

**SODANKYLÄ GEOPHYSICAL OBSERVATORY
PUBLICATIONS**



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No. 105

MAGNETIC RESULTS

SODANKYLÄ 2009

TERO RAITA
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OULU 2011

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SODANKYLÄ GEOPHYSICAL OBSERVATORY
MAGNETIC RESULTS 2009

The Sodankylä Geophysical Observatory was established in 1913; 1914 was the first year of magnetic recordings. The observatory is situated on the east bank of the river Kitinen, ca. 5 km south of Sodankylä village. Until 31.07.1997 it belonged to the Finnish Academy of Science and Letters. Since 01.08.1997 it has been the independent observatory of the University of Oulu. Coordinates are (IGRF-10 model for 2005):

| | Lat. | Long. | |
|----------------|------------|--|-------------|
| Geographic | 67°22'09"N | 26 37'47"E | h = 178 m |
| | | 1 ^h 46 ^m 31.1 ^s | |
| Geomagn.(dip.) | 63.93° | 120.00° | Ψ = -23.71° |
| Corr.geomagn. | 64.0° | 107.0° | L = 5.2 |

VARIOMETERS

Three sets of variometers are used:

- FG (Danish) Fluxgate magnetometer
- PSM (Polish) Photoelectric Torsion Magnetometer
- RM (Russian) Photoelectric Torsion Magnetometer

The sampling rate and the adopted scale values of the variometers were:

| | X | Y | Z | sampling |
|---------------|----------|----------|----------|----------|
| FG (nT/digit) | 0.005708 | 0.005720 | 0.005720 | 2 Hz |
| PSM | 0.003072 | 0.003072 | 0.003075 | 2 Hz |
| RM | 0.009750 | 0.009354 | 0.009544 | 2 Hz |

ABSOLUTE AND BASE-LINE MEASUREMENTS

The base-line values of variometers were determined weekly with the following instruments:

- Overhauser magnetometer GSM-90
- Fluxgate declinometer&inclinometer ("DI-flux") Elsec type 810

The geomagnetic observatory hosted 45th Nordic Geomagnetic Workshop (aka Nordic Komparation) in 15-17 June, 2009. The report of the workshop will be published in this publication serie.

Observations during the year 2009 were made by Tero Raita and Johannes Kultima, who retired in November 2009.

The adopted base-line values for FG were as follows:

East intensity Y

| | |
|---------------|-----------|
| 01.01.-14.01. | 1807.5 nT |
| 15.01.-02.04. | 07.3 |
| 03.04.-09.05. | 07.0 |
| 10.05.-23.06. | 07.3 |
| 24.06.-04.08. | 07.0 |
| 05.08.-03.10. | 07.3 |
| 04.10.-09.11. | 07.0 |
| 10.11.-31.12. | 06.5 |

North intensity X

| | |
|---------------|------------|
| 01.01.-09.01. | 11416.0 nT |
| 10.01.-08.02. | 15.5 |
| 09.02.-12.04. | 15.0 |
| 13.04.-29.04. | 14.5 |
| 30.04.-08.06. | 15.0 |
| 09.06.-02.07. | 15.5 |
| 07.03.-13.07. | 16.0 |
| 14.07.-04.08. | 16.5 |
| 05.08.-20.09. | 17.0 |
| 21.09.-03.10. | 15.8 |
| 04.10.-16.10. | 15.0 |
| 17.10.-01.11. | 14.5 |
| 02.11.-15.12. | 14.0 |
| 16.12.-31.12. | 13.5 |

Vertical intensity Z

| | |
|---------------|------------|
| 01.01.-14.01. | 51153.4 nT |
| 15.01.-03.02. | 53.5 |
| 04.02.-11.03. | 53.7 |
| 12.03.-18.05. | 53.9 |
| 19.05.-02.07. | 53.7 |
| 03.07.-13.07. | 53.2 |
| 14.07.-20.09. | 52.9 |
| 21.09.-01.11. | 53.4 |
| 02.11.-05.12. | 53.7 |
| 06.12.-31.12. | 53.9 |

TREATMENT OF RECORDINGS

The components recorded are X, Y and Z. The tabulated components are X, Y, Z, and the tabulations are based on FG digital recording. D (and Y) is positive eastwards, X northwards and Z downwards. The tabular unit of intensity components is 1 nT, that of D is 0.1'. Time used throughout is UT; hourly values are centred at half-hours.

The values were controlled by comparing them with the other digital (PSM, RM) recordings. Monthly and annual tables were computed at the Observatory using a Macintosh computer.

The K- and Ak-indices on the page 15 are determined from all components (HDZ) for historical reasons. The Bartels musical diagram on the page 15 is calculated using only components H and D.

To calculate the variations of other field components than tabulated, the following differential formulas can be used:

$$\begin{aligned} \Delta X &= 0.984 \Delta H - 0.591 \Delta D & \Delta H &= 0.984 \Delta X + 0.175 \Delta Y \\ \Delta Y &= 0.175 \Delta H + 3.317 \Delta D & \Delta D &= 0.292 \Delta Y - 0.052 \Delta X \\ \Delta F &= 0.220 \Delta H + 0.976 \Delta Z & \Delta I &= 0.0144 \Delta Z - 0.0637 \Delta H \\ &= 0.217 \Delta X + 0.039 \Delta Y + 0.976 \Delta Z \end{aligned}$$

where X, Y, H, Z, F are expressed in nT and D, I in arc minutes.

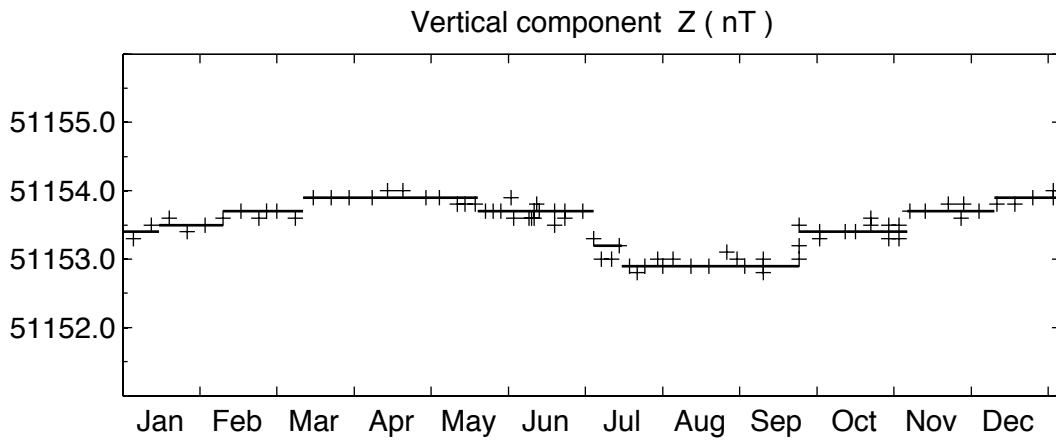
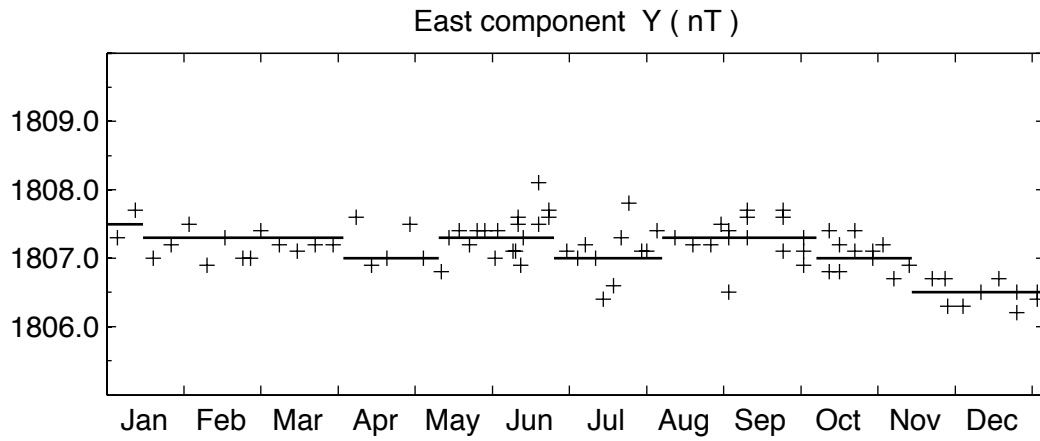
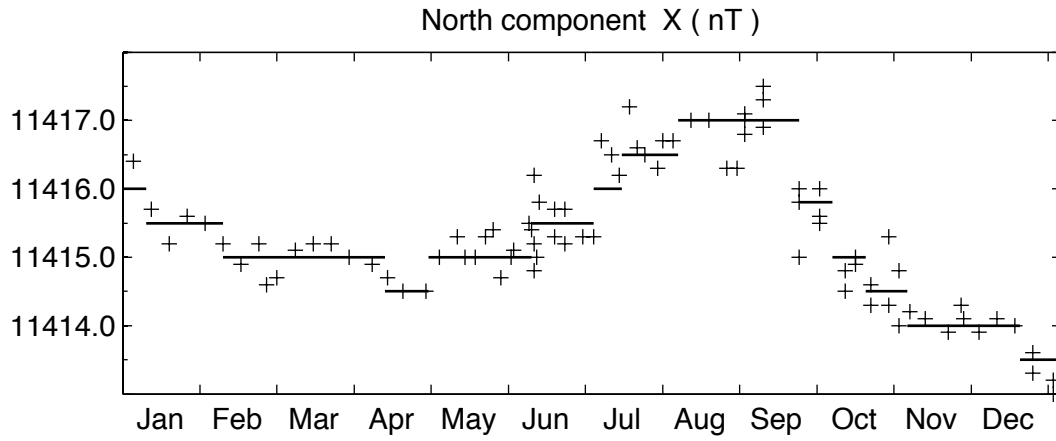
In 1945 new absolute and variation rooms were built on a new site, ca 250 m WWN from the original location of the absolute house. In tables of annual means the values for years 1914-1944 are reduced to the new site, using the following values of site differences (as determined in 1946): (old minus new)

$$\begin{aligned} \Delta D &= + 7.0' & \Delta Y &= + 25 \text{ nT} \\ \Delta H &= + 15 \text{ nT} & \Delta X &= + 12 \text{ nT} \\ \Delta Z &= +124 \text{ nT} & \Delta F &= +124 \text{ nT} \\ & & \Delta I &= + 0.9' \end{aligned}$$

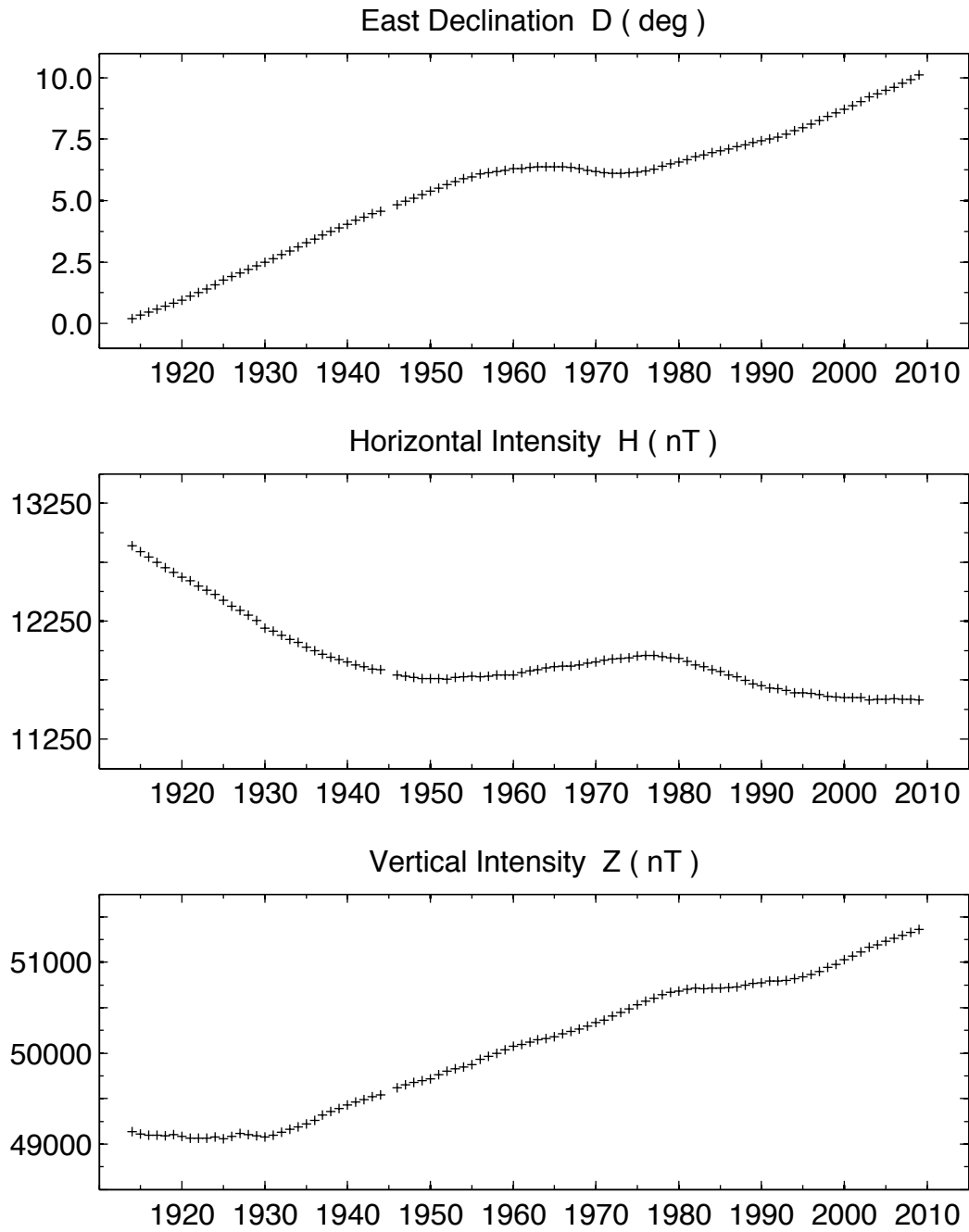
Like the preceding yearbooks, the activity indices K and Ak are given. For continuity, as K the largest value derived from components H, D, Z is given, otherwise that is the present usage. The statistical difference to the standard procedure is rather small, in monthly mean of Ak normally less than 1 unit. The minimum range for K = 9 is 1500 nT.

The analog recording of magnetic variometer was finished at the end of 1995 after having been continued 82 years.

The long planned renovation of the absolute and variometer houses was finally funded from the administration of the university in 2009. The renovation aimed to improve the thermal stability of the houses. Also electric heaters were serviced and electric wirings were upgraded in accordance of the present regulations. The first phase of the renovation was done between 21 Sep and 6 Oct 2009. The renovation can be seen in baselines, especially in X component, where the step was the most significant. The whole renovation process will be reported in this publication serie.

MEASURED AND ADOPTED BASELINES FOR 2009

ANNUAL MEANS FOR 1914 -2009



ANNUAL MEANS. all days

| Year | Z | H | D | F | X | Y | I |
|------|----------|----------|---------|----------|----------|--------|----------|
| 1914 | 49136 nT | 12890 nT | 0°11.3' | 50799 nT | 12890 nT | 42 nT | 75°18.0' |
| 15 | 108 | 839 | 20.1 | 759 | 839 | 75 | 20.9 |
| 16 | 100 | 791 | 27.7 | 739 | 791 | 103 | 23.9 |
| 17 | 094 | 750 | 35.4 | 723 | 749 | 131 | 26.5 |
| 18 | (092) | (702) | (42.3) | (709) | (701) | (156) | (29.6) |
| 19 | 101 | 661 | 48.9 | 707 | 660 | 180 | 32.5 |
| 20 | 087 | 624 | 56.9 | 684 | 622 | 209 | 34.6 |
| 21 | 065 | 590 | 1 06.4 | 655 | 588 | 243 | 36.5 |
| 22 | 063 | 545 | 15.4 | 641 | 542 | 275 | 39.4 |
| 23 | 066 | 514 | 23.6 | 637 | 510 | 304 | 41.5 |
| 24 | 080 | 475 | 34.2 | 641 | 470 | 342 | 44.3 |
| 25 | 060 | 425 | 46.3 | 609 | 419 | 384 | 47.3 |
| 26 | 086 | 377 | 53.9 | 622 | 370 | 410 | 50.9 |
| 27 | 114 | 342 | 2 03.6 | 641 | 334 | 444 | 53.6 |
| 28 | 104 | 302 | 11.9 | 622 | 293 | 472 | 56.1 |
| 29 | 088 | 254 | 20.4 | 594 | 244 | 500 | 59.0 |
| 30 | 077 | 192 | 29.5 | 569 | 180 | 530 | 76 02.9 |
| 31 | 100 | 167 | 38.1 | 585 | 154 | 559 | 04.9 |
| 32 | 130 | 130 | 48.5 | 605 | 115 | 594 | 07.9 |
| 33 | 160 | 095 | 56.9 | 626 | 079 | 622 | 10.7 |
| 34 | 187 | 068 | 3 06.8 | 646 | 050 | 655 | 12.9 |
| 35 | 218 | 027 | 16.7 | 666 | 007 | 688 | 16.1 |
| 36 | 263 | 11997 | 26.4 | 703 | 11975 | 720 | 18.8 |
| 37 | 316 | 970 | 36.2 | 748 | 946 | 752 | 21.4 |
| 38 | 361 | 941 | 44.8 | 785 | 915 | 780 | 24.0 |
| 39 | 394 | 921 | 53.7 | 812 | 893 | 810 | 25.9 |
| 40 | 428 | 901 | 4 02.2 | 841 | 871 | 838 | 27.7 |
| 41 | 460 | 876 | 11.5 | 866 | 844 | 868 | 29.9 |
| 42 | 488 | 862 | 19.2 | 890 | 828 | 894 | 31.2 |
| 43 | 524 | 845 | 27.6 | 921 | 809 | 921 | 32.9 |
| 44 | (542) | (836) | (33.6) | (939) | (799) | (941) | (33.8) |
| 45 | - | - | - | - | - | - | - |
| 46 | 618 | 792 | 49.6 | 51000 | 750 | 992 | 37.9 |
| 47 | 652 | 784 | 58.0 | 031 | 740 | 1020 | 38.9 |
| 48 | 678 | 772 | 5 05.7 | 054 | 725 | 1045 | 40.1 |
| 49 | 697 | 764 | 14.4 | 070 | 715 | 1074 | 40.9 |
| 50 | 720 | 763 | 22.5 | 093 | 711 | 1102 | 41.4 |
| 51 | 760 | 762 | 30.8 | 131 | 708 | 1130 | 42.1 |
| 52 | 800 | 757 | 39.1 | 169 | 700 | 1158 | 43.0 |
| 53 | (826) | (770) | (46.5) | (197) | (710) | (1184) | (42.5) |
| 54 | 846 | 776 | 53.1 | 218 | 714 | 1207 | 42.5 |
| 55 | 875 | 781 | 58.6 | 248 | 717 | 1227 | 42.6 |
| 56 | 930 | 779 | 6 04.9 | 301 | 713 | 1248 | 43.6 |
| 57 | 966 | 782 | 08.0 | 336 | 715 | 1259 | 43.9 |
| 58 | 999 | 790 | 11.2 | 370 | 721 | 1271 | 43.9 |
| 59 | 50034 | 793 | 14.3 | 405 | 723 | 1281 | 44.2 |
| 60 | 076 | 792 | 17.6 | 446 | 721 | 1293 | 45.0 |

ANNUAL MEANS. all days (cont)

| Year | Z | H | D | F | X | Y | I |
|------|----------|----------|---------|----------|----------|---------|----------|
| 1961 | 50098 nT | 11811 nT | 6°18.8' | 51471 nT | 11739 nT | 1299 nT | 76°44.1' |
| 62 | 119 | 827 | 21.0 | 496 | 754 | 1308 | 43.3 |
| 63 | 146 | 836 | 23.0 | 524 | 763 | 1316 | 43.2 |
| 64 | 164 | 852 | 23.1 | 545 | 778 | 1318 | 42.4 |
| 65 | 182 | 865 | 22.9 | 566 | 791 | 1319 | 41.8 |
| 66 | 210 | 866 | 22.4 | 593 | 793 | 1317 | 42.2 |
| 67 | 240 | 870 | 21.4 | 623 | 797 | 1314 | 42.4 |
| 68 | 265 | 880 | 18.6 | 650 | 808 | 1306 | 42.1 |
| 69 | 297 | 891 | 14.6 | 684 | 820 | 1293 | 41.9 |
| 70 | 336 | 905 | 10.5 | 724 | 836 | 1281 | 41.6 |
| 71 | 366 | 918 | 07.4 | 757 | 850 | 1271 | 41.1 |
| 72 | 407 | 930 | 06.0 | 800 | 862 | 1268 | 41.1 |
| 73 | 447 | 934 | 06.7 | 839 | 866 | 1271 | 41.4 |
| 74 | 490 | 939 | 08.5 | 882 | 870 | 1277 | 41.8 |
| 75 | 532 | 953 | 09.3 | 926 | 884 | 1282 | 41.5 |
| 76 | 570 | 960 | 12.7 | 965 | 890 | 1294 | 41.6 |
| 77 | 605 | 960 | 16.9 | 998 | 888 | 1309 | 42.1 |
| 78 | 647 | 946 | 23.8 | 52036 | 872 | 1331 | 43.7 |
| 79 | 673 | 940 | 29.1 | 061 | 863 | 1348 | 44.5 |
| 80 | 683 | 932 | 34.1 | 068 | 853 | 1364 | 45.1 |
| 81 | 702 | 909 | 39.9 | 082 | 829 | 1382 | 46.9 |
| 82 | 714 | 880 | 46.7 | 087 | 797 | 1402 | 48.9 |
| 83 | 712 | 864 | 51.1 | 081 | 780 | 1415 | 49.9 |
| 84 | 713 | 839 | 56.9 | 077 | 752 | 1432 | 51.6 |
| 85 | 715 | 822 | 7 01.2 | 075 | 733 | 1445 | 52.7 |
| 86 | 723 | 794 | 06.7 | 076 | 703 | 1460 | 54.6 |
| 87 | 729 | 777 | 11.3 | 078 | 684 | 1473 | 55.8 |
| 88 | 746 | 749 | 16.7 | 088 | 654 | 1488 | 57.8 |
| 89 | 771 | 718 | 22.2 | 106 | 621 | 1503 | 77 00.2 |
| 90 | 776 | 704 | 25.8 | 107 | 605 | 1514 | 01.2 |
| 91 | 793 | 681 | 30.9 | 119 | 581 | 1528 | 02.9 |
| 92 | 793 | 675 | 35.3 | 118 | 572 | 1542 | 03.3 |
| 93 | 801 | 662 | 42.3 | 122 | 557 | 1563 | 04.3 |
| 94 | 821 | 642 | 51.0 | 137 | 533 | 1590 | 05.8 |
| 95 | 842 | 642 | 57.9 | 158 | 530 | 1613 | 06.1 |
| 96 | 864 | 636 | 8 06.2 | 178 | 520 | 1640 | 06.8 |
| 97 | 899 | 627 | 15.7 | 210 | 506 | 1671 | 07.9 |
| 98 | 942 | 612 | 25.7 | 248 | 486 | 1702 | 09.6 |
| 99 | 978 | 607 | 34.6 | 282 | 477 | 1731 | 10.4 |
| 2000 | 51026 | 602 | 43.7 | 328 | 467 | 1761 | 11.4 |
| 01 | 066 | 602 | 52.5 | 367 | 463 | 1790 | 12.0 |
| 02 | 113 | 599 | 9 02.3 | 413 | 455 | 1822 | 12.9 |
| 03 | 163 | 581 | 13.9 | 457 | 431 | 1858 | 14.7 |
| 04 | 195 | 588 | 21.3 | 490 | 433 | 1884 | 14.8 |
| 05 | 231 | 585 | 29.7 | 524 | 426 | 1911 | 15.5 |
| 06 | 261 | 589 | 37.3 | 555 | 426 | 1937 | 15.7 |
| 07 | 296 | 588 | 46.4 | 588 | 420 | 1967 | 16.2 |
| 08 | 329 | 585 | 56.2 | 620 | 411 | 1999 | 16.9 |
| 09 | 362 | 583 | 10 06.4 | 652 | 403 | 2033 | 17.5 |

ANNUAL MEANS. quiet days

| Year | Z | H | D | F | X | Y | I |
|------|----------|----------|---------|----------|----------|--------|----------|
| 1914 | 49138 nT | 12893 nT | 0°11.1' | 50801 nT | 12893 nT | 42 nT | 75°17.9' |
| 15 | 113 | 845 | 19.7 | 765 | 845 | 74 | 20.6 |
| 16 | 106 | 801 | 26.9 | 747 | 801 | 100 | 23.4 |
| 17 | 097 | 758 | 34.4 | 728 | 757 | 128 | 26.0 |
| 18 | (097) | (713) | (41.4) | (716) | (712) | (153) | (29.0) |
| 19 | 105 | 674 | 48.4 | 714 | 673 | 178 | 31.7 |
| 20 | 091 | 633 | 56.6 | 690 | 631 | 208 | 34.1 |
| 21 | 068 | 596 | 1 05.9 | 659 | 594 | 241 | 36.2 |
| 22 | 070 | 553 | 14.8 | 650 | 550 | 273 | 39.0 |
| 23 | 068 | 518 | 23.3 | 640 | 514 | 303 | 41.3 |
| 24 | 083 | 478 | 34.0 | 644 | 473 | 341 | 44.2 |
| 25 | 062 | 432 | 46.0 | 613 | 426 | 383 | 46.9 |
| 26 | 091 | 388 | 53.3 | 630 | 381 | 408 | 50.2 |
| 27 | 119 | 349 | 2 03.0 | 648 | 341 | 442 | 53.3 |
| 28 | 106 | 308 | 11.4 | 625 | 299 | 470 | 55.8 |
| 29 | 093 | 264 | 19.6 | 602 | 254 | 498 | 58.4 |
| 30 | 085 | 211 | 27.6 | 581 | 200 | 524 | 76 01.8 |
| 31 | 106 | 174 | 37.3 | 593 | 161 | 557 | 04.6 |
| 32 | 138 | 140 | 47.6 | 615 | 126 | 592 | 07.3 |
| 33 | 166 | 102 | 56.2 | 634 | 086 | 620 | 10.3 |
| 34 | 191 | 073 | 3 06.2 | 651 | 055 | 654 | 12.6 |
| 35 | 223 | 034 | 16.0 | 673 | 014 | 686 | 15.7 |
| 36 | 266 | 003 | 25.8 | 707 | 11981 | 718 | 18.4 |
| 37 | 315 | 11978 | 35.3 | 749 | 955 | 750 | 20.9 |
| 38 | 361 | 952 | 43.7 | 787 | 927 | 777 | 23.3 |
| 39 | 395 | 935 | 52.0 | 816 | 908 | 805 | 25.0 |
| 40 | 431 | 914 | 4 00.7 | 847 | 885 | 833 | 26.9 |
| 41 | 464 | 891 | 09.9 | 873 | 860 | 864 | 29.0 |
| 42 | 494 | 874 | 18.0 | 898 | 841 | 890 | 30.6 |
| 43 | 531 | 859 | 26.0 | 931 | 824 | 917 | 32.1 |
| 44 | (547) | (844) | (32.7) | (943) | (807) | (939) | (33.4) |
| 45 | - | - | - | - | - | - | - |
| 46 | 621 | 806 | 48.4 | 51006 | 764 | 989 | 37.0 |
| 47 | 650 | 795 | 57.0 | 032 | 751 | 1018 | 38.2 |
| 48 | 680 | 781 | 5 04.8 | 058 | 735 | 1043 | 39.6 |
| 49 | 697 | 775 | 13.1 | 073 | 726 | 1071 | 40.2 |
| 50 | 723 | 778 | 20.8 | 099 | 727 | 1097 | 40.4 |
| 51 | 763 | 777 | 29.0 | 138 | 723 | 1125 | 41.1 |
| 52 | 807 | 778 | 36.8 | 181 | 722 | 1152 | 41.7 |
| 53 | (832) | (783) | (44.6) | (206) | (724) | (1179) | (41.8) |
| 54 | 850 | 785 | 52.1 | 224 | 723 | 1205 | 41.9 |
| 55 | 877 | 790 | 57.7 | 252 | 726 | 1225 | 42.0 |
| 56 | 926 | 792 | 6 03.1 | 300 | 726 | 1243 | 42.7 |
| 57 | 966 | 794 | 06.8 | 339 | 727 | 1256 | 43.1 |
| 58 | 994 | 801 | 09.8 | 368 | 733 | 1267 | 43.1 |
| 59 | 50031 | 806 | 12.7 | 405 | 737 | 1277 | 43.4 |
| 60 | 073 | 811 | 15.1 | 447 | 741 | 1286 | 43.7 |

ANNUAL MEANS. quiet days (cont)

| Year | Z | H | D | F | X | Y | I |
|------|----------|-------|------------|----------|----------|---------|----------|
| 1961 | 50100 nT | 11823 | nT 6°17.4' | 51476 nT | 11752 nT | 1295 nT | 76°43.3' |
| 62 | 125 | 837 | 19.9 | 504 | 765 | 1305 | 42.8 |
| 63 | 150 | 845 | 21.9 | 530 | 772 | 1313 | 42.6 |
| 64 | 168 | 858 | 22.5 | 550 | 785 | 1317 | 42.1 |
| 65 | 186 | 868 | 22.6 | 570 | 795 | 1318 | 41.7 |
| 66 | 213 | 873 | 21.8 | 598 | 800 | 1316 | 41.8 |
| 67 | 241 | 880 | 20.4 | 627 | 807 | 1312 | 41.8 |
| 68 | 270 | 889 | 17.6 | 657 | 817 | 1303 | 41.6 |
| 69 | 299 | 899 | 13.7 | 687 | 828 | 1291 | 41.5 |
| 70 | 336 | 912 | 09.5 | 726 | 843 | 1278 | 41.2 |
| 71 | 370 | 928 | 06.4 | 763 | 860 | 1269 | 40.7 |
| 72 | 409 | 938 | 05.0 | 803 | 871 | 1265 | 40.6 |
| 73 | 452 | 949 | 04.9 | 848 | 881 | 1266 | 40.6 |
| 74 | 497 | 957 | 06.3 | 894 | 890 | 1272 | 40.7 |
| 75 | 539 | 965 | 07.6 | 936 | 897 | 1277 | 40.8 |
| 76 | 576 | 971 | 11.3 | 974 | 901 | 1290 | 41.0 |
| 77 | 608 | 970 | 15.6 | 52004 | 899 | 1305 | 41.6 |
| 78 | 650 | 960 | 21.7 | 043 | 886 | 1325 | 42.9 |
| 79 | 673 | 949 | 27.9 | 063 | 873 | 1345 | 43.9 |
| 80 | 684 | 937 | 33.7 | 071 | 858 | 1364 | 44.9 |
| 81 | 701 | 919 | 38.7 | 083 | 839 | 1379 | 46.3 |
| 82 | 716 | 898 | 44.8 | 093 | 816 | 1397 | 47.8 |
| 83 | 717 | 881 | 49.1 | 090 | 797 | 1410 | 48.9 |
| 84 | 717 | 855 | 54.9 | 084 | 769 | 1427 | 50.6 |
| 85 | 719 | 833 | 59.7 | 081 | 744 | 1441 | 52.1 |
| 86 | 727 | 806 | 7 05.1 | 083 | 716 | 1456 | 53.9 |
| 87 | 732 | 783 | 10.4 | 082 | 690 | 1471 | 55.5 |
| 88 | 747 | 758 | 15.4 | 092 | 664 | 1485 | 57.3 |
| 89 | 770 | 735 | 20.6 | 108 | 638 | 1500 | 59.1 |
| 90 | 774 | 715 | 24.3 | 108 | 618 | 1510 | 77 00.4 |
| 91 | 788 | 696 | 29.2 | 118 | 596 | 1524 | 01.9 |
| 92 | 793 | 686 | 33.9 | 120 | 584 | 1539 | 02.6 |
| 93 | 803 | 675 | 40.6 | 128 | 571 | 1560 | 03.4 |
| 94 | 826 | 663 | 48.4 | 147 | 555 | 1584 | 04.5 |
| 95 | 846 | 654 | 56.5 | 165 | 542 | 1610 | 05.4 |
| 96 | 868 | 645 | 8 05.0 | 184 | 529 | 1638 | 06.3 |
| 97 | 900 | 635 | 14.7 | 213 | 514 | 1669 | 07.5 |
| 98 | 943 | 622 | 24.6 | 252 | 497 | 1700 | 08.9 |
| 99 | 981 | 618 | 33.5 | 288 | 488 | 1729 | 09.8 |
| 2000 | 51024 | 612 | 42.5 | 328 | 478 | 1758 | 10.8 |
| 01 | 065 | 611 | 51.6 | 369 | 472 | 1788 | 11.4 |
| 02 | 112 | 610 | 9 01.1 | 414 | 466 | 1820 | 12.2 |
| 03 | 164 | 603 | 11.3 | 463 | 454 | 1853 | 13.3 |
| 04 | 199 | 602 | 19.5 | 497 | 449 | 1880 | 13.9 |
| 05 | 236 | 599 | 28.1 | 533 | 441 | 1908 | 14.7 |
| 06 | 264 | 597 | 36.2 | 560 | 435 | 1935 | 15.2 |
| 07 | 299 | 594 | 45.4 | 593 | 426 | 1965 | 15.9 |
| 08 | 332 | 591 | 55.5 | 625 | 417 | 1998 | 16.6 |
| 09 | 363 | 585 | 10 06.3 | 654 | 405 | 2032 | 17.4 |

ANNUAL MEANS. disturbed days

| Year | Z | H | D | F | X | Y | I |
|------|----------|----------|---------|----------|----------|--------|----------|
| 1914 | 49133 nT | 12883 nT | 0°11.8' | 50794 nT | 12883 nT | 44 nT | 75°18.4' |
| 15 | 097 | 823 | 21.1 | 744 | 823 | 79 | 21.8 |
| 16 | 091 | 764 | 29.8 | 723 | 764 | 111 | 25.5 |
| 17 | 091 | 734 | 35.9 | 716 | 733 | 133 | 27.5 |
| 18 | (085) | (683) | (43.7) | (697) | (682) | (161) | (30.7) |
| 19 | 094 | 638 | 49.5 | 695 | 637 | 182 | 33.8 |
| 20 | 082 | 602 | 58.1 | 674 | 600 | 213 | 36.0 |
| 21 | 066 | 581 | 1 07.4 | 653 | 579 | 247 | 37.1 |
| 22 | 052 | 532 | 16.5 | 628 | 529 | 279 | 40.1 |
| 23 | 059 | 496 | 24.8 | 625 | 492 | 308 | 42.6 |
| 24 | 072 | 464 | 34.7 | 630 | 459 | 343 | 44.9 |
| 25 | 054 | 403 | 47.6 | 598 | 397 | 388 | 48.6 |
| 26 | 084 | 347 | 55.0 | 613 | 340 | 413 | 52.8 |
| 27 | 109 | 328 | 2 04.3 | 633 | 320 | 446 | 54.5 |
| 28 | 102 | 287 | 12.5 | 616 | 278 | 473 | 57.1 |
| 29 | 083 | 230 | 21.5 | 584 | 220 | 503 | 76 00.5 |
| 30 | 067 | 159 | 32.3 | 551 | 147 | 538 | 04.9 |
| 31 | 088 | 150 | 39.7 | 569 | 137 | 564 | 05.9 |
| 32 | 120 | 108 | 50.3 | 590 | 093 | 600 | 09.2 |
| 33 | 149 | 079 | 58.1 | 612 | 063 | 625 | 11.5 |
| 34 | 180 | 057 | 3 07.7 | 636 | 039 | 658 | 13.5 |
| 35 | 211 | 012 | 18.1 | 656 | 11992 | 692 | 17.0 |
| 36 | 262 | 11986 | 26.8 | 699 | 964 | 721 | 19.5 |
| 37 | 318 | 948 | 38.2 | 745 | 924 | 758 | 22.9 |
| 38 | 360 | 919 | 46.5 | 779 | 893 | 785 | 25.5 |
| 39 | 394 | 898 | 56.8 | 807 | 870 | 819 | 27.4 |
| 40 | 422 | 877 | 4 04.8 | 829 | 847 | 845 | 29.2 |
| 41 | 449 | 837 | 14.8 | 846 | 805 | 877 | 32.3 |
| 42 | 481 | 841 | 21.3 | 878 | 807 | 899 | 32.5 |
| 43 | 515 | 821 | 30.4 | 906 | 784 | 929 | 34.4 |
| 44 | (530) | (815) | (35.9) | (920) | (777) | (947) | (35.0) |
| 45 | - | - | - | - | - | - | - |
| 46 | 607 | 768 | 51.4 | 984 | 726 | 996 | 39.3 |
| 47 | 656 | 766 | 59.9 | 51031 | 721 | 1025 | 40.2 |
| 48 | 677 | 749 | 5 08.2 | 047 | 702 | 1052 | 41.6 |
| 49 | 702 | 737 | 17.6 | 069 | 687 | 1083 | 42.8 |
| 50 | 722 | 727 | 25.9 | 086 | 674 | 1110 | 43.8 |
| 51 | 754 | 736 | 33.2 | 119 | 681 | 1136 | 43.7 |
| 52 | 789 | 725 | 43.0 | 151 | 667 | 1168 | 44.9 |
| 53 | (812) | (741) | (50.1) | (177) | (680) | (1194) | (44.2) |
| 54 | 839 | 759 | 55.1 | 207 | 696 | 1212 | 43.5 |
| 55 | 867 | 761 | 6 01.0 | 235 | 696 | 1233 | 43.8 |
| 56 | 938 | 748 | 09.2 | 301 | 680 | 1259 | 45.7 |
| 57 | 968 | 757 | 11.3 | 333 | 688 | 1267 | 45.6 |
| 58 | 50008 | 767 | 14.1 | 374 | 697 | 1278 | 45.5 |
| 59 | 038 | 765 | 17.8 | 402 | 694 | 1290 | 46.1 |
| 60 | 080 | 750 | 22.5 | 440 | 677 | 1305 | 47.8 |

