SKHL |               |
| 459 | 2010           | 9                   | 5              | 3                      | 7            | 37.8     | 0.2              | 43.00  | 0.06      | 146.47  | 0.45  | 40   | 3   | 8.3   |       |           |     |  | 4.2 |     |     |     | 3.6      | SKHL |               |
| 460 | 2010           | 9                   | 5              | 4                      | 3            | 16.7     | 0.8              | 44.47  | 0.04      | 152.37  | 0.03  | 42   | 3   | 8.5   |       |           |     |  | 4.3 |     |     |     | 3.7      | SKHL |               |
| 461 | 2010           | 9                   | 5              | 4                      | 9            | 19.4     | 1.0              | 44.32  | 0.06      | 152.18  | 0.04  | 28   | 4   | 8.5   |       |           |     |  | 4.0 |     |     |     | 3.7      | SKHL |               |
| 462 | 2010           | 9                   | 5              | 4                      | 21           | 50.9     | 1.1              | 45.75  | 0.29      | 151.92  | 0.23  | 12   | 3   | 8.0   |       |           |     |  | 3.8 |     |     |     | 3.4      | SKHL |               |
| 463 | 2010           | 9                   | 5              | 7                      | 23           | 57.7     | 0.7              | 43.35  | 0.06      | 147.00  | 0.19  | 57   | 4   | 9.4   |       |           |     |  | 4.6 |     |     |     | 4.1      | SKHL |               |
| 464 | 2010           | 9                   | 6              | 3                      | 15           | 40.4     | 1.2              | 43.52  | 0.07      | 151.07  | 0.06  | 30   | 5   | 8.7   |       |           |     |  | 4.2 |     |     |     | 3.8      | SKHL |               |
| 465 | 2010           | 9                   | 6              | 6                      | 31           | 11.6     | 0.4              | 43.72  | 0.01      | 147.41  | 0.02  | 58   | 2   | 9.3   |       |           |     |  | 4.7 |     |     |     | 4.1      | SKHL |               |
| 466 | 2010           | 9                   | 6              | 8                      | 9            | 15.1     | 0.3              | 43.34  | 0.01      | 146.82  | 0.06  | 31   | 3   | 8.2   |       |           |     |  | 4.5 |     |     |     | 3.5      | SKHL |               |
| 467 | 2010           | 9                   | 7              | 4                      | 46           | 35.6     | 0.4              | 44.41  | 0.05      | 149.05  | 0.09  | 30   | 5   | 8.4   |       |           |     |  | 4.3 |     |     |     | 3.6      | SKHL |               |
| 468 | 2010           | 9                   | 7              | 11                     | 30           | 52.2     | 0.8              | 45.63  | 0.06      | 151.71  | 0.10  | 59   | 5   | 11.0  |       | 4.7       | 5.2 |  | 5.2 |     |     |     | 4.7      | SKHL |               |
| 469 | 2010           | 9                   | 7              | 20                     | 52           | 21.3     | 1.9              | 48.869 |           | 156.668 | 0.209 | 15   | 15  | 9.9   |       |           |     |  |     |     |     |     | 3.5      | KRSC |               |
| 470 | 2010           | 9                   | 8              | 1                      | 6            | 16.4     | 0.4              | 42.53  | 0.03      | 145.24  | 0.10  | 56   | 3   | 9.4   |       |           |     |  | 4.6 |     |     |     | 4.1      | SKHL |               |
| 471 | 2010           | 9                   | 8              | 3                      | 7            | 8.9      | 0.7              | 47.13  | 0.11      | 151.59  | 0.21  | 149  | 2   | 9.3   |       |           |     |  | 5.3 |     | 5.5 |     | 4.1      | SKHL |               |
| 472 | 2010           | 9                   | 8              | 17                     | 39           | 40.8     | 1.1              | 44.36  | 0.07      | 150.16  | 0.15  | 37   | 5   | 11.2  |       | 5.4       | 6.2 |  | 5.6 | 5.7 |     | 5.9 | 5.4      | SKHL |               |
| 473 | 2010           | 9                   | 8              | 17                     | 42           | 36.9     | 0.6              | 44.21  | 0.04      | 150.20  | 0.04  | 52   | 5   | 9.1   |       |           |     |  | 4.5 |     |     |     | 4.0      | SKHL |               |
| 474 | 2010           | 9                   | 8              | 19                     | 24           | 37.6     | 0.6              | 44.76  | 0.08      | 148.80  | 0.12  | 47   | 6   | 9.2   |       |           |     |  | 4.5 |     |     |     | 4.0      | SKHL |               |
| 475 | 2010           | 9                   | 8              | 19                     | 25           | 58.6     | 0.4              | 44.36  | 0.05      | 150.07  | 0.09  | 54   | 4   | 10.4  |       | 5.2       | 5.7 |  | 5.0 | 5.4 |     | 5.4 | 5.2      | SKHL |               |
| 476 | 2010           | 9                   | 8              | 19                     | 49           | 22.8     | 0.3              | 44.26  | 0.03      | 150.07  | 0.03  | 44   | 5   | 9.1   |       |           |     |  | 4.4 |     |     |     | 4.0      | SKHL |               |
| 477 | 2010           | 9                   | 8              | 19                     | 52           | 6.8      | 0.5              | 44.30  | 0.11      | 150.11  | 0.10  | 44   | 5   | 8.7   |       |           |     |  | 4.5 |     | 5.5 |     | 3.8      | SKHL |               |
| 478 | 2010           | 9                   | 8              | 20                     | 31           | 41.7     | 0.3              | 44.25  | 0.10      | 150.07  | 0.11  | 53   | 4   | 8.7   |       |           |     |  | 4.3 |     |     |     | 3.8      | SKHL |               |
| 479 | 2010           | 9                   | 8              | 20                     | 33           | 6.4      | 1.0              | 44.48  | 0.09      | 150.00  | 0.09  | 67   | 2   | 8.8   |       |           |     |  | 4.6 |     |     |     | 3.8      | SKHL |               |
| 480 | 2010           | 9                   | 8              | 22                     | 58           | 53.5     | 0.8              | 44.19  | 0.08      | 150.28  | 0.09  | 43   | 4   | 10.1  |       | 4.0       |     |  | 4.5 | 4.4 |     |     | 4.0      | SKHL |               |
| 481 | 2010           | 9                   | 9              | 0                      | 41           | 7.6      | 0.6              | 44.52  | 0.03      | 149.50  | 0.03  | 35   | 5   | 8.4   |       |           |     |  | 4.2 |     |     |     | 3.6      | SKHL |               |
| 482 | 2010           | 9                   | 9              | 3                      | 8            | 27.7     | 0.9              | 44.32  | 0.07      | 149.99  | 0.06  | 51   | 4   | 8.8   |       | 3.8       |     |  | 4.3 |     |     |     | 3.8      | SKHL |               |
| 483 | 2010           | 9                   | 9              | 4                      | 8            | 33.2     | 1.0              | 44.24  | 0.10      | 150.26  | 0.09  | 53   | 4   | 9.4   |       | 3.7       |     |  | 4.9 |     |     |     | 3.7      | SKHL |               |
| 484 | 2010           | 9                   | 9              | 14                     | 0            | 50.9     | 0.7              | 44.24  | 0.04      | 150.22  | 0.07  | 52   | 4   | 9.5   |       | 3.9       | 5.7 |  | 4.9 |     |     |     | 3.9      | SKHL |               |
| 485 | 2010           | 9                   | 10             | 3                      | 6            | 35.5     | 0.9              | 44.16  | 0.02      | 148.56  | 0.04  | 50   | 3   | 8.3   |       |           |     |  | 4.7 |     |     |     | 3.6      | SKHL |               |
| 486 | 2010           | 9                   | 10             | 16                     | 14           | 6.3      | 0.7              | 43.22  | 0.06      | 147.46  | 0.17  | 49   | 4   | 9.3   |       |           |     |  | 4.8 |     |     |     | 4.1      | SKHL |               |
| 487 | 2010           | 9                   | 10             | 16                     | 27           | 5.5      | 0.6              | 44.44  | 0.06      | 149.30  | 0.08  | 48   | 5   | 8.3   |       |           |     |  | 4.1 |     |     |     | 3.6      | SKHL |               |
| 488 | 2010           | 9                   | 10             | 16                     | 57           | 49.7     | 1.0              | 46.27  | 0.08      | 153.10  | 0.15  | 57   | 4   | 8.8   |       |           |     |  | 4.6 |     |     |     | 3.8      | SKHL |               |
| 489 | 2010           | 9                   | 10             | 22                     | 20           | 39.1     | 0.9              | 43.91  | 0.02      | 148.24  | 0.05  | 48   | 3   | 8.4   |       |           |     |  | 4.3 |     |     |     | 3.6      | SKHL |               |
| 490 | 2010           | 9                   | 11             | 0                      | 23           | 55.7     | 0.3              | 47.23  | 0.07      | 152.72  | 0.14  | 84   | 3   | 9.6   |       |           | 5.1 |  | 4.9 |     | 5.6 |     | 4.2      | SKHL |               |
| 491 | 2010           | 9                   | 12             | 11                     | 32           | 58.2     | 0.6              | 42.82  | 0.08      | 148.95  | 0.19  | 58   | 3   | 9.8   |       |           |     |  | 5.0 |     |     |     | 4.3      | SKHL |               |
| 492 | 2010           | 9                   | 12             | 12                     | 21           | 27.0     | 1.0              | 44.83  | 0.09      | 150.26  | 0.08  | 33   | 5   | 8.4   |       |           |     |  | 4.5 |     |     |     | 3.6      | SKHL |               |
| 493 | 2010           | 9                   | 12             | 14                     | 41           | 15.5     | 0.9              | 47.28  | 0.05      | 153.94  | 0.10  | 67   | 4   | 10.1  |       | 3.9       |     |  | 5.1 |     |     |     | 3.9      | SKHL |               |
| 494 | 2010           | 9                   | 12             | 19                     | 30           | 11.8     | 0.1              | 44.36  | 0.07      | 149.96  | 0.08  | 56   | 5   | 8.3   |       |           |     |  | 4.3 |     |     |     | 3.6      | SKHL |               |
| 495 | 2010           | 9                   | 13             | 13                     | 1            | 14.1     | 0.3              | 45.01  | 0.14      | 153.77  | 0.08  | 29   | 6   | 8.5   |       |           |     |  | 4.5 |     |     |     | 3.7      | SKHL |               |
| 496 | 2010           | 9                   | 13             | 14                     | 44           | 28.2     | 0.8              | 44.29  | 0.09      | 149.81  | 0.10  | 17   | 2   | 8.0   |       |           |     |  | 3.8 |     |     |     | 3.4      | SKHL |               |
| 497 | 2010           | 9                   | 13             | 16                     | 1            | 54.2     | 0.5              | 43.41  | 0.02      | 146.81  | 0.08  | 32   | 3   | 8.1   |       |           |     |  | 4.1 |     |     |     | 3.5      | SKHL |               |
| 498 | 2010           | 9                   | 14             | 12                     | 37           | 6.5      | 0.2              | 44.20  | 0.07      | 149.86  | 0.09  | 70   | 4   | 8.8   |       | 3.8       |     |  | 4.3 |     |     |     | 3.8      | SKHL |               |
| 499 | 2010           | 9                   | 15             | 13                     | 27           | 11.5     | 0.8              | 44.22  | 0.02      | 148.95  | 0.02  | 42   | 2   | 8.4   |       |           |     |  | 4.2 |     |     |     | 3.6      | SKHL |               |
| 500 | 2010           | 9                   | 16             | 16                     | 9            | 42.5     | 1.1              | 47.19  | 0.04      | 155.04  | 0.12  | 60   | 3   | 9.4   |       |           |     |  | 4.6 |     |     |     | 4.1      | SKHL |               |
| 501 | 2010           | 9                   | 17             | 23                     | 12           | 23.3     | 0.3              | 45.26  | 0.06      | 150.73  | 0.12  | 52   | 5   | 11.2  |       | 4.5       | 5.5 |  | 5.3 |     |     |     | 4.5      | SKHL |               |
| 502 | 2010           | 9                   | 18             | 4                      | 54           | 19.8     | 0.6              | 44.47  | 0.08      | 148.30  | 0.17  | 73   | 3   | 9.1   |       |           |     |  | 4.6 |     |     |     | 4.0      | SKHL |               |
| 503 | 2010           | 9                   | 18             | 6                      | 29           | 55.7     | 1.0              | 48.26  | 0.03      | 157.16  | 0.22  | 56   | 3   | 8.9   |       |           |     |  | 4.4 |     |     |     | 3.9      | SKHL |               |
| 504 | 2010           | 9                   | 18             | 11                     | 0            | 34.7     | 1.0              | 43.98  | 0.17      | 149.69  | 0.17  | 68   | 2   | 8.6   |       |           |     |  | 4.3 |     |     |     | 3.7      | SKHL |               |
| 505 | 2010           | 9                   | 18             | 12                     | 33           | 32.5     | 0.5              | 44.30  | 0.12      | 150.05  | 0.10  | 51   | 5   | 8.8   |       |           |     |  | 4.3 |     |     |     | 3.8      | SKHL |               |
| 506 | 2010           | 9                   | 18             | 21                     | 52           | 45.6     | 0.4              | 46.91  | 0.08      | 153.03  | 0.18  | 87   | 5   | 11.1  |       | 4.1       | 5.7 |  | 5.8 |     | 6.2 | 5.6 | 5.0      | SKHL |               |
| 507 | 2010           | 9                   | 19             | 0                      | 18           | 2.3      | 0.6              | 44.38  | 0.08      | 150.28  | 0.07  | 40   | 5   | 8.3   |       |           |     |  | 4.2 |     |     |     | 3.6      | SKHL |               |
| 508 | 2010           | 9                   | 19             | 6                      | 52           | 35.4     | 0.5              | 42.83  | 0.01      | 147.11  | 0.07  | 33   | 4   | 8.4   |       |           |     |  | 4.5 |     |     |     | 3.6      | SKHL |               |
| 509 | 2010           | 9                   | 19             | 21                     | 9            | 44.4     | 1.0              | 47.96  | 0.18      | 155.91  | 0.83  | 36   | 1   | 8.7   |       |           |     |  | 4.5 |     |     |     | 3.8      | SKHL |               |

<sup>17</sup> Южно-Курильск (138 км) – 2 балла.