ANNUAL MEANS. disturbed days (cont)

| Year | Z | H | D | F | X | Y | I |
|------|----------|----------|---------|----------|----------|---------|----------|
| 1961 | 50093 nT | 11783 nT | 6°21.9' | 51460 nT | 11710 nT | 1306 nT | 76°45.8' |
| 62 | 111 | 812 | 22.8 | 484 | 739 | 1313 | 44.2 |
| 63 | 138 | 810 | 26.0 | 510 | 736 | 1323 | 44.7 |
| 64 | 154 | 840 | 24.5 | 533 | 766 | 1322 | 43.0 |
| 65 | 176 | 850 | 24.4 | 556 | 776 | 1322 | 42.7 |
| 66 | 207 | 851 | 23.7 | 587 | 777 | 1320 | 43.1 |
| 67 | 240 | 846 | 24.3 | 618 | 772 | 1321 | 43.9 |
| 68 | 257 | 862 | 21.0 | 638 | 789 | 1312 | 43.2 |
| 69 | 293 | 873 | 16.8 | 675 | 802 | 1299 | 43.0 |
| 70 | 335 | 892 | 13.0 | 721 | 822 | 1288 | 42.5 |
| 71 | 360 | 898 | 09.4 | 747 | 829 | 1276 | 42.4 |
| 72 | 407 | 908 | 08.6 | 794 | 839 | 1274 | 42.5 |
| 73 | 439 | 903 | 10.2 | 825 | 834 | 1279 | 43.3 |
| 74 | 484 | 915 | 11.6 | 871 | 846 | 1285 | 43.2 |
| 75 | 519 | 932 | 12.1 | 909 | 862 | 1289 | 42.7 |
| 76 | 560 | 940 | 15.3 | 951 | 869 | 1301 | 42.8 |
| 77 | 600 | 940 | 19.5 | 989 | 868 | 1315 | 43.4 |
| 78 | 641 | 918 | 28.5 | 52025 | 842 | 1344 | 45.4 |
| 79 | 669 | 924 | 31.5 | 053 | 847 | 1355 | 45.4 |
| 80 | 682 | 917 | 35.7 | 064 | 839 | 1368 | 46.1 |
| 81 | 703 | 898 | 41.3 | 080 | 817 | 1385 | 47.6 |
| 82 | 709 | 851 | 50.3 | 076 | 767 | 1411 | 50.7 |
| 83 | 705 | 836 | 53.9 | 068 | 751 | 1421 | 51.6 |
| 84 | 707 | 808 | 7 00.6 | 063 | 720 | 1441 | 53.5 |
| 85 | 707 | 801 | 04.1 | 062 | 711 | 1452 | 53.9 |
| 86 | 714 | 765 | 09.8 | 061 | 673 | 1467 | 56.3 |
| 87 | 725 | 768 | 12.4 | 072 | 675 | 1476 | 56.3 |
| 88 | 740 | 728 | 18.8 | 077 | 633 | 1493 | 59.1 |
| 89 | 778 | 681 | 26.1 | 104 | 583 | 1512 | 77 02.7 |
| 90 | 775 | 686 | 28.4 | 102 | 587 | 1520 | 02.4 |
| 91 | 800 | 662 | 33.4 | 122 | 561 | 1534 | 04.2 |
| 92 | 790 | 654 | 37.5 | 110 | 551 | 1546 | 04.6 |
| 93 | 793 | 635 | 45.8 | 109 | 528 | 1572 | 05.9 |
| 94 | 813 | 614 | 54.6 | 124 | 504 | 1598 | 07.5 |
| 95 | 833 | 622 | 8 00.2 | 145 | 509 | 1618 | 07.3 |
| 96 | 856 | 618 | 08.3 | 166 | 501 | 1645 | 07.9 |
| 97 | 896 | 612 | 17.5 | 204 | 491 | 1675 | 08.9 |
| 98 | 940 | 585 | 28.8 | 241 | 459 | 1709 | 11.2 |
| 99 | 971 | 586 | 36.8 | 272 | 456 | 1735 | 11.6 |
| 2000 | 51030 | 580 | 46.5 | 327 | 445 | 1767 | 12.9 |
| 01 | 070 | 579 | 55.0 | 366 | 439 | 1795 | 13.5 |
| 02 | 114 | 579 | 9 04.3 | 409 | 434 | 1826 | 14.2 |
| 03 | 166 | 546 | 18.6 | 453 | 394 | 1868 | 17.0 |
| 04 | 190 | 555 | 25.1 | 478 | 399 | 1891 | 16.8 |
| 05 | 219 | 559 | 32.4 | 508 | 399 | 1916 | 17.0 |
| 06 | 253 | 568 | 39.7 | 542 | 404 | 1942 | 16.9 |
| 07 | 287 | 571 | 48.6 | 576 | 402 | 1972 | 17.2 |
| 08 | 321 | 572 | 57.5 | 609 | 398 | 2001 | 17.6 |
| 09 | 358 | 578 | 10 07.0 | 647 | 398 | 2034 | 17.7 |

ACTIVITY FIGURES K(HDZ) AND Ak

2009

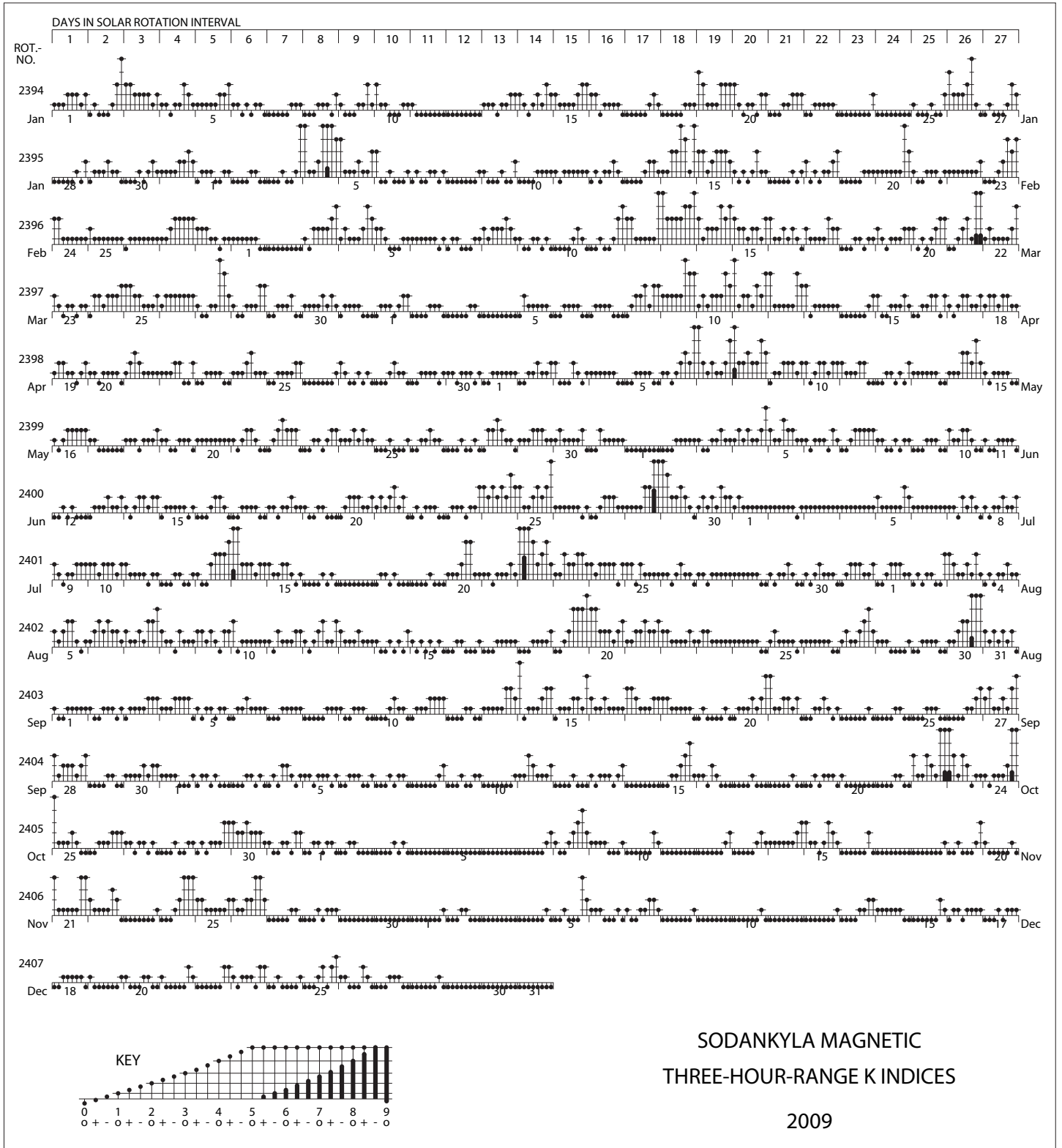
| Day | JANUARY | Sum | Ak | FEBRUARY | Sum | Ak | MARCH | Sum | Ak | APRIL | Sum | Ak | MAY | Sum | Ak | JUNE | Sum | Ak |
|------|-----------|-----|-----|-----------|-----|-----|-----------|------|-----|-----------|-----|-----|-----------|-----|-----|-----------|-----|-----|
| 1 | 1122 2213 | 14 | 7 | 1111 0011 | 6 | 2 | 1111 1100 | 6 | 2 | 0111 0122 | 8 | 3 | 0011 2211 | 8 | 3 | 0010 0000 | 1 | 0 |
| 2 | 1100 0235 | 12 | 10 | 0000 1100 | 2 | 1 | 0000 0000 | 0 | 0 | 1000 1121 | 6 | 2 | 0011 2112 | 8 | 3 | 0001 1111 | 5 | 2 |
| 3 | 3323 2313 | 20 | 12 | 0001 0015 | 7 | 7 | 1022 2344 | 18 | 12 | 0000 1110 | 3 | 1 | 3000 2101 | 7 | 4 | 1001 1212 | 8 | 3 |
| 4 | 2101 1331 | 12 | 6 | 5212 5654 | 30 | 34 | 1211 1244 | 16 | 10 | 0000 1000 | 1 | 0 | 1111 1200 | 7 | 3 | 1212 1124 | 14 | 8 |
| 5 | 1111 1233 | 13 | 7 | 4111 2113 | 14 | 8 | 3210 0011 | 8 | 4 | 0211 1110 | 7 | 3 | 0011 1100 | 4 | 2 | 3123 3212 | 17 | 9 |
| 6 | 2201 1111 | 9 | 4 | 3111 0002 | 8 | 4 | 2111 1101 | 8 | 3 | 0011 1100 | 4 | 2 | 1101 2335 | 16 | 12 | 2011 1021 | 8 | 3 |
| 7 | 1000 0111 | 4 | 2 | 1100 1101 | 5 | 2 | 0110 0011 | 4 | 2 | 0111 1000 | 4 | 2 | 5212 1134 | 19 | 14 | 0012 2222 | 11 | 5 |
| 8 | 1001 1213 | 9 | 4 | 0000 0001 | 1 | 0 | 2222 2321 | 16 | 8 | 0122 3133 | 15 | 8 | 6323 2243 | 25 | 22 | 1100 1111 | 6 | 2 |
| 9 | 2000 1131 | 8 | 4 | 2000 1012 | 6 | 3 | 1001 1010 | 4 | 2 | 3322 2544 | 25 | 19 | 0112 2212 | 11 | 5 | 0001 1100 | 3 | 1 |
| 10 | 3110 0012 | 8 | 4 | 0000 1112 | 5 | 2 | 0000 1220 | 5 | 2 | 2212 2253 | 19 | 13 | 2112 2132 | 14 | 7 | 2112 2100 | 9 | 4 |
| 11 | 1000 0110 | 3 | 1 | 1011 1111 | 7 | 3 | 0010 1134 | 10 | 6 | 5222 2334 | 23 | 17 | 2111 2210 | 10 | 4 | 1011 1110 | 6 | 2 |
| 12 | 0000 0000 | 0 | 0 | 0101 1210 | 6 | 2 | 3311 1115 | 16 | 12 | 4211 1244 | 19 | 13 | 0011 0102 | 5 | 2 | 1010 1000 | 3 | 1 |
| 13 | 1110 1122 | 9 | 4 | 0000 1221 | 6 | 3 | 5433 3445 | 31 | 28 | 4211 1122 | 14 | 8 | 1111 1100 | 6 | 2 | 0111 2112 | 9 | 4 |
| 14 | 2101 2133 | 13 | 7 | 1133 5415 | 23 | 20 | 3122 2435 | 22 | 16 | 2000 0012 | 5 | 2 | 1113 3242 | 17 | 10 | 1012 2122 | 11 | 5 |
| 15 | 3111 1343 | 17 | 11 | 3312 3333 | 21 | 13 | 4221 2213 | 17 | 10 | 2001 1121 | 8 | 3 | 2011 1100 | 6 | 2 | 1111 1101 | 7 | 3 |
| 16 | 2201 1110 | 8 | 3 | 1010 1321 | 9 | 4 | 3112 1210 | 11 | 5 | 0011 2223 | 11 | 5 | 1012 2222 | 12 | 5 | 0001 2210 | 6 | 3 |
| 17 | 0000 0221 | 5 | 2 | 0000 0101 | 2 | 1 | 2111 1333 | 15 | 8 | 3012 2223 | 15 | 8 | 1100 0000 | 2 | 1 | 0011 1100 | 4 | 2 |
| 18 | 0000 0111 | 3 | 1 | 2001 1123 | 10 | 5 | 1001 1021 | 6 | 2 | 1221 2211 | 12 | 5 | 1110 1112 | 8 | 3 | 1101 1121 | 8 | 3 |
| 19 | 4311 1333 | 19 | 12 | 1000 1111 | 5 | 2 | 2111 1122 | 11 | 5 | 1221 1022 | 11 | 5 | 2101 1121 | 9 | 4 | 2001 1000 | 4 | 2 |
| 20 | 3101 1032 | 11 | 6 | 1111 1153 | 14 | 10 | 2010 1333 | 13 | 7 | 1101 1110 | 6 | 2 | 1111 1111 | 8 | 3 | 0122 2112 | 11 | 5 |
| 21 | 0001 1232 | 9 | 4 | 2001 1101 | 6 | 2 | 0012 3166 | 19 | 24 | 1112 1122 | 14 | 7 | 1012 2100 | 7 | 3 | 2212 3121 | 14 | 7 |
| 22 | 1011 1110 | 6 | 2 | 1111 1112 | 9 | 4 | 2311 1124 | 15 | 9 | 1112 2003 | 10 | 5 | 0123 2221 | 13 | 6 | 0101 1100 | 4 | 2 |
| 23 | 0000 0002 | 2 | 1 | 0001 2434 | 14 | 10 | 2101 1011 | 7 | 3 | 1011 1100 | 5 | 2 | 0011 0133 | 9 | 5 | 0111 1113 | 9 | 4 |
| 24 | 0000 0000 | 0 | 0 | 3411 1111 | 13 | 8 | 0221 3323 | 16 | 9 | 1112 3221 | 13 | 6 | 2112 1211 | 11 | 5 | 3232 3243 | 22 | 14 |
| 25 | 1000 1002 | 4 | 2 | 2211 1111 | 10 | 4 | 4322 1113 | 17 | 10 | 0011 2123 | 10 | 5 | 0001 0001 | 2 | 1 | 3112 3235 | 20 | 14 |
| 26 | 4222 3530 | 21 | 16 | 0111 1111 | 7 | 3 | 2222 2222 | 16 | 7 | 1000 0002 | 3 | 1 | 1011 2111 | 8 | 3 | 3111 1101 | 9 | 4 |
| 27 | 0100 0243 | 10 | 7 | 1123 3333 | 19 | 11 | 1001 2543 | 16 | 13 | 2101 1010 | 6 | 2 | 0001 1011 | 4 | 2 | 0012 2211 | 9 | 4 |
| 28 | 0000 0102 | 3 | 1 | 2221 1022 | 12 | 5 | 2001 1143 | 12 | 7 | 0001 2110 | 5 | 2 | 0223 2110 | 11 | 5 | 1111 3475 | 23 | 30 |
| 29 | 0111 2110 | 7 | 3 | | | | 1011 1200 | 6 | 2 | 0011 1111 | 6 | 2 | 1112 2211 | 11 | 5 | 5422 3311 | 21 | 16 |
| 30 | 0001 0121 | 5 | 2 | | | | 1111 2121 | 10 | 4 | 1101 1101 | 6 | 2 | 1211 1120 | 9 | 4 | 1212 1322 | 14 | 7 |
| 31 | 1111 2233 | 14 | 7 | | | | 0111 1000 | 4 | 2 | | | | 0021 1121 | 8 | 3 | | | |
| Mean | | 9.0 | 4.9 | | 9.9 | 6.2 | | 12.1 | 7.5 | | 9.8 | 5.2 | | 9.5 | 4.9 | | 9.9 | 5.6 |
| Sum | | 278 | 152 | | 277 | 173 | | 375 | 234 | | 294 | 155 | | 295 | 153 | | 296 | 169 |

2009

| Day | JULY | Sum | Ak | AUGUST | Sum | Ak | SEPTEMBER | Sum | Ak | OCTOBER | Sum | Ak | NOVEMBER | Sum | Ak | DECEMBER | Sum | Ak |
|------|-----------|------|-----|-----------|------|-----|-----------|-----|-----------|-----------|-----|-----|-----------|-----|-----------|-----------|-----|-----|
| 1 | 1211 1111 | 9 | 4 | 1012 2211 | 10 | 4 | 1001 1112 | 7 | 3 | 1111 0001 | 5 | 2 | 2011 0110 | 6 | 2 | 0000 0001 | 1 | 0 |
| 2 | 1111 1101 | 7 | 3 | 1101 1004 | 8 | 5 | 2001 1101 | 6 | 2 | 1110 1000 | 4 | 2 | 0011 0000 | 2 | 1 | 0001 1000 | 2 | 1 |
| 3 | 1111 1112 | 9 | 4 | 3211 2132 | 15 | 8 | 1111 1233 | 13 | 7 | 1001 1010 | 4 | 2 | 0000 1010 | 2 | 1 | 0000 0001 | 1 | 0 |
| 4 | 1211 1112 | 10 | 4 | 0101 1211 | 7 | 3 | 1212 2221 | 13 | 6 | 0102 2111 | 8 | 3 | 0000 0000 | 0 | 0 | 0000 0010 | 1 | 0 |
| 5 | 2111 1133 | 13 | 7 | 2123 3101 | 13 | 7 | 1011 0110 | 5 | 2 | 1101 1101 | 6 | 2 | 0000 0000 | 0 | 0 | 0010 0143 | 9 | 6 |
| 6 | 1111 2122 | 11 | 5 | 1232 3231 | 17 | 9 | 0112 1121 | 9 | 4 | 1011 1001 | 5 | 2 | 0000 0000 | 0 | 0 | 3110 0011 | 7 | 3 |
| 7 | 1102 1210 | 8 | 3 | 2112 1344 | 18 | 12 | 0001 1111 | 5 | 2 | 0001 0111 | 4 | 2 | 0000 0012 | 3 | 1 | 2001 1221 | 9 | 4 |
| 8 | 1011 2112 | 9 | 4 | 2110 2111 | 9 | 4 | 1000 0112 | 5 | 2 | 1000 0013 | 5 | 3 | 1001 3342 | 14 | 9 | 0000 0001 | 1 | 0 |
| 9 | 3101 1223 | 13 | 7 | 2222 2023 | 15 | 7 | 2101 1100 | 6 | 2 | 0011 1121 | 7 | 3 | 1111 0101 | 6 | 2 | 0000 0000 | 0 | 0 |
| 10 | 3212 2213 | 16 | 8 | 3011 1111 | 9 | 4 | 1001 2110 | 6 | 2 | 1000 0011 | 3 | 1 | 1000 0021 | 4 | 2 | 0000 0110 | 2 | 1 |
| 11 | 3111 1011 | 9 | 4 | 1021 1122 | 10 | 4 | 0111 2233 | 13 | 7 | 1132 1112 | 12 | 6 | 0000 0000 | 0 | 0 | 0000 0000 | 0 | 0 |
| 12 | 1001 1001 | 4 | 2 | 2012 3123 | 14 | 7 | 0001 1101 | 4 | 2 | 1000 1010 | 3 | 1 | 0000 0012 | 3 | 1 | 0000 0001 | 1 | 0 |
| 13 | 1002 3344 | 17 | 12 | 3111 2111 | 11 | 5 | 1111 2332 | 14 | 7 | 1011 1122 | 9 | 4 | 1000 0121 | 5 | 2 | 0000 1122 | 6 | 3 |
| 14 | 6522 2132 | 23 | 22 | 2001 0102 | 6 | 3 | 5111 1333 | 18 | 13 | 0000 0000 | 0 | 0 | 1111 1223 | 12 | 6 | 2111 1100 | 7 | 3 |
| 15 | 2112 2201 | 11 | 5 | 2010 1010 | 5 | 2 | 1111 2314 | 14 | 8 | 0011 2343 | 14 | 9 | 3111 2331 | 15 | 8 | 0000 0021 | 3 | 1 |
| 16 | 0000 1011 | 3 | 1 | 0011 0001 | 3 | 1 | 3112 1111 | 11 | 5 | 1102 1000 | 5 | 2 | 0000 0021 | 3 | 1 | 1210 1211 | 9 | 4 |
| 17 | 0000 0000 | 0 | 0 | 1001 1111 | 6 | 2 | 3321 1132 | 16 | 9 | 0000 1000 | 1 | 0 | 1000 0000 | 1 | 0 | 0001 0111 | 4 | 2 |
| 18 | 0110 1000 | 3 | 1 | 0001 1112 | 6 | 2 | 2211 1110 | 9 | 4 | 0000 0100 | 1 | 0 | 0000 0002 | 2 | 1 | 0011 1110 | 5 | 2 |
| 19 | 0000 1000 | 1 | 0 | 1012 4445 | 21 | 18 | 0100 0010 | 2 | 1 | 0010 1110 | 4 | 2 | 1010 0014 | 7 | 5 | 1000 0001 | 2 | 1 |
| 20 | 1112 4411 | 15 | 10 | 4422 2134 | 22 | 15 | 0111 2124 | 12 | 7 | 1000 0000 | 1 | 0 | 3000 0110 | 5 | 3 | 1000 1210 | 5 | 2 |
| 21 | 1101 1121 | 8 | 3 | 1122 3323 | 17 | 9 | 4112 2120 | 13 | 7 | 0000 1100 | 2 | 1 | 4111 1144 | 17 | 12 | 1000 0021 | 4 | 2 |
| 22 | 5754 2342 | 32 | 40 | 2211 1131 | 12 | 6 | 0011 2111 | 7 | 3 | 3213 2156 | 23 | 22 | 3111 1320 | 12 | 6 | 0000 0022 | 4 | 2 |
| 23 | 1132 2333 | 18 | 10 | 1221 1111 | 10 | 4 | 1000 0010 | 2 | 1 | 6313 2111 | 18 | 16 | 0000 0001 | 1 | 0 | 1011 1022 | 8 | 3 |
| 24 | 2122 2212 | 14 | 6 | 1111 1100 | 6 | 2 | 0000 1100 | 2 | 1 | 1011 1265 | 17 | 18 | 0001 2444 | 15 | 11 | 1010 0001 | 3 | 1 |
| 25 | 2202 1111 | 10 | 4 | 1211 1101 | 8 | 3 | 0001 1100 | 3 | 1 | 5211 2110 | 13 | 9 | 3211 1112 | 12 | 6 | 0001 2023 | 8 | 4 |
| 26 | 1101 2110 | 7 | 3 | 1111 1100 | 6 | 2 | 0000 1124 | 8 | 5 | 0011 1222 | 9 | 4 | 2112 2442 | 18 | 11 | 1110 0211 | 7 | 3 |
| 27 | 1101 1111 | 7 | 3 | 1211 2343 | 17 | 10 | 2312 2134 | 18 | 11 | 2101 1020 | 7 | 3 | 0000 0110 | 2 | 1 | 0001 1110 | 4 | 2 |
| 28 | 1111 1101 | 7 | 3 | 1110 0101 | 5 | 2 | 3122 2134 | 18 | 11 | 0001 0111 | 4 | 2 | 0001 0111 | 4 | 2 | 0000 0010 | 1 | 0 |
| 29 | 1011 2100 | 6 | 2 | 0011 1100 | 4 | 2 | 1000 1100 | 3 | 1 | 0011 1133 | 5 | 2 | 0000 0000 | 0 | 0 | 0000 0000 | 0 | 0 |
| 30 | 1012 1110 | 7 | 3 | 1123 3655 | 26 | 27 | 1111 2122 | 11 | 5 | 3323 2221 | 18 | 10 | 1001 0000 | 2 | 1 | 0000 0000 | 0 | 0 |
| 31 | 0122 3212 | 13 | 6 | 3121 2131 | 14 | 7 | | | 1001 1122 | 8 | 3 | | | | 0000 0010 | 1 | 0 | |
| Mean | | 10.3 | 6.1 | | 11.3 | 6.3 | | 9.1 | 4.7 | | 7.4 | 4.5 | | 5.8 | 3.2 | | 3.7 | 1.6 |
| Sum | | 320 | 189 | | 350 | 196 | | 273 | 141 | | 230 | 139 | | 173 | 95 | | 115 | 50 |

Ak annual mean 5.1

BARTELS DIAGRAM 2009 (K(HD))

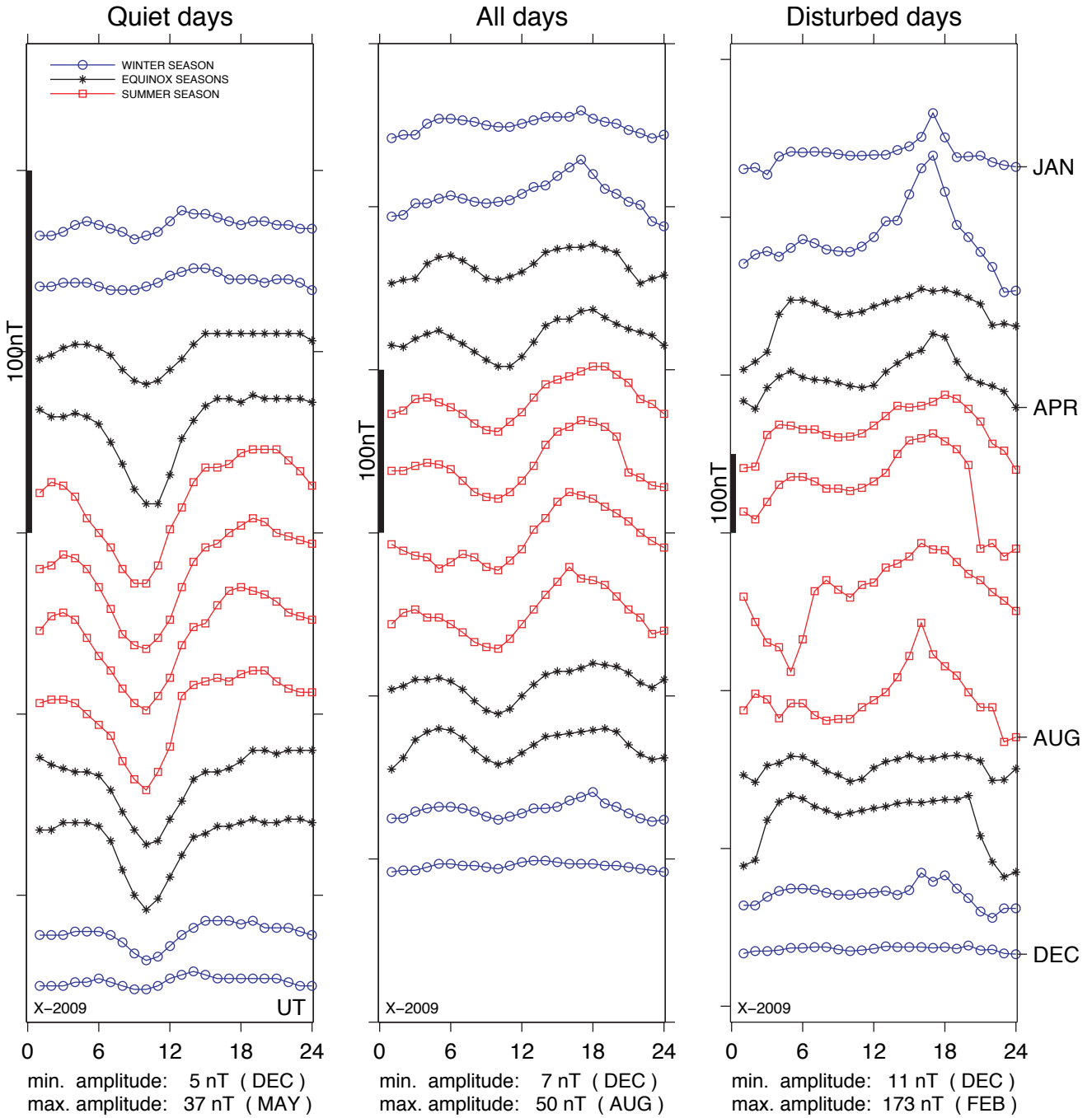


MONTHLY AND ANNUAL MEANS 2009

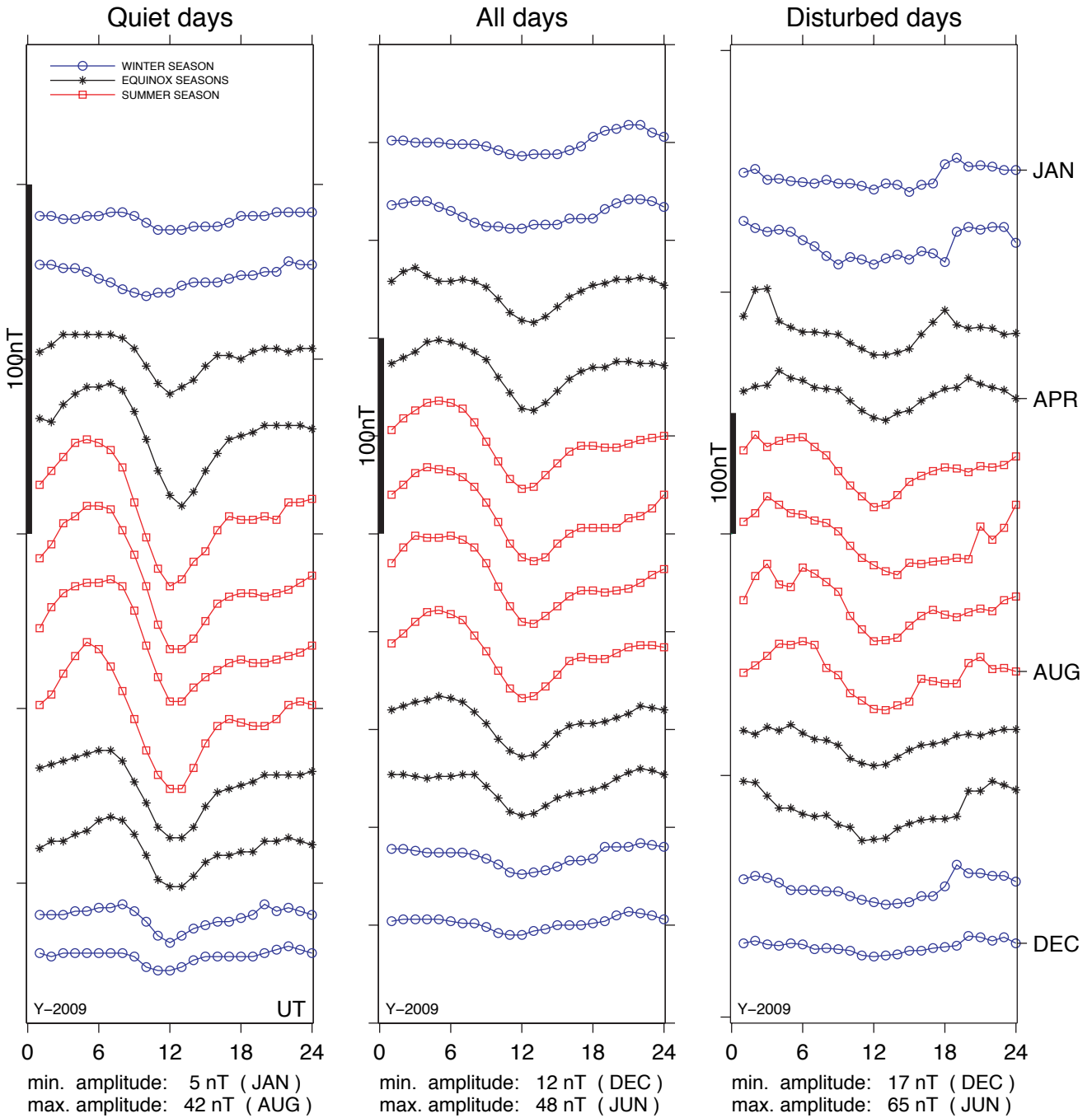
| SODANKYLÄ | MONTHLY AND ANNUAL MEANS | | | | | | ALL DAYS 2009 | |
|-----------|--------------------------|-------|---------|-------|-------|------|-----------------------|--|
| | Z | H | D | F | X | Y | I | |
| JANUARY | 51350 | 11586 | 10 1.5 | 52641 | 11409 | 2017 | 77 17.1 | |
| FEBRUARY | 51350 | 11587 | 10 1.9 | 52642 | 11410 | 2019 | 77 17.0 | |
| MARCH | 51349 | 11583 | 10 3.2 | 52639 | 11405 | 2022 | 77 17.3 | |
| APRIL | 51353 | 11585 | 10 3.6 | 52644 | 11407 | 2024 | 77 17.2 | |
| MAY | 51355 | 11587 | 10 4.6 | 52646 | 11408 | 2027 | 77 17.2 | |
| JUNE | 51358 | 11587 | 10 5.7 | 52649 | 11408 | 2031 | 77 17.2 | |
| JULY | 51362 | 11584 | 10 7.0 | 52652 | 11404 | 2035 | 77 17.4 | |
| AUGUST | 51367 | 11583 | 10 8.0 | 52656 | 11403 | 2038 | 77 17.5 | |
| SEPTEMBER | 51370 | 11580 | 10 8.7 | 52659 | 11399 | 2040 | 77 17.8 | |
| OCTOBER | 51373 | 11575 | 10 10.3 | 52661 | 11393 | 2044 | 77 18.2 | |
| NOVEMBER | 51377 | 11579 | 10 11.0 | 52666 | 11397 | 2047 | 77 17.9 | |
| DECEMBER | 51379 | 11580 | 10 11.5 | 52668 | 11398 | 2049 | 77 17.9 | |
| WINTER | 51364 | 11583 | 10 6.5 | 52654 | 11403 | 2033 | 77 17.5 | |
| EQUINOX | 51361 | 11581 | 10 6.5 | 52651 | 11401 | 2032 | 77 17.6 | |
| SUMMER | 51361 | 11585 | 10 6.3 | 52651 | 11406 | 2033 | 77 17.3 | |
| YEAR | 51362 | 11583 | 10 6.4 | 52652 | 11403 | 2033 | 77 17.5 | |
| SODANKYLÄ | MONTHLY AND ANNUAL MEANS | | | | | | 5 QUIET DAYS 2009 | |
| | Z | H | D | F | X | Y | I | |
| JANUARY | 51350 | 11588 | 10 1.2 | 52642 | 11411 | 2016 | 77 17.0 | |
| FEBRUARY | 51352 | 11587 | 10 1.9 | 52643 | 11409 | 2018 | 77 17.1 | |
| MARCH | 51352 | 11586 | 10 2.6 | 52643 | 11409 | 2020 | 77 17.1 | |
| APRIL | 51356 | 11587 | 10 3.3 | 52647 | 11409 | 2023 | 77 17.1 | |
| MAY | 51357 | 11587 | 10 4.7 | 52648 | 11408 | 2028 | 77 17.2 | |
| JUNE | 51360 | 11591 | 10 5.7 | 52652 | 11412 | 2032 | 77 16.9 | |
| JULY | 51365 | 11586 | 10 7.0 | 52655 | 11406 | 2035 | 77 17.3 | |
| AUGUST | 51368 | 11585 | 10 7.7 | 52658 | 11404 | 2037 | 77 17.5 | |
| SEPTEMBER | 51373 | 11578 | 10 9.0 | 52661 | 11397 | 2040 | 77 17.9 | |
| OCTOBER | 51373 | 11579 | 10 9.8 | 52662 | 11397 | 2043 | 77 17.9 | |
| NOVEMBER | 51377 | 11580 | 10 11.0 | 52665 | 11397 | 2047 | 77 17.9 | |
| DECEMBER | 51378 | 11581 | 10 11.5 | 52667 | 11398 | 2049 | 77 17.8 | |
| WINTER | 51364 | 11584 | 10 6.4 | 52654 | 11404 | 2033 | 77 17.5 | |
| EQUINOX | 51364 | 11583 | 10 6.2 | 52653 | 11403 | 2032 | 77 17.5 | |
| SUMMER | 51362 | 11587 | 10 6.3 | 52653 | 11408 | 2033 | 77 17.2 | |
| YEAR | 51363 | 11585 | 10 6.3 | 52654 | 11405 | 2032 | 77 17.4 | |
| SODANKYLÄ | MONTHLY AND ANNUAL MEANS | | | | | | 5 DISTURBED DAYS 2009 | |
| | Z | H | D | F | X | Y | I | |
| JANUARY | 51351 | 11588 | 10 1.2 | 52642 | 11411 | 2016 | 77 17.0 | |
| FEBRUARY | 51348 | 11595 | 10 1.1 | 52641 | 11418 | 2017 | 77 16.5 | |
| MARCH | 51340 | 11575 | 10 4.4 | 52629 | 11396 | 2025 | 77 17.7 | |
| APRIL | 51349 | 11579 | 10 4.1 | 52638 | 11401 | 2024 | 77 17.5 | |
| MAY | 51347 | 11580 | 10 5.1 | 52636 | 11401 | 2028 | 77 17.5 | |
| JUNE | 51356 | 11572 | 10 7.2 | 52643 | 11392 | 2033 | 77 18.1 | |
| JULY | 51350 | 11571 | 10 8.2 | 52637 | 11391 | 2037 | 77 18.0 | |
| AUGUST | 51368 | 11585 | 10 8.1 | 52658 | 11404 | 2039 | 77 17.4 | |
| SEPTEMBER | 51366 | 11575 | 10 9.1 | 52655 | 11394 | 2040 | 77 18.0 | |
| OCTOBER | 51370 | 11559 | 10 12.3 | 52655 | 11376 | 2048 | 77 19.1 | |
| NOVEMBER | 51375 | 11578 | 10 11.7 | 52664 | 11395 | 2049 | 77 18.0 | |
| DECEMBER | 51379 | 11581 | 10 11.2 | 52668 | 11398 | 2048 | 77 17.9 | |
| WINTER | 51363 | 11585 | 10 6.3 | 52654 | 11406 | 2033 | 77 17.4 | |
| EQUINOX | 51356 | 11572 | 10 7.5 | 52644 | 11392 | 2034 | 77 18.1 | |
| SUMMER | 51355 | 11577 | 10 7.1 | 52644 | 11397 | 2034 | 77 17.8 | |
| YEAR | 51358 | 11578 | 10 7.0 | 52647 | 11398 | 2034 | 77 17.7 | |