| №   | Дата, |    |    | Время, $t_0$ , |     |      | $\delta t_0$ ,<br>с | Гипоцентр      |                     |                |                     |              | $K_C$ | $K_S$ | Магнитуды |                 |     |     |      |     |      | Код<br>сети | I    |      |    |
|-----|-------|----|----|----------------|-----|------|---------------------|----------------|---------------------|----------------|---------------------|--------------|-------|-------|-----------|-----------------|-----|-----|------|-----|------|-------------|------|------|----|
|     | год   | м  | д  | ч              | мин | с    |                     | $\varphi$ , °N | $\delta\varphi$ , ° | $\lambda$ , °E | $\delta\lambda$ , ° | $\delta$ , ° |       |       | $h$ , км  | $\delta h$ , км | MLH | MPV | MPVA | MSH | MSHA |             |      | MPH  | M  |
| 510 | 2010  | 9  | 20 | 6              | 45  | 13.5 | 0.8                 | 45.33          | 0.02                | 152.64         | 0.01                | 42           | 4     | 8.8   |           |                 |     | 4.7 |      |     |      |             | 3.8  | SKHL |    |
| 511 | 2010  | 9  | 20 | 7              | 18  | 19.1 | 0.7                 | 44.25          | 0.16                | 149.95         | 0.24                | 45           | 4     | 9.4   |           |                 |     | 4.4 |      |     |      |             | 4.1  | SKHL |    |
| 512 | 2010  | 9  | 20 | 9              | 44  | 3.5  | 0.2                 | 43.14          | 0.02                | 146.58         | 0.13                | 43           | 2     | 8.5   |           |                 |     | 4.1 |      |     |      |             | 3.7  | SKHL |    |
| 513 | 2010  | 9  | 20 | 11             | 30  | 6.1  | 1.0                 | 43.61          | 0.12                | 146.65         | 0.17                | 35           | 3     | 8.9   |           |                 |     | 4.2 |      |     |      |             | 3.9  | SKHL |    |
| 514 | 2010  | 9  | 20 | 12             | 58  | 5.6  | 0.2                 | 43.33          | 0.09                | 147.31         | 0.17                | 61           | 3     | 9.3   |           |                 |     | 4.9 |      |     |      |             | 4.1  | SKHL |    |
| 515 | 2010  | 9  | 21 | 0              | 30  | 54.3 | 0.6                 | 44.13          | 0.06                | 149.74         | 0.06                | 45           | 3     | 8.8   |           |                 |     | 4.2 |      |     |      |             | 3.8  | SKHL |    |
| 516 | 2010  | 9  | 21 | 7              | 18  | 46.8 | 0.3                 | 44.29          | 0.03                | 149.45         | 0.03                | 43           | 5     | 8.5   |           |                 |     | 4.3 |      |     |      |             | 3.7  | SKHL |    |
| 517 | 2010  | 9  | 21 | 12             | 5   | 32.8 | 1.0                 | 44.36          | 0.07                | 148.49         | 0.12                | 55           | 4     | 10.1  | 4.3       |                 |     | 4.9 |      |     |      |             | 4.3  | SKHL |    |
| 518 | 2010  | 9  | 22 | 19             | 38  | 26.9 | 0.5                 | 46.53          | 0.04                | 152.88         | 0.08                | 63           | 4     | 10.2  |           |                 |     | 4.9 |      |     |      |             | 4.5  | SKHL |    |
| 519 | 2010  | 9  | 23 | 10             | 17  | 22.6 | 1.0                 | 46.16          | 0.08                | 149.00         | 0.17                | 149          | 5     | 9.7   |           |                 |     | 5.1 | 5.6  |     |      |             | 4.3  | SKHL |    |
| 520 | 2010  | 9  | 24 | 3              | 19  | 14.9 | 0.1                 | 42.58          | 0.07                | 145.16         | 0.25                | 55           | 3     | 10.1  |           |                 |     | 5.1 |      |     |      |             | 4.5  | SKHL | 18 |
| 521 | 2010  | 9  | 24 | 10             | 37  | 5.9  | 1.3                 | 46.32          | 0.12                | 153.16         | 0.15                | 80           | 3     | 9.0   |           |                 |     | 4.5 |      |     |      |             | 3.9  | SKHL |    |
| 522 | 2010  | 9  | 25 | 22             | 4   | 17.3 | 0.3                 | 43.78          | 0.07                | 147.29         | 0.16                | 57           | 6     | 9.9   |           |                 |     | 4.8 |      |     |      |             | 4.4  | SKHL |    |
| 523 | 2010  | 9  | 26 | 22             | 32  | 51.1 | 0.9                 | 48.75          | 0.06                | 155.53         | 0.21                | 82           | 5     | 9.1   |           |                 |     | 4.7 | 5.6  |     |      |             | 4.0  | SKHL |    |
| 524 | 2010  | 9  | 27 | 6              | 2   | 33.3 | 1.3                 | 44.85          | 0.14                | 151.17         | 0.10                | 34           | 5     | 9.2   |           |                 |     | 4.7 |      |     |      |             | 4.0  | SKHL |    |
| 525 | 2010  | 9  | 27 | 12             | 39  | 55.1 | 0.3                 | 49.00          | 0.04                | 155.06         | 0.11                | 76           | 4     | 8.6   |           |                 |     | 4.2 |      |     |      |             | 3.7  | SKHL |    |
| 526 | 2010  | 9  | 27 | 16             | 13  | 38.3 | 0.4                 | 43.58          | 0.04                | 145.71         | 0.15                | 110          | 5     | 11.3  | 4.2       | 5.5             | 5.5 | 5.3 | 6.1  | 5.5 | 5.1  | 5.1         | 5.1  | SKHL | 19 |
| 527 | 2010  | 9  | 29 | 0              | 49  | 33.1 | 3.0                 | 48.572         |                     | 152.596        |                     | 1.453        | 362   | 50    | 10.9      |                 |     |     |      |     |      |             | 4.2  | KRSC |    |
| 528 | 2010  | 9  | 29 | 10             | 18  | 32.1 | 1.3                 | 46.64          | 0.04                | 153.52         | 0.09                | 63           | 5     | 9.3   |           |                 |     | 4.7 |      |     |      |             | 4.1  | SKHL |    |
| 529 | 2010  | 9  | 29 | 18             | 34  | 57.3 | 0.5                 | 47.73          | 0.12                | 153.97         | 0.20                | 78           | 7     | 10.3  |           |                 |     | 5.1 |      |     |      |             | 4.6  | SKHL |    |
| 530 | 2010  | 9  | 30 | 10             | 3   | 50.7 | 0.7                 | 44.33          | 0.06                | 149.45         | 0.07                | 48           | 5     | 8.2   |           |                 |     | 4.2 |      |     |      |             | 3.5  | SKHL |    |
| 531 | 2010  | 9  | 30 | 19             | 14  | 17.2 | 0.8                 | 44.88          | 0.06                | 147.88         | 0.28                | 125          | 5     | 9.9   |           |                 |     | 5.0 | 5.7  |     |      |             | 4.4  | SKHL |    |
| 532 | 2010  | 10 | 1  | 2              | 14  | 35.5 | 0.8                 | 46.73          | 0.18                | 152.92         | 0.19                | 67           | 4     | 9.8   |           |                 |     | 4.8 |      |     |      |             | 4.3  | SKHL |    |
| 533 | 2010  | 10 | 2  | 7              | 17  | 30.7 | 0.2                 | 43.56          | 0.08                | 146.66         | 0.18                | 60           | 3     | 11.0  |           |                 |     | 4.8 |      |     |      |             | 4.9  | SKHL | 20 |
| 534 | 2010  | 10 | 2  | 8              | 59  | 22.5 | 0.6                 | 43.33          | 0.07                | 147.08         | 0.13                | 58           | 6     | 9.2   |           |                 |     | 4.3 |      |     |      |             | 4.0  | SKHL |    |
| 535 | 2010  | 10 | 2  | 14             | 22  | 33.8 | 0.6                 | 46.98          | 0.05                | 153.63         | 0.11                | 55           | 3     | 8.9   |           |                 |     | 4.3 |      |     |      |             | 3.9  | SKHL |    |
| 536 | 2010  | 10 | 4  | 2              | 47  | 36.9 | 0.2                 | 42.91          | 0.09                | 145.55         | 0.29                | 55           | 4     | 10.0  |           |                 |     | 4.6 |      |     |      |             | 4.4  | SKHL |    |