DAILY VARIATION

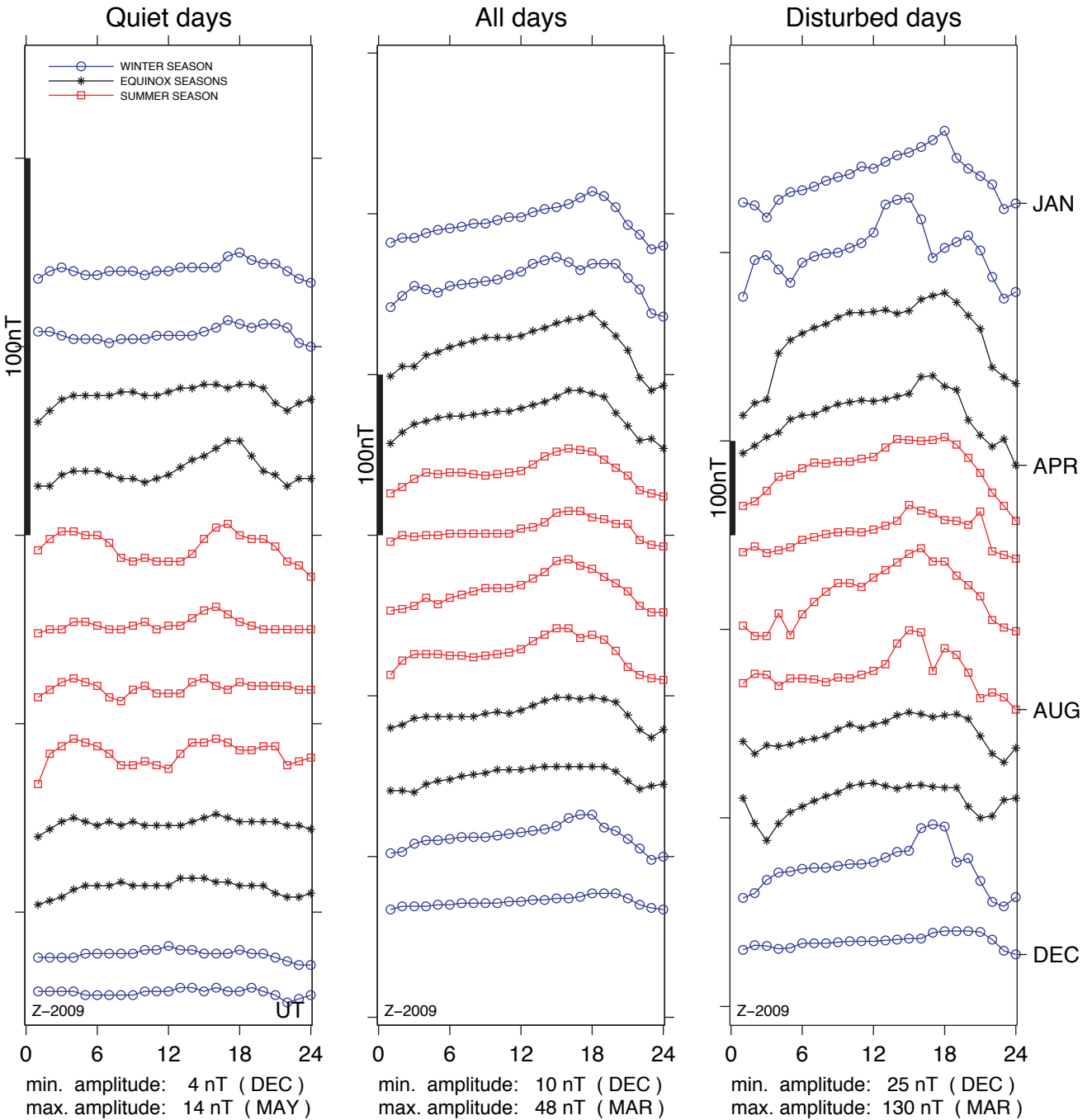
Hourly means minus monthly means 2009
North component (X)



DAILY VARIATION
Hourly means minus monthly means 2009
East component (Y)



DAILY VARIATION
Hourly means minus monthly means 2009
Vertical component (Z)



SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

NORTH COMPONENT X IN NT

JANUARY 2009

X = 11000 + TABULAR VALUES

| DAY/ UT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN | |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--|
| 1 D | 399 | 403 | 403 | 407 | 403 | 405 | 410 | 403 | 406 | 410 | 406 | 404 | 403 | 406 | 407 | 404 | 409 | 408 | 405 | 406 | 404 | 401 | 394 | 403 | 405 | |
| 2 | 406 | 407 | 409 | 412 | 414 | 413 | 411 | 410 | 409 | 409 | 409 | 406 | 406 | 408 | 404 | 407 | 407 | 400 | 409 | 396 | 395 | 342 | 299 | 368 | 398 | |
| 3 D | 371 | 379 | 379 | 403 | 415 | 415 | 420 | 422 | 422 | 406 | 402 | 408 | 412 | 412 | 414 | 414 | 416 | 414 | 413 | 411 | 408 | 409 | 387 | 387 | 406 | |
| 4 | 401 | 404 | 406 | 411 | 411 | 412 | 412 | 411 | 409 | 409 | 405 | 405 | 410 | 409 | 406 | 406 | 402 | 405 | 407 | 403 | 409 | 408 | 406 | 402 | 407 | |
| 5 | 399 | 407 | 409 | 410 | 414 | 414 | 413 | 410 | 405 | 405 | 405 | 408 | 413 | 414 | 412 | 402 | 401 | 411 | 419 | 409 | 398 | 402 | 393 | 408 | 408 | |
| 6 | 409 | 406 | 398 | 406 | 416 | 415 | 414 | 410 | 407 | 405 | 403 | 410 | 408 | 408 | 406 | 400 | 401 | 406 | 407 | 406 | 407 | 408 | 409 | 409 | 407 | |
| 7 | 409 | 407 | 407 | 409 | 414 | 413 | 415 | 413 | 410 | 410 | 411 | 412 | 414 | 414 | 412 | 411 | 407 | 404 | 408 | 409 | 409 | 409 | 409 | 408 | 410 | |
| 8 | 407 | 411 | 411 | 412 | 414 | 415 | 416 | 416 | 411 | 409 | 410 | 417 | 418 | 418 | 419 | 413 | 412 | 416 | 414 | 411 | 412 | 410 | 398 | 404 | 412 | |
| 9 | 411 | 411 | 411 | 413 | 411 | 410 | 410 | 407 | 403 | 406 | 409 | 412 | 412 | 415 | 420 | 417 | 419 | 417 | 417 | 428 | 409 | 412 | 412 | 405 | 412 | |
| 10 | 397 | 345 | 387 | 409 | 417 | 421 | 415 | 413 | 410 | 407 | 408 | 414 | 418 | 418 | 416 | 414 | 411 | 410 | 409 | 407 | 406 | 408 | 407 | 403 | 407 | |
| 11 Q | 402 | 405 | 410 | 415 | 414 | 413 | 411 | 409 | 406 | 407 | 407 | 413 | 414 | 415 | 414 | 413 | 410 | 409 | 408 | 408 | 406 | 403 | 406 | 408 | 409 | |
| 12 Q | 407 | 407 | 407 | 409 | 410 | 409 | 408 | 407 | 405 | 405 | 407 | 410 | 413 | 413 | 413 | 413 | 413 | 413 | 414 | 412 | 410 | 411 | 413 | 411 | 410 | |
| 13 | 410 | 409 | 408 | 409 | 416 | 423 | 419 | 413 | 414 | 411 | 411 | 414 | 418 | 420 | 419 | 417 | 417 | 414 | 414 | 421 | 413 | 412 | 402 | 405 | 414 | |
| 14 | 406 | 405 | 403 | 411 | 413 | 414 | 416 | 419 | 418 | 413 | 405 | 407 | 405 | 415 | 406 | 406 | 404 | 402 | 408 | 398 | 393 | 389 | 384 | 375 | 405 | |
| 15 | 381 | 392 | 400 | 406 | 412 | 415 | 414 | 413 | 410 | 407 | 407 | 412 | 412 | 416 | 416 | 415 | 415 | 419 | 442 | 422 | 396 | 376 | 377 | 402 | 407 | |
| 16 | 396 | 406 | 408 | 413 | 411 | 412 | 411 | 411 | 407 | 405 | 404 | 407 | 413 | 413 | 413 | 408 | 408 | 409 | 410 | 409 | 410 | 410 | 408 | 408 | 409 | |
| 17 | 409 | 409 | 409 | 408 | 409 | 409 | 408 | 411 | 410 | 408 | 406 | 408 | 413 | 413 | 412 | 413 | 412 | 413 | 411 | 415 | 411 | 412 | 408 | 409 | 410 | |
| 18 | 406 | 403 | 404 | 407 | 408 | 409 | 409 | 409 | 411 | 411 | 411 | 412 | 413 | 414 | 413 | 411 | 410 | 411 | 409 | 413 | 415 | 415 | 413 | 409 | 410 | |
| 19 D | 411 | 392 | 306 | 393 | 413 | 413 | 411 | 411 | 410 | 410 | 410 | 412 | 417 | 417 | 417 | 416 | 447 | 411 | 414 | 416 | 385 | 397 | 383 | 406 | 406 | |
| 20 | 351 | 397 | 406 | 407 | 410 | 410 | 408 | 408 | 407 | 406 | 407 | 409 | 412 | 412 | 412 | 412 | 411 | 410 | 410 | 412 | 409 | 397 | 404 | 409 | 406 | |
| 21 | 407 | 407 | 408 | 409 | 410 | 411 | 411 | 411 | 410 | 407 | 411 | 413 | 413 | 411 | 408 | 408 | 400 | 403 | 412 | 400 | 395 | 395 | 399 | 407 | 407 | |
| 22 Q | 410 | 408 | 409 | 410 | 410 | 410 | 410 | 407 | 406 | 407 | 409 | 414 | 418 | 417 | 417 | 415 | 412 | 406 | 411 | 413 | 414 | 413 | 412 | 412 | 411 | |
| 23 Q | 411 | 411 | 410 | 411 | 412 | 412 | 412 | 411 | 409 | 409 | 409 | 412 | 415 | 414 | 415 | 413 | 411 | 410 | 410 | 410 | 411 | 413 | 408 | 409 | 411 | |
| 24 Q | 410 | 409 | 408 | 410 | 416 | 413 | 411 | 411 | 410 | 411 | 410 | 411 | 413 | 413 | 413 | 412 | 412 | 412 | 415 | 415 | 416 | 415 | 413 | 411 | 410 | |
| 25 | 407 | 414 | 415 | 415 | 417 | 415 | 412 | 410 | 410 | 412 | 414 | 414 | 414 | 410 | 408 | 409 | 410 | 411 | 412 | 413 | 412 | 410 | 409 | 400 | 411 | |
| 26 D | 364 | 385 | 421 | 422 | 422 | 417 | 414 | 416 | 406 | 403 | 410 | 410 | 414 | 443 | 457 | 527 | 667 | 486 | 401 | 404 | 406 | 405 | 404 | 405 | 430 | |
| 27 | 405 | 406 | 408 | 408 | 408 | 410 | 408 | 405 | 404 | 405 | 407 | 408 | 409 | 406 | 405 | 403 | 402 | 403 | 403 | 402 | 359 | 407 | 410 | 411 | 404 | |
| 28 | 410 | 410 | 411 | 411 | 411 | 410 | 408 | 406 | 406 | 405 | 406 | 406 | 411 | 413 | 413 | 411 | 410 | 409 | 409 | 408 | 408 | 413 | 412 | 411 | 410 | |
| 29 | 411 | 412 | 414 | 416 | 414 | 415 | 416 | 407 | 409 | 406 | 402 | 408 | 412 | 410 | 411 | 411 | 409 | 411 | 411 | 412 | 411 | 409 | 409 | 408 | 411 | |
| 30 | 408 | 409 | 408 | 410 | 412 | 410 | 411 | 408 | 411 | 413 | 411 | 413 | 414 | 414 | 414 | 412 | 413 | 409 | 405 | 404 | 407 | 413 | 415 | 408 | 410 | |
| 31 D | 413 | 413 | 415 | 417 | 417 | 417 | 417 | 412 | 410 | 414 | 415 | 414 | 402 | 401 | 408 | 403 | 406 | 405 | 411 | 405 | 405 | 405 | 397 | 409 | 409 | |
| MEANS | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALL | 401 | 403 | 404 | 410 | 413 | 413 | 412 | 411 | 409 | 408 | 408 | 410 | 412 | 414 | 414 | 414 | 418 | 413 | 411 | 410 | 406 | 404 | 401 | 403 | 409 | |
| QUIET | 408 | 408 | 409 | 411 | 412 | 411 | 410 | 409 | 407 | 408 | 409 | 412 | 415 | 415 | 414 | 413 | 412 | 411 | 412 | 412 | 411 | 411 | 410 | 410 | 411 | |
| DIST. | 392 | 395 | 385 | 408 | 414 | 413 | 414 | 413 | 411 | 409 | 408 | 410 | 410 | 416 | 421 | 433 | 463 | 432 | 407 | 408 | 409 | 401 | 397 | 395 | 411 | |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

NORTH COMPONENT X IN NT

FEBRUARY 2009

X = 11000 + TABULAR VALUES

| DAY/ UT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|-----|-----|-----|-----|-----|-----|------|
| 1 | 407 | 407 | 407 | 405 | 400 | 410 | 411 | 408 | 407 | 406 | 403 | 408 | 410 | 410 | 410 | 408 | 409 | 409 | 410 | 408 | 409 | 410 | 409 | 408 | 408 |
| 2 Q | 408 | 409 | 408 | 407 | 408 | 408 | 407 | 408 | 411 | 413 | 414 | 414 | 414 | 413 | 411 | 410 | 410 | 408 | 410 | 409 | 410 | 411 | 411 | 409 | 410 |
| 3 | 409 | 410 | 410 | 411 | 411 | 411 | 410 | 408 | 410 | 415 | 419 | 420 | 420 | 419 | 418 | 416 | 414 | 413 | 412 | 408 | 413 | 434 | 344 | 333 | 408 |
| 4 D | 392 | 435 | 420 | 421 | 419 | 420 | 414 | 406 | 409 | 414 | 413 | 403 | 417 | 456 | 594 | 780 | 963 | 759 | 566 | 456 | 389 | 343 | 318 | 290 | 471 |
| 5 | 317 | 293 | 396 | 413 | 407 | 404 | 403 | 399 | 396 | 404 | 401 | 407 | 407 | 412 | 414 | 410 | 409 | 408 | 406 | 408 | 410 | 408 | 383 | 397 | 396 |
| 6 | 384 | 369 | 403 | 408 | 414 | 414 | 411 | 408 | 406 | 405 | 404 | 406 | 408 | 410 | 409 | 408 | 408 | 409 | 409 | 408 | 408 | 408 | 407 | 409 | 406 |
| 7 | 409 | 409 | 408 | 407 | 403 | 412 | 416 | 414 | 412 | 411 | 412 | 412 | 411 | 411 | 411 | 412 | 411 | 410 | 411 | 411 | 412 | 410 | 410 | 408 | 410 |
| 8 Q | 410 | 410 | 411 | 411 | 409 | 409 | 411 | 413 | 412 | 412 | 412 | 413 | 413 | 412 | 411 | 411 | 409 | 409 | 409 | 410 | 412 | 411 | 409 | 405 | 411 |
| 9 | 392 | 406 | 411 | 413 | 412 | 411 | 410 | 409 | 411 | 412 | 413 | 414 | 415 | 412 | 410 | 409 | 408 | 407 | 409 | 410 | 408 | 409 | 402 | 410 | 409 |
| 10 Q | 409 | 409 | 411 | 412 | 415 | 415 | 413 | 413 | 412 | 412 | 414 | 415 | 414 | 417 | 416 | 418 | 415 | 415 | 416 | 414 | 412 | 409 | 409 | 407 | 413 |
| 11 | 406 | 407 | 411 | 415 | 417 | 416 | 414 | 415 | 413 | 416 | 415 | 413 | 412 | 411 | 413 | 414 | 416 | 416 | 408 | 409 | 407 | 408 | 412 | 411 | 412 |
| 12 | 411 | 410 | 409 | 409 | 408 | 411 | 410 | 411 | 411 | 413 | 415 | 412 | 404 | 403 | 408 | 413 | 408 | 406 | 408 | 405 | 407 | 407 | 408 | 407 | 409 |
| 13 | 407 | 409 | 409 | 410 | 410 | 410 | 412 | 411 | 412 | 412 | 414 | 415 | 416 | 414 | 412 | 412 | 413 | 404 | 408 | 412 | 410 | 413 | 416 | 412 | 411 |
| 14 D | 412 | 413 | 419 | 423 | 427 | 421 | 405 | 388 | 389 | 395 | 409 | 440 | 479 | 468 | 514 | 490 | 413 | 398 | 393 | 401 | 396 | 389 | 248 | 256 | 408 |
| 15 D | 361 | 336 | 369 | 350 | 371 | 412 | 408 | 404 | 401 | 404 | 412 | 423 | 436 | 439 | 435 | 439 | 414 | 402 | 405 | 405 | 403 | 387 | 400 | 401 | 401 |
| 16 | 397 | 395 | 405 | 405 | 404 | 403 | 404 | 406 | 408 | 413 | 412 | 411 | 409 | 410 | 412 | 406 | 414 | 422 | 411 | 410 | 409 | 413 | 405 | 403 | 408 |
| 17 Q | 404 | 404 | 404 | 404 | 403 | 402 | 402 | 400 | 400 | 402 | 404 | 407 | 409 | 410 | 411 | 410 | 408 | 408 | 409 | 408 | 409 | 408 | 407 | 404 | 406 |
| 18 | 386 | 398 | 408 | 409 | 412 | 413 | 411 | 410 | 409 | 409 | 411 | 408 | 409 | 407 | 408 | 411 | 409 | 410 | 408 | 406 | 411 | 409 | 407 | 410 | 408 |
| 19 Q | 411 | 410 | 410 | 409 | 409 | 407 | 404 | 403 | 401 | 401 | 402 | 408 | 410 | 413 | 415 | 412 | 406 | 408 | 407 | 406 | 409 | 412 | 410 | 410 | 408 |
| 20 | 411 | 410 | 408 | 410 | 414 | 414 | 412 | 412 | 412 | 412 | 412 | 409 | 410 | 410 | 408 | 411 | 410</ | | | | | | | | |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

NORTH COMPONENT X IN NT

MARCH 2009

X = 11000 + TABULAR VALUES

| DAY/ UT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN | | |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|
| 1 | 407 | 401 | 394 | 406 | 412 | 415 | 410 | 408 | 404 | 402 | 404 | 407 | 412 | 414 | 415 | 414 | 413 | 410 | 405 | 407 | 409 | 410 | 410 | 410 | 408 | | |
| 2 Q | 410 | 410 | 409 | 408 | 406 | 406 | 405 | 403 | 401 | 402 | 403 | 404 | 406 | 412 | 412 | 412 | 411 | 409 | 411 | 411 | 412 | 413 | 413 | 412 | 408 | | |
| 3 | 411 | 410 | 410 | 411 | 411 | 411 | 414 | 414 | 404 | 405 | 410 | 403 | 410 | 415 | 416 | 414 | 422 | 409 | 420 | 407 | 410 | 391 | 322 | 413 | 407 | | |
| 4 | 411 | 411 | 408 | 391 | 395 | 407 | 410 | 406 | 404 | 406 | 404 | 405 | 410 | 419 | 416 | 416 | 419 | 419 | 425 | 420 | 397 | 396 | 378 | 407 | | | |
| 5 | 419 | 408 | 406 | 399 | 408 | 413 | 408 | 405 | 401 | 400 | 404 | 405 | 408 | 413 | 414 | 413 | 413 | 411 | 410 | 408 | 410 | 410 | 409 | 404 | 409 | | |
| 6 Q | 393 | 399 | 410 | 416 | 413 | 410 | 406 | 403 | 403 | 401 | 401 | 404 | 406 | 411 | 413 | 415 | 411 | 412 | 414 | 416 | 414 | 412 | 411 | 411 | 409 | | |
| 7 Q | 409 | 408 | 408 | 407 | 409 | 408 | 407 | 403 | 398 | 396 | 401 | 405 | 409 | 413 | 414 | 415 | 416 | 416 | 414 | 411 | 413 | 415 | 412 | 408 | 409 | | |
| 8 D | 383 | 385 | 397 | 414 | 419 | 417 | 416 | 407 | 389 | 382 | 401 | 415 | 411 | 410 | 426 | 406 | 413 | 420 | 407 | 409 | 409 | 408 | 408 | 404 | 407 | | |
| 9 Q | 407 | 407 | 408 | 408 | 406 | 405 | 404 | 400 | 395 | 395 | 399 | 402 | 406 | 409 | 413 | 409 | 411 | 410 | 410 | 409 | 410 | 410 | 410 | 410 | 406 | | |
| 10 | 410 | 407 | 406 | 408 | 408 | 407 | 404 | 402 | 398 | 396 | 398 | 398 | 405 | 417 | 419 | 417 | 411 | 410 | 406 | 411 | 411 | 414 | 416 | 413 | 408 | | |
| 11 | 411 | 408 | 410 | 414 | 414 | 413 | 411 | 403 | 396 | 392 | 393 | 399 | 408 | 418 | 417 | 412 | 415 | 415 | 421 | 416 | 409 | 400 | 348 | 389 | 405 | | |
| 12 | 410 | 399 | 365 | 383 | 411 | 407 | 406 | 400 | 398 | 398 | 400 | 403 | 410 | 417 | 419 | 420 | 419 | 420 | 421 | 424 | 426 | 423 | 415 | 306 | 404 | | |
| 13 D | 155 | 163 | 175 | 387 | 419 | 418 | 404 | 382 | 382 | 406 | 403 | 414 | 420 | 425 | 429 | 475 | 430 | 448 | 450 | 432 | 388 | 282 | 340 | 393 | 376 | | |
| 14 D | 389 | 364 | 396 | 412 | 410 | 408 | 401 | 401 | 400 | 401 | 397 | 394 | 401 | 410 | 408 | 423 | 450 | 428 | 424 | 415 | 413 | 399 | 364 | 306 | 401 | | |
| 15 D | 343 | 379 | 392 | 415 | 412 | 407 | 412 | 408 | 398 | 396 | 390 | 400 | 409 | 407 | 408 | 412 | 411 | 413 | 410 | 409 | 410 | 412 | 406 | 375 | 401 | | |
| 16 | 370 | 387 | 408 | 409 | 407 | 407 | 410 | 409 | 405 | 402 | 405 | 400 | 399 | 407 | 410 | 410 | 414 | 417 | 412 | 412 | 416 | 416 | 414 | 413 | 407 | | |
| 17 | 406 | 405 | 409 | 412 | 412 | 411 | 409 | 407 | 401 | 396 | 396 | 396 | 403 | 410 | 416 | 416 | 414 | 412 | 416 | 417 | 407 | 414 | 413 | 405 | 408 | | |
| 18 Q | 409 | 410 | 411 | 411 | 414 | 414 | 414 | 407 | 402 | 400 | 397 | 399 | 401 | 406 | 411 | 413 | 415 | 418 | 418 | 420 | 418 | 417 | 418 | 416 | 411 | | |
| 19 | 411 | 408 | 419 | 417 | 416 | 415 | 412 | 402 | 390 | 386 | 392 | 405 | 406 | 409 | 414 | 414 | 415 | 416 | 415 | 414 | 422 | 414 | 416 | 410 | 410 | | |
| 20 | 402 | 413 | 415 | 414 | 414 | 413 | 410 | 403 | 401 | 398 | 399 | 403 | 413 | 417 | 420 | 424 | 426 | 423 | 416 | 412 | 408 | 409 | 418 | 416 | 412 | | |
| 21 | 415 | 414 | 415 | 417 | 421 | 419 | 414 | 406 | 399 | 398 | 407 | 413 | 431 | 449 | 424 | 414 | 410 | 406 | 406 | 383 | 154 | 69 | 296 | 402 | 383 | | |
| 22 | 412 | 411 | 400 | 384 | 400 | 410 | 407 | 400 | 396 | 394 | 392 | 399 | 401 | 409 | 411 | 409 | 409 | 409 | 411 | 410 | 413 | 379 | 386 | 402 | 402 | | |
| 23 | 402 | 398 | 400 | 412 | 411 | 408 | 401 | 395 | 393 | 393 | 392 | 397 | 404 | 408 | 413 | 413 | 414 | 413 | 417 | 417 | 417 | 416 | 415 | 414 | 407 | | |
| 24 | 415 | 415 | 415 | 405 | 387 | 404 | 401 | 378 | 377 | 385 | 390 | 392 | 406 | 437 | 434 | 418 | 409 | 413 | 411 | 411 | 414 | 412 | 379 | 377 | 404 | | |
| 25 D | 350 | 380 | 368 | 344 | 398 | 409 | 405 | 402 | 395 | 389 | 396 | 398 | 404 | 411 | 413 | 415 | 412 | 416 | 415 | 410 | 414 | 399 | 394 | 417 | 398 | | |
| 26 | 408 | 403 | 397 | 410 | 412 | 400 | 402 | 397 | 400 | 394 | 394 | 399 | 399 | 417 | 408 | 410 | 412 | 420 | 420 | 412 | 411 | 411 | 401 | 400 | 406 | | |
| 27 | 408 | 412 | 413 | 413 | 414 | 414 | 412 | 405 | 396 | 389 | 387 | 391 | 398 | 412 | 422 | 421 | 426 | 476 | 391 | 410 | 404 | 412 | 407 | 392 | 409 | | |
| 28 | 407 | 410 | 411 | 414 | 417 | 412 | 404 | 397 | 392 | 389 | 385 | 392 | 406 | 408 | 410 | 411 | 415 | 418 | 418 | 384 | 409 | 415 | 419 | 407 | 410 | | |
| 29 | 413 | 416 | 415 | 414 | 414 | 413 | 407 | 405 | 397 | 392 | 390 | 391 | 397 | 405 | 409 | 413 | 418 | 416 | 417 | 417 | 419 | 418 | 416 | 417 | 410 | | |
| 30 | 418 | 414 | 413 | 414 | 414 | 413 | 412 | 409 | 403 | 398 | 397 | 395 | 397 | 405 | 413 | 407 | 413 | 415 | 415 | 424 | 419 | 420 | 415 | 413 | 411 | | |
| 31 | 412 | 412 | 412 | 412 | 415 | 416 | 413 | 407 | 398 | 391 | 395 | 395 | 404 | 404 | 410 | 413 | 414 | 413 | 415 | 417 | 416 | 416 | 416 | 415 | 410 | | |
| MEANS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALL | 394 | 396 | 397 | 406 | 410 | 411 | 408 | 403 | 398 | 396 | 398 | 401 | 406 | 413 | 415 | 416 | 416 | 413 | 413 | 413 | 415 | 413 | 403 | 394 | 397 | 399 | 405 |
| QUIET | 406 | 407 | 409 | 410 | 409 | 408 | 407 | 403 | 400 | 399 | 400 | 403 | 406 | 410 | 413 | 413 | 413 | 413 | 413 | 413 | 413 | 413 | 413 | 413 | 411 | 409 | |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

NORTH COMPONENT X IN NT

APRIL 2009

X = 11000 + TABULAR VALUES

| DAY/ UT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 1 | 413 | 416 | 415 | 415 | 414 | 413 | 412 | 409 | 402 | 396 | 387 | 386 | 395 | 406 | 413 | 414 | 412 | 413 | 416 | 420 | 426 | 415 | 415 | 407 | 410 |
| 2 Q | 417 | 418 | 417 | 417 | 418 | 417 | 411 | 404 | 396 | 391 | 388 | 393 | 405 | 411 | 418 | 416 | 418 | 414 | 414 | 408 | 410 | 414 | 418 | 417 | 410 |
| 3 | 415 | 416 | 416 | 416 | 415 | 413 | 408 | 401 | 396 | 392 | 389 | 392 | 400 | 411 | 418 | 411 | 421 | 423 | 412 | 413 | 413 | 411 | 414 | 412 | 409 |
| 4 Q | 411 | 410 | 410 | 412 | 413 | 412 | 407 | 399 | 394 | 391 | 390 | 395 | 406 | 411 | 416 | 417 | 415 | 417 | 421 | 422 | 421 | 420 | 421 | 418 | 410 |
| 5 | 416 | 411 | 411 | 412 | 416 | 412 | 404 | 400 | 391 | 391 | 389 | 398 | 410 | 417 | 417 | 414 | 415 | 419 | 411 | 412 | 418 | 416 | 414 | 412 | 410 |
| 6 | 409 | 412 | 412 | 412 | 412 | 411 | 406 | 398 | 389 | 385 | 387 | 396 | 403 | 416 | 423 | 421 | 414 | 416 | 419 | 420 | 418 | 417 | 417 | 417 | 410 |
| 7 Q | 416 | 416 | 415 | 413 | 413 | 410 | 405 | 399 | 390 | 386 | 386 | 395 | 408 | 411 | 414 | 418 | 420 | 416 | 417 | 415 | 414 | 414 | 415 | 415 | 409 |
| 8 | 416 | 416 | 415 | 415 | 416 | 414 | 409 | 399 | 387 | 385 | 387 | 394 | 408 | 423 | 420 | 418 | 418 | 425 | 426 | 422 | 404 | 408 | 423 | 422 | 411 |
| 9 D | 420 | 414 | 383 | 404 | 408 | 405 | 395 | 402 | 401 | 386 | 378 | 378 | 399 | 412 | 430 | 462 | 537 | 531 | 416 | 376 | 414 | 353 | 306 | 356 | 407 |
| 10 D | 399 | 394 | 388 | 392 | 411 | 409 | 405 | 398 | 384 | 384 | 386 | 386 | 410 | 424 | 425 | 413 | 420 | 440 | 433 | 380 | 419 | 418 | 409 | 366 | 404 |
| 11 D | 317 | 215 | 361 | 409 | 414 | 407 | 403 | 395 | 393 | 391 | 391 | 395 | 409 | 424 | 446 | 453 | 464 | 431 | 410 | 408 | 398 | 382 | 395 | 315 | 393 |
| 12 D | 298 | 367 | 389 | 401 | 412 | 406 | 403 | 396 | 391 | 388 | 388 | 398 | 409 | 414 | 416 | 414 | 423 | 431 | 426 | 424 | 321 | 382 | 396 | 361 | 394 |
| 13 | 357 | 387 | 404 | 413 | 410 | 411 | 409 | 402 | 394 | 386 | 383 | 389 | 400 | 408 | 412 | 414 | 416 | 419 | 414 | 411 | 409 | 412 | 407 | 404 | 403 |
| 14 | 404 | 408 | 408 | 408 | 409 | 406 | 405 | 400 | 392 | 383 | 382 | 389 | 401 | 406 | 410 | 412 | 412 | 415 | 418 | 419 | 414 | 408 | 397 | 384 | 404 |
| 15 | 376 | 373 | 397 | 414 | 413 | 410 | 405 | 400 | 393 | 386 | 387 | 395 | 395 | 405 | 407 | 413 | 416 | 420 | 420 | 422 | 411 | 407 | 406 | 407 | 403 |
| 16 | 406 | 404 | 400 | 408 | 408 | 407 | 402 | 397 | 392 | 393 | 391 | 402 | 412 | 413 | 433 | 401 | 415 | 416 | 421 | 422 | 421 | 418 | 405 | 378 | 407 |
| 17 | 401 | 411 | 414 | 416 | 417 | 412 | 408 | 397 | 391 | 387 | 393 | 404 | 386 | 416 | 418 | 416 | 421 | 424 | 415 | 414 | 416 | 404 | 416 | 415 | 409 |
| 18 D | 414 | 412 | 413 | 397 | 372 | 379 | 388 | 396 | 396 | 394 | 395 | 406 | 415 | 421 | 429 | 433 | 423 | 417 | 412 | 411 | 411 | 410 | 406 | 412 | 406 |
| 19 | 407 | 401 | 397 | 389 | 395 | 407 | 400 | 395 | 391 | 391 | 390 | 394 | 399 | 410 | 411 | 416 | 420 | 423 | 413 | 419 | 417 | 402 | 409 | 405 | 405 |
| 20 | 411 | 405 | 399 | 411 | 410 | 402 | 396 | 397 | 393 | 390 | 390 | 390 | 405 | 415 | 407 | 409 | 416 | 422 | 419 | 416 | 417 | 414 | 416 | 415 | 407 |
| 21 | 413 | 412 | 414 | 411 | 407 | 405 | 401 | 396 | 395 | 384 | 389 | 397 | 407 | 413 | 410</ | | | | | | | | | | |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

NORTH COMPONENT X IN NT

MAY 2009

X = 11000 + TABULAR VALUES

| DAY/ UT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN | | |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|--|
| 1 | 417 | 416 | 413 | 410 | 407 | 405 | 400 | 391 | 388 | 380 | 382 | 389 | 407 | 411 | 420 | 414 | 417 | 422 | 419 | 417 | 415 | 418 | 413 | 411 | 408 | | |
| 2 | 413 | 409 | 406 | 408 | 410 | 410 | 405 | 403 | 397 | 395 | 395 | 398 | 407 | 401 | 413 | 419 | 423 | 424 | 426 | 427 | 423 | 423 | 419 | 405 | 411 | | |
| 3 | 392 | 415 | 420 | 419 | 416 | 410 | 402 | 395 | 392 | 388 | 395 | 399 | 405 | 408 | 413 | 419 | 421 | 422 | 423 | 421 | 419 | 420 | 418 | 416 | 410 | | |
| 4 | 417 | 415 | 412 | 410 | 409 | 407 | 403 | 394 | 388 | 393 | 398 | 404 | 412 | 409 | 414 | 412 | 418 | 419 | 417 | 419 | 417 | 415 | 413 | 414 | 410 | | |
| 5 | Q | 413 | 414 | 414 | 412 | 406 | 404 | 401 | 396 | 393 | 395 | 400 | 399 | 402 | 409 | 416 | 407 | 414 | 421 | 425 | 427 | 427 | 424 | 422 | 411 | | |
| 6 | D | 423 | 416 | 404 | 405 | 410 | 412 | 407 | 394 | 384 | 386 | 392 | 403 | 421 | 430 | 412 | 413 | 437 | 457 | 435 | 423 | 412 | 411 | 352 | 236 | 403 | |
| 7 | D | 315 | 358 | 390 | 400 | 399 | 396 | 398 | 393 | 384 | 384 | 395 | 401 | 413 | 430 | 438 | 448 | 446 | 434 | 432 | 432 | 418 | 326 | 338 | 297 | 394 | |
| 8 | D | 181 | 159 | 342 | 407 | 403 | 377 | 387 | 387 | 402 | 395 | 396 | 411 | 436 | 451 | 444 | 433 | 430 | 437 | 440 | 425 | 385 | 363 | 368 | 414 | 386 | |
| 9 | | 417 | 413 | 411 | 409 | 406 | 404 | 401 | 392 | 386 | 386 | 397 | 393 | 407 | 432 | 433 | 436 | 435 | 416 | 418 | 415 | 408 | 393 | 394 | 371 | 407 | |
| 10 | | 373 | 385 | 398 | 408 | 409 | 404 | 398 | 390 | 387 | 387 | 392 | 407 | 422 | 447 | 441 | 420 | 411 | 417 | 421 | 417 | 416 | 400 | 413 | 409 | 407 | |
| 11 | | 379 | 372 | 397 | 412 | 406 | 398 | 396 | 391 | 388 | 386 | 398 | 413 | 414 | 437 | 419 | 418 | 433 | 433 | 424 | 418 | 413 | 407 | 405 | 405 | 407 | |
| 12 | Q | 403 | 406 | 406 | 406 | 401 | 396 | 394 | 389 | 385 | 383 | 384 | 397 | 407 | 415 | 424 | 426 | 425 | 422 | 421 | 421 | 423 | 421 | 412 | 404 | 407 | |
| 13 | | 403 | 406 | 410 | 410 | 403 | 399 | 396 | 390 | 380 | 379 | 380 | 390 | 403 | 407 | 411 | 423 | 426 | 423 | 423 | 421 | 417 | 414 | 416 | 418 | 406 | |
| 14 | D | 417 | 414 | 411 | 402 | 404 | 407 | 406 | 394 | 388 | 390 | 387 | 403 | 392 | 414 | 415 | 416 | 434 | 464 | 463 | 429 | 414 | 392 | 392 | 381 | 410 | |
| 15 | | 406 | 412 | 418 | 411 | 411 | 408 | 407 | 402 | 399 | 390 | 387 | 386 | 393 | 402 | 415 | 422 | 423 | 426 | 423 | 419 | 417 | 415 | 415 | 414 | 409 | |
| 16 | | 412 | 417 | 417 | 414 | 410 | 407 | 403 | 395 | 391 | 390 | 398 | 392 | 392 | 401 | 415 | 419 | 424 | 429 | 431 | 430 | 419 | 405 | 389 | 393 | 408 | |
| 17 | Q | 400 | 408 | 408 | 405 | 403 | 400 | 395 | 388 | 382 | 385 | 390 | 399 | 402 | 405 | 404 | 406 | 409 | 415 | 419 | 418 | 416 | 414 | 415 | 413 | 404 | |
| 18 | | 409 | 405 | 401 | 401 | 402 | 405 | 402 | 396 | 392 | 392 | 397 | 402 | 408 | 410 | 414 | 419 | 422 | 422 | 425 | 428 | 424 | 424 | 415 | 405 | 409 | |
| 19 | | 401 | 407 | 408 | 408 | 402 | 407 | 401 | 391 | 385 | 385 | 392 | 397 | 396 | 397 | 405 | 418 | 419 | 422 | 425 | 425 | 413 | 413 | 413 | 409 | 406 | |
| 20 | | 412 | 419 | 424 | 417 | 414 | 409 | 401 | 392 | 384 | 384 | 385 | 399 | 409 | 419 | 424 | 427 | 418 | 415 | 423 | 426 | 428 | 428 | 425 | 424 | 413 | |
| 21 | | 427 | 422 | 420 | 415 | 409 | 405 | 398 | 392 | 392 | 395 | 410 | 415 | 410 | 398 | 407 | 408 | 414 | 422 | 425 | 425 | 425 | 421 | 420 | 418 | 412 | |
| 22 | | 419 | 417 | 418 | 415 | 409 | 402 | 400 | 397 | 396 | 390 | 412 | 414 | 433 | 426 | 440 | 427 | 442 | 444 | 432 | 420 | 419 | 417 | 414 | 414 | 417 | |
| 23 | | 415 | 416 | 413 | 409 | 405 | 397 | 387 | 383 | 378 | 382 | 390 | 398 | 406 | 419 | 422 | 420 | 433 | 449 | 440 | 431 | 416 | 380 | 385 | 411 | 408 | |
| 24 | | 400 | 409 | 414 | 407 | 397 | 392 | 395 | 387 | 378 | 386 | 402 | 406 | 417 | 416 | 412 | 421 | 418 | 423 | 431 | 427 | 424 | 413 | 413 | 412 | 408 | |
| 25 | Q | 417 | 418 | 415 | 411 | 405 | 400 | 391 | 383 | 377 | 374 | 386 | 408 | 416 | 422 | 423 | 421 | 417 | 419 | 422 | 422 | 424 | 420 | 415 | 406 | 409 | |
| 26 | | 416 | 421 | 421 | 416 | 408 | 400 | 394 | 391 | 392 | 391 | 392 | 403 | 409 | 418 | 421 | 427 | 426 | 428 | 428 | 427 | 423 | 419 | 414 | 413 | 412 | |
| 27 | Q | 417 | 417 | 415 | 409 | 400 | 396 | 394 | 390 | 388 | 387 | 391 | 397 | 405 | 413 | 419 | 424 | 427 | 429 | 425 | 423 | 421 | 417 | 416 | 413 | 410 | |
| 28 | D | 416 | 415 | 413 | 410 | 405 | 401 | 395 | 391 | 387 | 394 | 400 | 402 | 419 | 418 | 427 | 433 | 422 | 425 | 418 | 416 | 415 | 412 | 410 | 411 | 411 | |
| 29 | | 410 | 410 | 407 | 412 | 406 | 407 | 407 | 401 | 394 | 392 | 399 | 403 | 433 | 447 | 442 | 445 | 447 | 421 | 422 | 415 | 412 | 405 | 404 | 399 | 414 | |
| 30 | | 399 | 406 | 398 | 393 | 409 | 409 | 408 | 401 | 392 | 393 | 389 | 395 | 397 | 405 | 408 | 417 | 425 | 433 | 441 | 428 | 422 | 419 | 416 | 417 | 409 | |
| 31 | | 415 | 413 | 415 | 417 | 416 | 412 | 407 | 396 | 397 | 391 | 394 | 390 | 392 | 398 | 407 | 415 | 429 | 441 | 438 | 429 | 421 | 417 | 406 | 403 | 411 | |
| MEANS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALL | 398 | 401 | 408 | 409 | 407 | 403 | 399 | 393 | 389 | 388 | 394 | 400 | 409 | 417 | 420 | 422 | 425 | 428 | 428 | 423 | 418 | 408 | 405 | 399 | 408 | 408 | |
| QUIET | 410 | 413 | 412 | 409 | 403 | 399 | 395 | 389 | 385 | 385 | 390 | 400 | 406 | 413 | 417 | 417 | 418 | 421 | 422 | 422 | 422 | 419 | 416 | 412 | 408 | 408 | |
| DIST. | 350 | 352 | 392 | 405 | 404 | 399 | 399 | 392 | 389 | 390 | 394 | 404 | 416 | 428 | 427 | 429 | 434 | 443 | 437 | 425 | 409 | 381 | 372 | 348 | 401 | 401 | |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

NORTH COMPONENT X IN NT

JUNE 2009

X = 11000 + TABULAR VALUES

| DAY/ UT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN | |
|---------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|
| 1 | Q | 408 | 414 | 416 | 418 | 417 | 416 | 407 | 395 | 390 | 386 | 389 | 400 | 413 | 416 | 420 | 421 | 419 | 424 | 427 | 425 | 421 | 419 | 416 | 417 | 412 |
| 2 | | 414 | 413 | 415 | 411 | 409 | 400 | 395 | 389 | 386 | 384 | 383 | 393 | 406 | 421 | 417 | 417 | 420 | 420 | 425 | 423 | 422 | 421 | 417 | 413 | 409 |
| 3 | | 409 | 411 | 414 | 411 | 407 | 405 | 399 | 391 | 383 | 388 | 396 | 410 | 416 | 427 | 434 | 426 | 434 | 438 | 437 | 440 | 426 | 411 | 410 | 416 | 414 |
| 4 | | 416 | 414 | 407 | 404 | 392 | 400 | 402 | 394 | 388 | 391 | 394 | 408 | 413 | 422 | 431 | 439 | 443 | 441 | 432 | 418 | 405 | 385 | 366 | 324 | 405 |
| 5 | | 389 | 407 | 406 | 406 | 404 | 398 | 392 | 392 | 390 | 397 | 383 | 392 | 419 | 446 | 469 | 467 | 426 | 427 | 423 | 416 | 413 | 412 | 407 | 408 | 412 |
| 6 | | 409 | 417 | 408 | 402 | 396 | 395 | 400 | 395 | 389 | 389 | 391 | 405 | 409 | 417 | 416 | 417 | 423 | 424 | 426 | 423 | 413 | 406 | 411 | 410 | 408 |
| 7 | | 411 | 413 | 413 | 412 | 411 | 406 | 398 | 394 | 394 | 395 | 407 | 402 | 410 | 422 | 431 | 427 | 418 | 431 | 438 | 430 | 423 | 411 | 402 | 401 | 412 |
| 8 | | 408 | 406 | 408 | 410 | 408 | 404 | 397 | 386 | 377 | 376 | 385 | 391 | 401 | 414 | 420 | 425 | 423 | 426 | 429 | 426 | 418 | 411 | 409 | 407 | 407 |
| 9 | Q | 408 | 412 | 415 | 413 | 409 | 403 | 397 | 394 | 392 | 392 | 395 | 396 | 407 | 415 | 420 | 414 | 428 | 433 | 435 | 431 | 426 | 424 | 422 | 420 | 413 |
| 10 | | 420 | 422 | 421 | 418 | 416 | 412 | 399 | 384 | 378 | 384 | 390 | 391 | 407 | 423 | 426 | 442 | 444 | 431 | 430 | 428 | 425 | 421 | 417 | 416 | 414 |
| 11 | | 414 | 414 | 414 | 414 | 409 | 403 | 399 | 395 | 392 | 389 | 391 | 394 | 408 | 417 | 419 | 427 | 428 | 435 | 433 | 432 | 428 | 422 | 419 | 419 | 413 |
| 12 | Q | 415 | 414 | 418 | 418 | 413 | 405 | 399 | 391 | 389 | 391 | 395 | 398 | 406 | 417 | 418 | 423 | 426 | 429 | 429 | 425 | 423 | 420 | 420 | 413 | 413 |
| 13 | | 422 | 421 | 419 | 417 | 414 | 407 | 395 | 386 | 383 | 384 | 386 | 387 | 398 | 414 | 421 | 430 | 446 | 441 | 434 | 431 | 417 | 406 | 406 | 409 | 411 |
| 14 | | 420 | 423 | 422 | 419 | 411 | 404 | 396 | 393 | 392 | 392 | 397 | 388 | 409 | 416 | 440 | 425 | 437 | 444 | 443 | 434 | 420 | 416 | 407 | 420 | 415 |
| 15 | | 426 | 420 | 410 | 406 | 401 | 406 | 399 | 395 | 388 | 386 | 392 | 396 | 398 | 402 | 411 | 413 | 417 | 421 | 424 | 424 | 416 | 411 | 414 | 414 | 409 |
| 16 | | 415 | 416 | 415 | 415 | 413 | 412 | 408 | 399 | 393 | 387 | 389 | 394 | 409 | 418 | 411 | 413 | 420 | 418 | 422 | 421 | 422 | 421 | 421 | 420 | 411 |
| 17 | Q | 419 | 417 | 416 | 414 | 410 | 405 | 402 | 399 | 398 | 391 | 390 | 398 | 396 | 407 | 412 | 415 | 420 | 421 | 422 | 426 | 425 | 423 | 422 | 420 | 411 |
| 18 | | 417 | 414 | 414 | 412 | 406 | 402 | 403 | 400 | 393 | 385 | 386 | 391 | 400 | 406 | 414 | 421 | 440 | 426 | 429 | 421 | 423 | 419 | 414 | 411 | 410 |
| 19 | | 414 | 415 | 418 | 414 | 410 | 403 | 394 | 387 | 382 | 385 | 399 | 407 | 406 | 412 | 418 | 423 | 426 | 424 | 425 | 426 | 424 | 422 | 420 | 419 | 411 |
| 20 | | 418 | 418 | 417 | | | | | | | | | | | | | | | | | | | | | | |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

NORTH COMPONENT X IN NT JULY 2009 X = 11000 + TABULAR VALUES

| DAY/ UT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN | | |
|---------|-------|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--|--|
| 1 | 409 | 408 | 397 | 390 | 407 | 406 | 397 | 390 | 386 | 384 | 386 | 395 | 401 | 414 | 412 | 419 | 421 | 426 | 420 | 417 | 414 | 410 | 406 | 405 | 405 | | |
| 2 | Q 398 | 408 | 407 | 403 | 399 | 396 | 394 | 390 | 384 | 386 | 396 | 400 | 412 | 423 | 416 | 415 | 412 | 413 | 412 | 415 | 415 | 411 | 407 | 412 | 405 | | |
| 3 | 408 | 411 | 413 | 409 | 401 | 396 | 393 | 387 | 382 | 389 | 406 | 419 | 416 | 419 | 415 | 407 | 409 | 411 | 415 | 418 | 420 | 411 | 405 | 396 | 407 | | |
| 4 | 395 | 397 | 396 | 400 | 404 | 402 | 398 | 397 | 392 | 391 | 396 | 403 | 409 | 412 | 413 | 432 | 435 | 439 | 432 | 425 | 422 | 422 | 415 | 418 | 410 | | |
| 5 | 420 | 417 | 406 | 398 | 400 | 403 | 402 | 396 | 389 | 386 | 393 | 399 | 405 | 406 | 412 | 417 | 421 | 427 | 435 | 437 | 430 | 416 | 418 | 418 | 411 | | |
| 6 | 420 | 419 | 410 | 400 | 402 | 396 | 397 | 398 | 397 | 391 | 392 | 399 | 410 | 419 | 420 | 412 | 428 | 429 | 426 | 424 | 412 | 398 | 401 | 398 | 408 | | |
| 7 | 395 | 394 | 400 | 411 | 405 | 395 | 388 | 378 | 379 | 385 | 385 | 394 | 408 | 421 | 442 | 451 | 433 | 443 | 436 | 429 | 422 | 418 | 418 | 416 | 410 | | |
| 8 | 420 | 417 | 412 | 404 | 399 | 397 | 396 | 388 | 388 | 385 | 392 | 405 | 422 | 431 | 440 | 445 | 443 | 433 | 428 | 426 | 421 | 404 | 391 | 389 | 411 | | |
| 9 | 375 | 380 | 409 | 412 | 401 | 395 | 389 | 383 | 380 | 386 | 385 | 394 | 408 | 411 | 413 | 420 | 429 | 437 | 454 | 449 | 433 | 421 | 407 | 402 | 407 | | |
| 10 | D 390 | 414 | 427 | 421 | 412 | 411 | 403 | 402 | 394 | 393 | 399 | 398 | 413 | 410 | 420 | 426 | 418 | 428 | 428 | 423 | 417 | 408 | 388 | 372 | 409 | | |
| 11 | 395 | 402 | 406 | 412 | 408 | 398 | 391 | 385 | 379 | 384 | 382 | 395 | 407 | 418 | 420 | 422 | 422 | 421 | 421 | 422 | 418 | 414 | 412 | 409 | 406 | | |
| 12 | 409 | 410 | 408 | 406 | 401 | 395 | 388 | 383 | 387 | 391 | 394 | 398 | 399 | 412 | 413 | 429 | 432 | 429 | 427 | 425 | 421 | 416 | 408 | 406 | 408 | | |
| 13 | D 399 | 403 | 406 | 412 | 408 | 404 | 398 | 394 | 394 | 393 | 388 | 398 | 433 | 453 | 466 | 474 | 446 | 486 | 428 | 434 | 386 | 385 | 350 | 312 | 410 | | |
| 14 | D 358 | 195 | 142 | 350 | 409 | 421 | 407 | 402 | 397 | 395 | 403 | 408 | 440 | 444 | 451 | 441 | 442 | 427 | 418 | 418 | 413 | 380 | 382 | 377 | 388 | | |
| 15 | 389 | 400 | 399 | 401 | 404 | 399 | 398 | 401 | 394 | 394 | 393 | 397 | 402 | 414 | 445 | 442 | 429 | 420 | 415 | 414 | 411 | 408 | 401 | 404 | 407 | | |
| 16 | 404 | 401 | 406 | 408 | 402 | 396 | 389 | 389 | 387 | 383 | 379 | 387 | 400 | 408 | 420 | 424 | 423 | 420 | 419 | 416 | 412 | 409 | 405 | 406 | 404 | | |
| 17 | Q 412 | 414 | 415 | 411 | 403 | 398 | 394 | 390 | 389 | 387 | 389 | 395 | 397 | 401 | 406 | 414 | 419 | 421 | 419 | 416 | 415 | 413 | 412 | 411 | 406 | | |
| 18 | Q 411 | 413 | 415 | 413 | 407 | 403 | 401 | 398 | 396 | 390 | 396 | 405 | 410 | 409 | 407 | 412 | 420 | 421 | 421 | 420 | 418 | 417 | 416 | 415 | 410 | | |
| 19 | Q 414 | 416 | 417 | 415 | 411 | 405 | 398 | 391 | 384 | 381 | 386 | 391 | 397 | 403 | 407 | 412 | 419 | 422 | 423 | 422 | 418 | 414 | 414 | 411 | 407 | | |
| 20 | 410 | 414 | 420 | 420 | 417 | 407 | 401 | 395 | 388 | 377 | 390 | 408 | 436 | 459 | 524 | 533 | 473 | 435 | 404 | 404 | 403 | 403 | 404 | 403 | 422 | | |
| 21 | 409 | 410 | 413 | 412 | 407 | 404 | 400 | 390 | 383 | 383 | 386 | 398 | 415 | 426 | 440 | 440 | 444 | 443 | 436 | 433 | 430 | 408 | 399 | 390 | 412 | | |
| 22 | D 378 | 344 | 253 | 20 | -167 | 38 | 369 | 444 | 384 | 355 | 412 | 413 | 412 | 409 | 407 | 453 | 457 | 442 | 436 | 374 | 401 | 385 | 381 | 376 | 341 | | |
| 23 | D 397 | 403 | 401 | 397 | 382 | 378 | 376 | 383 | 394 | 381 | 391 | 395 | 407 | 414 | 432 | 466 | 456 | 430 | 430 | 418 | 407 | 394 | 396 | 393 | 405 | | |
| 24 | 402 | 388 | 402 | 417 | 410 | 398 | 389 | 381 | 378 | 373 | 385 | 392 | 398 | 411 | 450 | 456 | 445 | 435 | 416 | 407 | 405 | 408 | 395 | 379 | 405 | | |
| 25 | 377 | 379 | 375 | 392 | 401 | 406 | 395 | 390 | 383 | 379 | 377 | 392 | 407 | 412 | 406 | 421 | 427 | 426 | 416 | 417 | 405 | 402 | 404 | 402 | 400 | | |
| 26 | Q 399 | 405 | 407 | 408 | 404 | 400 | 393 | 387 | 384 | 380 | 376 | 378 | 397 | 404 | 411 | 416 | 420 | 418 | 417 | 412 | 408 | 407 | 405 | 401 | 402 | | |
| 27 | 401 | 396 | 406 | 407 | 407 | 398 | 390 | 383 | 376 | 375 | 382 | 377 | 401 | 408 | 418 | 419 | 420 | 416 | 420 | 419 | 410 | 401 | 398 | 401 | 401 | | |
| 28 | 402 | 400 | 392 | 392 | 401 | 403 | 399 | 392 | 385 | 387 | 391 | 398 | 399 | 410 | 414 | 410 | 414 | 410 | 413 | 412 | 409 | 407 | 402 | 405 | 401 | | |
| 29 | 405 | 403 | 401 | 398 | 398 | 395 | 392 | 390 | 386 | 387 | 384 | 389 | 393 | 398 | 411 | 414 | 421 | 417 | 416 | 413 | 410 | 409 | 410 | 407 | 402 | | |
| 30 | 405 | 405 | 406 | 407 | 404 | 403 | 401 | 396 | 391 | 393 | 390 | 389 | 395 | 405 | 414 | 417 | 437 | 438 | 434 | 422 | 418 | 417 | 414 | 412 | 409 | | |
| 31 | 409 | 409 | 408 | 406 | 402 | 398 | 386 | 377 | 365 | 366 | 381 | 396 | 420 | 420 | 450 | 430 | 417 | 411 | 412 | 411 | 404 | 395 | 386 | 395 | 402 | | |
| MEANS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALL | 400 | 396 | 393 | 392 | 386 | 388 | 394 | 392 | 386 | 384 | 390 | 397 | 409 | 416 | 426 | 432 | 430 | 428 | 423 | 419 | 414 | 407 | 402 | 398 | 404 | | |
| QUIET | 407 | 411 | 412 | 410 | 405 | 400 | 396 | 391 | 387 | 385 | 389 | 394 | 403 | 408 | 410 | 414 | 418 | 419 | 418 | 417 | 415 | 412 | 411 | 410 | 406 | | |
| DIST. | 384 | 352 | 326 | 320 | 289 | 330 | 390 | 405 | 393 | 383 | 399 | 402 | 421 | 426 | 435 | 452 | 444 | 443 | 428 | 413 | 405 | 390 | 379 | 366 | 391 | | |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

NORTH COMPONENT X IN NT AUGUST 2009 X = 11000 + TABULAR VALUES

| DAY/ UT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN | |
|---------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|
| 1 | 402 | 403 | 401 | 402 | 396 | 391 | 388 | 382 | 382 | 385 | 385 | 400 | 395 | 401 | 418 | 426 | 432 | 422 | 414 | 413 | 411 | 409 | 403 | 401 | 403 | |
| 2 | 405 | 410 | 410 | 405 | 398 | 396 | 390 | 383 | 381 | 382 | 394 | 402 | 407 | 409 | 412 | 412 | 413 | 411 | 414 | 414 | 415 | 420 | 401 | 361 | 402 | |
| 3 | 368 | 353 | 376 | 408 | 407 | 393 | 381 | 386 | 389 | 390 | 391 | 409 | 402 | 406 | 408 | 411 | 413 | 418 | 422 | 420 | 382 | 407 | 406 | 408 | 398 | |
| 4 | 408 | 407 | 408 | 408 | 405 | 403 | 404 | 397 | 386 | 386 | 391 | 398 | 397 | 412 | 417 | 418 | 411 | 416 | 423 | 419 | 408 | 407 | 406 | 401 | 406 | |
| 5 | 384 | 391 | 412 | 409 | 406 | 398 | 390 | 383 | 373 | 373 | 381 | 398 | 411 | 416 | 414 | 412 | 416 | 419 | 424 | 424 | 422 | 419 | 419 | 420 | 405 | |
| 6 | D 419 | 426 | 420 | 407 | 391 | 392 | 355 | 363 | 381 | 387 | 378 | 389 | 391 | 408 | 449 | 434 | 430 | 442 | 432 | 423 | 398 | 405 | 394 | 384 | 404 | |
| 7 | 392 | 402 | 399 | 386 | 402 | 401 | 388 | 380 | 379 | 387 | 390 | 387 | 397 | 404 | 415 | 418 | 418 | 429 | 433 | 434 | 382 | 286 | 245 | 349 | 388 | |
| 8 | 391 | 405 | 407 | 405 | 410 | 401 | 396 | 388 | 381 | 379 | 385 | 392 | 401 | 411 | 414 | 416 | 416 | 415 | 414 | 418 | 415 | 412 | 412 | 413 | 404 | |
| 9 | 414 | 413 | 413 | 398 | 381 | 375 | 383 | 380 | 382 | 386 | 391 | 395 | 408 | 415 | 420 | 417 | 417 | 413 | 418 | 414 | 403 | 393 | 401 | 387 | 401 | |
| 10 | 365 | 398 | 409 | 406 | 402 | 398 | 393 | 381 | 376 | 376 | 380 | 385 | 399 | 406 | 415 | 417 | 413 | 418 | 414 | 418 | 417 | 415 | 414 | 411 | 401 | |
| 11 | 412 | 410 | 411 | 408 | 405 | 397 | 392 | 388 | 389 | 389 | 393 | 399 | 405 | 416 | 418 | 418 | 433 | 429 | 430 | 423 | 414 | 397 | 399 | 401 | 407 | |
| 12 | 405 | 410 | 414 | 412 | 403 | 400 | 396 | 393 | 381 | 383 | 393 | 396 | 399 | 415 | 415 | 422 | 423 | 427 | 419 | 414 | 414 | 391 | 364 | 341 | 401 | |
| 13 | 372 | 391 | 404 | 408 | 400 | 390 | 382 | 381 | 388 | 391 | 390 | 395 | 403 | 415 | 412 | 414 | 421 | 420 | 418 | 419 | 417 | 410 | 404 | 399 | 402 | |
| 14 | 400 | 404 | 406 | 408 | 405 | 402 | 388 | 379 | 372 | 374 | 386 | 398 | 403 | 415 | 419 | 416 | 406 | 409 | 411 | 413 | 409 | 408 | 408 | 402 | 402 | |
| 15 | Q 405 | 413 | 412 | 406 | 402 | 399 | 394 | 390 | 383 | 382 | 386 | 391 | 406 | 414 | 419 | 417 | 415 | 415 | 417 | 412 | 410 | 410 | 408 | 407 | 405 | |
| 16 | Q 407 | 404 | 405 | 406 | 403 | 398 | 394 | 387 | 381 | 382 | 392 | 396 | 412 | 413 | 410 | 405 | 406 | 413 | 415 | 418 | 415 | 410 | 409 | 411 | 404 | |
| 17 | Q 410 | 409 | 408 | 404 | 401 | 401 | 399 | 394 | 389 | 386 | 388 | 397 | 410 | 407 | 410 | 416 | 416 | 420 | 423 | 421 | 414 | 408 | 410 | 408 | 406 | |
| 18 | 410 | 413 | 415 | 410 | 405 | 399 | 396 | 388 | 379 | 375 | 380 | 387 | 398 | 402 | 412 | 419 | 415 | 414 | 414 | 414 | 412 | 416 | 404 | 407 | 405 | 403 |
| 19 | D 411 | 410 | 411 | 409 | 405 | 403 | 397 | 390 | 388 | 390 | 407 | 426 | 437 | 464 | 541 | 586 | 547 | 465 | 477 | 498 | 401 | 388 | 373 | 268 | 429 | |
| 20 | D 298 | 404 | 372 | 263 | 390 | 404 | 393 | 378 | 379 | 380 | 391 | 382 | 406 | 420 | 415 | 404 | 405 | 413 | 420 | 417 | 416 | 399 | 351 | 405 | 388 | |
| 21 | D 404 | 396 | 393 | 398 | 395 | 393 | 385 | 377 | 367 | 377 | 390 | 399 | 4 | | | | | | | | | | | | | |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

NORTH COMPONENT X IN NT

SEPTEMBER 2009

X = 11000 + TABULAR VALUES

| DAY/ UT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN | | |
|---------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--|--|
| 1 | 405 | 405 | 406 | 405 | 403 | 399 | 393 | 386 | 380 | 381 | 385 | 394 | 400 | 406 | 406 | 412 | 408 | 407 | 410 | 412 | 410 | 408 | 409 | 400 | 401 | | |
| 2 | 395 | 399 | 402 | 403 | 402 | 396 | 390 | 384 | 383 | 385 | 390 | 398 | 405 | 410 | 415 | 410 | 408 | 408 | 407 | 407 | 407 | 405 | 404 | 401 | 401 | | |
| 3 | 404 | 407 | 408 | 408 | 402 | 395 | 386 | 375 | 374 | 376 | 383 | 390 | 402 | 412 | 408 | 411 | 415 | 426 | 418 | 422 | 410 | 405 | 406 | 411 | 402 | | |
| 4 | D 407 | 403 | 403 | 403 | 413 | 404 | 395 | 385 | 387 | 369 | 380 | 389 | 403 | 414 | 409 | 411 | 408 | 410 | 410 | 406 | 406 | 407 | 404 | 402 | 401 | | |
| 5 | 402 | 396 | 399 | 401 | 396 | 390 | 388 | 383 | 380 | 382 | 385 | 393 | 400 | 407 | 409 | 408 | 407 | 406 | 409 | 408 | 406 | 409 | 408 | 407 | 399 | | |
| 6 | 405 | 405 | 405 | 402 | 397 | 394 | 393 | 386 | 378 | 381 | 383 | 388 | 399 | 409 | 404 | 406 | 406 | 408 | 413 | 414 | 412 | 409 | 410 | 406 | 400 | | |
| 7 | 405 | 403 | 402 | 401 | 402 | 400 | 394 | 383 | 376 | 373 | 373 | 382 | 392 | 407 | 409 | 407 | 405 | 406 | 411 | 412 | 410 | 409 | 407 | 403 | 399 | | |
| 8 | 405 | 405 | 404 | 402 | 398 | 398 | 394 | 388 | 384 | 385 | 386 | 392 | 400 | 403 | 405 | 412 | 411 | 413 | 415 | 413 | 409 | 408 | 409 | 399 | 402 | | |
| 9 | 388 | 404 | 406 | 405 | 403 | 400 | 395 | 387 | 382 | 379 | 383 | 391 | 398 | 403 | 407 | 407 | 408 | 408 | 409 | 409 | 409 | 410 | 409 | 407 | 400 | | |
| 10 | 405 | 403 | 403 | 404 | 401 | 398 | 395 | 389 | 382 | 382 | 386 | 391 | 392 | 400 | 403 | 409 | 411 | 412 | 401 | 407 | 409 | 411 | 409 | 409 | 400 | | |
| 11 | 408 | 407 | 406 | 403 | 402 | 401 | 397 | 391 | 385 | 385 | 388 | 396 | 412 | 418 | 422 | 416 | 416 | 413 | 415 | 397 | 388 | 404 | 412 | 410 | 404 | | |
| 12 | 408 | 407 | 405 | 402 | 396 | 393 | 393 | 391 | 387 | 382 | 384 | 389 | 396 | 406 | 405 | 403 | 402 | 405 | 408 | 407 | 407 | 408 | 407 | 406 | 400 | | |
| 13 | 406 | 405 | 397 | 397 | 402 | 404 | 398 | 391 | 389 | 387 | 390 | 395 | 398 | 417 | 414 | 415 | 458 | 484 | 448 | 419 | 402 | 405 | 405 | 388 | 409 | | |
| 14 | 276 | 372 | 403 | 403 | 400 | 399 | 398 | 394 | 385 | 382 | 381 | 399 | 402 | 408 | 407 | 410 | 426 | 423 | 420 | 431 | 411 | 397 | 377 | 400 | 396 | | |
| 15 | 408 | 407 | 406 | 403 | 401 | 394 | 392 | 384 | 376 | 384 | 390 | 404 | 410 | 428 | 421 | 416 | 400 | 404 | 403 | 406 | 405 | 399 | 340 | 361 | 398 | | |
| 16 | 394 | 401 | 405 | 403 | 404 | 400 | 392 | 381 | 371 | 380 | 388 | 400 | 397 | 397 | 398 | 398 | 399 | 410 | 411 | 407 | 406 | 409 | 411 | 409 | 399 | | |
| 17 | D 393 | 371 | 368 | 385 | 405 | 401 | 392 | 386 | 384 | 387 | 388 | 398 | 404 | 405 | 403 | 409 | 409 | 407 | 407 | 407 | 395 | 402 | 401 | 401 | 396 | | |
| 18 | 400 | 384 | 378 | 396 | 404 | 401 | 394 | 389 | 383 | 385 | 385 | 393 | 405 | 405 | 404 | 407 | 403 | 404 | 406 | 405 | 405 | 405 | 404 | 404 | 398 | | |
| 19 | Q 404 | 405 | 405 | 403 | 401 | 397 | 390 | 380 | 375 | 376 | 381 | 390 | 397 | 401 | 403 | 400 | 401 | 403 | 404 | 405 | 408 | 410 | 409 | 408 | 398 | | |
| 20 | 406 | 405 | 404 | 405 | 405 | 404 | 399 | 392 | 387 | 381 | 381 | 393 | 403 | 403 | 402 | 407 | 410 | 411 | 415 | 415 | 415 | 383 | 398 | 411 | 401 | | |
| 21 | D 360 | 330 | 397 | 408 | 407 | 402 | 395 | 387 | 376 | 362 | 370 | 395 | 416 | 403 | 415 | 398 | 400 | 406 | 404 | 400 | 399 | 398 | 398 | 397 | 393 | | |
| 22 | 397 | 397 | 400 | 401 | 400 | 398 | 394 | 388 | 381 | 380 | 384 | 389 | 388 | 395 | 396 | 398 | 402 | 405 | 402 | 403 | 403 | 401 | 399 | 400 | 396 | | |
| 23 | Q 399 | 396 | 396 | 397 | 396 | 395 | 392 | 386 | 380 | 378 | 381 | 386 | 392 | 396 | 397 | 401 | 398 | 400 | 402 | 403 | 402 | 402 | 402 | 402 | 395 | | |
| 24 | Q 401 | 399 | 398 | 397 | 397 | 394 | 392 | 389 | 384 | 382 | 383 | 387 | 392 | 397 | 398 | 396 | 399 | 403 | 407 | 405 | 403 | 406 | 407 | 407 | 397 | | |
| 25 | Q 405 | 403 | 401 | 399 | 401 | 394 | 402 | 398 | 391 | 383 | 380 | 384 | 389 | 394 | 398 | 398 | 401 | 403 | 408 | 409 | 405 | 407 | 407 | 407 | 399 | | |
| 26 | 405 | 404 | 404 | 404 | 405 | 406 | 402 | 394 | 385 | 381 | 380 | 379 | 389 | 399 | 402 | 409 | 414 | 412 | 412 | 411 | 407 | 375 | 360 | 407 | 398 | | |
| 27 | D 410 | 411 | 407 | 382 | 401 | 411 | 407 | 397 | 384 | 377 | 376 | 388 | 387 | 396 | 411 | 402 | 403 | 408 | 411 | 413 | 403 | 316 | 330 | 367 | 392 | | |
| 28 | D 345 | 357 | 402 | 412 | 411 | 410 | 401 | 385 | 384 | 379 | 375 | 392 | 391 | 396 | 400 | 393 | 400 | 402 | 406 | 404 | 401 | 357 | 353 | 388 | 389 | | |
| 29 | Q 407 | 403 | 402 | 401 | 402 | 400 | 396 | 389 | 384 | 376 | 375 | 382 | 387 | 395 | 398 | 400 | 401 | 401 | 404 | 404 | 402 | 399 | 400 | 399 | 396 | | |
| 30 | 402 | 402 | 405 | 406 | 408 | 405 | 397 | 392 | 384 | 384 | 384 | 387 | 395 | 395 | 402 | 403 | 405 | 409 | 411 | 408 | 408 | 389 | 396 | 397 | 399 | | |
| MEANS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALL | 395 | 397 | 401 | 401 | 402 | 400 | 395 | 388 | 382 | 380 | 383 | 391 | 398 | 404 | 406 | 406 | 408 | 411 | 410 | 409 | 406 | 399 | 396 | 401 | 399 | | |
| QUIET | 403 | 401 | 400 | 400 | 399 | 398 | 394 | 388 | 383 | 379 | 380 | 386 | 391 | 396 | 399 | 399 | 400 | 402 | 405 | 405 | 404 | 405 | 405 | 405 | 397 | | |
| DIST. | 383 | 375 | 395 | 398 | 408 | 405 | 398 | 388 | 383 | 375 | 378 | 392 | 400 | 403 | 408 | 403 | 404 | 407 | 408 | 406 | 401 | 376 | 377 | 391 | 394 | | |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

NORTH COMPONENT X IN NT

OCTOBER 2009

X = 11000 + TABULAR VALUES

| DAY/ UT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN |
|---------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 1 | 397 | 393 | 398 | 396 | 396 | 399 | 395 | 391 | 384 | 383 | 382 | 383 | 388 | 394 | 397 | 403 | 402 | 405 | 406 | 403 | 401 | 400 | 400 | 401 | 396 |
| 2 | 398 | 396 | 400 | 400 | 400 | 398 | 393 | 388 | 382 | 379 | 379 | 383 | 394 | 399 | 402 | 403 | 404 | 403 | 402 | 403 | 403 | 403 | 403 | 403 | 397 |
| 3 | Q 402 | 403 | 404 | 403 | 401 | 398 | 393 | 387 | 382 | 379 | 380 | 384 | 388 | 395 | 399 | 403 | 404 | 406 | 408 | 406 | 404 | 407 | 407 | 405 | 398 |
| 4 | 403 | 402 | 402 | 404 | 409 | 408 | 405 | 402 | 396 | 394 | 395 | 387 | 389 | 398 | 403 | 409 | 408 | 411 | 411 | 407 | 404 | 401 | 401 | 398 | 402 |
| 5 | 398 | 397 | 397 | 401 | 403 | 401 | 399 | 394 | 386 | 382 | 381 | 382 | 389 | 395 | 398 | 402 | 401 | 403 | 406 | 405 | 405 | 403 | 404 | 403 | 397 |
| 6 | 402 | 402 | 402 | 402 | 404 | 401 | 398 | 392 | 382 | 375 | 375 | 377 | 383 | 391 | 397 | 400 | 402 | 404 | 403 | 403 | 403 | 402 | 403 | 401 | 396 |
| 7 | 402 | 403 | 403 | 404 | 404 | 404 | 401 | 394 | 385 | 376 | 376 | 381 | 391 | 397 | 403 | 403 | 404 | 401 | 402 | 400 | 403 | 405 | 401 | 398 | 398 |
| 8 | 396 | 399 | 401 | 405 | 406 | 402 | 401 | 394 | 383 | 376 | 374 | 381 | 391 | 400 | 404 | 404 | 405 | 406 | 407 | 405 | 402 | 388 | 401 | 404 | 397 |
| 9 | 405 | 404 | 405 | 407 | 407 | 408 | 404 | 396 | 382 | 375 | 370 | 380 | 391 | 397 | 398 | 399 | 400 | 400 | 399 | 390 | 392 | 395 | 394 | 398 | 396 |
| 10 | Q 397 | 400 | 402 | 403 | 405 | 404 | 401 | 391 | 382 | 380 | 382 | 385 | 391 | 396 | 398 | 399 | 399 | 399 | 400 | 400 | 401 | 402 | 401 | 401 | 397 |
| 11 | D 405 | 407 | 408 | 413 | 416 | 422 | 417 | 393 | 387 | 385 | 377 | 383 | 391 | 397 | 404 | 406 | 409 | 410 | 409 | 403 | 400 | 391 | 398 | 398 | 401 |
| 12 | 400 | 401 | 401 | 401 | 400 | 392 | 387 | 383 | 381 | 384 | 390 | 395 | 398 | 400 | 395 | 398 | 402 | 404 | 404 | 404 | 401 | 402 | 402 | 404 | 397 |
| 13 | 400 | 398 | 400 | 403 | 405 | 404 | 400 | 391 | 381 | 376 | 377 | 382 | 393 | 396 | 398 | 401 | 404 | 406 | 401 | 396 | 398 | 396 | 400 | 399 | 396 |
| 14 | Q 401 | 401 | 403 | 403 | 405 | 404 | 401 | 393 | 385 | 381 | 382 | 389 | 396 | 400 | 400 | 401 | 401 | 401 | 403 | 403 | 403 | 402 | 402 | 401 | 398 |
| 15 | 401 | 401 | 401 | 403 | 404 | 403 | 398 | 387 | 390 | 390 | 395 | 396 | 404 | 406 | 406 | 405 | 411 | 433 | 438 | 402 | 393 | 393 | 402 | 401 | 403 |
| 16 | 400 | 389 | 393 | 403 | 397 | 397 | 399 | 390 | 383 | 380 | 383 | 390 | 397 | 399 | 400 | 400 | 401 | 402 | 400 | 398 | 399 | 401 | 401 | 400 | 396 |
| 17 | Q 399 | 399 | 399 | 400 | 400 | 398 | 394 | 385 | 375 | 370 | 375 | 384 | 393 | 400 | 401 | 402 | 402 | 402 | 402 | 402 | 403 | 403 | 403 | 402 | 396 |
| 18 | 402 | 403 | 403 | 403 | 403 | 403 | 399 | 390 | 381 | 378 | 383 | 391 | 395 | 398 | 399 | 398 | 398 | 398 | 398 | 400 | 402 | 402 | 403 | 403 | 397 |
| 19 | 403 | 402 | 401 | 402 | 402 | 400 | 396 | 389 | 385 | 385 | 389 | 396 | 401 | 405 | 406 | 398 | 399 | 403 | 404 | 401 | 402 | 403 | 402 | 402 | 399 |
| 20 | Q 399 | 398 | 401 | 401 | 401 | 400 | 395 | 389 | 384 | 382 | 386 | 392 | 398 | 400 | 399 | 399 | 400 | 401 | 401 | 401 | 401 | 402 | 401 | 400 | 397 |
| 21 | 399 | 400 | 401 | 401 | 400 | 399 | 397 | 393 | 388 | 388 | 391 | 396 | 402 | 404 | 404 | 404 | 402 | 403 | 404 | 404 | 404 | 405 | 405 | 403 | 400 |
| 22 | D 399 | 365 | 382 | 405 | 413 | 409 | 391 | 391 | | | | | | | | | | | | | | | | | |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