| 537 | 2010  | 10 | 4  | 14             | 35  | 22.6 | 0.4                 | 47.75          | 0.06                | 154.41         | 0.14                | 62           | 5     | 11.1  | 4.6       | 6.2             | 5.3 | 5.7 |      |     | 6.0  | 4.6         | SKHL |      |    |
| 538 | 2010  | 10 | 5  | 3              | 5   | 42.0 |                     | 46.77          | 0.11                | 148.60         | 0.28                | 292          | 3     |       |           |                 | 4.9 | 4.5 | 5.1  | 5.0 |      | 4.7         | SKHL |      |    |
| 539 | 2010  | 10 | 5  | 15             | 10  | 9.3  | 1.0                 | 43.64          | 0.05                | 147.74         | 0.08                | 45           | 5     | 9.0   |           |                 |     | 4.7 |      |     |      |             | 3.9  | SKHL |    |
| 540 | 2010  | 10 | 7  | 18             | 50  | 24.8 | 0.3                 | 48.02          | 0.07                | 153.03         | 0.18                | 136          | 1     | 9.0   |           |                 | 5.1 | 4.8 | 4.7  | 5.3 | 4.1  | 4.4         | SKHL |      |    |
| 541 | 2010  | 10 | 9  | 4              | 24  | 0.0  | 0.1                 | 42.35          | 0.01                | 144.50         | 0.03                | 51           | 6     | 8.8   |           |                 |     | 4.5 |      |     |      |             | 3.8  | SKHL |    |
| 542 | 2010  | 10 | 9  | 18             | 36  | 51.9 | 0.7                 | 48.20          | 0.07                | 154.38         | 0.17                | 85           | 2     | 9.2   |           |                 | 5.3 | 4.8 |      | 5.4 |      | 4.0         | SKHL |      |    |
| 543 | 2010  | 10 | 10 | 3              | 47  | 26.9 | 0.2                 | 47.85          | 0.02                | 156.69         | 0.12                | 40           | 1     | 8.9   |           |                 |     | 4.3 |      |     |      |             | 3.9  | SKHL |    |
| 544 | 2010  | 10 | 10 | 5              | 33  | 15.6 | 0.7                 | 43.15          | 0.02                | 145.66         | 0.06                | 38           | 7     | 9.1   |           |                 |     | 4.8 |      |     |      |             | 4.0  | SKHL |    |
| 545 | 2010  | 10 | 11 | 20             | 18  | 52.7 | 0.6                 | 44.72          | 0.12                | 150.43         | 0.09                | 41           | 6     | 8.8   |           |                 |     | 4.2 |      |     |      |             | 3.8  | SKHL |    |
| 546 | 2010  | 10 | 13 | 14             | 4   | 24.4 | 0.6                 | 47.05          | 0.09                | 151.69         | 0.17                | 144          | 1     | 8.3   |           |                 |     | 4.7 | 5.0  |     |      |             | 3.6  | SKHL |    |
| 547 | 2010  | 10 | 14 | 9              | 41  | 35.4 | 0.4                 | 44.33          | 0.09                | 148.12         | 0.16                | 71           | 2     | 10.2  |           |                 |     | 4.6 |      |     |      |             | 4.5  | SKHL | 21 |
| 548 | 2010  | 10 | 14 | 9              | 49  | 12.2 | 0.3                 | 44.37          | 0.04                | 148.08         | 0.07                | 36           | 2     | 8.5   |           |                 |     | 4.6 |      |     |      |             | 3.7  | SKHL |    |
| 549 | 2010  | 10 | 14 | 11             | 52  | 12.9 | 0.4                 | 44.35          | 0.06                | 148.05         | 0.12                | 35           | 1     | 8.2   |           |                 |     | 4.5 |      |     |      |             | 3.5  | SKHL |    |
| 550 | 2010  | 10 | 14 | 15             | 30  | 2.8  | 0.2                 | 43.88          | 0.04                | 147.90         | 0.07                | 42           | 6     | 8.2   |           |                 |     | 4.3 |      |     |      |             | 3.5  | SKHL |    |
| 551 | 2010  | 10 | 15 | 13             | 37  | 30.1 | 0.2                 | 42.86          | 0.01                | 146.75         | 0.05                | 44           | 4     | 7.7   |           |                 |     | 4.1 |      |     |      |             | 3.3  | SKHL |    |
| 552 | 2010  | 10 | 16 | 3              | 15  | 49.6 | 0.1                 | 43.63          | 0.01                | 147.75         | 0.03                | 38           | 6     | 8.2   |           |                 |     | 4.3 |      |     |      |             | 3.5  | SKHL |    |
| 553 | 2010  | 10 | 16 | 9              | 56  | 51.9 | 0.2                 | 44.81          | 0.03                | 149.18         | 0.03                | 42           | 7     | 8.7   |           |                 |     | 4.7 |      |     |      |             | 3.8  | SKHL |    |
| 554 | 2010  | 10 | 16 | 15             | 22  | 41.8 | 0.1                 | 45.98          | 0.05                | 153.27         | 0.10                | 59           | 3     | 9.6   |           |                 |     | 4.7 |      |     |      |             | 4.2  | SKHL |    |
| 555 | 2010  | 10 | 17 | 16             | 13  | 41.9 | 0.6                 | 45.41          | 0.07                | 151.60         | 0.08                | 78           | 2     | 9.1   |           |                 |     | 4.7 |      |     |      |             | 4.0  | SKHL |    |
| 556 | 2010  | 10 | 18 | 8              | 10  | 20.3 | 0.4                 | 46.57          | 0.03                | 152.70         | 0.07                | 61           | 4     | 8.8   |           |                 |     | 4.6 |      |     |      |             | 3.8  | SKHL |    |
| 557 | 2010  | 10 | 18 | 15             | 37  | 52.0 | 0.3                 | 44.27          | 0.05                | 148.93         | 0.08                | 52           | 1     | 8.5   |           |                 |     | 4.4 |      |     |      |             | 3.7  | SKHL |    |
| 558 | 2010  | 10 | 18 | 19             | 50  | 39.1 | 0.1                 | 45.23          | 0.15                | 151.34         | 0.16                | 39           | 7     | 8.4   |           |                 |     | 4.3 |      |     |      |             | 3.6  | SKHL |    |
| 559 | 2010  | 10 | 18 | 21             | 33  | 58.7 | 0.1                 | 43.91          | 0.05                | 147.52         | 0.08                | 45           | 9     | 8.5   |           |                 |     | 4.1 |      |     |      |             | 3.7  | SKHL |    |
| 560 | 2010  | 10 | 19 | 12             | 33  | 15.7 | 0.4                 | 45.05          | 0.14                | 150.85         | 0.22                | 145          | 5     | 9.3   |           |                 |     | 4.8 | 5.4  |     |      |             | 4.1  | SKHL |    |
| 561 | 2010  | 10 | 20 | 2              | 32  | 22.2 | 0.6                 | 44.04          | 0.05                | 148.15         | 0.09                | 88           | 2     | 8.7   |           |                 |     | 4.9 | 5.2  |     |      |             | 3.8  | SKHL |    |
| 562 | 2010  | 10 | 21 | 23             | 45  | 24.0 | 0.9                 | 44.42          | 0.04                | 148.23         | 0.08                | 41           | 7     | 8.3   |           |                 |     | 4.4 |      |     |      |             | 3.6  | SKHL |    |
| 563 | 2010  | 10 | 22 | 1              | 44  | 37.2 | 2.4                 | 48.163         |                     | 156.017        |                     | 0.326        | 39    | 41    | 10.4      |                 |     |     |      |     |      |             | 3.9  | KRSC |    |
| 564 | 2010  | 10 | 23 | 2              | 28  | 38.2 | 0.7                 | 42.36          | 0.03                | 145.21         | 0.12                | 53           | 3     | 9.8   | 4.0       |                 |     | 4.6 |      |     |      |             | 4.0  | SKHL |    |
| 565 | 2010  | 10 | 23 | 3              | 47  | 59.3 | 0.3                 | 42.37          | 0.04                | 145.23         | 0.14                | 59           | 3     | 9.1   |           |                 |     | 4.5 |      |     |      |             | 4.0  | SKHL |    |

<sup>18</sup> Южно-Курильск (163 км) – 2 балла.