NORTH COMPONENT X IN NT

NOVEMBER 2009

X = 11000 + TABULAR VALUES

| DAY/ UT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN |
|---------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 1 | 392 | 397 | 398 | 404 | 406 | 404 | 401 | 398 | 392 | 391 | 392 | 394 | 397 | 397 | 399 | 399 | 400 | 400 | 401 | 401 | 399 | 400 | 400 | 399 | 398 |
| 2 | 399 | 399 | 399 | 399 | 399 | 400 | 399 | 394 | 395 | 395 | 392 | 398 | 399 | 404 | 402 | 401 | 403 | 400 | 399 | 400 | 400 | 400 | 398 | 397 | 399 |
| 3 | Q 396 | 394 | 395 | 397 | 397 | 397 | 395 | 392 | 387 | 383 | 386 | 389 | 393 | 396 | 398 | 399 | 399 | 397 | 399 | 394 | 395 | 399 | 399 | 398 | 395 |
| 4 | 397 | 396 | 396 | 397 | 398 | 398 | 396 | 393 | 388 | 386 | 388 | 392 | 396 | 399 | 398 | 399 | 402 | 404 | 404 | 404 | 404 | 404 | 402 | 401 | 398 |
| 5 | Q 402 | 402 | 401 | 399 | 400 | 401 | 400 | 397 | 395 | 393 | 392 | 395 | 399 | 402 | 403 | 404 | 404 | 404 | 403 | 402 | 402 | 402 | 401 | 400 | 400 |
| 6 | Q 399 | 398 | 398 | 399 | 398 | 399 | 398 | 395 | 391 | 389 | 389 | 393 | 398 | 401 | 402 | 402 | 403 | 403 | 403 | 403 | 403 | 402 | 400 | 400 | 399 |
| 7 | 399 | 399 | 400 | 401 | 402 | 401 | 399 | 397 | 393 | 391 | 391 | 396 | 400 | 402 | 402 | 402 | 403 | 402 | 402 | 400 | 400 | 399 | 399 | 400 | 399 |
| 8 | D 399 | 401 | 403 | 410 | 410 | 409 | 408 | 402 | 400 | 398 | 399 | 395 | 402 | 398 | 407 | 491 | 437 | 452 | 404 | 352 | 343 | 398 | 395 | 390 | 404 |
| 9 | 385 | 391 | 393 | 395 | 395 | 393 | 394 | 394 | 387 | 379 | 383 | 390 | 394 | 396 | 397 | 397 | 395 | 395 | 396 | 398 | 398 | 396 | 395 | 393 | 393 |
| 10 | 393 | 392 | 396 | 398 | 401 | 398 | 396 | 392 | 388 | 388 | 390 | 394 | 396 | 397 | 398 | 398 | 399 | 399 | 400 | 400 | 399 | 393 | 396 | 394 | 395 |
| 11 | 391 | 388 | 394 | 396 | 397 | 397 | 398 | 395 | 395 | 393 | 392 | 393 | 393 | 395 | 397 | 398 | 399 | 399 | 400 | 400 | 400 | 396 | 397 | 398 | 396 |
| 12 | 398 | 398 | 398 | 398 | 399 | 398 | 398 | 396 | 393 | 392 | 393 | 396 | 398 | 397 | 400 | 399 | 401 | 401 | 401 | 402 | 400 | 402 | 391 | 397 | 398 |
| 13 | 398 | 400 | 400 | 401 | 400 | 400 | 399 | 396 | 393 | 391 | 393 | 396 | 399 | 400 | 401 | 402 | 402 | 399 | 389 | 394 | 395 | 398 | 401 | 402 | 398 |
| 14 | 400 | 396 | 401 | 402 | 403 | 402 | 400 | 402 | 392 | 387 | 392 | 392 | 398 | 398 | 400 | 405 | 408 | 414 | 408 | 402 | 397 | 379 | 344 | 343 | 394 |
| 15 | D 371 | 393 | 391 | 395 | 394 | 392 | 391 | 392 | 393 | 394 | 397 | 398 | 398 | 403 | 428 | 433 | 430 | 418 | 406 | 389 | 390 | 391 | 392 | 392 | 398 |
| 16 | 391 | 391 | 392 | 393 | 394 | 395 | 393 | 391 | 388 | 387 | 389 | 392 | 394 | 394 | 393 | 395 | 394 | 393 | 393 | 391 | 397 | 395 | 396 | 392 | 393 |
| 17 | 391 | 390 | 394 | 396 | 397 | 396 | 395 | 392 | 390 | 390 | 392 | 396 | 398 | 399 | 399 | 399 | 399 | 399 | 399 | 399 | 399 | 398 | 397 | 397 | 396 |
| 18 | 397 | 397 | 399 | 402 | 405 | 405 | 402 | 398 | 395 | 392 | 395 | 396 | 396 | 397 | 397 | 400 | 401 | 401 | 402 | 402 | 400 | 396 | 393 | 399 | 399 |
| 19 | 397 | 397 | 398 | 399 | 400 | 396 | 397 | 396 | 392 | 388 | 389 | 393 | 396 | 399 | 399 | 399 | 402 | 406 | 408 | 407 | 404 | 394 | 337 | 375 | 395 |
| 20 | 397 | 396 | 396 | 396 | 398 | 398 | 397 | 396 | 395 | 394 | 397 | 399 | 401 | 402 | 400 | 400 | 401 | 399 | 397 | 401 | 401 | 402 | 401 | 398 | 398 |
| 21 | D 368 | 331 | 390 | 403 | 408 | 405 | 404 | 400 | 388 | 391 | 400 | 401 | 395 | 393 | 400 | 400 | 399 | 401 | 400 | 398 | 350 | 340 | 389 | 382 | 389 |
| 22 | 373 | 366 | 397 | 401 | 398 | 400 | 396 | 391 | 393 | 392 | 393 | 396 | 397 | 400 | 396 | 393 | 395 | 398 | 399 | 404 | 397 | 397 | 395 | 393 | 394 |
| 23 | Q 392 | 392 | 394 | 396 | 397 | 397 | 397 | 396 | 394 | 392 | 392 | 393 | 397 | 398 | 401 | 400 | 400 | 400 | 400 | 399 | 396 | 395 | 395 | 394 | 396 |
| 24 | D 394 | 394 | 397 | 399 | 398 | 398 | 400 | 401 | 400 | 397 | 400 | 403 | 405 | 391 | 403 | 403 | 397 | 424 | 397 | 412 | 389 | 320 | 331 | 345 | 392 |
| 25 | D 378 | 392 | 385 | 393 | 405 | 409 | 405 | 394 | 395 | 394 | 394 | 393 | 398 | 397 | 393 | 392 | 392 | 392 | 395 | 397 | 398 | 384 | 385 | 383 | 394 |
| 26 | 378 | 385 | 394 | 396 | 398 | 399 | 397 | 396 | 394 | 399 | 398 | 403 | 406 | 400 | 404 | 411 | 492 | 547 | 440 | 424 | 421 | 398 | 396 | 394 | 411 |
| 27 | 392 | 391 | 391 | 392 | 393 | 394 | 395 | 396 | 395 | 395 | 396 | 398 | 397 | 396 | 396 | 397 | 396 | 394 | 395 | 395 | 396 | 395 | 394 | 395 | 395 |
| 28 | 395 | 396 | 397 | 398 | 397 | 399 | 398 | 396 | 394 | 397 | 396 | 400 | 400 | 399 | 398 | 396 | 392 | 394 | 394 | 396 | 393 | 402 | 397 | 397 | 397 |
| 29 | Q 396 | 397 | 397 | 397 | 397 | 397 | 396 | 395 | 395 | 395 | 396 | 398 | 400 | 400 | 400 | 398 | 397 | 397 | 399 | 399 | 399 | 398 | 395 | 395 | 397 |
| 30 | 393 | 393 | 395 | 398 | 400 | 399 | 398 | 398 | 394 | 392 | 392 | 392 | 393 | 392 | 393 | 394 | 396 | 397 | 397 | 398 | 397 | 396 | 396 | 396 | 395 |

MEANS

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ALL | 392 | 392 | 396 | 398 | 399 | 399 | 398 | 396 | 393 | 391 | 393 | 395 | 398 | 398 | 399 | 403 | 405 | 408 | 401 | 399 | 395 | 392 | 390 | 391 | 397 |
| QUIET | 397 | 397 | 397 | 398 | 398 | 398 | 397 | 395 | 392 | 391 | 391 | 394 | 397 | 399 | 401 | 401 | 401 | 400 | 401 | 399 | 399 | 399 | 398 | 398 | 397 |
| DIST. | 382 | 382 | 393 | 400 | 403 | 403 | 401 | 398 | 395 | 395 | 397 | 398 | 400 | 395 | 401 | 423 | 412 | 420 | 403 | 391 | 374 | 366 | 378 | 378 | 395 |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

NORTH COMPONENT X IN NT

DECEMBER 2009

X = 11000 + TABULAR VALUES

| DAY/ UT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN |
|---------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 1 | Q 397 | 396 | 397 | 398 | 399 | 399 | 398 | 396 | 394 | 394 | 395 | 397 | 399 | 400 | 399 | 399 | 399 | 400 | 399 | 400 | 399 | 399 | 398 | 398 | 398 |
| 2 | 399 | 399 | 399 | 400 | 402 | 403 | 401 | 400 | 402 | 402 | 400 | 401 | 401 | 401 | 401 | 401 | 401 | 401 | 401 | 400 | 398 | 397 | 397 | 398 | 400 |
| 3 | Q 397 | 397 | 397 | 397 | 397 | 397 | 398 | 399 | 398 | 399 | 398 | 399 | 400 | 400 | 399 | 397 | 398 | 398 | 398 | 397 | 396 | 396 | 396 | 397 | 398 |
| 4 | Q 397 | 397 | 397 | 399 | 400 | 401 | 400 | 399 | 399 | 400 | 400 | 401 | 401 | 401 | 400 | 400 | 399 | 399 | 399 | 400 | 401 | 400 | 399 | 398 | 399 |
| 5 | D 399 | 399 | 399 | 400 | 400 | 400 | 400 | 405 | 405 | 405 | 404 | 406 | 402 | 402 | 402 | 402 | 402 | 403 | 405 | 430 | 407 | 410 | 399 | 390 | 403 |
| 6 | 385 | 385 | 384 | 393 | 399 | 399 | 397 | 401 | 399 | 397 | 397 | 400 | 400 | 399 | 398 | 397 | 398 | 399 | 398 | 398 | 396 | 396 | 396 | 393 | 396 |
| 7 | 382 | 389 | 396 | 399 | 399 | 400 | 399 | 398 | 399 | 398 | 401 | 401 | 402 | 401 | 401 | 399 | 399 | 399 | 399 | 400 | 398 | 398 | 395 | 393 | 398 |
| 8 | 394 | 394 | 394 | 395 | 396 | 396 | 396 | 397 | 397 | 398 | 401 | 401 | 401 | 401 | 400 | 399 | 399 | 398 | 398 | 398 | 399 | 394 | 394 | 394 | 397 |
| 9 | 396 | 396 | 397 | 398 | 398 | 397 | 396 | 395 | 395 | 397 | 401 | 403 | 404 | 403 | 401 | 400 | 401 | 400 | 400 | 398 | 398 | 398 | 398 | 398 | 399 |
| 10 | 397 | 397 | 397 | 398 | 398 | 398 | 398 | 398 | 398 | 397 | 398 | 402 | 403 | 402 | 400 | 399 | 398 | 394 | 395 | 393 | 396 | 399 | 400 | 398 | 398 |
| 11 | Q 398 | 397 | 396 | 398 | 399 | 399 | 398 | 398 | 397 | 397 | 398 | 401 | 402 | 401 | 401 | 400 | 400 | 400 | 400 | 399 | 397 | 396 | 394 | 399 | |
| 12 | 394 | 395 | 394 | 398 | 399 | 400 | 401 | 400 | 402 | 402 | 400 | 401 | 401 | 401 | 401 | 402 | 403 | 403 | 404 | 403 | 404 | 399 | 398 | 401 | 400 |
| 13 | 402 | 402 | 402 | 402 | 403 | 405 | 405 | 404 | 400 | 396 | 396 | 396 | 397 | 392 | 389 | 391 | 390 | 394 | 391 | 389 | 380 | 378 | 386 | 387 | 395 |
| 14 | D 387 | 397 | 401 | 400 | 399 | 404 | 413 | 406 | 397 | 389 | 392 | 395 | 401 | 402 | 402 | 400 | 401 | 402 | 400 | 398 | 399 | 400 | 398 | 397 | 399 |
| 15 | 397 | 397 | 396 | 396 | 398 | 399 | 398 | 399 | 398 | 399 | 402 | 404 | 405 | 404 | 405 | 404 | 402 | 401 | 400 | 402 | 396 | 397 | 397 | 394 | 399 |
| 16 | D 390 | 391 | 389 | 395 | 402 | 399 | 398 | 397 | 396 | 397 | 399 | 401 | 404 | 402 | 402 | 402 | 398 | 400 | 397 | 396 | 393 | 395 | 394 | 395 | 397 |
| 17 | 393 | 394 | 395 | 395 | 397 | 398 | 396 | 394 | 393 | 393 | 398 | 398 | 401 | 403 | 404 | 403 | 404 | 400 | 397 | 397 | 395 | 395 | 395 | 395 | 397 |
| 18 | 395 | 394 | 395 | 394 | 394 | 395 | 395 | 395 | 390 | 392 | 401 | 401 | 401 | 400 | 399 | 400 | 402 | 400 | 399 | 398 | 397 | 397 | 396 | 393 | 397 |
| 19 | 392 | 390 | 393 | 396 | 396 | 396 | 396 | 396 | 396 | 396 | 395 | 397 | 400 | 402 | 402 | 399 | 398 | 399 | 398 | 400 | 399 | 397 | 395 | 393 | 391 |
| 20 | 390 | 391 | 393 | 394 | 397 | 397 | 397 | 397 | 398 | 399 | 401 | 404 | 405 | 403 | 403 | 402 | 400 | 398 | 397 | 397 | 397 | 395 | 393 | 392 | 397 |
| 21 | 394 | 391 | 391 | 397 | 399 | 400 | 398 | 398 | 395 | 394 | 397 | 399 | 403 | 403 | 403 | 402 | 402 | 401 | 400 | 393 | 398 | | | | |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

EAST COMPONENT Y IN NT

JANUARY 2009

Y = 1000 + TABULAR VALUES

| DAY/ UT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN | | |
|---------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| 1 | D | 1012 | 1012 | 1016 | 1013 | 1006 | 1010 | 1005 | 1016 | 1011 | 1009 | 1005 | 1005 | 1007 | 1001 | 1005 | 1014 | 1029 | 1017 | 1019 | 1024 | 1024 | 1027 | 1024 | 1017 | 1014 | |
| 2 | | 1018 | 1018 | 1016 | 1015 | 1013 | 1016 | 1017 | 1017 | 1017 | 1016 | 1014 | 1013 | 1014 | 1015 | 1017 | 1011 | 1011 | 1014 | 1015 | 1046 | 1036 | 1029 | 1001 | 1023 | 1018 | |
| 3 | D | 1025 | 1035 | 1016 | 1002 | 1003 | 1000 | 1008 | 1012 | 1007 | 1018 | 1008 | 999 | 1007 | 1010 | 1013 | 1010 | 1018 | 1041 | 1025 | 1019 | 1020 | 1019 | 1021 | 1025 | 1015 | |
| 4 | | 1028 | 1015 | 1013 | 1017 | 1018 | 1018 | 1015 | 1013 | 1014 | 1012 | 1010 | 1010 | 1011 | 1011 | 1012 | 1012 | 1021 | 1050 | 1037 | 1026 | 1024 | 1019 | 1019 | 1017 | 1018 | |
| 5 | | 1018 | 1014 | 1013 | 1011 | 1011 | 1014 | 1014 | 1012 | 1010 | 1013 | 1011 | 1011 | 1011 | 1014 | 1008 | 1020 | 1021 | 1021 | 1035 | 1025 | 1026 | 1046 | 1034 | 1013 | 1018 | |
| 6 | | 1014 | 1016 | 1007 | 1004 | 1015 | 1013 | 1011 | 1013 | 1015 | 1014 | 1012 | 1012 | 1009 | 1008 | 1020 | 1021 | 1016 | 1021 | 1019 | 1019 | 1019 | 1019 | 1016 | 1014 | 1014 | |
| 7 | | 1016 | 1014 | 1013 | 1014 | 1019 | 1018 | 1016 | 1014 | 1014 | 1010 | 1006 | 1007 | 1009 | 1012 | 1013 | 1013 | 1014 | 1021 | 1013 | 1019 | 1019 | 1018 | 1014 | 1015 | 1014 | |
| 8 | | 1010 | 1012 | 1014 | 1018 | 1018 | 1017 | 1017 | 1016 | 1015 | 1012 | 1007 | 1003 | 1001 | 1002 | 998 | 1006 | 1018 | 1011 | 1013 | 1017 | 1018 | 1019 | 1023 | 1025 | 1013 | |
| 9 | | 1015 | 1019 | 1021 | 1020 | 1018 | 1017 | 1018 | 1016 | 1011 | 1008 | 1004 | 999 | 1001 | 1002 | 1009 | 1014 | 1015 | 1015 | 1015 | 1040 | 1043 | 1023 | 1018 | 1020 | 1016 | |
| 10 | | 1018 | 1012 | 1028 | 1027 | 1021 | 1014 | 1016 | 1014 | 1011 | 1012 | 1007 | 1007 | 1009 | 1013 | 1015 | 1014 | 1015 | 1016 | 1015 | 1018 | 1026 | 1028 | 1025 | 1027 | 1017 | |
| 11 | Q | 1018 | 1019 | 1015 | 1014 | 1015 | 1017 | 1017 | 1015 | 1012 | 1010 | 1011 | 1011 | 1011 | 1012 | 1012 | 1012 | 1012 | 1013 | 1017 | 1018 | 1021 | 1020 | 1019 | 1019 | 1015 | |
| 12 | Q | 1018 | 1018 | 1017 | 1017 | 1017 | 1018 | 1019 | 1018 | 1016 | 1013 | 1011 | 1012 | 1014 | 1015 | 1016 | 1017 | 1017 | 1017 | 1017 | 1020 | 1019 | 1018 | 1016 | 1015 | 1016 | |
| 13 | | 1014 | 1016 | 1017 | 1018 | 1015 | 1016 | 1015 | 1019 | 1014 | 1012 | 1010 | 1007 | 1008 | 1006 | 1009 | 1007 | 1007 | 1011 | 1016 | 1022 | 1027 | 1030 | 1025 | 1027 | 1015 | |
| 14 | | 1024 | 1025 | 1025 | 1027 | 1020 | 1021 | 1019 | 1018 | 1015 | 1009 | 1009 | 1006 | 1005 | 988 | 1008 | 1015 | 1018 | 1019 | 1038 | 1025 | 1027 | 1033 | 1041 | 1032 | 1019 | |
| 15 | | 1020 | 1011 | 1020 | 1020 | 1024 | 1014 | 1005 | 1001 | 1008 | 1012 | 1009 | 1004 | 1005 | 1004 | 1009 | 1011 | 1011 | 1010 | 1029 | 1043 | 1032 | 1051 | 1042 | 1025 | 1017 | |
| 16 | | 1023 | 1020 | 1021 | 1018 | 1020 | 1018 | 1020 | 1020 | 1019 | 1016 | 1014 | 1012 | 1010 | 1012 | 1012 | 1013 | 1015 | 1024 | 1025 | 1019 | 1019 | 1019 | 1020 | 1018 | 1018 | |
| 17 | | 1016 | 1016 | 1017 | 1018 | 1018 | 1019 | 1019 | 1020 | 1018 | 1013 | 1009 | 1007 | 1010 | 1011 | 1012 | 1012 | 1013 | 1011 | 1020 | 1023 | 1024 | 1021 | 1020 | 1017 | 1016 | |
| 18 | | 1021 | 1019 | 1020 | 1022 | 1021 | 1021 | 1020 | 1020 | 1017 | 1012 | 1010 | 1009 | 1008 | 1014 | 1014 | 1014 | 1016 | 1013 | 1017 | 1015 | 1018 | 1017 | 1018 | 1017 | 1016 | |
| 19 | D | 1018 | 1015 | 994 | 1027 | 1028 | 1027 | 1020 | 1019 | 1023 | 1012 | 1011 | 1012 | 1010 | 1013 | 1012 | 1010 | 1008 | 1031 | 1040 | 1022 | 1040 | 1037 | 1023 | 1019 | 1020 | |
| 20 | | 1002 | 1013 | 1019 | 1018 | 1018 | 1019 | 1020 | 1022 | 1023 | 1020 | 1015 | 1012 | 1013 | 1014 | 1015 | 1015 | 1016 | 1016 | 1016 | 1030 | 1052 | 1037 | 1034 | 1023 | 1020 | |
| 21 | | 1020 | 1018 | 1018 | 1019 | 1018 | 1018 | 1018 | 1017 | 1016 | 1016 | 1011 | 1015 | 1014 | 1012 | 1017 | 1015 | 1020 | 1033 | 1022 | 1031 | 1030 | 1033 | 1032 | 1025 | 1020 | |
| 22 | Q | 1017 | 1017 | 1016 | 1017 | 1018 | 1017 | 1018 | 1017 | 1017 | 1014 | 1012 | 1012 | 1011 | 1013 | 1014 | 1013 | 1016 | 1025 | 1022 | 1015 | 1014 | 1015 | 1016 | 1016 | 1016 | |
| 23 | Q | 1016 | 1015 | 1016 | 1016 | 1016 | 1017 | 1018 | 1017 | 1017 | 1016 | 1013 | 1013 | 1012 | 1015 | 1015 | 1015 | 1016 | 1016 | 1016 | 1016 | 1018 | 1021 | 1020 | 1018 | 1016 | |
| 24 | Q | 1017 | 1017 | 1016 | 1018 | 1018 | 1015 | 1019 | 1021 | 1020 | 1017 | 1015 | 1016 | 1017 | 1016 | 1015 | 1014 | 1013 | 1013 | 1014 | 1016 | 1016 | 1018 | 1018 | 1020 | 1017 | |
| 25 | | 1020 | 1029 | 1025 | 1020 | 1015 | 1016 | 1016 | 1014 | 1014 | 1013 | 1014 | 1015 | 1017 | 1017 | 1016 | 1016 | 1014 | 1013 | 1014 | 1015 | 1016 | 1012 | 1032 | 1030 | 1018 | |
| 26 | D | 1026 | 1031 | 1024 | 1017 | 1015 | 1014 | 1016 | 1014 | 1004 | 1000 | 1008 | 1005 | 1010 | 999 | 981 | 999 | 984 | 1023 | 1020 | 1020 | 1019 | 1021 | 1021 | 1020 | 1012 | |
| 27 | | 1019 | 1018 | 1017 | 1017 | 1016 | 1018 | 1018 | 1018 | 1017 | 1014 | 1012 | 1014 | 1015 | 1017 | 1015 | 1014 | 1018 | 1019 | 1025 | 1028 | 1057 | 1046 | 1018 | 1018 | 1020 | |
| 28 | | 1018 | 1017 | 1016 | 1016 | 1017 | 1019 | 1021 | 1021 | 1022 | 1020 | 1016 | 1013 | 1013 | 1016 | 1017 | 1017 | 1018 | 1018 | 1019 | 1020 | 1021 | 1026 | 1017 | 1016 | 1018 | |
| 29 | | 1017 | 1016 | 1016 | 1013 | 1012 | 1006 | 1007 | 1002 | 1006 | 1006 | 1013 | 1011 | 1011 | 1015 | 1018 | 1019 | 1021 | 1021 | 1023 | 1022 | 1018 | 1019 | 1018 | 1017 | 1014 | |
| 30 | | 1018 | 1019 | 1019 | 1017 | 1018 | 1015 | 1017 | 1015 | 1015 | 1012 | 1016 | 1014 | 1014 | 1016 | 1016 | 1017 | 1018 | 1018 | 1023 | 1025 | 1037 | 1022 | 1014 | 1014 | 1018 | |
| 31 | D | 1017 | 1020 | 1019 | 1016 | 1012 | 1010 | 1008 | 1008 | 1012 | 1015 | 1015 | 1010 | 1022 | 1026 | 1010 | 1017 | 1016 | 1024 | 1057 | 1038 | 1025 | 1021 | 1023 | 1027 | 1020 | |
| MEANS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALL | | 1018 | 1018 | 1017 | 1017 | 1017 | 1016 | 1016 | 1016 | 1015 | 1013 | 1011 | 1010 | 1011 | 1011 | 1013 | 1015 | 1020 | 1023 | 1024 | 1026 | 1026 | 1022 | 1020 | 1017 | 1017 | |
| QUIET | | 1017 | 1017 | 1016 | 1016 | 1017 | 1017 | 1018 | 1018 | 1017 | 1014 | 1013 | 1013 | 1013 | 1014 | 1014 | 1014 | 1015 | 1017 | 1017 | 1017 | 1017 | 1018 | 1018 | 1017 | 1016 | |
| DIST. | | 1019 | 1023 | 1014 | 1015 | 1013 | 1012 | 1011 | 1014 | 1012 | 1011 | 1009 | 1006 | 1011 | 1010 | 1004 | 1010 | 1011 | 1027 | 1032 | 1025 | 1026 | 1025 | 1022 | 1022 | 1016 | |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

EAST COMPONENT Y IN NT

FEBRUARY 2009

Y = 1000 + TABULAR VALUES

| DAY/ UT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN | |
|---------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | | 1020 | 1021 | 1022 | 1020 | 1017 | 1021 | 1012 | 1014 | 1014 | 1011 | 1013 | 1013 | 1013 | 1015 | 1016 | 1017 | 1018 | 1018 | 1018 | 1020 | 1023 | 1022 | 1023 | 1022 | 1018 |
| 2 | Q | 1022 | 1021 | 1020 | 1020 | 1018 | 1016 | 1013 | 1012 | 1012 | 1013 | 1016 | 1018 | 1018 | 1018 | 1019 | 1019 | 1019 | 1024 | 1018 | 1020 | 1023 | 1022 | 1020 | 1019 | 1018 |
| 3 | | 1017 | 1017 | 1019 | 1021 | 1021 | 1020 | 1017 | 1014 | 1010 | 1009 | 1010 | 1013 | 1015 | 1015 | 1015 | 1016 | 1015 | 1014 | 1016 | 1021 | 1019 | 1057 | 1055 | 1019 | 1019 |
| 4 | D | 1049 | 1018 | 1020 | 1027 | 1023 | 1019 | 1015 | 1003 | 1002 | 1003 | 1006 | 999 | 998 | 982 | 983 | 964 | 914 | 919 | 1013 | 1026 | 1025 | 1028 | 1045 | 1017 | 1004 |
| 5 | | 1017 | 1033 | 1032 | 1029 | 1025 | 1022 | 1020 | 1019 | 1017 | 1013 | 1015 | 1016 | 1015 | 1019 | 1018 | 1018 | 1015 | 1017 | 1016 | 1016 | 1014 | 1018 | 1037 | 1033 | 1022 |
| 6 | | 1024 | 1019 | 1033 | 1031 | 1027 | 1023 | 1019 | 1021 | 1021 | 1020 | 1019 | 1019 | 1019 | 1018 | 1018 | 1018 | 1018 | 1018 | 1019 | 1020 | 1020 | 1021 | 1025 | 1026 | 1021 |
| 7 | | 1020 | 1019 | 1021 | 1020 | 1016 | 1017 | 1014 | 1012 | 1011 | 1014 | 1016 | 1016 | 1014 | 1013 | 1013 | 1016 | 1011 | 1017 | 1018 | 1020 | 1019 | 1020 | 1019 | 1020 | 1016 |
| 8 | Q | 1022 | 1021 | 1021 | 1020 | 1018 | 1017 | 1015 | 1013 | 1014 | 1013 | 1015 | 1016 | 1018 | 1019 | 1020 | 1020 | 1019 | 1020 | 1019 | 1020 | 1019 | 1018 | 1021 | 1024 | 1018 |
| 9 | | 1024 | 1032 | 1033 | 1027 | 1022 | 1020 | 1016 | 1014 | 1013 | 1011 | 1012 | 1016 | 1020 | 1 | | | | | | | | | | | |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

EAST COMPONENT Y IN NT

MARCH 2009

Y = 1000 + TABULAR VALUES

| DAY/ UT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN | | |
|---------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|
| 1 | 1025 | 1026 | 1024 | 1033 | 1026 | 1024 | 1023 | 1020 | 1015 | 1012 | 1010 | 1011 | 1012 | 1014 | 1018 | 1019 | 1020 | 1020 | 1021 | 1022 | 1023 | 1025 | 1022 | 1023 | 1020 | | |
| 2 | Q 1023 | 1024 | 1024 | 1025 | 1025 | 1026 | 1028 | 1027 | 1022 | 1017 | 1011 | 1010 | 1012 | 1013 | 1017 | 1019 | 1018 | 1020 | 1020 | 1020 | 1021 | 1021 | 1022 | 1024 | 1020 | | |
| 3 | 1024 | 1024 | 1024 | 1025 | 1025 | 1025 | 1023 | 1021 | 1016 | 1010 | 1003 | 1011 | 1013 | 1013 | 1014 | 1015 | 1015 | 1017 | 1024 | 1067 | 1029 | 1024 | 1029 | 1026 | 1022 | | |
| 4 | 1028 | 1021 | 1025 | 1022 | 1023 | 1017 | 1015 | 1012 | 1005 | 1004 | 1006 | 1005 | 1004 | 1004 | 1008 | 1011 | 1022 | 1013 | 1012 | 1014 | 1047 | 1050 | 1037 | 1031 | 1018 | | |
| 5 | 1031 | 1032 | 1041 | 1023 | 1016 | 1021 | 1027 | 1029 | 1025 | 1018 | 1013 | 1011 | 1013 | 1016 | 1019 | 1021 | 1022 | 1019 | 1023 | 1021 | 1021 | 1022 | 1022 | 1018 | 1022 | | |
| 6 | Q 1013 | 1013 | 1026 | 1028 | 1024 | 1022 | 1022 | 1022 | 1018 | 1013 | 1011 | 1010 | 1013 | 1015 | 1018 | 1021 | 1019 | 1019 | 1019 | 1020 | 1020 | 1022 | 1024 | 1022 | 1019 | | |
| 7 | Q 1022 | 1022 | 1024 | 1022 | 1025 | 1026 | 1025 | 1023 | 1020 | 1015 | 1011 | 1011 | 1013 | 1017 | 1020 | 1020 | 1019 | 1021 | 1023 | 1024 | 1021 | 1021 | 1021 | 1021 | 1020 | | |
| 8 | D 1019 | 1017 | 1023 | 1026 | 1024 | 1024 | 1022 | 1021 | 1016 | 1002 | 994 | 990 | 999 | 1007 | 1009 | 1016 | 1022 | 1068 | 1026 | 1019 | 1022 | 1024 | 1025 | 1022 | 1018 | | |
| 9 | Q 1022 | 1025 | 1027 | 1027 | 1028 | 1028 | 1029 | 1028 | 1024 | 1018 | 1012 | 1011 | 1013 | 1016 | 1020 | 1024 | 1024 | 1023 | 1025 | 1025 | 1023 | 1022 | 1022 | 1023 | 1022 | | |
| 10 | 1023 | 1025 | 1025 | 1028 | 1027 | 1028 | 1028 | 1029 | 1027 | 1021 | 1012 | 1009 | 1006 | 1005 | 1010 | 1012 | 1013 | 1022 | 1021 | 1023 | 1025 | 1024 | 1022 | 1023 | 1020 | | |
| 11 | 1025 | 1025 | 1025 | 1027 | 1027 | 1026 | 1027 | 1028 | 1025 | 1019 | 1011 | 1008 | 1006 | 1003 | 1008 | 1012 | 1012 | 1015 | 1024 | 1057 | 1031 | 1042 | 1070 | 1050 | 1025 | | |
| 12 | 1032 | 1040 | 1044 | 1061 | 1037 | 1033 | 1029 | 1026 | 1021 | 1014 | 1009 | 1007 | 1009 | 1011 | 1016 | 1018 | 1017 | 1017 | 1016 | 1016 | 1016 | 1019 | 1027 | 1043 | 1024 | | |
| 13 | D 1078 | 1166 | 1165 | 1061 | 1046 | 1036 | 1029 | 1022 | 1015 | 1007 | 1005 | 999 | 1001 | 998 | 998 | 1030 | 1046 | 1040 | 1044 | 1036 | 1037 | 1026 | 1016 | 1030 | 1039 | | |
| 14 | D 1025 | 1040 | 1029 | 1029 | 1027 | 1023 | 1017 | 1016 | 1026 | 1014 | 1010 | 1013 | 1008 | 1008 | 1011 | 1016 | 1036 | 1050 | 1024 | 1027 | 1027 | 1033 | 1011 | 1015 | 1022 | | |
| 15 | D 1044 | 1027 | 1032 | 1029 | 1024 | 1020 | 1017 | 1019 | 1018 | 1018 | 1015 | 1008 | 1007 | 1009 | 1015 | 1022 | 1022 | 1020 | 1020 | 1023 | 1023 | 1023 | 1025 | 1019 | 1021 | | |
| 16 | 1021 | 1024 | 1030 | 1027 | 1026 | 1027 | 1030 | 1030 | 1029 | 1020 | 1013 | 1009 | 1010 | 1012 | 1016 | 1021 | 1021 | 1021 | 1020 | 1026 | 1023 | 1020 | 1019 | 1022 | 1021 | | |
| 17 | 1018 | 1024 | 1030 | 1032 | 1027 | 1026 | 1027 | 1028 | 1026 | 1020 | 1014 | 1010 | 1009 | 1011 | 1013 | 1018 | 1016 | 1041 | 1020 | 1022 | 1017 | 1028 | 1014 | 1011 | 1021 | | |
| 18 | Q 1025 | 1032 | 1030 | 1029 | 1028 | 1027 | 1027 | 1025 | 1023 | 1018 | 1010 | 1004 | 1006 | 1010 | 1014 | 1017 | 1017 | 1014 | 1018 | 1022 | 1023 | 1020 | 1020 | 1019 | 1018 | | |
| 19 | 1018 | 1021 | 1027 | 1026 | 1027 | 1028 | 1032 | 1033 | 1027 | 1019 | 1011 | 1001 | 1001 | 1008 | 1016 | 1020 | 1019 | 1019 | 1019 | 1019 | 1019 | 1018 | 1023 | 1020 | 1017 | | |
| 20 | 1019 | 1026 | 1029 | 1029 | 1029 | 1031 | 1032 | 1032 | 1028 | 1018 | 1008 | 1005 | 1006 | 1010 | 1015 | 1020 | 1025 | 1019 | 1029 | 1018 | 1038 | 1036 | 1018 | 1020 | 1022 | | |
| 21 | 1024 | 1027 | 1028 | 1028 | 1028 | 1031 | 1033 | 1032 | 1028 | 1018 | 1001 | 990 | 981 | 1003 | 1016 | 1017 | 1019 | 1021 | 1037 | 1043 | 1041 | 1068 | 1109 | 1029 | 1027 | | |
| 22 | 1025 | 1028 | 1031 | 1021 | 1024 | 1035 | 1038 | 1034 | 1028 | 1022 | 1016 | 1013 | 1013 | 1015 | 1021 | 1023 | 1022 | 1022 | 1023 | 1025 | 1030 | 1020 | 1028 | 1024 | | | |
| 23 | 1032 | 1033 | 1030 | 1030 | 1030 | 1031 | 1032 | 1030 | 1027 | 1021 | 1013 | 1008 | 1005 | 1008 | 1014 | 1021 | 1022 | 1022 | 1022 | 1019 | 1020 | 1020 | 1020 | 1020 | 1022 | | |
| 24 | 1022 | 1022 | 1026 | 1025 | 1018 | 1010 | 1010 | 1015 | 1007 | 997 | 998 | 991 | 993 | 991 | 1002 | 1019 | 1023 | 1024 | 1026 | 1028 | 1041 | 1027 | 1016 | 1031 | 1015 | | |
| 25 | D 1014 | 1041 | 1048 | 1016 | 1012 | 1014 | 1028 | 1032 | 1028 | 1028 | 1028 | 1028 | 1028 | 1028 | 1028 | 1028 | 1026 | 1029 | 1027 | 1027 | 1027 | 1023 | 1026 | 1025 | 1023 | | |
| 26 | 1026 | 1021 | 1026 | 1030 | 1026 | 1023 | 1011 | 1016 | 1025 | 1018 | 1016 | 1008 | 1009 | 1009 | 1016 | 1019 | 1020 | 1024 | 1041 | 1026 | 1031 | 1029 | 1032 | 1023 | 1022 | | |
| 27 | 1023 | 1028 | 1028 | 1028 | 1029 | 1032 | 1033 | 1033 | 1032 | 1027 | 1017 | 1009 | 1005 | 1007 | 1009 | 1018 | 1017 | 1025 | 1049 | 1044 | 1038 | 1034 | 1020 | 1011 | 1025 | | |
| 28 | 1021 | 1027 | 1029 | 1029 | 1030 | 1033 | 1035 | 1035 | 1031 | 1024 | 1014 | 1006 | 1002 | 1006 | 1012 | 1017 | 1020 | 1022 | 1023 | 1029 | 1037 | 1045 | 1031 | 1020 | 1024 | | |
| 29 | 1023 | 1026 | 1026 | 1026 | 1029 | 1031 | 1030 | 1034 | 1033 | 1026 | 1012 | 1001 | 995 | 996 | 1005 | 1013 | 1019 | 1022 | 1023 | 1025 | 1024 | 1024 | 1023 | 1025 | 1021 | | |
| 30 | 1025 | 1024 | 1024 | 1025 | 1025 | 1028 | 1030 | 1031 | 1029 | 1023 | 1014 | 1005 | 1001 | 1005 | 1009 | 1017 | 1020 | 1021 | 1025 | 1032 | 1034 | 1025 | 1024 | 1024 | 1022 | | |
| 31 | 1024 | 1024 | 1026 | 1026 | 1028 | 1031 | 1033 | 1033 | 1030 | 1023 | 1009 | 1002 | 998 | 1001 | 1008 | 1013 | 1018 | 1020 | 1022 | 1023 | 1025 | 1024 | 1025 | 1026 | 1020 | | |
| MEANS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALL | 1026 | 1031 | 1033 | 1029 | 1026 | 1026 | 1027 | 1026 | 1023 | 1017 | 1010 | 1006 | 1005 | 1008 | 1013 | 1018 | 1021 | 1024 | 1025 | 1027 | 1027 | 1028 | 1027 | 1024 | 1022 | | |
| QUIET | 1021 | 1023 | 1026 | 1026 | 1026 | 1026 | 1026 | 1025 | 1022 | 1017 | 1012 | 1009 | 1011 | 1013 | 1017 | 1020 | 1020 | 1019 | 1021 | 1022 | 1022 | 1021 | 1022 | 1021 | 1020 | | |
| DIST. | 1036 | 1058 | 1059 | 1032 | 1027 | 1023 | 1023 | 1022 | 1021 | 1014 | 1009 | 1004 | 1004 | 1006 | 1009 | 1021 | 1031 | 1041 | 1028 | 1026 | 1027 | 1026 | 1021 | 1022 | 1025 | | |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

EAST COMPONENT Y IN NT

APRIL 2009

Y = 1000 + TABULAR VALUES

| DAY/ UT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN |
|---------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 1027 | 1028 | 1028 | 1029 | 1029 | 1030 | 1032 | 1034 | 1032 | 1029 | 1019 | 1011 | 1006 | 1006 | 1008 | 1012 | 1017 | 1018 | 1019 | 1019 | 1022 | 1026 | 1041 | 1047 | 1024 |
| 2 | Q 1031 | 1027 | 1028 | 1028 | 1028 | 1030 | 1033 | 1035 | 1032 | 1025 | 1016 | 1006 | 997 | 1000 | 1006 | 1015 | 1022 | 1020 | 1028 | 1036 | 1031 | 1029 | 1025 | 1023 | 1023 |
| 3 | 1024 | 1026 | 1029 | 1030 | 1031 | 1032 | 1032 | 1031 | 1028 | 1023 | 1014 | 1006 | 1003 | 1005 | 1012 | 1019 | 1019 | 1021 | 1028 | 1023 | 1023 | 1025 | 1027 | 1025 | 1022 |
| 4 | Q 1027 | 1028 | 1028 | 1030 | 1033 | 1034 | 1035 | 1034 | 1028 | 1018 | 1014 | 1004 | 999 | 1003 | 1010 | 1015 | 1017 | 1017 | 1018 | 1019 | 1022 | 1024 | 1023 | 1024 | 1021 |
| 5 | 1026 | 1025 | 1031 | 1026 | 1031 | 1033 | 1032 | 1032 | 1026 | 1017 | 1009 | 1000 | 1002 | 1006 | 1012 | 1017 | 1020 | 1022 | 1028 | 1025 | 1024 | 1023 | 1022 | 1022 | 1021 |
| 6 | 1022 | 1026 | 1029 | 1031 | 1031 | 1034 | 1033 | 1033 | 1028 | 1019 | 1010 | 1003 | 1002 | 1004 | 1009 | 1018 | 1027 | 1022 | 1019 | 1020 | 1021 | 1022 | 1022 | 1022 | 1021 |
| 7 | Q 1023 | 1024 | 1026 | 1028 | 1031 | 1034 | 1038 | 1035 | 1028 | 1017 | 1008 | 1002 | 1001 | 1007 | 1012 | 1018 | 1021 | 1022 | 1021 | 1020 | 1022 | 1022 | 1024 | 1023 | 1021 |
| 8 | 1024 | 1026 | 1028 | 1031 | 1034 | 1037 | 1040 | 1037 | 1029 | 1016 | 1004 | 995 | 996 | 1000 | 1010 | 1017 | 1017 | 1015 | 1016 | 1030 | 1042 | 1052 | 1027 | 1021 | 1023 |
| 9 | D 1024 | 1031 | 1018 | 1051 | 1039 | 1043 | 1034 | 1032 | 1024 | 1012 | 1001 | 996 | 997 | 1003 | 1003 | 996 | 1006 | 1047 | 1043 | 1039 | 1033 | 1036 | 1016 | 1027 | 1023 |
| 10 | D 1031 | 1042 | 1036 | 1035 | 1035 | 1036 | 1037 | 1034 | 1028 | 1017 | 1008 | 999 | 999 | 1011 | 1012 | 1023 | 1022 | 1023 | 1036 | 1068 | 1038 | 1026 | 1024 | 1020 | 1027 |
| 11 | D 1041 | 1032 | 1030 | 1043 | 1042 | 1039 | 1032 | 1031 | 1030 | 1024 | 1015 | 1011 | 1005 | 1006 | 1005 | 1016 | 1034 | 1025 | 1021 | 1026 | 1026 | 1019 | 1025 | 1013 | 1025 |
| 12 | D 1004 | 1015 | 1038 | 1047 | 1045 | 1041 | 1035 | 1033 | 1027 | 1014 | 1008 | 1001 | 1002 | 1009 | 1013 | 1018 | 1019 | 1017 | 1021 | 1021 | 1030 | 1041 | 1041 | 1013 | 1024 |
| 13 | 1010 | 1036 | 1029 | 1038 | 1040 | 1039 | 1035 | 1037 | 1034 | 1025 | 1017 | 1010 | 1007 | 1010 | 1014 | 1020 | 1023 | 1023 | 1027 | 1026 | 1028 | 1026 | 1023 | 1019 | 1025 |
| 14 | 1023 | 1028 | 1033 | 1037 | 1039 | 1040 | 1041 | 1038 | 1032 | 1025 | 1012 | 1006 | 998 | 1002 | 1011 | 1017 | 1023 | 1026 | 1027 | 1025 | 1025 | 1026 | 1022 | 1022 | 1024 |
| 15 | 1037 | 1044 | 1046 | 1047 | 1044 | 1039 | 1040 | 1039 | 1033 | 1025 | 1013 | 1004 | 1003 | 1006 | | | | | | | | | | | |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

EAST COMPONENT Y IN NT MAY 2009 Y = 1000 + TABULAR VALUES

Table with 24 columns (DAY/ UT, 1-24, MEAN) and multiple rows of data for May 2009, including mean values and quiet/disturbance indicators.

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

EAST COMPONENT Y IN NT JUNE 2009 Y = 1000 + TABULAR VALUES

Table with 24 columns (DAY/ UT, 1-24, MEAN) and multiple rows of data for June 2009, including mean values and quiet/disturbance indicators.

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

EAST COMPONENT Y IN NT

JULY 2009

Y = 1000 + TABULAR VALUES

| DAY/ UT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN | | |
|---------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| 1 | 1046 | 1047 | 1054 | 1056 | 1061 | 1061 | 1060 | 1050 | 1043 | 1042 | 1032 | 1024 | 1022 | 1019 | 1017 | 1020 | 1023 | 1029 | 1029 | 1029 | 1029 | 1031 | 1038 | 1039 | 1038 | | |
| 2 | Q 1036 | 1042 | 1045 | 1048 | 1048 | 1048 | 1049 | 1057 | 1052 | 1043 | 1034 | 1021 | 1011 | 1011 | 1016 | 1023 | 1029 | 1035 | 1036 | 1034 | 1031 | 1030 | 1029 | 1031 | 1037 | 1035 | |
| 3 | 1038 | 1048 | 1054 | 1062 | 1064 | 1058 | 1053 | 1046 | 1035 | 1022 | 1012 | 1011 | 1013 | 1021 | 1031 | 1033 | 1031 | 1030 | 1028 | 1026 | 1028 | 1032 | 1042 | 1041 | 1036 | | |
| 4 | 1048 | 1053 | 1057 | 1060 | 1058 | 1056 | 1057 | 1050 | 1040 | 1029 | 1016 | 1007 | 1006 | 1013 | 1017 | 1018 | 1023 | 1023 | 1021 | 1021 | 1021 | 1021 | 1034 | 1034 | 1036 | 1033 | |
| 5 | 1039 | 1042 | 1044 | 1044 | 1043 | 1048 | 1053 | 1052 | 1041 | 1024 | 1012 | 1008 | 1004 | 1009 | 1021 | 1026 | 1025 | 1024 | 1021 | 1022 | 1013 | 1035 | 1031 | 1034 | 1030 | 1030 | |
| 6 | 1040 | 1046 | 1056 | 1060 | 1053 | 1056 | 1052 | 1047 | 1039 | 1033 | 1022 | 1011 | 1009 | 1020 | 1030 | 1032 | 1032 | 1031 | 1029 | 1026 | 1029 | 1037 | 1039 | 1045 | 1036 | | |
| 7 | 1047 | 1058 | 1066 | 1068 | 1057 | 1053 | 1051 | 1048 | 1038 | 1024 | 1012 | 1006 | 1006 | 1011 | 1012 | 1013 | 1021 | 1016 | 1019 | 1019 | 1022 | 1026 | 1031 | 1038 | 1032 | | |
| 8 | 1042 | 1045 | 1047 | 1050 | 1053 | 1049 | 1040 | 1036 | 1038 | 1022 | 1009 | 1001 | 1005 | 1011 | 1018 | 1023 | 1022 | 1019 | 1021 | 1021 | 1019 | 1017 | 1023 | 1034 | 1028 | | |
| 9 | 1036 | 1064 | 1070 | 1063 | 1062 | 1056 | 1051 | 1043 | 1033 | 1020 | 1010 | 1003 | 1008 | 1015 | 1020 | 1019 | 1020 | 1023 | 1015 | 1020 | 1023 | 1014 | 1028 | 1048 | 1032 | | |
| 10 | D 1039 | 1068 | 1057 | 1058 | 1048 | 1056 | 1053 | 1049 | 1041 | 1030 | 1017 | 1006 | 1003 | 1007 | 1014 | 1020 | 1034 | 1033 | 1030 | 1030 | 1027 | 1026 | 1036 | 1036 | 1034 | | |
| 11 | 1049 | 1058 | 1064 | 1061 | 1059 | 1057 | 1053 | 1047 | 1044 | 1039 | 1024 | 1015 | 1010 | 1011 | 1016 | 1019 | 1022 | 1028 | 1028 | 1028 | 1030 | 1028 | 1031 | 1036 | 1039 | 1036 | |
| 12 | 1040 | 1045 | 1051 | 1052 | 1054 | 1055 | 1052 | 1048 | 1038 | 1032 | 1026 | 1021 | 1016 | 1012 | 1014 | 1025 | 1028 | 1028 | 1029 | 1030 | 1030 | 1028 | 1029 | 1034 | 1034 | | |
| 13 | D 1032 | 1045 | 1054 | 1056 | 1054 | 1055 | 1057 | 1055 | 1043 | 1025 | 1008 | 997 | 1001 | 1006 | 1016 | 1018 | 1021 | 1016 | 1020 | 1020 | 1032 | 1035 | 1028 | 1039 | 1031 | | |
| 14 | D 1026 | 1064 | 1063 | 1056 | 1064 | 1060 | 1061 | 1057 | 1046 | 1035 | 1025 | 1013 | 1017 | 1019 | 1024 | 1029 | 1031 | 1033 | 1030 | 1028 | 1030 | 1029 | 1052 | 1045 | 1039 | | |
| 15 | 1048 | 1048 | 1053 | 1056 | 1051 | 1052 | 1052 | 1050 | 1049 | 1043 | 1029 | 1017 | 1008 | 1012 | 1020 | 1032 | 1032 | 1030 | 1031 | 1032 | 1030 | 1032 | 1031 | 1036 | 1036 | 1036 | |
| 16 | 1041 | 1041 | 1046 | 1049 | 1053 | 1057 | 1059 | 1054 | 1045 | 1036 | 1029 | 1024 | 1020 | 1022 | 1025 | 1025 | 1027 | 1028 | 1029 | 1031 | 1033 | 1034 | 1034 | 1038 | 1037 | | |
| 17 | Q 1043 | 1046 | 1047 | 1048 | 1049 | 1049 | 1050 | 1047 | 1040 | 1034 | 1029 | 1026 | 1024 | 1023 | 1023 | 1023 | 1025 | 1027 | 1027 | 1028 | 1028 | 1030 | 1031 | 1034 | 1035 | 1035 | |
| 18 | Q 1039 | 1044 | 1050 | 1052 | 1055 | 1056 | 1056 | 1056 | 1048 | 1034 | 1024 | 1015 | 1018 | 1029 | 1032 | 1028 | 1025 | 1025 | 1025 | 1027 | 1028 | 1027 | 1027 | 1028 | 1035 | 1035 | |
| 19 | Q 1034 | 1039 | 1046 | 1048 | 1051 | 1051 | 1050 | 1056 | 1051 | 1035 | 1028 | 1018 | 1015 | 1016 | 1020 | 1022 | 1028 | 1031 | 1028 | 1025 | 1026 | 1030 | 1031 | 1031 | 1034 | 1034 | |
| 20 | 1038 | 1046 | 1051 | 1053 | 1051 | 1047 | 1049 | 1046 | 1041 | 1022 | 1004 | 996 | 1001 | 1009 | 1007 | 1020 | 1021 | 1037 | 1028 | 1030 | 1030 | 1032 | 1038 | 1041 | 1031 | 1031 | |
| 21 | 1046 | 1052 | 1054 | 1062 | 1061 | 1054 | 1050 | 1043 | 1031 | 1021 | 1015 | 1010 | 1010 | 1015 | 1020 | 1026 | 1029 | 1036 | 1036 | 1025 | 1032 | 1035 | 1036 | 1037 | 1045 | 1045 | |
| 22 | D 1047 | 1069 | 1116 | 1036 | 1028 | 1098 | 1071 | 1067 | 1058 | 1010 | 1007 | 1005 | 1009 | 1007 | 1025 | 1028 | 1034 | 1034 | 1033 | 1046 | 1029 | 1034 | 1038 | 1053 | 1033 | | |
| 23 | D 1055 | 1056 | 1058 | 1057 | 1061 | 1067 | 1067 | 1047 | 1048 | 1035 | 1025 | 1011 | 1005 | 1007 | 1015 | 1040 | 1038 | 1022 | 1019 | 1028 | 1045 | 1032 | 1048 | 1042 | 1039 | | |
| 24 | 1040 | 1047 | 1051 | 1058 | 1065 | 1063 | 1056 | 1045 | 1038 | 1023 | 1017 | 1012 | 1012 | 1017 | 1029 | 1042 | 1035 | 1031 | 1025 | 1025 | 1027 | 1036 | 1035 | 1033 | 1036 | 1036 | |
| 25 | 1046 | 1060 | 1059 | 1066 | 1060 | 1059 | 1059 | 1055 | 1049 | 1039 | 1029 | 1026 | 1015 | 1016 | 1020 | 1023 | 1025 | 1028 | 1030 | 1029 | 1028 | 1031 | 1034 | 1042 | 1043 | 1039 | |
| 26 | Q 1044 | 1052 | 1055 | 1058 | 1056 | 1054 | 1051 | 1046 | 1040 | 1033 | 1023 | 1020 | 1020 | 1024 | 1027 | 1032 | 1033 | 1033 | 1031 | 1032 | 1038 | 1037 | 1038 | 1040 | 1038 | 1038 | |
| 27 | 1044 | 1043 | 1053 | 1057 | 1055 | 1055 | 1049 | 1053 | 1049 | 1037 | 1024 | 1021 | 1017 | 1015 | 1019 | 1024 | 1028 | 1028 | 1024 | 1031 | 1034 | 1039 | 1041 | 1041 | 1041 | 1037 | |
| 28 | 1042 | 1050 | 1051 | 1053 | 1051 | 1044 | 1040 | 1042 | 1039 | 1028 | 1016 | 1009 | 1009 | 1012 | 1018 | 1026 | 1027 | 1026 | 1028 | 1028 | 1031 | 1031 | 1034 | 1038 | 1032 | 1032 | |
| 29 | 1045 | 1048 | 1054 | 1058 | 1062 | 1057 | 1055 | 1052 | 1047 | 1039 | 1033 | 1026 | 1021 | 1017 | 1021 | 1030 | 1036 | 1037 | 1035 | 1033 | 1033 | 1036 | 1038 | 1039 | 1040 | 1040 | |
| 30 | 1040 | 1045 | 1046 | 1052 | 1052 | 1050 | 1046 | 1042 | 1041 | 1038 | 1027 | 1016 | 1010 | 1010 | 1011 | 1015 | 1015 | 1024 | 1030 | 1028 | 1030 | 1032 | 1036 | 1040 | 1032 | 1032 | |
| 31 | 1043 | 1047 | 1050 | 1052 | 1056 | 1059 | 1064 | 1060 | 1035 | 1017 | 1017 | 1012 | 1009 | 1009 | 1018 | 1025 | 1029 | 1029 | 1030 | 1032 | 1029 | 1043 | 1047 | 1048 | 1036 | 1036 | |
| MEANS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALL | 1042 | 1050 | 1056 | 1055 | 1055 | 1056 | 1054 | 1050 | 1042 | 1030 | 1020 | 1012 | 1012 | 1015 | 1020 | 1025 | 1028 | 1028 | 1027 | 1028 | 1029 | 1032 | 1036 | 1039 | 1035 | 1035 | |
| QUIET | 1039 | 1045 | 1049 | 1051 | 1052 | 1052 | 1053 | 1051 | 1045 | 1034 | 1025 | 1018 | 1018 | 1022 | 1025 | 1027 | 1029 | 1030 | 1029 | 1029 | 1030 | 1031 | 1032 | 1034 | 1035 | 1035 | |
| DIST. | 1040 | 1060 | 1070 | 1053 | 1051 | 1067 | 1062 | 1055 | 1047 | 1027 | 1016 | 1006 | 1007 | 1009 | 1019 | 1027 | 1032 | 1028 | 1027 | 1031 | 1033 | 1031 | 1041 | 1043 | 1037 | 1037 | |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

EAST COMPONENT Y IN NT

AUGUST 2009

Y = 1000 + TABULAR VALUES

| DAY/ UT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN | |
|---------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 1048 | 1048 | 1052 | 1054 | 1060 | 1062 | 1062 | 1053 | 1043 | 1032 | 1021 | 1010 | 1011 | 1016 | 1027 | 1029 | 1039 | 1034 | 1029 | 1026 | 1029 | 1032 | 1036 | 1039 | 1037 | 1039 |
| 2 | 1043 | 1048 | 1051 | 1055 | 1057 | 1057 | 1053 | 1056 | 1052 | 1037 | 1026 | 1015 | 1017 | 1020 | 1026 | 1031 | 1035 | 1035 | 1033 | 1033 | 1035 | 1033 | 1028 | 1059 | 1039 | |
| 3 | 1066 | 1073 | 1084 | 1072 | 1053 | 1044 | 1039 | 1038 | 1035 | 1028 | 1019 | 1017 | 1022 | 1027 | 1032 | 1035 | 1035 | 1034 | 1034 | 1038 | 1029 | 1038 | 1037 | 1041 | 1040 | |
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| 6 | D 1042 | 1046 | 1055 | 1068 | 1078 | 1084 | 1082 | 1031 | 1042 | 1031 | 1023 | 1014 | 1010 | 1011 | 1021 | 1033 | 1028 | 1029 | 1037 | 1050 | 1065 | 1042 | 1043 | 1036 | 1042 | |
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| 8 | 1043 | 1049 | 1055 | 1061 | 1066 | 1067 | 1061 | 1052 | 1041 | 1028 | 1016 | 1012 | 1014 | 1018 | 1025 | 1035 | 1040 | 1040 | 1036 | 1036 | 1040 | 1036 | 1038 | 1042 | 1040 | |
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| 12 | 1035 | 1045 | 1051 | 1056 | 1052 | 1047 | 1047 | 1042 | 1036 | 1030 | 1020 | 1015 | 1014 | 1019 | 1027 | 1032 | 1031 | 1030 | 1034 | 1038 | 1045 | 1037 | 1028 | 1035 | 1035 | |
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| 14 | 1030 | 1040 | 1049 | 1058 | 1061 | 1057 | 1053 | 1044 | 1033 | 1022 | | | | | | | | | | | | | | | | |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

EAST COMPONENT Y IN NT

SEPTEMBER 2009

Y = 1000 + TABULAR VALUES

| DAY/ UT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN | |
|---------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
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| 15 | 1045 | 1049 | 1049 | 1050 | 1051 | 1044 | 1041 | 1033 | 1024 | 1024 | 1022 | 1023 | 1027 | 1025 | 1027 | 1034 | 1033 | 1037 | 1037 | 1041 | 1051 | 1044 | 1054 | 1056 | 1038 | |
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| 17 | D 1046 | 1036 | 1043 | 1048 | 1057 | 1041 | 1033 | 1031 | 1034 | 1029 | 1024 | 1023 | 1026 | 1031 | 1038 | 1040 | 1037 | 1036 | 1034 | 1035 | 1043 | 1058 | 1043 | 1045 | 1038 | |
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| 19 | Q 1045 | 1045 | 1047 | 1048 | 1051 | 1052 | 1049 | 1044 | 1035 | 1024 | 1018 | 1019 | 1022 | 1030 | 1038 | 1044 | 1043 | 1041 | 1042 | 1041 | 1040 | 1038 | 1039 | 1042 | 1039 | |
| 20 | 1045 | 1048 | 1048 | 1049 | 1053 | 1050 | 1046 | 1040 | 1036 | 1028 | 1021 | 1018 | 1020 | 1028 | 1036 | 1037 | 1034 | 1035 | 1033 | 1033 | 1046 | 1064 | 1059 | 1045 | 1040 | |
| 21 | D 1061 | 1050 | 1060 | 1059 | 1060 | 1056 | 1053 | 1046 | 1032 | 1018 | 1017 | 1024 | 1017 | 1029 | 1036 | 1042 | 1041 | 1040 | 1058 | 1043 | 1043 | 1044 | 1045 | 1046 | 1043 | |
| 22 | 1047 | 1048 | 1052 | 1051 | 1051 | 1050 | 1048 | 1042 | 1032 | 1029 | 1027 | 1021 | 1020 | 1021 | 1029 | 1041 | 1041 | 1045 | 1041 | 1043 | 1044 | 1044 | 1046 | 1046 | 1040 | |
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| 24 | Q 1045 | 1045 | 1046 | 1048 | 1050 | 1052 | 1052 | 1048 | 1042 | 1036 | 1029 | 1025 | 1023 | 1022 | 1028 | 1035 | 1038 | 1037 | 1039 | 1045 | 1044 | 1042 | 1044 | 1043 | 1040 | |
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| 29 | Q 1046 | 1047 | 1048 | 1049 | 1050 | 1052 | 1051 | 1049 | 1042 | 1035 | 1029 | 1027 | 1029 | 1032 | 1038 | 1038 | 1037 | 1040 | 1042 | 1041 | 1044 | 1045 | 1046 | 1049 | 1042 | |
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MEANS

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| ALL | 1045 | 1047 | 1049 | 1050 | 1052 | 1051 | 1049 | 1044 | 1038 | 1030 | 1024 | 1021 | 1022 | 1027 | 1033 | 1037 | 1038 | 1037 | 1039 | 1041 | 1043 | 1047 | 1046 | 1045 | 1040 |
| QUIET | 1045 | 1046 | 1047 | 1048 | 1049 | 1050 | 1050 | 1047 | 1041 | 1035 | 1028 | 1024 | 1024 | 1028 | 1034 | 1038 | 1039 | 1040 | 1041 | 1043 | 1043 | 1043 | 1043 | 1044 | 1040 |
| DIST. | 1049 | 1046 | 1052 | 1049 | 1054 | 1047 | 1042 | 1041 | 1037 | 1026 | 1022 | 1020 | 1021 | 1027 | 1033 | 1037 | 1038 | 1040 | 1045 | 1046 | 1044 | 1048 | 1050 | 1049 | 1040 |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

EAST COMPONENT Y IN NT

OCTOBER 2009

Y = 1000 + TABULAR VALUES

| DAY/ UT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN |
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| 2 | 1050 | 1045 | 1051 | 1048 | 1046 | 1048 | 1049 | 1046 | 1043 | 1036 | 1031 | 1030 | 1029 | 1032 | 1035 | 1038 | 1040 | 1041 | 1042 | 1042 | 1044 | 1044 | 1044 | 1046 | 1042 |
| 3 | Q 1041 | 1045 | 1045 | 1046 | 1048 | 1050 | 1050 | 1049 | 1047 | 1042 | 1037 | 1034 | 1032 | 1032 | 1035 | 1038 | 1038 | 1039 | 1039 | 1047 | 1043 | 1042 | 1044 | 1045 | 1042 |
| 4 | 1045 | 1044 | 1046 | 1049 | 1047 | 1052 | 1052 | 1047 | 1041 | 1034 | 1027 | 1027 | 1028 | 1028 | 1030 | 1032 | 1035 | 1036 | 1038 | 1039 | 1045 | 1048 | 1049 | 1047 | 1040 |
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| 6 | 1044 | 1042 | 1044 | 1046 | 1046 | 1046 | 1051 | 1055 | 1051 | 1045 | 1038 | 1033 | 1030 | 1033 | 1037 | 1039 | 1040 | 1041 | 1043 | 1043 | 1044 | 1045 | 1047 | 1044 | 1043 |
| 7 | 1043 | 1042 | 1043 | 1044 | 1047 | 1051 | 1055 | 1057 | 1053 | 1047 | 1033 | 1025 | 1023 | 1026 | 1032 | 1036 | 1038 | 1045 | 1049 | 1050 | 1049 | 1045 | 1043 | 1040 | 1042 |
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| 9 | 1042 | 1043 | 1045 | 1044 | 1047 | 1047 | 1053 | 1054 | 1050 | 1039 | 1030 | 1022 | 1020 | 1023 | 1029 | 1034 | 1035 | 1037 | 1040 | 1053 | 1056 | 1057 | 1046 | 1047 | 1042 |
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| 14 | Q 1043 | 1044 | 1045 | 1047 | 1048 | 1049 | 1050 | 1048 | 1044 | 1038 | 1032 | 1031 | 1032 | 1036 | 1040 | 1042 | 1043 | 1044 | 1044 | 1044 | 1044 | 1044 | 1044 | 1044 | 1042 |
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| 16 | 1047 | | | | | | | | | | | | | | | | | | | | | | | | |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

EAST COMPONENT Y IN NT

NOVEMBER 2009

Y = 1000 + TABULAR VALUES

| DAY/ UT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN |
|---------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
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| 3 | Q 1049 | 1049 | 1046 | 1049 | 1050 | 1051 | 1052 | 1053 | 1052 | 1048 | 1044 | 1041 | 1042 | 1044 | 1045 | 1046 | 1046 | 1048 | 1051 | 1059 | 1051 | 1050 | 1048 | 1048 | 1048 |
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| 14 | 1049 | 1053 | 1046 | 1045 | 1045 | 1048 | 1049 | 1048 | 1046 | 1037 | 1032 | 1036 | 1033 | 1027 | 1033 | 1026 | 1036 | 1041 | 1052 | 1050 | 1048 | 1079 | 1078 | 1083 | 1047 |
| 15 | D 1076 | 1068 | 1062 | 1060 | 1054 | 1047 | 1048 | 1047 | 1043 | 1038 | 1037 | 1038 | 1033 | 1031 | 1023 | 1068 | 1031 | 1039 | 1044 | 1043 | 1051 | 1053 | 1052 | 1052 | 1047 |
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| 17 | 1054 | 1049 | 1049 | 1049 | 1049 | 1050 | 1050 | 1051 | 1049 | 1046 | 1043 | 1042 | 1043 | 1045 | 1046 | 1046 | 1045 | 1046 | 1046 | 1048 | 1049 | 1050 | 1051 | 1051 | 1048 |
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| 21 | D 1049 | 1077 | 1069 | 1061 | 1056 | 1049 | 1047 | 1045 | 1049 | 1048 | 1041 | 1034 | 1037 | 1044 | 1043 | 1044 | 1046 | 1047 | 1048 | 1065 | 1065 | 1077 | 1068 | 1065 | 1053 |
| 22 | 1061 | 1056 | 1056 | 1051 | 1051 | 1050 | 1050 | 1048 | 1050 | 1047 | 1041 | 1040 | 1041 | 1040 | 1041 | 1072 | 1054 | 1046 | 1053 | 1064 | 1054 | 1052 | 1049 | 1050 | 1051 |
| 23 | Q 1050 | 1049 | 1051 | 1050 | 1050 | 1051 | 1051 | 1050 | 1048 | 1045 | 1044 | 1042 | 1044 | 1046 | 1046 | 1048 | 1048 | 1049 | 1049 | 1052 | 1051 | 1053 | 1053 | 1050 | 1049 |
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| 28 | 1050 | 1049 | 1050 | 1049 | 1049 | 1048 | 1047 | 1046 | 1043 | 1042 | 1041 | 1041 | 1043 | 1047 | 1046 | 1047 | 1055 | 1050 | 1054 | 1056 | 1055 | 1058 | 1048 | 1046 | 1048 |
| 29 | Q 1047 | 1048 | 1048 | 1049 | 1048 | 1049 | 1048 | 1049 | 1048 | 1046 | 1044 | 1044 | 1046 | 1047 | 1047 | 1049 | 1047 | 1049 | 1048 | 1049 | 1051 | 1051 | 1049 | 1049 | 1048 |
| 30 | 1050 | 1049 | 1051 | 1052 | 1049 | 1048 | 1049 | 1049 | 1049 | 1046 | 1041 | 1038 | 1039 | 1042 | 1045 | 1048 | 1050 | 1050 | 1050 | 1051 | 1050 | 1051 | 1050 | 1050 | 1048 |

MEANS

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| ALL | 1051 | 1051 | 1050 | 1049 | 1049 | 1049 | 1049 | 1048 | 1046 | 1043 | 1039 | 1038 | 1039 | 1040 | 1041 | 1045 | 1045 | 1046 | 1052 | 1052 | 1052 | 1054 | 1053 | 1052 | 1047 |
| QUIET | 1048 | 1048 | 1048 | 1049 | 1049 | 1049 | 1050 | 1051 | 1049 | 1046 | 1042 | 1041 | 1042 | 1044 | 1045 | 1046 | 1046 | 1047 | 1048 | 1051 | 1050 | 1050 | 1049 | 1048 | 1047 |
| DIST. | 1056 | 1059 | 1057 | 1053 | 1047 | 1047 | 1046 | 1046 | 1042 | 1039 | 1037 | 1035 | 1036 | 1037 | 1042 | 1042 | 1050 | 1068 | 1061 | 1061 | 1059 | 1059 | 1054 | 1049 | 1049 |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

EAST COMPONENT Y IN NT

DECEMBER 2009

Y = 1000 + TABULAR VALUES

| DAY/ UT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN |
|---------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | Q 1050 | 1048 | 1051 | 1050 | 1051 | 1050 | 1050 | 1050 | 1048 | 1044 | 1043 | 1043 | 1044 | 1046 | 1048 | 1048 | 1048 | 1048 | 1048 | 1049 | 1049 | 1052 | 1050 | 1049 | 1048 |
| 2 | 1048 | 1047 | 1047 | 1047 | 1047 | 1048 | 1048 | 1047 | 1048 | 1045 | 1043 | 1042 | 1045 | 1046 | 1047 | 1048 | 1048 | 1049 | 1048 | 1049 | 1049 | 1051 | 1051 | 1050 | 1047 |
| 3 | Q 1050 | 1050 | 1050 | 1049 | 1049 | 1048 | 1048 | 1048 | 1047 | 1046 | 1046 | 1047 | 1048 | 1049 | 1049 | 1050 | 1048 | 1048 | 1047 | 1049 | 1051 | 1052 | 1050 | 1050 | 1049 |
| 4 | Q 1050 | 1050 | 1050 | 1050 | 1049 | 1048 | 1048 | 1048 | 1047 | 1046 | 1045 | 1045 | 1046 | 1046 | 1047 | 1047 | 1047 | 1047 | 1048 | 1052 | 1052 | 1049 | 1049 | 1049 | 1048 |
| 5 | D 1048 | 1048 | 1048 | 1048 | 1048 | 1048 | 1048 | 1046 | 1044 | 1043 | 1042 | 1042 | 1040 | 1040 | 1039 | 1042 | 1043 | 1043 | 1043 | 1053 | 1069 | 1060 | 1048 | 1059 | 1040 |
| 6 | 1047 | 1059 | 1051 | 1050 | 1053 | 1049 | 1050 | 1050 | 1047 | 1045 | 1044 | 1046 | 1046 | 1048 | 1048 | 1048 | 1049 | 1049 | 1048 | 1049 | 1053 | 1054 | 1052 | 1053 | 1050 |
| 7 | 1041 | 1049 | 1053 | 1051 | 1050 | 1050 | 1047 | 1045 | 1041 | 1040 | 1040 | 1043 | 1044 | 1046 | 1047 | 1047 | 1046 | 1044 | 1062 | 1050 | 1063 | 1058 | 1049 | 1052 | 1048 |
| 8 | 1052 | 1051 | 1052 | 1051 | 1050 | 1050 | 1049 | 1048 | 1046 | 1044 | 1043 | 1044 | 1046 | 1048 | 1049 | 1049 | 1049 | 1048 | 1049 | 1050 | 1051 | 1052 | 1049 | 1051 | 1049 |
| 9 | 1050 | 1052 | 1051 | 1051 | 1050 | 1050 | 1049 | 1047 | 1044 | 1041 | 1037 | 1038 | 1042 | 1043 | 1044 | 1047 | 1048 | 1048 | 1049 | 1050 | 1051 | 1052 | 1050 | 1050 | 1047 |
| 10 | 1049 | 1049 | 1049 | 1048 | 1048 | 1049 | 1050 | 1050 | 1048 | 1047 | 1045 | 1043 | 1046 | 1048 | 1049 | 1049 | 1048 | 1051 | 1053 | 1054 | 1057 | 1051 | 1049 | 1049 | 1049 |
| 11 | Q 1048 | 1048 | 1049 | 1049 | 1050 | 1050 | 1050 | 1049 | 1046 | 1044 | 1044 | 1046 | 1048 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1051 | 1052 | 1052 | 1052 | 1049 |
| 12 | 1052 | 1049 | 1048 | 1050 | 1051 | 1052 | 1051 | 1048 | 1044 | 1042 | 1040 | 1042 | 1044 | 1042 | 1045 | 1046 | 1048 | 1048 | 1048 | 1049 | 1048 | 1054 | 1049 | 1048 | 1048 |
| 13 | 1048 | 1049 | 1048 | 1048 | 1047 | 1048 | 1046 | 1042 | 1045 | 1041 | 1040 | 1041 | 1043 | 1045 | 1046 | 1047 | 1049 | 1047 | 1049 | 1051 | 1067 | 1059 | 1068 | 1054 | 1049 |
| 14 | D 1044 | 1053 | 1049 | 1048 | 1050 | 1047 | 1033 | 1038 | 1041 | 1043 | 1035 | 1038 | 1039 | 1044 | 1047 | 1048 | 1048 | 1048 | 1048 | 1050 | 1051 | 1050 | 1050 | 1050 | 1045 |
| 15 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1049 | 1047 | 1045 | 1044 | 1045 | 1046 | 1046 | 1047 | 1048 | 1048 | 1048 | 1046 | 1061 | 1048 | 1049 | 1053 | 1057 | 1049 |
| 16 | D 1056 | 1058 | 1053 | | | | | | | | | | | | | | | | | | | | | | |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