<sup>19</sup> Южно-Курильск (50 км), Малокурильское (95 км), Курильск (250 км) – 2–3 балла.

<sup>20</sup> Южно-Курильск (50 км), Малокурильское (95 км) – 3 балла.

<sup>21</sup> Горный (81 км), Горячие Ключи (86 км) – 2–3 балла.



| №   | Дата, год м д  |                     |                | Время, $t_0$ , ч мин с |              |          | $\delta t_0$ , с |        | Гипоцентр |         |        |       |     | $K_C$ | $K_S$ | Магнитуды |     |     |     |     |     | Код сети | I    |    |
|-----|----------------|---------------------|----------------|------------------------|--------------|----------|------------------|--------|-----------|---------|--------|-------|-----|-------|-------|-----------|-----|-----|-----|-----|-----|----------|------|----|
|     | $\varphi$ , °N | $\delta\varphi$ , ° | $\lambda$ , °E | $\delta\lambda$ , °    | $\delta$ , ° | $h$ , км | $\delta h$ , км  | MLH    | MPV       | MPVA    | MSH    | MSHA  | MPH |       |       | M         |     |     |     |     |     |          |      |    |
| 625 | 2010           | 11                  | 26             | 7                      | 58           | 10.0     | 0.4              | 44.12  | 0.02      | 148.83  | 0.02   | 45    | 2   | 8.6   |       |           | 4.6 |     |     |     | 3.7 | SKHL     |      |    |
| 626 | 2010           | 11                  | 26             | 19                     | 9            | 57.4     | 0.1              | 44.84  | 0.02      | 146.05  | 0.05   | 67    | 1   | 8.1   |       |           | 4.2 |     |     |     | 3.5 | SKHL     |      |    |
| 627 | 2010           | 11                  | 26             | 20                     | 19           | 20.6     | 0.9              | 44.37  | 0.01      | 147.97  | 0.01   | 100   | 4   | 8.9   |       |           | 4.4 |     | 5.2 |     | 3.9 | SKHL     |      |    |
| 628 | 2010           | 11                  | 27             | 2                      | 40           | 0.8      | 0.1              | 43.64  | 0.03      | 147.36  | 0.04   | 33    | 3   | 8.9   |       |           | 4.8 |     |     |     | 3.9 | SKHL     |      |    |
| 629 | 2010           | 11                  | 27             | 8                      | 29           | 51.8     | 0.8              | 44.52  | 0.10      | 149.48  | 0.15   | 54    | 5   | 10.2  |       |           | 4.9 |     |     |     | 4.5 | SKHL     |      |    |
| 630 | 2010           | 11                  | 28             | 11                     | 21           | 28.7     | 0.8              | 43.33  | 0.03      | 147.91  | 0.07   | 33    | 3   | 8.0   |       |           | 4.1 |     |     |     | 3.4 | SKHL     |      |    |
| 631 | 2010           | 11                  | 28             | 12                     | 29           | 23.9     | 0.5              | 43.09  | 0.01      | 149.80  | 0.02   | 20    | 2   | 8.3   |       |           | 4.4 |     |     |     | 3.6 | SKHL     |      |    |
| 632 | 2010           | 11                  | 28             | 13                     | 9            | 42.2     | 0.3              | 43.33  | 0.01      | 146.68  | 0.03   | 29    | 1   | 7.7   |       |           | 4.1 |     |     |     | 3.3 | SKHL     |      |    |
| 633 | 2010           | 11                  | 29             | 2                      | 24           | 37.0     | 0.4              | 44.47  | 0.06      | 146.07  | 0.28   | 149   | 2   | 8.2   |       |           | 4.6 |     | 4.8 |     | 3.5 | SKHL     |      |    |
| 634 | 2010           | 11                  | 30             | 0                      | 30           | 35.3     | 0.9              | 46.22  | 0.04      | 152.01  | 0.10   | 95    | 5   | 10.6  |       |           | 5.3 |     | 5.9 |     | 4.7 | SKHL     |      |    |
| 635 | 2010           | 11                  | 30             | 17                     | 54           | 47.6     | 0.3              | 48.73  | 0.06      | 155.49  | 0.18   | 62    | 3   | 12.8  |       | 5.3       | 6.2 | 5.9 | 6.2 |     | 5.9 | 5.3      | SKHL | 23 |
| 636 | 2010           | 11                  | 30             | 18                     | 8            | 7.0      | 0.2              | 48.69  | 0.04      | 155.48  | 0.13   | 69    | 4   | 10.5  |       |           | 4.9 |     |     |     | 4.7 | SKHL     |      |    |
| 637 | 2010           | 11                  | 30             | 18                     | 25           | 48.3     | 0.2              | 48.67  | 0.04      | 155.49  | 0.20   | 27    | 5   | 8.9   |       |           | 4.4 |     |     |     | 3.9 | SKHL     |      |    |
| 638 | 2010           | 11                  | 30             | 18                     | 40           | 39.5     | 0.7              | 48.81  | 0.03      | 155.58  | 0.15   | 15    | 5   | 9.1   |       |           | 4.1 |     |     |     | 4.0 | SKHL     |      |    |
| 639 | 2010           | 11                  | 30             | 18                     | 46           | 6.4      | 0.6              | 48.95  | 0.08      | 154.78  | 0.22   | 66    | 5   | 9.6   |       |           | 4.4 |     |     |     | 4.2 | SKHL     |      |    |
| 640 | 2010           | 11                  | 30             | 19                     | 16           | 0.6      | 1.8              | 48.747 |           | 156.782 |        | 0.251 | 6   | 23    |       | 9.7       |     |     |     |     | 3.4 | KRSC     |      |    |
| 641 | 2010           | 11                  | 30             | 20                     | 30           | 40.0     | 0.6              | 48.52  | 0.08      | 155.79  | 0.21   | 66    | 5   | 9.8   |       |           | 4.9 |     |     |     | 4.3 | SKHL     |      |    |
| 642 | 2010           | 11                  | 30             | 22                     | 0            | 50.6     | 2.2              | 48.743 |           | 156.677 |        | 0.278 | 7   | 34    |       | 9.6       |     |     |     |     | 3.3 | KRSC     |      |    |
| 643 | 2010           | 11                  | 30             | 22                     | 2            | 55.0     | 0.5              | 48.62  | 0.05      | 155.54  | 0.20   | 65    | 5   | 11.9  |       | 4.5       | 5.9 | 5.5 | 5.9 |     | 4.5 | SKHL     | 24   |    |
| 644 | 2010           | 12                  | 1              | 10                     | 23           | 29.0     | 1.0              | 48.54  | 0.03      | 155.55  | 0.31   | 23    | 4   | 8.7   |       |           | 4.3 |     |     |     | 3.8 | SKHL     |      |    |
| 645 | 2010           | 12                  | 1              | 15                     | 9            | 21.9     | 0.1              | 47.20  | 0.09      | 153.34  | 0.18   | 64    | 6   | 9.6   |       | 4.4       | 5.6 | 4.8 | 4.9 |     | 4.4 | SKHL     |      |    |
| 646 | 2010           | 12                  | 1              | 18                     | 6            | 18.5     | 1.0              | 48.84  | 0.18      | 156.03  | 0.88   | 27    | 5   | 8.8   |       |           | 4.0 |     |     |     | 3.8 | SKHL     |      |    |
| 647 | 2010           | 12                  | 1              | 18                     | 37           | 30.2     | 0.2              | 48.79  | 0.06      | 155.29  | 0.17   | 78    | 5   | 9.6   |       |           | 4.9 |     |     |     | 4.2 | SKHL     |      |    |
| 648 | 2010           | 12                  | 1              | 19                     | 26           | 45.3     | 1.1              | 48.73  | 0.02      | 155.95  | 0.11   | 41    | 5   | 9.1   |       |           | 4.1 |     |     |     | 4.0 | SKHL     |      |    |
| 649 | 2010           | 12                  | 2              | 4                      | 13           | 59.1     | 1.2              | 49.00  | 0.20      | 154.32  | 0.48   | 138   | 5   | 9.6   |       |           | 4.7 |     | 5.5 |     | 4.2 | SKHL     |      |    |
| 650 | 2010           | 12                  | 2              | 12                     | 37           | 19.5     | 0.4              | 44.61  | 0.09      | 148.01  | 0.22   | 114   | 5   | 10.3  |       |           | 5.3 |     | 5.7 |     | 4.6 | SKHL     |      |    |
| 651 | 2010           | 12                  | 2              | 16                     | 35           | 29.7     | 0.2              | 44.08  | 0.02      | 147.03  | 0.05   | 84    | 2   | 8.3   |       |           | 4.5 |     | 5.1 |     | 3.6 | SKHL     |      |    |
| 652 | 2010           | 12                  | 2              | 21                     | 46           | 19.6     | 0.3              | 43.77  | 0.02      | 147.60  | 0.03   | 25    | 3   | 8.2   |       |           | 4.6 |     |     |     | 3.5 | SKHL     |      |    |
| 653 | 2010           | 12                  | 3              | 7                      | 13           | 7.1      | 1.1              | 44.48  | 0.06      | 149.26  | 0.10   | 59    | 6   | 10.1  |       |           | 5.0 |     |     |     | 4.5 | SKHL     |      |    |
| 654 | 2010           | 12                  | 3              | 15                     | 39           | 43.5     | 3.0              | 48.236 |           | 156.923 |        | 0.341 | 30  | 15    |       | 9.7       |     |     |     |     | 3.4 | KRSC     |      |    |
| 655 | 2010           | 12                  | 3              | 18                     | 38           | 42.8     | 1.1              | 44.59  | 0.03      | 148.65  | 0.05   | 48    | 1   | 9.4   |       |           | 4.5 |     |     |     | 4.1 | SKHL     |      |    |
| 656 | 2010           | 12                  | 3              | 19                     | 39           | 34.0     | 1.0              | 48.86  | 0.04      | 154.55  | 0.15   | 145   | 9   | 10.4  |       |           | 5.5 | 5.6 | 5.1 | 5.9 | 5.5 | 4.8      | SKHL |    |
| 657 | 2010           | 12                  | 4              | 6                      | 20           | 42.7     | 0.8              | 42.66  | 0.01      | 145.40  | 0.06   | 42    | 2   | 9.0   |       |           | 4.6 |     |     |     | 3.9 | SKHL     |      |    |
| 658 | 2010           | 12                  | 4              | 8                      | 20           | 31.6     | 0.3              | 44.09  | 0.11      | 148.14  | 0.28   | 66    | 4   | 10.1  |       |           | 5.0 |     |     |     | 4.5 | SKHL     |      |    |
| 659 | 2010           | 12                  | 4              | 11                     | 9            | 8.2      | 1.1              | 44.82  | 0.01      | 146.36  | 0.05   | 32    | 2   | 8.4   |       |           | 4.4 |     |     |     | 3.6 | SKHL     |      |    |
| 660 | 2010           | 12                  | 4              | 13                     | 13           | 57.1     | 0.8              | 45.10  | 0.11      | 148.30  | 0.19   | 104   | 6   | 9.7   |       |           | 5.3 |     | 5.7 |     | 4.3 | SKHL     |      |    |
| 661 | 2010           | 12                  | 5              | 8                      | 50           | 28.8     | 0.5              | 48.60  | 0.07      | 155.56  | 0.13   | 68    | 6   | 12.4  |       | 5.0       | 5.9 | 5.8 | 6.3 |     | 5.6 | 5.0      | SKHL | 25 |
| 662 | 2010           | 12                  | 5              | 8                      | 56           | 6.3      | 1.8              | 48.873 |           | 155.527 |        | 0.258 | 62  | 24    |       | 9.7       |     |     |     |     | 3.4 | KRSC     |      |    |
| 663 | 2010           | 12                  | 5              | 15                     | 51           | 6.3      | 0.2              | 43.40  | 0.08      | 146.30  | 0.25   | 63    | 4   | 10.9  |       |           | 5.0 |     |     |     | 4.9 | SKHL     | 26   |    |
| 664 | 2010           | 12                  | 5              | 18                     | 20           | 55.7     | 0.7              | 44.07  | 0.03      | 148.03  | 0.06   | 66    | 3   | 8.7   |       |           | 4.3 |     |     |     | 3.8 | SKHL     |      |    |
| 665 | 2010           | 12                  | 6              | 0                      | 42           | 31.5     | 0.4              | 47.96  | 0.10      | 148.35  | 0.23   | 365   | 5   |       |       |           | 5.4 | 5.0 |     | 5.7 | 4.1 | SKHL     |      |    |
| 666 | 2010           | 12                  | 7              | 2                      | 27           | 14.1     | 0.3              | 44.40  | 0.02      | 148.11  | 0.05   | 66    | 3   | 10.1  |       |           | 5.1 |     |     |     | 4.5 | SKHL     |      |    |
| 667 | 2010           | 12                  | 7              | 20                     | 34           | 17.7     | 1.1              | 48.71  | 0.04      | 155.06  | 0.12   | 59    | 9   | 9.2   |       |           | 4.4 |     |     |     | 4.0 | SKHL     |      |    |
| 668 | 2010           | 12                  | 9              | 2                      | 31           | 42.3     | 0.8              | 46.31  | 0.08      | 152.92  | 0.14   | 36    | 6   | 9.5   |       |           | 4.8 |     |     |     | 4.2 | SKHL     |      |    |
| 669 | 2010           | 12                  | 9              | 11                     | 49           | 23.0     | 1.1              | 48.67  | 0.05      | 155.50  | 0.17   | 57    | 3   | 10.2  |       |           | 4.9 |     |     |     | 4.5 | SKHL     |      |    |
| 670 | 2010           | 12                  | 9              | 16                     | 29           | 29.0     | 0.8              | 43.27  | 0.01      | 146.16  | 0.03   | 22    | 1   | 9.7   |       |           | 4.7 |     |     |     | 4.3 | SKHL     |      |    |