VERTICAL COMPONENT Z IN NT JANUARY 2009 Z = 51000 + TABULAR VALUES

| DAY/ UT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN | |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|
| 1 D | 324 | 339 | 339 | 336 | 336 | 333 | 340 | 355 | 354 | 354 | 351 | 359 | 372 | 371 | 367 | 374 | 361 | 355 | 362 | 355 | 348 | 335 | 294 | 311 | 347 | |
| 2 | 342 | 349 | 349 | 348 | 346 | 348 | 349 | 349 | 349 | 351 | 352 | 352 | 352 | 352 | 355 | 355 | 358 | 371 | 378 | 360 | 340 | 286 | 230 | 258 | 341 | |
| 3 D | 269 | 280 | 285 | 299 | 312 | 327 | 336 | 342 | 350 | 367 | 406 | 379 | 366 | 356 | 357 | 361 | 382 | 397 | 365 | 352 | 354 | 342 | 287 | 301 | 341 | |
| 4 | 306 | 334 | 340 | 347 | 350 | 349 | 352 | 351 | 351 | 353 | 355 | 359 | 359 | 359 | 361 | 380 | 380 | 386 | 368 | 356 | 347 | 344 | 342 | 354 | | |
| 5 | 337 | 340 | 346 | 350 | 351 | 351 | 349 | 349 | 350 | 352 | 354 | 355 | 355 | 353 | 358 | 379 | 374 | 391 | 403 | 387 | 357 | 294 | 304 | 332 | 353 | |
| 6 | 347 | 345 | 339 | 324 | 338 | 346 | 346 | 348 | 350 | 352 | 354 | 355 | 359 | 361 | 366 | 374 | 375 | 368 | 360 | 356 | 352 | 350 | 347 | 342 | 352 | |
| 7 | 339 | 341 | 343 | 345 | 343 | 346 | 348 | 348 | 350 | 351 | 352 | 352 | 353 | 352 | 351 | 353 | 359 | 364 | 361 | 356 | 352 | 350 | 345 | 332 | 349 | |
| 8 | 339 | 346 | 350 | 351 | 349 | 349 | 349 | 348 | 349 | 349 | 350 | 352 | 354 | 355 | 360 | 373 | 382 | 358 | 355 | 355 | 352 | 347 | 325 | 303 | 350 | |
| 9 | 297 | 332 | 342 | 341 | 341 | 344 | 348 | 348 | 348 | 350 | 349 | 352 | 358 | 363 | 360 | 360 | 356 | 353 | 351 | 354 | 356 | 357 | 353 | 350 | 341 | 348 |
| 10 | 342 | 296 | 303 | 321 | 335 | 339 | 345 | 348 | 350 | 351 | 354 | 355 | 353 | 352 | 351 | 351 | 350 | 351 | 353 | 356 | 356 | 350 | 332 | 336 | 343 | |
| 11 Q | 345 | 346 | 354 | 353 | 352 | 349 | 348 | 348 | 348 | 348 | 351 | 350 | 352 | 353 | 354 | 356 | 363 | 365 | 361 | 358 | 354 | 354 | 352 | 351 | 353 | |
| 12 Q | 351 | 352 | 351 | 351 | 350 | 351 | 352 | 352 | 351 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 351 | 353 | 355 | 352 | 349 | 348 | 351 | |
| 13 | 349 | 347 | 340 | 343 | 341 | 343 | 343 | 347 | 345 | 346 | 348 | 348 | 348 | 351 | 353 | 356 | 360 | 365 | 370 | 380 | 373 | 363 | 348 | 349 | 352 | |
| 14 | 353 | 350 | 345 | 340 | 345 | 347 | 349 | 348 | 349 | 350 | 352 | 355 | 369 | 379 | 376 | 363 | 364 | 367 | 353 | 357 | 350 | 337 | 311 | 267 | 349 | |
| 15 | 275 | 301 | 330 | 344 | 339 | 337 | 333 | 336 | 341 | 347 | 349 | 355 | 357 | 356 | 354 | 352 | 353 | 375 | 417 | 388 | 347 | 323 | 315 | 340 | 344 | |
| 16 | 340 | 355 | 358 | 355 | 353 | 352 | 353 | 353 | 352 | 351 | 352 | 353 | 354 | 353 | 354 | 356 | 356 | 357 | 351 | 351 | 351 | 351 | 351 | 351 | 351 | 353 |
| 17 | 351 | 351 | 351 | 351 | 350 | 351 | 351 | 350 | 351 | 353 | 353 | 353 | 352 | 354 | 357 | 356 | 360 | 372 | 384 | 383 | 377 | 361 | 356 | 354 | 357 | |
| 18 | 355 | 353 | 352 | 354 | 353 | 352 | 352 | 353 | 351 | 351 | 351 | 351 | 351 | 351 | 351 | 352 | 355 | 356 | 365 | 362 | 358 | 357 | 354 | 353 | 354 | |
| 19 D | 353 | 336 | 230 | 311 | 342 | 341 | 343 | 348 | 354 | 352 | 351 | 352 | 353 | 353 | 354 | 358 | 364 | 405 | 390 | 388 | 359 | 347 | 345 | 342 | 349 | |
| 20 | 311 | 340 | 350 | 356 | 356 | 353 | 352 | 354 | 354 | 354 | 354 | 354 | 354 | 354 | 353 | 353 | 352 | 352 | 353 | 366 | 338 | 340 | 349 | 355 | 350 | |
| 21 | 353 | 354 | 354 | 352 | 351 | 351 | 351 | 351 | 350 | 351 | 350 | 351 | 352 | 351 | 352 | 353 | 358 | 360 | 374 | 395 | 388 | 341 | 313 | 319 | 322 | 340 |
| 22 Q | 347 | 352 | 352 | 350 | 350 | 351 | 351 | 351 | 351 | 351 | 352 | 352 | 352 | 353 | 351 | 351 | 355 | 360 | 354 | 351 | 350 | 351 | 350 | 350 | 351 | |
| 23 Q | 350 | 349 | 349 | 349 | 349 | 349 | 349 | 348 | 349 | 349 | 349 | 349 | 350 | 351 | 351 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 343 | 342 | 343 | 349 |
| 24 Q | 347 | 349 | 348 | 345 | 342 | 346 | 349 | 350 | 349 | 348 | 348 | 349 | 349 | 349 | 350 | 350 | 350 | 350 | 349 | 349 | 348 | 349 | 350 | 348 | 344 | 348 |
| 25 | 342 | 341 | 342 | 344 | 344 | 346 | 348 | 348 | 347 | 346 | 347 | 348 | 348 | 350 | 351 | 351 | 352 | 351 | 351 | 350 | 349 | 351 | 342 | 333 | 347 | |
| 26 D | 318 | 297 | 337 | 342 | 341 | 345 | 348 | 348 | 348 | 349 | 352 | 356 | 380 | 422 | 440 | 451 | 471 | 463 | 384 | 358 | 352 | 350 | 350 | 350 | 369 | |
| 27 | 352 | 352 | 352 | 351 | 351 | 352 | 353 | 353 | 352 | 351 | 351 | 351 | 352 | 354 | 355 | 356 | 361 | 383 | 381 | 368 | 327 | 251 | 310 | 338 | 348 | |
| 28 | 352 | 351 | 351 | 351 | 352 | 352 | 352 | 352 | 351 | 350 | 352 | 354 | 353 | 353 | 352 | 351 | 351 | 351 | 352 | 353 | 354 | 344 | 343 | 349 | 351 | |
| 29 | 350 | 349 | 349 | 348 | 347 | 344 | 340 | 343 | 346 | 350 | 353 | 356 | 356 | 355 | 355 | 353 | 355 | 354 | 353 | 350 | 348 | 348 | 348 | 349 | 350 | |
| 30 | 352 | 351 | 350 | 346 | 346 | 349 | 348 | 347 | 346 | 348 | 350 | 350 | 349 | 349 | 349 | 350 | 352 | 357 | 360 | 367 | 353 | 345 | 346 | 348 | 350 | |
| 31 D | 354 | 352 | 348 | 347 | 343 | 340 | 338 | 343 | 347 | 349 | 351 | 352 | 363 | 368 | 365 | 371 | 371 | 380 | 355 | 349 | 348 | 339 | 309 | 313 | 350 | |
| MEANS ALL | 337 | 340 | 340 | 343 | 345 | 346 | 347 | 349 | 350 | 351 | 353 | 354 | 356 | 358 | 359 | 361 | 365 | 369 | 366 | 359 | 348 | 342 | 333 | 335 | 350 | |
| QUIET | 348 | 349 | 351 | 350 | 349 | 349 | 350 | 350 | 350 | 349 | 350 | 350 | 351 | 351 | 351 | 352 | 354 | 355 | 353 | 352 | 352 | 350 | 348 | 347 | 350 | |
| DIST. | 324 | 321 | 308 | 327 | 335 | 337 | 341 | 347 | 350 | 354 | 362 | 359 | 367 | 374 | 377 | 383 | 390 | 400 | 371 | 360 | 352 | 343 | 317 | 323 | 351 | |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

VERTICAL COMPONENT Z IN NT FEBRUARY 2009 Z = 51000 + TABULAR VALUES

| DAY/ UT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN | |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|
| 1 | 341 | 349 | 348 | 346 | 340 | 341 | 346 | 349 | 350 | 351 | 354 | 355 | 354 | 353 | 353 | 353 | 352 | 352 | 352 | 354 | 353 | 348 | 341 | 347 | 349 | |
| 2 Q | 348 | 350 | 350 | 350 | 350 | 350 | 349 | 349 | 350 | 350 | 350 | 351 | 350 | 350 | 351 | 351 | 351 | 353 | 351 | 352 | 351 | 349 | 347 | 348 | 350 | |
| 3 | 348 | 348 | 350 | 351 | 350 | 349 | 348 | 349 | 348 | 348 | 349 | 349 | 350 | 350 | 350 | 351 | 351 | 352 | 354 | 360 | 358 | 355 | 224 | 190 | 339 | |
| 4 D | 261 | 386 | 382 | 362 | 354 | 351 | 351 | 350 | 348 | 349 | 355 | 373 | 382 | 430 | 479 | 362 | 215 | 285 | 343 | 392 | 388 | 384 | 342 | 298 | 355 | |
| 5 | 256 | 229 | 327 | 348 | 350 | 353 | 357 | 360 | 359 | 362 | 366 | 362 | 357 | 357 | 358 | 356 | 358 | 362 | 364 | 364 | 361 | 360 | 302 | 341 | 345 | |
| 6 | 334 | 303 | 343 | 341 | 345 | 347 | 350 | 353 | 354 | 354 | 354 | 354 | 354 | 353 | 354 | 354 | 354 | 354 | 354 | 354 | 354 | 354 | 349 | 333 | 348 | |
| 7 | 350 | 353 | 352 | 351 | 346 | 344 | 345 | 345 | 348 | 349 | 349 | 350 | 353 | 357 | 361 | 364 | 365 | 362 | 356 | 352 | 352 | 352 | 347 | 347 | 352 | |
| 8 Q | 353 | 352 | 351 | 349 | 350 | 350 | 348 | 348 | 348 | 349 | 350 | 351 | 352 | 351 | 352 | 354 | 354 | 354 | 354 | 353 | 352 | 351 | 351 | 352 | 349 | 351 |
| 9 | 332 | 344 | 353 | 352 | 350 | 348 | 348 | 349 | 348 | 349 | 351 | 352 | 351 | 352 | 353 | 354 | 355 | 355 | 354 | 356 | 359 | 354 | 341 | 353 | 351 | |
| 10 Q | 355 | 353 | 351 | 350 | 349 | 349 | 349 | 349 | 349 | 350 | 351 | 350 | 350 | 350 | 351 | 351 | 352 | 352 | 352 | 355 | 361 | 361 | 349 | 350 | 352 | |
| 11 | 351 | 347 | 336 | 347 | 348 | 348 | 347 | 345 | 346 | 346 | 347 | 348 | 350 | 352 | 353 | 352 | 351 | 353 | 367 | 362 | 359 | 359 | 351 | 351 | 351 | |
| 12 | 351 | 351 | 351 | 351 | 351 | 350 | 350 | 349 | 348 | 349 | 349 | 352 | 358 | 362 | 366 | 374 | 372 | 372 | 367 | 363 | 355 | 352 | 348 | 348 | 356 | |
| 13 | 352 | 352 | 352 | 352 | 352 | 351 | 350 | 349 | 348 | 347 | 348 | 349 | 349 | 349 | 350 | 352 | 354 | 366 | 365 | 376 | 361 | 353 | 344 | 345 | 353 | |
| 14 D | 349 | 347 | 344 | 341 | 334 | 332 | 341 | 347 | 343 | 357 | 358 | 364 | 410 | 444 | 419 | 425 | 399 | 362 | 360 | 360 | 354 | 324 | 235 | 234 | 353 | |
| 15 D | 282 | 294 | 315 | 296 | 277 | 321 | 335 | 340 | 344 | 350 | 351 | 366 | 412 | 391 | 392 | 394 | 425 | 363 | 362 | 363 | 314 | 257 | 290 | 326 | 337 | |
| 16 | 347 | 348 | 353 | 355 | 353 | 352 | 351 | 352 | 351 | 353 | 357 | 357 | 356 | 360 | 362 | 361 | 374 | 378 | 386 | 373 | 370 | 351 | 354 | 356 | 359 | |
| 17 Q | 354 | 356 | 355 | 354 | 353 | 354 | 353 | 354 | 355 | 355 | 356 | 357 | 357 | 357 | 356 | 356 | 357 | 358 | 356 | 357 | 357 | 355 | 349 | 349 | 355 | |
| 18 | 337 | 343 | 351 | 350 | 351 | 350 | 350 | 352 | 353 | 354 | 355 | 356 | 355 | 356 | 356 | 356 | 366 | 366 | 373 | 366 | 355 | 355 | 334 | 324 | 352 | |
| 19 Q | 353 | 355 | 353 | 352 | 352 | 352 | 352 | 354 | 354 | 353 | 353 | 352 | 352 | 353 | 357 | 360 | 364 | 359 | 359 | 360 | 355 | 352 | 353 | 351 | 355 | |
| 20 | 348 | 349 | 350 | 349 | 347 | 346 | 344 | 345 | 348 | 349 | 350 | 353 | 355 | 356 | 355 | 356 | 360 | 359 | 368 | 378 | 297 | 320 | 340 | 322 | 348 | |
| 21 | 340 | 352 | 351 | 349 | 349 | 350 | 349 | 348 | 349 | 351 | 3 | | | | | | | | | | | | | | | |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

VERTICAL COMPONENT Z IN NT

MAY 2009

Z = 51000 + TABULAR VALUES

| DAY/ UT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN | | |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|--|
| 1 | 354 | 358 | 360 | 359 | 354 | 352 | 350 | 347 | 344 | 345 | 349 | 351 | 359 | 371 | 381 | 387 | 369 | 359 | 356 | 356 | 353 | 348 | 335 | 343 | 356 | | |
| 2 | 353 | 354 | 354 | 353 | 352 | 349 | 347 | 349 | 350 | 350 | 350 | 350 | 355 | 357 | 360 | 361 | 359 | 357 | 356 | 355 | 355 | 355 | 345 | 347 | 336 | 352 | |
| 3 | 305 | 341 | 355 | 358 | 357 | 354 | 349 | 348 | 347 | 351 | 352 | 354 | 355 | 360 | 359 | 362 | 359 | 357 | 355 | 355 | 355 | 355 | 355 | 356 | 352 | | |
| 4 | 357 | 357 | 357 | 357 | 356 | 356 | 353 | 349 | 347 | 349 | 353 | 359 | 365 | 371 | 376 | 378 | 365 | 359 | 356 | 354 | 354 | 355 | 356 | 357 | 358 | | |
| 5 | Q | 358 | 358 | 359 | 359 | 358 | 355 | 350 | 347 | 350 | 351 | 348 | 347 | 353 | 362 | 370 | 365 | 357 | 355 | 354 | 353 | 353 | 353 | 353 | 355 | | |
| 6 | D | 354 | 354 | 344 | 332 | 331 | 343 | 347 | 345 | 347 | 349 | 350 | 348 | 351 | 363 | 374 | 366 | 375 | 392 | 365 | 353 | 332 | 337 | 298 | 261 | 346 | |
| 7 | D | 272 | 273 | 331 | 339 | 338 | 349 | 357 | 356 | 356 | 357 | 359 | 367 | 366 | 372 | 383 | 388 | 389 | 378 | 370 | 362 | 348 | 262 | 239 | 165 | 337 | |
| 8 | D | 194 | 212 | 219 | 300 | 318 | 329 | 355 | 358 | 368 | 363 | 364 | 358 | 372 | 401 | 398 | 387 | 381 | 376 | 361 | 330 | 307 | 301 | 341 | 337 | | |
| 9 | | 360 | 362 | 364 | 364 | 361 | 359 | 357 | 355 | 358 | 361 | 370 | 370 | 362 | 359 | 376 | 391 | 381 | 367 | 363 | 360 | 352 | 325 | 335 | 311 | 359 | |
| 10 | | 301 | 317 | 342 | 357 | 363 | 361 | 361 | 361 | 359 | 357 | 352 | 356 | 362 | 374 | 382 | 379 | 369 | 361 | 362 | 362 | 349 | 325 | 352 | 357 | 355 | |
| 11 | | 333 | 315 | 340 | 358 | 363 | 363 | 361 | 358 | 358 | 358 | 358 | 363 | 364 | 368 | 373 | 377 | 381 | 379 | 368 | 362 | 361 | 355 | 355 | 358 | 359 | |
| 12 | Q | 357 | 359 | 361 | 362 | 362 | 359 | 356 | 353 | 353 | 355 | 352 | 353 | 357 | 357 | 358 | 363 | 370 | 365 | 361 | 359 | 357 | 345 | 347 | 339 | 357 | |
| 13 | | 342 | 344 | 349 | 356 | 356 | 356 | 355 | 353 | 352 | 349 | 350 | 351 | 350 | 355 | 355 | 357 | 364 | 373 | 364 | 359 | 358 | 359 | 358 | 357 | 355 | |
| 14 | D | 358 | 358 | 359 | 357 | 349 | 352 | 351 | 351 | 353 | 354 | 352 | 349 | 359 | 358 | 356 | 354 | 354 | 368 | 379 | 352 | 338 | 339 | 336 | 326 | 352 | |
| 15 | | 349 | 354 | 356 | 357 | 356 | 359 | 362 | 358 | 353 | 353 | 356 | 357 | 360 | 363 | 368 | 372 | 371 | 368 | 364 | 362 | 360 | 359 | 358 | 359 | 360 | |
| 16 | | 357 | 359 | 359 | 359 | 358 | 357 | 357 | 355 | 352 | 351 | 354 | 357 | 356 | 358 | 361 | 368 | 368 | 365 | 362 | 348 | 337 | 332 | 319 | 335 | 354 | |
| 17 | Q | 346 | 354 | 360 | 359 | 359 | 363 | 361 | 356 | 357 | 360 | 359 | 355 | 354 | 355 | 356 | 356 | 357 | 359 | 359 | 359 | 358 | 358 | 358 | 358 | 357 | |
| 18 | | 357 | 355 | 352 | 348 | 345 | 348 | 355 | 356 | 356 | 351 | 351 | 353 | 354 | 356 | 358 | 359 | 359 | 361 | 363 | 362 | 358 | 357 | 351 | 329 | 354 | |
| 19 | | 326 | 332 | 342 | 351 | 347 | 340 | 347 | 351 | 353 | 352 | 352 | 358 | 363 | 367 | 370 | 364 | 361 | 360 | 358 | 344 | 340 | 357 | 360 | 358 | 352 | |
| 20 | | 358 | 359 | 359 | 357 | 356 | 354 | 354 | 352 | 352 | 353 | 354 | 357 | 357 | 356 | 358 | 362 | 365 | 361 | 354 | 353 | 355 | 356 | 357 | 358 | 357 | |
| 21 | | 357 | 357 | 358 | 360 | 357 | 355 | 356 | 356 | 348 | 345 | 348 | 355 | 365 | 364 | 362 | 359 | 358 | 355 | 354 | 355 | 355 | 356 | 357 | 358 | 356 | |
| 22 | | 359 | 360 | 360 | 360 | 358 | 359 | 360 | 357 | 355 | 356 | 349 | 350 | 362 | 386 | 393 | 369 | 389 | 402 | 363 | 356 | 356 | 357 | 359 | 362 | 365 | |
| 23 | | 364 | 364 | 363 | 362 | 361 | 360 | 360 | 357 | 358 | 359 | 358 | 354 | 353 | 354 | 359 | 360 | 360 | 364 | 368 | 364 | 345 | 268 | 294 | 338 | 352 | |
| 24 | | 346 | 350 | 359 | 356 | 356 | 355 | 356 | 358 | 357 | 358 | 356 | 361 | 359 | 362 | 363 | 369 | 369 | 362 | 359 | 360 | 359 | 350 | 349 | 356 | 358 | |
| 25 | Q | 359 | 362 | 363 | 363 | 360 | 362 | 364 | 361 | 359 | 356 | 354 | 355 | 356 | 356 | 359 | 362 | 362 | 360 | 361 | 360 | 359 | 355 | 353 | 345 | 359 | |
| 26 | | 356 | 362 | 363 | 362 | 359 | 357 | 354 | 354 | 355 | 360 | 357 | 355 | 356 | 353 | 356 | 363 | 367 | 366 | 361 | 359 | 359 | 354 | 352 | 359 | 358 | |
| 27 | Q | 361 | 362 | 362 | 362 | 359 | 356 | 353 | 351 | 350 | 351 | 351 | 352 | 352 | 355 | 361 | 361 | 359 | 359 | 361 | 362 | 359 | 354 | 348 | 348 | 356 | |
| 28 | D | 354 | 356 | 357 | 357 | 358 | 358 | 349 | 345 | 341 | 344 | 354 | 362 | 393 | 390 | 370 | 377 | 377 | 363 | 357 | 356 | 356 | 355 | 356 | 361 | 361 | |
| 29 | | 356 | 356 | 356 | 356 | 358 | 357 | 356 | 354 | 350 | 353 | 359 | 366 | 378 | 401 | 403 | 391 | 392 | 385 | 365 | 357 | 354 | 351 | 353 | 350 | 365 | |
| 30 | | 351 | 357 | 360 | 352 | 347 | 349 | 353 | 355 | 355 | 360 | 362 | 360 | 358 | 360 | 364 | 367 | 368 | 368 | 366 | 366 | 366 | 364 | 361 | 360 | 360 | |
| 31 | | 359 | 360 | 363 | 365 | 365 | 362 | 361 | 358 | 353 | 352 | 354 | 357 | 358 | 359 | 361 | 361 | 364 | 368 | 378 | 374 | 364 | 358 | 346 | 348 | 360 | |
| MEANS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALL | | 342 | 346 | 351 | 355 | 354 | 355 | 354 | 353 | 354 | 355 | 356 | 360 | 365 | 368 | 370 | 369 | 368 | 363 | 358 | 353 | 344 | 342 | 340 | 345 | 355 | |
| QUIET | | 356 | 359 | 361 | 361 | 360 | 359 | 358 | 354 | 353 | 354 | 354 | 352 | 353 | 355 | 359 | 363 | 363 | 360 | 359 | 359 | 357 | 353 | 352 | 349 | 357 | |
| DIST. | | 306 | 311 | 322 | 337 | 339 | 346 | 352 | 351 | 353 | 353 | 356 | 358 | 368 | 377 | 376 | 375 | 376 | 379 | 371 | 357 | 341 | 320 | 306 | 290 | 347 | |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

VERTICAL COMPONENT Z IN NT

JUNE 2009

Z = 51000 + TABULAR VALUES

| DAY/ UT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN | |
|---------|---|-----|-----|-----|-----|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|
| 1 | Q | 353 | 355 | 355 | 358 | 359 | 357 | 359 | 365 | 363 | 360 | 356 | 358 | 359 | 360 | 358 | 359 | 360 | 362 | 362 | 364 | 363 | 361 | 360 | 361 | 360 |
| 2 | | 359 | 359 | 360 | 358 | 355 | 358 | 358 | 354 | 351 | 350 | 352 | 351 | 351 | 355 | 363 | 364 | 364 | 359 | 356 | 357 | 358 | 358 | 358 | 355 | 357 |
| 3 | | 349 | 346 | 354 | 357 | 358 | 357 | 357 | 354 | 353 | 350 | 346 | 346 | 353 | 357 | 362 | 367 | 364 | 364 | 365 | 360 | 361 | 356 | 333 | 349 | 355 |
| 4 | | 356 | 357 | 354 | 347 | 336 | 327 | 338 | 342 | 341 | 345 | 351 | 356 | 365 | 367 | 365 | 365 | 366 | 371 | 369 | 365 | 350 | 325 | 295 | 274 | 347 |
| 5 | | 313 | 342 | 341 | 337 | 338 | 337 | 341 | 351 | 359 | 367 | 372 | 372 | 360 | 373 | 408 | 401 | 387 | 371 | 371 | 366 | 361 | 360 | 352 | 345 | 359 |
| 6 | | 343 | 361 | 359 | 358 | 355 | 352 | 351 | 349 | 346 | 349 | 356 | 363 | 366 | 366 | 365 | 360 | 360 | 362 | 362 | 366 | 351 | 345 | 349 | 356 | 356 |
| 7 | | 361 | 362 | 359 | 357 | 359 | 358 | 360 | 362 | 362 | 356 | 354 | 364 | 372 | 373 | 377 | 380 | 375 | 362 | 372 | 369 | 362 | 352 | 335 | 323 | 361 |
| 8 | | 337 | 345 | 346 | 355 | 355 | 359 | 360 | 359 | 359 | 362 | 363 | 362 | 361 | 365 | 369 | 377 | 375 | 366 | 361 | 359 | 357 | 358 | 356 | 357 | 359 |
| 9 | Q | 357 | 360 | 362 | 362 | 360 | 358 | 355 | 352 | 353 | 356 | 358 | 359 | 359 | 365 | 371 | 371 | 363 | 358 | 357 | 356 | 355 | 356 | 356 | 353 | 359 |
| 10 | | 357 | 360 | 359 | 358 | 359 | 357 | 355 | 353 | 354 | 353 | 357 | 359 | 364 | 366 | 371 | 381 | 378 | 366 | 361 | 361 | 360 | 359 | 359 | 361 | 361 |
| 11 | | 357 | 354 | 354 | 357 | 359 | 358 | 354 | 352 | 358 | 359 | 356 | 354 | 356 | 359 | 361 | 362 | 366 | 366 | 366 | 363 | 359 | 360 | 359 | 357 | 359 |
| 12 | Q | 356 | 360 | 359 | 362 | 363 | 359 | 358 | 360 | 359 | 358 | 358 | 361 | 360 | 359 | 362 | 364 | 366 | 364 | 361 | 360 | 360 | 360 | 360 | 360 | 360 |
| 13 | | 360 | 361 | 361 | 360 | 361 | 361 | 360 | 353 | 351 | 350 | 352 | 355 | 359 | 367 | 372 | 375 | 375 | 368 | 364 | 362 | 361 | 350 | 344 | 348 | 360 |
| 14 | | 359 | 360 | 359 | 359 | 360 | 359 | 358 | 354 | 353 | 356 | 358 | 365 | 367 | 371 | 370 | 381 | 375 | 377 | 380 | 363 | 350 | 352 | 346 | 361 | 362 |
| 15 | | 364 | 361 | 356 | 358 | 355 | 355 | 358 | 357 | 358 | 354 | 354 | 361 | 358 | 359 | 362 | 363 | 364 | 364 | 363 | 363 | 362 | 356 | 357 | 360 | 359 |
| 16 | | 362 | 363 | 363 | 362 | 360 | 360 | 356 | 354 | 355 | 352 | 350 | 350 | 352 | 360 | 360 | 360 | 362 | 362 | 360 | 359 | 361 | 361 | 362 | 362 | 359 |
| 17 | Q | 362 | 361 | 361 | 361 | 361 | 360 | 359 | 365 | 368 | 363 | 358 | 354 | 355 | 359 | 364 | 364 | 364 | 362 | 360 | 358 | 359 | 360 | 361 | 360 | 361 |
| 18 | | 359 | 359 | 360 | 360 | 361 | 360 | 356 | 355 | 357 | 357 | 356 | 354 | 356 | 360 | 361 | 363 | 365 | 364 | 367 | 365 | 363 | 362 | 362 | 357 | 360 |
| 19 | | 347 | 354 | 360 | 359 | 359 | 358 | 359 | 358 | 355 | 355 | 354 | 355 | 356 | 360 | 362 | 364 | 367 | 365 | 363 | 362 | 361 | 360 | 361 | 362 | 359 |
| 20 | | 362 | 362 | 359 | 360 | 361</ | | | | | | | | | | | | | | | | | | | | |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

VERTICAL COMPONENT Z IN NT

JULY 2009

Z = 51000 + TABULAR VALUES

| DAY/ UT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN | | |
|---------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--|--|
| 1 | 370 | 369 | 365 | 357 | 360 | 364 | 363 | 359 | 363 | 365 | 364 | 364 | 363 | 362 | 361 | 358 | 364 | 367 | 366 | 366 | 365 | 362 | 359 | 354 | 363 | | |
| 2 | Q 347 | 354 | 361 | 361 | 362 | 363 | 363 | 364 | 367 | 368 | 371 | 370 | 367 | 370 | 368 | 363 | 362 | 366 | 366 | 364 | 362 | 363 | 360 | 362 | 363 | | |
| 3 | 361 | 362 | 363 | 362 | 361 | 360 | 362 | 363 | 363 | 359 | 354 | 359 | 365 | 367 | 372 | 369 | 366 | 364 | 361 | 359 | 359 | 349 | 329 | 329 | 359 | | |
| 4 | 338 | 340 | 338 | 340 | 349 | 357 | 360 | 359 | 359 | 363 | 369 | 366 | 367 | 377 | 381 | 375 | 377 | 379 | 377 | 369 | 361 | 350 | 349 | 355 | 361 | | |
| 5 | 363 | 363 | 363 | 352 | 345 | 346 | 350 | 356 | 360 | 357 | 355 | 355 | 358 | 358 | 359 | 361 | 360 | 359 | 359 | 365 | 339 | 341 | 366 | 363 | 356 | | |
| 6 | 362 | 362 | 365 | 363 | 356 | 356 | 360 | 358 | 356 | 355 | 357 | 360 | 360 | 365 | 379 | 376 | 371 | 370 | 365 | 362 | 357 | 321 | 334 | 337 | 359 | | |
| 7 | 344 | 350 | 351 | 353 | 359 | 359 | 357 | 355 | 357 | 359 | 361 | 359 | 359 | 361 | 367 | 384 | 399 | 386 | 378 | 368 | 362 | 365 | 367 | 367 | 364 | | |
| 8 | 368 | 366 | 362 | 358 | 353 | 353 | 358 | 358 | 364 | 370 | 372 | 380 | 384 | 396 | 398 | 386 | 381 | 376 | 373 | 372 | 368 | 348 | 338 | 344 | 368 | | |
| 9 | 307 | 315 | 349 | 364 | 370 | 366 | 365 | 364 | 366 | 365 | 364 | 359 | 360 | 364 | 365 | 361 | 367 | 375 | 376 | 365 | 372 | 364 | 341 | 338 | 358 | | |
| 10 | D 296 | 321 | 355 | 355 | 354 | 354 | 357 | 358 | 357 | 356 | 356 | 363 | 364 | 365 | 361 | 361 | 369 | 368 | 374 | 371 | 365 | 351 | 303 | 291 | 351 | | |
| 11 | 327 | 348 | 358 | 361 | 366 | 362 | 363 | 362 | 363 | 364 | 362 | 358 | 360 | 366 | 369 | 368 | 368 | 366 | 364 | 363 | 361 | 360 | 352 | 349 | 360 | | |
| 12 | 349 | 357 | 358 | 358 | 357 | 356 | 359 | 359 | 359 | 356 | 353 | 358 | 366 | 367 | 367 | 366 | 369 | 369 | 365 | 362 | 362 | 361 | 350 | 345 | 351 | | |
| 13 | D 346 | 345 | 351 | 355 | 356 | 354 | 356 | 357 | 360 | 359 | 358 | 354 | 356 | 362 | 393 | 435 | 407 | 388 | 352 | 377 | 303 | 279 | 298 | 271 | 353 | | |
| 14 | D 257 | 204 | 241 | 291 | 352 | 366 | 364 | 369 | 369 | 369 | 365 | 364 | 376 | 393 | 415 | 417 | 392 | 396 | 392 | 377 | 370 | 365 | 304 | 302 | 348 | | |
| 15 | 329 | 349 | 343 | 356 | 359 | 363 | 365 | 363 | 362 | 360 | 363 | 363 | 369 | 370 | 388 | 398 | 383 | 367 | 367 | 368 | 365 | 361 | 354 | 360 | 364 | | |
| 16 | 362 | 364 | 364 | 366 | 365 | 364 | 368 | 368 | 368 | 368 | 368 | 367 | 368 | 369 | 370 | 366 | 363 | 362 | 365 | 366 | 363 | 358 | 355 | 362 | 365 | | |
| 17 | Q 365 | 365 | 365 | 366 | 364 | 362 | 362 | 361 | 361 | 361 | 362 | 363 | 363 | 361 | 363 | 363 | 362 | 364 | 364 | 364 | 364 | 365 | 364 | 364 | 363 | | |
| 18 | Q 366 | 367 | 366 | 366 | 365 | 361 | 354 | 351 | 360 | 363 | 360 | 354 | 353 | 359 | 361 | 362 | 361 | 362 | 361 | 362 | 363 | 364 | 364 | 364 | 361 | | |
| 19 | Q 365 | 366 | 367 | 367 | 366 | 364 | 360 | 357 | 360 | 359 | 355 | 357 | 361 | 361 | 361 | 359 | 360 | 364 | 364 | 363 | 365 | 365 | 364 | 363 | 362 | | |
| 20 | 362 | 361 | 362 | 363 | 364 | 363 | 361 | 359 | 361 | 363 | 362 | 369 | 384 | 410 | 454 | 440 | 418 | 398 | 365 | 359 | 359 | 360 | 360 | 360 | 376 | | |
| 21 | 363 | 364 | 368 | 367 | 365 | 359 | 357 | 360 | 355 | 354 | 357 | 364 | 377 | 382 | 387 | 392 | 394 | 402 | 386 | 383 | 376 | 334 | 338 | 326 | 367 | | |
| 22 | D 322 | 286 | 208 | 274 | 103 | 206 | 268 | 325 | 370 | 373 | 350 | 384 | 389 | 389 | 396 | 404 | 383 | 398 | 371 | 304 | 355 | 363 | 358 | 350 | 330 | | |
| 23 | D 365 | 373 | 374 | 375 | 372 | 367 | 365 | 355 | 355 | 358 | 360 | 363 | 376 | 387 | 399 | 403 | 371 | 379 | 377 | 376 | 352 | 318 | 312 | 341 | 365 | | |
| 24 | 355 | 358 | 367 | 374 | 374 | 370 | 370 | 373 | 374 | 379 | 382 | 384 | 381 | 376 | 389 | 407 | 394 | 382 | 377 | 370 | 366 | 366 | 360 | 331 | 373 | | |
| 25 | 333 | 335 | 342 | 361 | 367 | 372 | 373 | 371 | 369 | 367 | 368 | 374 | 386 | 388 | 377 | 374 | 376 | 381 | 376 | 373 | 369 | 366 | 357 | 364 | 367 | | |
| 26 | Q 368 | 368 | 372 | 375 | 375 | 376 | 372 | 373 | 371 | 373 | 369 | 369 | 372 | 380 | 382 | 378 | 376 | 375 | 372 | 371 | 371 | 367 | 368 | 368 | 372 | | |
| 27 | 368 | 367 | 367 | 366 | 367 | 367 | 366 | 366 | 366 | 366 | 364 | 364 | 364 | 363 | 365 | 371 | 378 | 381 | 375 | 369 | 374 | 366 | 364 | 359 | 365 | | |
| 28 | 367 | 368 | 364 | 354 | 354 | 362 | 366 | 370 | 369 | 371 | 368 | 368 | 372 | 371 | 370 | 379 | 378 | 373 | 372 | 368 | 366 | 359 | 363 | 365 | 367 | | |
| 29 | 369 | 369 | 366 | 364 | 360 | 360 | 363 | 363 | 363 | 366 | 364 | 364 | 365 | 367 | 370 | 376 | 379 | 377 | 371 | 368 | 367 | 367 | 368 | 367 | 367 | | |
| 30 | 367 | 367 | 367 | 368 | 369 | 369 | 370 | 369 | 365 | 362 | 363 | 364 | 361 | 364 | 366 | 368 | 371 | 382 | 385 | 375 | 369 | 366 | 366 | 367 | 368 | | |
| 31 | 368 | 369 | 369 | 367 | 365 | 366 | 365 | 362 | 358 | 365 | 363 | 359 | 372 | 383 | 410 | 396 | 383 | 372 | 370 | 367 | 363 | 365 | 350 | 350 | 369 | | |
| MEANS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALL | 349 | 350 | 352 | 357 | 353 | 357 | 359 | 361 | 363 | 363 | 363 | 365 | 369 | 373 | 380 | 381 | 377 | 375 | 370 | 366 | 361 | 352 | 348 | 348 | 362 | | |
| QUIET | 362 | 364 | 366 | 367 | 366 | 365 | 362 | 361 | 364 | 365 | 363 | 362 | 363 | 366 | 367 | 365 | 364 | 366 | 366 | 365 | 365 | 365 | 364 | 364 | 365 | | |
| DIST. | 317 | 306 | 306 | 330 | 307 | 330 | 342 | 353 | 362 | 362 | 357 | 368 | 376 | 383 | 393 | 399 | 385 | 385 | 370 | 359 | 348 | 323 | 315 | 311 | 350 | | |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