| 671 | 2010           | 12                  | 10             | 8                      | 56           | 5.2      | 0.2              | 43.94  | 0.06      | 146.94  | 0.09   | 87    | 2   | 9.5   |       |           | 5.0 |     | 5.7 |     | 4.2 | SKHL     |      |    |
| 672 | 2010           | 12                  | 11             | 21                     | 50           | 12.3     | 0.2              | 43.33  | 0.05      | 145.53  | 0.19   | 115   | 5   | 9.2   |       |           | 4.7 |     | 5.4 |     | 4.0 | SKHL     |      |    |
| 673 | 2010           | 12                  | 12             | 2                      | 50           | 49.0     | 0.6              | 44.86  | 0.03      | 150.08  | 0.05   | 77    | 6   | 8.8   |       |           | 4.7 |     |     |     | 3.8 | SKHL     |      |    |
| 674 | 2010           | 12                  | 12             | 12                     | 16           | 49       | 4.6              | 0.8    | 48.30     | 0.05    | 156.26 | 0.13  | 67  | 7     | 9.3   |           |     | 4.8 |     |     | 4.1 | SKHL     |      |    |
| 675 | 2010           | 12                  | 12             | 17                     | 32           | 20.8     | 1.0              | 48.40  | 0.03      | 156.07  | 0.20   | 35    | 4   | 8.6   |       |           | 4.5 |     |     |     | 3.7 | SKHL     |      |    |
| 676 | 2010           | 12                  | 13             | 5                      | 13           | 46.4     | 2.8              | 48.852 |           | 156.632 |        | 0.298 | 6   | 6     |       | 10.0      |     |     |     |     | 3.6 | KRSC     |      |    |
| 677 | 2010           | 12                  | 13             | 16                     | 47           | 44.4     | 0.3              | 44.26  | 0.04      | 147.93  | 0.09   | 44    | 4   | 8.4   |       |           | 4.7 |     |     |     | 3.6 | SKHL     |      |    |
| 678 | 2010           | 12                  | 13             | 23                     | 20           | 25.9     | 0.3              | 44.15  | 0.01      | 147.32  | 0.03   | 73    | 2   | 8.3   |       |           | 4.7 |     |     |     | 3.6 | SKHL     |      |    |
| 679 | 2010           | 12                  | 14             | 13                     | 59           | 43.2     | 0.3              | 42.99  | 0.01      | 146.23  | 0.08   | 46    | 2   | 8.6   |       |           | 4.5 |     |     |     | 3.7 | SKHL     |      |    |
| 680 | 2010           | 12                  | 14             | 22                     | 36           | 40.0     | 1.0              | 42.93  | 0.02      | 146.18  | 0.11   | 48    | 3   | 8.9   |       |           | 5.1 |     |     |     | 3.9 | SKHL     |      |    |

<sup>23</sup> Северо-Курильск (220 км) – 2–3 балла.

<sup>24</sup> Северо-Курильск (231 км) – 2 балла.

<sup>25</sup> Северо-Курильск (234 км) – 2 балла.

<sup>26</sup> Южно-Курильск (79 км) – 2 балла.

| №   | Дата, |    |    | Время, $t_0$ , |     |      | $\delta t_0$ ,<br>с | Гипоцентр      |                     |                |                     |              | $K_C$ | $K_S$ | Магнитуды   |                    |     |     |      |     |      | Код<br>сети | I    |     |
|-----|-------|----|----|----------------|-----|------|---------------------|----------------|---------------------|----------------|---------------------|--------------|-------|-------|-------------|--------------------|-----|-----|------|-----|------|-------------|------|-----|
|     | год   | м  | д  | ч              | мин | с    |                     | $\varphi$ , °N | $\delta\varphi$ , ° | $\lambda$ , °E | $\delta\lambda$ , ° | $\delta$ , ° |       |       | $h$ ,<br>км | $\delta h$ ,<br>км | MLH | MPV | MPVA | MSH | MSHA |             |      | MPH |
| 681 | 2010  | 12 | 15 | 5              | 44  | 0.9  | 1.1                 | 42.82          | 0.08                | 144.05         | 0.28                | 114          | 4     | 10.9  |             | 4.8                |     | 4.9 |      | 6.0 |      | 4.9         | SKHL |     |
| 682 | 2010  | 12 | 15 | 22             | 39  | 35.9 | 0.2                 | 44.61          | 0.07                | 149.48         | 0.12                | 59           | 6     | 9.5   |             |                    | 4.9 |     |      |     |      | 4.2         | SKHL |     |
| 683 | 2010  | 12 | 16 | 15             | 37  | 23.9 | 0.6                 | 44.23          | 0.05                | 151.53         | 0.08                | 45           | 5     | 9.1   |             |                    | 4.7 |     |      |     |      | 4.0         | SKHL |     |
| 684 | 2010  | 12 | 16 | 17             | 57  | 32.7 | 0.8                 | 43.44          | 0.02                | 146.95         | 0.07                | 23           | 3     | 8.6   |             |                    | 5.0 |     |      |     |      | 3.7         | SKHL |     |
| 685 | 2010  | 12 | 16 | 18             | 52  | 31.5 | 0.1                 | 45.16          | 0.06                | 151.23         | 0.11                | 55           | 4     | 8.2   |             |                    | 4.5 |     |      |     |      | 3.5         | SKHL |     |
| 686 | 2010  | 12 | 17 | 5              | 28  | 37.4 | 0.3                 | 43.42          | 0.03                | 147.06         | 0.07                | 55           | 5     | 9.0   |             |                    | 4.6 |     |      |     |      | 3.9         | SKHL |     |
| 687 | 2010  | 12 | 17 | 8              | 31  | 44.5 | 0.4                 | 44.20          | 0.08                | 151.80         | 0.10                | 51           | 7     | 9.7   |             |                    | 4.7 |     |      |     |      | 4.3         | SKHL |     |
| 688 | 2010  | 12 | 17 | 19             | 48  | 41.9 | 0.4                 | 44.04          | 0.02                | 147.82         | 0.05                | 35           | 4     | 8.3   |             |                    | 4.3 |     |      |     |      | 3.6         | SKHL |     |
| 689 | 2010  | 12 | 18 | 9              | 0   | 13.5 | 0.1                 | 44.23          | 0.02                | 148.83         | 0.03                | 18           | 1     | 8.1   |             |                    | 4.1 |     |      |     |      | 3.5         | SKHL |     |
| 690 | 2010  | 12 | 18 | 12             | 14  | 34.6 | 0.2                 | 43.82          | 0.04                | 151.13         | 0.04                | 70           | 7     | 9.2   |             |                    | 4.5 |     |      |     |      | 4.0         | SKHL |     |
| 691 | 2010  | 12 | 19 | 9              | 58  | 27.0 | 0.3                 | 43.43          | 0.02                | 146.98         | 0.06                | 36           | 5     | 9.0   |             |                    | 4.5 |     |      |     |      | 3.9         | SKHL |     |
| 692 | 2010  | 12 | 19 | 16             | 59  | 18.9 | 0.6                 | 49.05          | 0.05                | 155.64         | 0.14                | 71           | 9     | 10.6  |             |                    | 4.6 |     |      |     |      | 4.7         | SKHL |     |
| 693 | 2010  | 12 | 19 | 23             | 45  | 35.9 | 0.3                 | 47.16          | 0.08                | 153.65         | 0.21                | 76           | 4     | 10.4  |             | 4.0                | 5.2 |     |      |     |      | 4.6         | SKHL |     |
| 694 | 2010  | 12 | 20 | 18             | 0   | 50.2 | 1.1                 | 45.01          | 0.01                | 151.26         | 0.01                | 39           | 1     | 8.3   |             |                    | 4.5 |     |      |     |      | 3.6         | SKHL |     |
| 695 | 2010  | 12 | 21 | 3              | 6   | 9.3  | 1.0                 | 46.80          | 0.12                | 152.97         | 0.22                | 68           | 6     | 10.2  |             |                    | 4.9 |     |      |     |      | 4.5         | SKHL |     |
| 696 | 2010  | 12 | 21 | 10             | 12  | 4.5  | 0.4                 | 44.94          | 0.05                | 150.11         | 0.05                | 40           | 5     | 8.9   |             |                    | 4.5 |     |      |     |      | 3.9         | SKHL |     |
| 697 | 2010  | 12 | 22 | 10             | 40  | 16.0 | 0.7                 | 42.85          | 0.01                | 145.41         | 0.06                | 38           | 2     | 8.9   |             |                    | 4.6 |     |      |     |      | 3.9         | SKHL |     |
| 698 | 2010  | 12 | 22 | 14             | 36  | 57.0 | 0.9                 | 44.17          | 0.02                | 148.21         | 0.03                | 26           | 2     | 8.1   |             |                    | 4.3 |     |      |     |      | 3.5         | SKHL |     |
| 699 | 2010  | 12 | 23 | 2              | 23  | 14.6 | 0.3                 | 45.00          | 0.08                | 149.75         | 0.18                | 121          | 4     | 9.8   |             |                    | 4.8 |     | 5.6  |     |      | 4.3         | SKHL |     |
| 700 | 2010  | 12 | 23 | 5              | 7   | 46.6 | 0.6                 | 48.11          | 0.08                | 151.91         | 0.19                | 87           | 4     | 9.5   |             |                    | 4.9 |     | 5.6  |     |      | 4.2         | SKHL |     |
| 701 | 2010  | 12 | 23 | 13             | 32  | 7.9  | 0.9                 | 45.63          | 0.03                | 148.62         | 0.08                | 20           | 4     | 9.0   |             |                    | 4.4 |     |      |     |      | 3.9         | SKHL |     |
| 702 | 2010  | 12 | 23 | 19             | 32  | 10.5 | 0.6                 | 45.79          | 0.03                | 152.30         | 0.03                | 45           | 3     | 8.9   |             |                    | 4.7 |     |      |     |      | 3.9         | SKHL |     |
| 703 | 2010  | 12 | 24 | 7              | 24  | 57.2 | 0.1                 | 48.05          | 0.07                | 154.79         | 0.35                | 125          | 4     | 9.5   |             |                    | 4.5 |     | 5.2  |     |      | 4.2         | SKHL |     |
| 704 | 2010  | 12 | 24 | 23             | 42  | 18.6 | 1.1                 | 45.99          | 0.09                | 151.56         | 0.16                | 103          | 10    | 12.7  |             |                    | 6.1 | 5.8 | 6.2  | 6.7 |      | 6.1         | SKHL |     |
| 705 | 2010  | 12 | 26 | 1              | 54  | 15.8 | 0.3                 | 43.33          | 0.01                | 147.09         | 0.05                | 29           | 1     | 8.5   |             |                    | 4.5 |     |      |     |      | 3.7         | SKHL |     |
| 706 | 2010  | 12 | 26 | 23             | 57  | 8.8  | 0.1                 | 43.71          | 0.02                | 147.57         | 0.04                | 23           | 1     | 8.4   |             |                    | 4.7 |     |      |     |      | 3.6         | SKHL |     |
| 707 | 2010  | 12 | 27 | 3              | 32  | 14.0 | 0.1                 | 43.25          | 0.01                | 146.94         | 0.05                | 41           | 4     | 8.6   |             |                    | 4.8 |     |      |     |      | 3.7         | SKHL |     |
| 708 | 2010  | 12 | 28 | 17             | 7   | 50.2 | 0.1                 | 44.46          | 0.02                | 149.38         | 0.04                | 45           | 3     | 8.5   |             |                    | 4.7 |     |      |     |      | 3.7         | SKHL |     |
| 709 | 2010  | 12 | 28 | 20             | 45  | 39.1 | 1.2                 | 46.43          | 0.05                | 153.21         | 0.10                | 73           | 4     | 9.9   |             |                    | 4.7 |     |      |     |      | 4.4         | SKHL |     |
| 710 | 2010  | 12 | 29 | 4              | 16  | 38.6 | 0.1                 | 43.09          | 0.03                | 145.96         | 0.15                | 43           | 3     | 8.7   |             |                    | 4.2 |     |      |     |      | 3.8         | SKHL |     |
| 711 | 2010  | 12 | 30 | 0              | 40  | 36.0 | 0.5                 | 44.30          | 0.01                | 146.76         | 0.03                | 104          | 6     | 8.5   |             |                    | 4.6 |     | 5.2  |     |      | 3.7         | SKHL |     |
| 712 | 2010  | 12 | 30 | 13             | 59  | 46.9 | 1.1                 | 47.85          | 0.10                | 151.82         | 0.22                | 144          | 5     | 9.4   |             |                    | 4.9 |     | 5.4  |     |      | 4.1         | SKHL |     |
| 713 | 2010  | 12 | 30 | 14             | 31  | 9.5  | 0.4                 | 44.34          | 0.02                | 148.22         | 0.04                | 35           | 4     | 8.7   |             |                    | 4.6 |     |      |     |      | 3.8         | SKHL |     |
| 714 | 2010  | 12 | 31 | 15             | 6   | 38.3 | 1.1                 | 46.58          | 0.02                | 153.80         | 0.02                | 40           | 4     | 9.8   |             |                    | 5.0 |     |      |     |      | 4.3         | SKHL |     |