VERTICAL COMPONENT Z IN NT

AUGUST 2009

Z = 51000 + TABULAR VALUES

| DAY/ UT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN |
|---------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 1 | 359 | 365 | 367 | 373 | 372 | 368 | 367 | 367 | 367 | 362 | 361 | 360 | 365 | 371 | 380 | 383 | 392 | 383 | 372 | 365 | 364 | 365 | 364 | 358 | 369 |
| 2 | 351 | 358 | 364 | 368 | 368 | 369 | 369 | 365 | 367 | 368 | 366 | 365 | 366 | 367 | 368 | 369 | 369 | 368 | 367 | 366 | 365 | 364 | 310 | 253 | 359 |
| 3 | 270 | 286 | 308 | 351 | 358 | 357 | 361 | 359 | 364 | 374 | 370 | 368 | 370 | 367 | 373 | 375 | 374 | 373 | 374 | 372 | 334 | 359 | 367 | 370 | 356 |
| 4 | 370 | 369 | 368 | 372 | 371 | 367 | 365 | 367 | 365 | 366 | 366 | 363 | 367 | 373 | 379 | 382 | 378 | 371 | 372 | 374 | 367 | 368 | 366 | 353 | 369 |
| 5 | 320 | 321 | 346 | 359 | 354 | 351 | 350 | 356 | 359 | 360 | 354 | 363 | 374 | 374 | 369 | 364 | 365 | 363 | 361 | 362 | 363 | 364 | 365 | 366 | 358 |
| 6 | D 366 | 367 | 366 | 360 | 353 | 335 | 334 | 320 | 339 | 346 | 353 | 365 | 369 | 373 | 407 | 418 | 389 | 390 | 377 | 361 | 337 | 360 | 354 | 350 | 362 |
| 7 | 353 | 366 | 372 | 369 | 369 | 371 | 371 | 368 | 367 | 367 | 368 | 371 | 376 | 379 | 381 | 385 | 386 | 384 | 385 | 379 | 309 | 258 | 249 | 312 | 358 |
| 8 | 354 | 372 | 371 | 362 | 363 | 369 | 374 | 373 | 370 | 364 | 365 | 370 | 371 | 376 | 377 | 376 | 373 | 368 | 370 | 369 | 366 | 364 | 369 | 369 | 369 |
| 9 | 369 | 369 | 368 | 356 | 341 | 343 | 343 | 356 | 366 | 373 | 378 | 386 | 400 | 376 | 371 | 371 | 372 | 374 | 374 | 372 | 366 | 312 | 348 | 354 | 364 |
| 10 | 326 | 356 | 371 | 373 | 371 | 366 | 364 | 364 | 367 | 367 | 366 | 368 | 370 | 371 | 369 | 371 | 372 | 370 | 372 | 369 | 370 | 356 | 360 | 361 | 365 |
| 11 | 368 | 369 | 370 | 370 | 369 | 370 | 367 | 363 | 363 | 363 | 363 | 366 | 368 | 370 | 372 | 371 | 380 | 388 | 387 | 384 | 368 | 318 | 329 | 348 | 366 |
| 12 | 352 | 369 | 371 | 371 | 368 | 365 | 363 | 362 | 364 | 364 | 365 | 366 | 379 | 399 | 389 | 366 | 365 | 371 | 373 | 373 | 360 | 332 | 306 | 304 | 362 |
| 13 | 323 | 357 | 368 | 369 | 367 | 367 | 369 | 364 | 361 | 364 | 369 | 375 | 379 | 385 | 394 | 384 | 380 | 376 | 378 | 372 | 368 | 362 | 355 | 358 | 368 |
| 14 | 347 | 357 | 367 | 369 | 372 | 369 | 367 | 365 | 368 | 369 | 368 | 372 | 374 | 372 | 368 | 370 | 371 | 369 | 369 | 368 | 368 | 362 | 362 | 352 | 367 |
| 15 | Q 345 | 369 | 371 | 370 | 369 | 371 | 371 | 369 | 369 | 366 | 361 | 363 | 370 | 376 | 377 | 380 | 377 | 372 | 371 | 371 | 369 | 367 | 367 | 368 | 369 |
| 16 | Q 368 | 366 | 366 | 370 | 370 | 368 | 363 | 361 | 361 | 364 | 364 | 364 | 368 | 371 | 370 | 371 | 370 | 370 | 368 | 368 | 368 | 362 | 363 | 360 | 366 |
| 17 | Q 364 | 366 | 369 | 370 | 368 | 366 | 365 | 362 | 360 | 359 | 360 | 361 | 366 | 368 | 369 | 367 | 365 | 365 | 367 | 374 | 377 | 361 | 364 | 367 | 366 |
| 18 | 368 | 367 | 368 | 369 | 364 | 365 | 368 | 365 | 364 | 363 | 364 | 367 | 367 | 371 | 372 | 370 | 368 | 367 | 364 | 349 | 350 | 361 | 366 | 366 | 366 |
| 19 | D 359 | 369 | 371 | 371 | 369 | 368 | 366 | 363 | 362 | 360 | 363 | 374 | 397 | 477 | 485 | 452 | 395 | 418 | 405 | 388 | 353 | 358 | 344 | 337 | 384 |
| 20 | D 324 | 367 | 354 | 300 | 348 | 367 | 371 | 367 | 369 | 371 | 381 | 375 | 376 | 389 | 402 | 374 | 367 | 369 | 373 | 380 | 365 | 336 | 295 | 347 | 360 |
| 21 | D 367 | 366</ | | | | | | | | | | | | | | | | | | | | | | | |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

VERTICAL COMPONENT Z IN NT

SEPTEMBER 2009

Z = 51000 + TABULAR VALUES

| DAY/ UT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN | |
|---------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|
| 1 | 374 | 374 | 375 | 374 | 372 | 371 | 369 | 367 | 368 | 369 | 370 | 375 | 383 | 388 | 386 | 381 | 376 | 372 | 370 | 369 | 368 | 369 | 368 | 359 | 373 | |
| 2 | 352 | 362 | 375 | 373 | 371 | 371 | 368 | 367 | 365 | 367 | 370 | 374 | 375 | 378 | 378 | 378 | 378 | 375 | 370 | 371 | 370 | 364 | 364 | 366 | 370 | |
| 3 | 369 | 372 | 374 | 374 | 373 | 373 | 371 | 370 | 371 | 372 | 374 | 375 | 376 | 378 | 380 | 374 | 369 | 370 | 379 | 372 | 336 | 325 | 349 | 370 | 369 | |
| 4 | D 371 | 370 | 371 | 367 | 352 | 348 | 345 | 350 | 359 | 362 | 362 | 367 | 371 | 380 | 389 | 388 | 380 | 381 | 378 | 368 | 351 | 356 | 367 | 370 | 367 | |
| 5 | 371 | 371 | 372 | 373 | 371 | 370 | 371 | 370 | 370 | 371 | 371 | 371 | 371 | 373 | 370 | 369 | 370 | 371 | 371 | 373 | 373 | 371 | 371 | 371 | 371 | |
| 6 | 368 | 371 | 372 | 372 | 373 | 372 | 369 | 367 | 366 | 365 | 367 | 370 | 372 | 373 | 374 | 371 | 371 | 371 | 370 | 370 | 357 | 358 | 362 | 367 | 369 | |
| 7 | 369 | 370 | 370 | 369 | 368 | 368 | 369 | 368 | 367 | 363 | 364 | 370 | 375 | 376 | 374 | 373 | 370 | 371 | 368 | 368 | 369 | 369 | 365 | 359 | 369 | |
| 8 | 360 | 366 | 369 | 369 | 369 | 367 | 367 | 367 | 366 | 365 | 367 | 368 | 369 | 370 | 370 | 371 | 370 | 371 | 371 | 370 | 373 | 371 | 372 | 370 | 353 | 368 |
| 9 | 333 | 357 | 363 | 366 | 369 | 370 | 369 | 369 | 368 | 368 | 368 | 369 | 371 | 369 | 368 | 369 | 369 | 369 | 370 | 370 | 370 | 369 | 369 | 367 | 367 | |
| 10 | 362 | 364 | 367 | 368 | 369 | 367 | 366 | 366 | 366 | 365 | 364 | 363 | 366 | 369 | 372 | 373 | 375 | 376 | 384 | 376 | 372 | 367 | 368 | 368 | 369 | |
| 11 | 369 | 369 | 370 | 371 | 371 | 368 | 365 | 361 | 363 | 366 | 369 | 375 | 381 | 397 | 410 | 411 | 395 | 386 | 387 | 376 | 337 | 353 | 368 | 372 | 375 | |
| 12 | 372 | 372 | 373 | 373 | 371 | 366 | 365 | 363 | 365 | 363 | 363 | 372 | 378 | 382 | 380 | 380 | 382 | 376 | 373 | 374 | 372 | 368 | 364 | 361 | 371 | |
| 13 | 368 | 368 | 363 | 354 | 354 | 360 | 364 | 369 | 372 | 371 | 373 | 372 | 368 | 374 | 391 | 413 | 439 | 457 | 435 | 412 | 382 | 369 | 376 | 364 | 382 | |
| 14 | 292 | 289 | 344 | 366 | 368 | 371 | 369 | 371 | 372 | 374 | 371 | 369 | 373 | 371 | 374 | 375 | 406 | 412 | 404 | 406 | 380 | 368 | 304 | 352 | 366 | |
| 15 | 366 | 374 | 373 | 370 | 371 | 370 | 369 | 368 | 366 | 370 | 373 | 374 | 374 | 385 | 398 | 419 | 390 | 373 | 370 | 370 | 376 | 370 | 326 | 284 | 370 | |
| 16 | 323 | 370 | 370 | 370 | 373 | 372 | 371 | 371 | 372 | 372 | 368 | 369 | 369 | 370 | 373 | 374 | 371 | 371 | 379 | 373 | 370 | 365 | 366 | 370 | 369 | |
| 17 | D 362 | 347 | 346 | 338 | 350 | 360 | 364 | 367 | 369 | 372 | 373 | 374 | 376 | 376 | 373 | 373 | 375 | 378 | 380 | 377 | 344 | 350 | 359 | 357 | 364 | |
| 18 | 372 | 368 | 362 | 367 | 373 | 372 | 371 | 371 | 373 | 374 | 374 | 373 | 375 | 380 | 378 | 374 | 371 | 372 | 372 | 372 | 373 | 371 | 372 | 371 | 372 | |
| 19 | Q 370 | 370 | 373 | 374 | 375 | 374 | 372 | 371 | 374 | 375 | 372 | 374 | 374 | 373 | 374 | 375 | 373 | 373 | 372 | 371 | 370 | 369 | 368 | 370 | 372 | |
| 20 | 370 | 371 | 372 | 372 | 372 | 371 | 370 | 371 | 370 | 371 | 369 | 370 | 374 | 377 | 373 | 369 | 367 | 369 | 368 | 368 | 371 | 343 | 357 | 371 | 369 | |
| 21 | D 344 | 300 | 343 | 369 | 369 | 371 | 371 | 371 | 376 | 384 | 373 | 368 | 379 | 402 | 400 | 386 | 379 | 382 | 385 | 377 | 372 | 372 | 372 | 373 | 372 | |
| 22 | 373 | 373 | 373 | 375 | 374 | 372 | 371 | 372 | 376 | 379 | 383 | 390 | 393 | 388 | 388 | 389 | 387 | 386 | 383 | 377 | 374 | 371 | 362 | 358 | 378 | |
| 23 | Q 362 | 368 | 372 | 374 | 374 | 373 | 374 | 373 | 371 | 370 | 372 | 374 | 374 | 375 | 374 | 376 | 375 | 375 | 374 | 374 | 373 | 373 | 373 | 372 | 373 | |
| 24 | Q 372 | 373 | 374 | 375 | 375 | 373 | 372 | 374 | 374 | 372 | 372 | 372 | 373 | 372 | 374 | 375 | 373 | 373 | 373 | 374 | 376 | 375 | 374 | 372 | 373 | |
| 25 | Q 371 | 371 | 371 | 372 | 371 | 370 | 373 | 372 | 371 | 371 | 370 | 369 | 369 | 371 | 372 | 373 | 373 | 373 | 373 | 374 | 375 | 370 | 371 | 371 | 372 | |
| 26 | 371 | 371 | 371 | 371 | 371 | 370 | 371 | 371 | 369 | 368 | 367 | 368 | 371 | 375 | 375 | 372 | 372 | 373 | 377 | 375 | 373 | 320 | 278 | 342 | 364 | |
| 27 | D 369 | 370 | 360 | 329 | 331 | 347 | 357 | 361 | 366 | 371 | 377 | 390 | 387 | 389 | 391 | 397 | 398 | 407 | 401 | 394 | 380 | 303 | 283 | 326 | 366 | |
| 28 | D 339 | 333 | 346 | 357 | 366 | 366 | 362 | 367 | 382 | 385 | 369 | 379 | 380 | 387 | 384 | 381 | 379 | 386 | 387 | 368 | 340 | 294 | 324 | 364 | 364 | |
| 29 | Q 369 | 373 | 374 | 373 | 372 | 372 | 372 | 372 | 372 | 373 | 374 | 373 | 371 | 372 | 375 | 378 | 377 | 375 | 374 | 373 | 372 | 374 | 375 | 373 | 370 | 373 |
| 30 | 371 | 373 | 373 | 373 | 371 | 372 | 369 | 367 | 371 | 370 | 369 | 368 | 367 | 370 | 370 | 370 | 371 | 371 | 375 | 389 | 391 | 370 | 358 | 371 | 372 | |

MEANS

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ALL | 361 | 363 | 367 | 368 | 368 | 368 | 368 | 368 | 370 | 371 | 370 | 372 | 375 | 378 | 380 | 380 | 379 | 379 | 379 | 377 | 369 | 360 | 355 | 360 | 370 |
| QUIET | 369 | 371 | 373 | 374 | 373 | 373 | 373 | 372 | 373 | 373 | 372 | 372 | 373 | 373 | 374 | 375 | 374 | 374 | 373 | 373 | 373 | 372 | 372 | 371 | 373 |
| DIST. | 357 | 344 | 353 | 352 | 354 | 358 | 360 | 363 | 370 | 375 | 371 | 375 | 378 | 385 | 388 | 386 | 383 | 385 | 386 | 381 | 363 | 344 | 335 | 350 | 366 |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

VERTICAL COMPONENT Z IN NT

OCTOBER 2009

Z = 51000 + TABULAR VALUES

| DAY/ UT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN | |
|---------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|
| 1 | 372 | 374 | 373 | 374 | 367 | 368 | 371 | 371 | 372 | 373 | 374 | 374 | 374 | 375 | 375 | 374 | 373 | 373 | 376 | 376 | 374 | 364 | 369 | 373 | 372 | |
| 2 | 370 | 365 | 361 | 369 | 372 | 372 | 373 | 373 | 375 | 375 | 371 | 369 | 372 | 376 | 376 | 376 | 374 | 373 | 373 | 373 | 373 | 372 | 371 | 370 | 372 | |
| 3 | Q 367 | 370 | 372 | 373 | 373 | 373 | 373 | 372 | 371 | 371 | 370 | 370 | 371 | 373 | 374 | 372 | 372 | 371 | 372 | 376 | 377 | 373 | 372 | 371 | 372 | |
| 4 | 371 | 369 | 365 | 367 | 369 | 366 | 365 | 364 | 366 | 367 | 365 | 367 | 370 | 371 | 374 | 372 | 373 | 372 | 372 | 376 | 378 | 376 | 371 | 371 | 370 | |
| 5 | 372 | 371 | 372 | 374 | 373 | 374 | 373 | 371 | 372 | 371 | 372 | 374 | 374 | 376 | 376 | 376 | 379 | 377 | 374 | 372 | 372 | 371 | 358 | 363 | 372 | |
| 6 | 370 | 372 | 372 | 373 | 372 | 371 | 372 | 373 | 374 | 373 | 373 | 373 | 375 | 377 | 377 | 375 | 374 | 374 | 376 | 374 | 373 | 372 | 365 | 367 | 373 | |
| 7 | 370 | 372 | 373 | 373 | 374 | 374 | 374 | 373 | 373 | 374 | 373 | 374 | 376 | 376 | 376 | 376 | 376 | 384 | 381 | 380 | 374 | 368 | 365 | 360 | 374 | |
| 8 | 358 | 370 | 373 | 373 | 372 | 374 | 373 | 374 | 375 | 376 | 374 | 373 | 373 | 374 | 376 | 374 | 373 | 373 | 374 | 376 | 379 | 352 | 355 | 367 | 371 | |
| 9 | 371 | 372 | 371 | 371 | 370 | 369 | 368 | 371 | 375 | 377 | 375 | 373 | 377 | 384 | 387 | 388 | 394 | 391 | 396 | 387 | 378 | 365 | 359 | 358 | 376 | |
| 10 | Q 365 | 370 | 371 | 372 | 372 | 372 | 374 | 376 | 375 | 374 | 376 | 379 | 380 | 382 | 381 | 380 | 380 | 378 | 376 | 369 | 365 | 369 | 372 | 374 | | |
| 11 | D 371 | 369 | 369 | 368 | 368 | 365 | 363 | 370 | 373 | 376 | 374 | 373 | 375 | 377 | 377 | 379 | 378 | 383 | 385 | 387 | 385 | 363 | 351 | 363 | 373 | |
| 12 | 368 | 373 | 373 | 372 | 372 | 371 | 372 | 374 | 375 | 376 | 376 | 376 | 376 | 377 | 377 | 374 | 373 | 373 | 373 | 375 | 380 | 376 | 373 | 372 | 371 | 374 |
| 13 | 369 | 363 | 367 | 372 | 374 | 374 | 374 | 375 | 374 | 373 | 374 | 372 | 376 | 377 | 375 | 374 | 375 | 381 | 395 | 391 | 375 | 378 | 371 | 371 | 375 | |
| 14 | Q 373 | 374 | 374 | 373 | 373 | 374 | 376 | 377 | 375 | 373 | 373 | 375 | 375 | 374 | 373 | 373 | 373 | 373 | 373 | 372 | 372 | 372 | 372 | 372 | 374 | |
| 15 | 372 | 372 | 372 | 372 | 373 | 374 | 376 | 372 | 372 | 371 | 369 | 373 | 372 | 372 | 371 | 375 | 396 | 403 | 403 | 354 | 334 | 363 | 369 | 369 | 373 | |
| 16 | 370 | 366 | 358 | 372 | 370 | 371 | 372 | 372 | 375 | 376 | 373 | 373 | 374 | 375 | 375 | 374 | 375 | 376 | 378 | 379 | 376 | 374 | 373 | 373 | 373 | |
| 17 | Q 373 | 374 | 374 | 374 | 375 | 375 | 376 | 376 | 374 | 375 | 375 | 376 | 377 | 377 | 374 | 374 | 374 | 373 | 373 | 372 | 371 | 371 | 370 | 372 | 374 | |
| 18 | 373 | 373 | 373 | 373 | 373 | 373 | 373 | 373 | 372 | 370 | 370 | 373 | 377 | 379 | 381 | 384 | 382 | 382 | 381 | 375 | 374 | 373 | 372 | 372 | 375 | |
| 19 | 373 | 373 | 373 | 373 | 373 | 374 | 374 | 374 | 373 | 371 | 371 | 371 | 374 | 375 | 375 | 383 | 378 | 374 | 374 | 377 | 375 | 373 | 373 | 371 | 374 | |
| 20 | Q 369 | 361 | 366 | 373 | 375 | 375 | 375 | 375 | 374 | 375 | 376 | 376 | 376 | 376 | 374 | 374 | 374 | 373 | 373 | 373 | 373 | 373 | 373 | 372 | 373 | |
| 21 | 371 | 372 | 372 | 373 | 373 | 374 | 374 | 373 | 372 | 372 | | | | | | | | | | | | | | | | |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

VERTICAL COMPONENT Z IN NT

NOVEMBER 2009

Z = 51000 + TABULAR VALUES

| DAY/ UT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN | |
|---------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|
| 1 | 353 | 366 | 372 | 370 | 371 | 372 | 373 | 374 | 375 | 375 | 375 | 376 | 377 | 378 | 378 | 377 | 377 | 376 | 376 | 377 | 379 | 379 | 377 | 377 | 374 | |
| 2 | 377 | 377 | 376 | 376 | 376 | 375 | 374 | 375 | 373 | 372 | 376 | 378 | 379 | 379 | 379 | 377 | 378 | 378 | 383 | 383 | 381 | 379 | 377 | 376 | 376 | 377 |
| 3 | Q 376 | 376 | 375 | 376 | 378 | 378 | 378 | 378 | 378 | 379 | 380 | 381 | 380 | 379 | 378 | 378 | 377 | 379 | 376 | 376 | 376 | 375 | 375 | 376 | 377 | 377 |
| 4 | 376 | 377 | 377 | 376 | 376 | 376 | 377 | 377 | 378 | 377 | 376 | 377 | 377 | 377 | 377 | 377 | 376 | 376 | 376 | 375 | 375 | 375 | 375 | 375 | 376 | 376 |
| 5 | Q 374 | 374 | 374 | 375 | 375 | 375 | 374 | 374 | 374 | 374 | 374 | 374 | 375 | 374 | 374 | 374 | 374 | 375 | 374 | 374 | 374 | 374 | 374 | 374 | 374 | 374 |
| 6 | Q 373 | 374 | 374 | 374 | 375 | 375 | 375 | 376 | 375 | 376 | 376 | 376 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 374 | 374 | 374 | 375 |
| 7 | 374 | 374 | 374 | 374 | 374 | 374 | 374 | 375 | 376 | 375 | 376 | 375 | 374 | 373 | 374 | 374 | 374 | 375 | 375 | 376 | 376 | 369 | 352 | 365 | 373 | 373 |
| 8 | D 359 | 366 | 369 | 367 | 366 | 369 | 370 | 372 | 370 | 372 | 376 | 379 | 393 | 401 | 477 | 466 | 455 | 421 | 388 | 385 | 389 | 376 | 377 | 377 | 389 | 389 |
| 9 | 370 | 374 | 378 | 378 | 375 | 376 | 378 | 376 | 377 | 378 | 379 | 380 | 379 | 378 | 379 | 381 | 386 | 384 | 382 | 381 | 381 | 379 | 370 | 371 | 378 | 378 |
| 10 | 372 | 375 | 377 | 377 | 375 | 377 | 379 | 379 | 379 | 378 | 378 | 378 | 378 | 379 | 378 | 378 | 378 | 377 | 377 | 379 | 380 | 382 | 378 | 375 | 378 | 378 |
| 11 | 376 | 373 | 375 | 375 | 375 | 376 | 377 | 378 | 376 | 377 | 378 | 379 | 379 | 378 | 377 | 377 | 376 | 377 | 377 | 377 | 377 | 378 | 377 | 376 | 377 | 377 |
| 12 | 376 | 375 | 375 | 375 | 375 | 376 | 377 | 378 | 378 | 378 | 378 | 377 | 378 | 379 | 377 | 376 | 376 | 375 | 375 | 375 | 375 | 376 | 370 | 365 | 350 | 375 |
| 13 | 370 | 375 | 375 | 375 | 375 | 375 | 376 | 377 | 376 | 376 | 376 | 377 | 377 | 376 | 376 | 376 | 376 | 381 | 392 | 385 | 380 | 373 | 370 | 374 | 377 | 377 |
| 14 | 374 | 371 | 375 | 375 | 374 | 374 | 375 | 373 | 375 | 376 | 379 | 382 | 383 | 387 | 395 | 406 | 423 | 434 | 414 | 394 | 388 | 368 | 350 | 352 | 383 | 383 |
| 15 | D 316 | 352 | 372 | 374 | 375 | 373 | 375 | 373 | 377 | 376 | 376 | 380 | 384 | 390 | 401 | 442 | 447 | 459 | 418 | 395 | 376 | 377 | 377 | 376 | 376 | 386 |
| 16 | 379 | 379 | 379 | 379 | 379 | 378 | 379 | 381 | 381 | 380 | 380 | 381 | 382 | 384 | 386 | 384 | 385 | 386 | 378 | 380 | 377 | 377 | 370 | 362 | 379 | 379 |
| 17 | 368 | 374 | 378 | 381 | 380 | 379 | 380 | 380 | 380 | 381 | 381 | 381 | 381 | 380 | 380 | 380 | 380 | 380 | 380 | 379 | 379 | 378 | 378 | 377 | 377 | 379 |
| 18 | 376 | 377 | 377 | 376 | 375 | 374 | 375 | 376 | 377 | 378 | 379 | 380 | 380 | 381 | 380 | 379 | 378 | 377 | 376 | 376 | 375 | 369 | 356 | 376 | 376 | 376 |
| 19 | 366 | 372 | 375 | 375 | 374 | 375 | 379 | 382 | 381 | 381 | 381 | 380 | 382 | 380 | 380 | 380 | 379 | 377 | 378 | 382 | 379 | 374 | 272 | 299 | 370 | 370 |
| 20 | 361 | 376 | 380 | 379 | 378 | 378 | 378 | 378 | 378 | 379 | 378 | 379 | 379 | 378 | 378 | 378 | 381 | 385 | 387 | 380 | 378 | 377 | 376 | 375 | 378 | 378 |
| 21 | D 331 | 277 | 326 | 361 | 364 | 370 | 372 | 373 | 379 | 384 | 384 | 384 | 388 | 390 | 385 | 381 | 381 | 380 | 381 | 387 | 296 | 257 | 342 | 362 | 360 | 360 |
| 22 | 347 | 310 | 355 | 372 | 376 | 375 | 377 | 379 | 380 | 378 | 379 | 381 | 382 | 383 | 385 | 397 | 385 | 388 | 388 | 375 | 381 | 379 | 376 | 376 | 375 | 375 |
| 23 | Q 376 | 378 | 378 | 379 | 378 | 379 | 378 | 378 | 379 | 380 | 381 | 382 | 381 | 381 | 379 | 378 | 378 | 378 | 378 | 380 | 382 | 382 | 379 | 379 | 379 | 379 |
| 24 | D 380 | 379 | 379 | 377 | 377 | 377 | 376 | 376 | 375 | 377 | 377 | 377 | 378 | 381 | 396 | 385 | 389 | 419 | 414 | 301 | 368 | 377 | 314 | 236 | 258 | 365 |
| 25 | D 330 | 364 | 362 | 371 | 372 | 379 | 382 | 378 | 382 | 387 | 385 | 389 | 400 | 390 | 393 | 399 | 392 | 386 | 384 | 385 | 373 | 357 | 341 | 346 | 376 | 376 |
| 26 | 358 | 362 | 369 | 377 | 377 | 377 | 378 | 379 | 381 | 383 | 397 | 403 | 399 | 405 | 423 | 454 | 473 | 479 | 446 | 400 | 385 | 388 | 385 | 388 | 399 | 399 |
| 27 | 383 | 379 | 376 | 375 | 377 | 378 | 379 | 379 | 378 | 379 | 380 | 381 | 382 | 381 | 382 | 381 | 381 | 383 | 380 | 381 | 379 | 380 | 381 | 380 | 380 | 380 |
| 28 | 380 | 379 | 378 | 377 | 378 | 377 | 378 | 378 | 379 | 380 | 380 | 380 | 381 | 381 | 383 | 384 | 391 | 383 | 385 | 386 | 384 | 375 | 377 | 380 | 380 | 380 |
| 29 | Q 380 | 380 | 379 | 378 | 378 | 378 | 378 | 378 | 378 | 379 | 379 | 381 | 380 | 380 | 379 | 380 | 381 | 381 | 380 | 379 | 375 | 369 | 366 | 368 | 378 | 378 |
| 30 | 373 | 375 | 378 | 377 | 376 | 377 | 378 | 377 | 378 | 379 | 381 | 383 | 385 | 387 | 389 | 385 | 386 | 383 | 381 | 378 | 377 | 377 | 377 | 378 | 380 | 380 |

MEANS

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ALL | 367 | 368 | 373 | 375 | 375 | 376 | 377 | 377 | 377 | 378 | 379 | 380 | 381 | 382 | 384 | 389 | 391 | 391 | 383 | 381 | 376 | 370 | 363 | 365 | 377 | 377 |
| QUIET | 376 | 376 | 376 | 376 | 377 | 377 | 377 | 377 | 377 | 378 | 378 | 379 | 378 | 378 | 377 | 377 | 377 | 377 | 377 | 377 | 376 | 375 | 374 | 374 | 377 | 377 |
| DIST. | 343 | 348 | 362 | 370 | 371 | 374 | 375 | 375 | 377 | 379 | 379 | 381 | 386 | 392 | 393 | 417 | 421 | 419 | 381 | 385 | 362 | 339 | 335 | 344 | 375 | 375 |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E

VERTICAL COMPONENT Z IN NT

DECEMBER 2009

Z = 51000 + TABULAR VALUES

| DAY/ UT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN | |
|---------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|
| 1 | Q 378 | 377 | 377 | 377 | 377 | 377 | 378 | 378 | 378 | 377 | 378 | 378 | 379 | 379 | 378 | 378 | 378 | 378 | 379 | 378 | 378 | 374 | 374 | 376 | 378 | 378 |
| 2 | 377 | 377 | 377 | 376 | 376 | 375 | 375 | 374 | 375 | 375 | 374 | 375 | 376 | 377 | 377 | 377 | 377 | 377 | 377 | 378 | 378 | 378 | 377 | 377 | 376 | 376 |
| 3 | Q 376 | 377 | 377 | 377 | 377 | 376 | 376 | 376 | 376 | 376 | 377 | 377 | 378 | 378 | 379 | 380 | 379 | 379 | 379 | 378 | 376 | 371 | 374 | 376 | 377 | 377 |
| 4 | Q 378 | 378 | 378 | 378 | 377 | 376 | 376 | 376 | 375 | 376 | 377 | 378 | 378 | 378 | 378 | 378 | 378 | 378 | 378 | 378 | 377 | 372 | 374 | 375 | 375 | 377 |
| 5 | D 376 | 375 | 375 | 376 | 376 | 376 | 376 | 376 | 373 | 371 | 373 | 375 | 376 | 376 | 377 | 377 | 378 | 384 | 405 | 388 | 401 | 399 | 384 | 369 | 380 | 380 |
| 6 | 340 | 363 | 359 | 366 | 372 | 378 | 380 | 379 | 377 | 378 | 380 | 380 | 380 | 380 | 380 | 380 | 380 | 380 | 386 | 387 | 385 | 380 | 377 | 373 | 376 | 376 |
| 7 | 351 | 353 | 371 | 378 | 378 | 376 | 375 | 376 | 376 | 377 | 378 | 380 | 380 | 380 | 379 | 380 | 383 | 393 | 397 | 389 | 394 | 386 | 379 | 379 | 379 | 379 |
| 8 | 380 | 380 | 379 | 378 | 378 | 377 | 378 | 379 | 379 | 379 | 380 | 380 | 380 | 380 | 378 | 378 | 378 | 379 | 379 | 379 | 379 | 377 | 375 | 376 | 378 | 378 |
| 9 | 378 | 378 | 378 | 378 | 377 | 377 | 377 | 376 | 375 | 375 | 374 | 377 | 379 | 380 | 380 | 381 | 381 | 382 | 381 | 380 | 379 | 379 | 378 | 378 | 378 | 378 |
| 10 | 378 | 377 | 377 | 377 | 377 | 377 | 377 | 377 | 377 | 378 | 379 | 378 | 378 | 378 | 378 | 378 | 379 | 384 | 383 | 383 | 381 | 378 | 377 | 377 | 379 | 379 |
| 11 | Q 378 | 378 | 377 | 377 | 377 | 377 | 377 | 377 | 378 | 378 | 378 | 378 | 378 | 377 | 377 | 377 | 377 | 378 | 378 | 378 | 378 | 378 | 379 | 378 | 378 | 378 |
| 12 | 379 | 379 | 379 | 378 | 378 | 377 | 376 | 375 | 374 | 375 | 376 | 376 | 376 | 377 | 379 | 380 | 379 | 377 | 376 | 376 | 377 | 378 | 377 | 376 | 377 | 377 |
| 13 | 375 | 375 | 374 | 375 | 375 | 375 | 374 | 373 | 374 | 376 | 377 | 379 | 380 | 384 | 391 | 393 | 394 | 396 | 394 | 390 | 376 | 348 | 347 | 357 | 377 | 377 |
| 14 | D 351 | 367 | 374 | 376 | 372 | 378 | 376 | 377 | 380 | 382 | 376 | 376 | 380 | 380 | 383 | 384 | 382 | 378 | 377 | 378 | 379 | 378 | 379 | 379 | 379 | 377 |
| 15 | 379 | 379 | 378 | 379 | 379 | 378 | 378 | 378 | 378 | 377 | 377 | 377 | 377 | 377 | 377 | 377 | 377 | 378 | 383 | 386 | 383 | 382 | 380 | 380 | 380 | 379 |
| 16 | D 377 | 381 | 371 | 355 | 368 | 377 | 377 | 376 | 377 | 378 | 378 | 380 | 382 | 385 | 385 | 387 | 408 | 408 | 391 | 387 | 388 | 386 | 385 | 386 | 382 | 382 |
| 17 | 383 | 379 | 377 | 378 | 378 | 377 | 378 | 379 | 379 | 379 | 379 | 379 | 379 | 380 | 382 | 380 | 380 | 381 | 380 | 385 | 388 | 382 | 380 | 381 | 380 | 380 |
| 18 | 380 | 379 | 378 | 378 | 379 | 379 | 378 | 379 | 379 | 379 | 380 | 382 | 380 | 380 | 380 | 380 | 380 | 383 | 384 | 381 | 379 | 378 | 378 | 378 | 380 | 380 |
| 19 | 376 | 373 | 376 | 381 | 381 | 381 | 381 | 379 | 379 | 378 | 379 | 379 | 379 | 380 | 382 | | | | | | | | | | | |

VERTICAL COMPONENT Z IN NT

Table with columns: MONTH, 0-24, MEAN. Rows include JANUARY through DECEMBER, WINTER, EQUINOX, and SUMMER. Values range from -14 to 10.

EAST COMPONENT Y IN NT

Table with columns: MONTH, 0-24, MEAN. Rows include JANUARY through DECEMBER, WINTER, EQUINOX, and SUMMER. Values range from -11 to 15.

NORTH COMPONENT X IN NT

Table with columns: MONTH, 0-24, MEAN. Rows include JANUARY through DECEMBER, WINTER, EQUINOX, and SUMMER. Values range from -15 to 11.

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E HOURLY MEANS MINUS MONTHLY MEANS ON QUIET DAYS 2009

VERTICAL COMPONENT Z IN NT

| MONTH | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN |
|-----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|------|
| JANUARY | -2 | -1 | 0 | -1 | -2 | -1 | -1 | -0 | -1 | -1 | -0 | -0 | 0 | 1 | 1 | 1 | 3 | 4 | 3 | 2 | 1 | -0 | -2 | -3 | 51350 | |
| FEBRUARY | 0 | 1 | -0 | -2 | -2 | -2 | -2 | -2 | -1 | -1 | -1 | -0 | -0 | -0 | 1 | 2 | 3 | 3 | 2 | 3 | 3 | 1 | -2 | -3 | 51352 | |
| MARCH | -7 | -4 | -1 | -0 | -0 | 0 | -0 | 0 | 1 | 0 | 0 | 1 | 2 | 2 | 3 | 3 | 2 | 2 | 3 | 2 | -2 | -4 | -3 | -1 | 51352 | |
| APRIL | -5 | -4 | -2 | 0 | -0 | -1 | -1 | -2 | -2 | -3 | -2 | -1 | 1 | 3 | 4 | 6 | 8 | 7 | 4 | -0 | -2 | -4 | -3 | -2 | 51356 | |
| MAY | -0 | 2 | 4 | 4 | 3 | 3 | 1 | -2 | -3 | -3 | -3 | -4 | -4 | -1 | 2 | 6 | 6 | 3 | 2 | 2 | 0 | -4 | -5 | -8 | 51357 | |
| JUNE | -2 | -1 | -1 | 0 | 1 | -1 | -1 | -1 | -0 | 1 | -1 | -1 | -0 | 1 | 3 | 4 | 3 | 1 | -0 | -1 | -1 | -1 | -1 | -1 | 51360 | |
| JULY | -3 | -1 | 2 | 2 | 2 | 1 | -2 | -3 | -1 | 0 | -1 | -2 | -1 | 2 | 3 | 1 | -0 | 2 | 1 | 0 | 0 | 0 | -0 | -0 | 51365 | |
| AUGUST | -8 | -0 | 2 | 3 | 3 | 2 | -0 | -3 | -3 | -2 | -3 | -4 | -0 | 3 | 3 | 4 | 3 | 1 | 1 | 2 | 2 | -3 | -2 | -2 | 51368 | |
| SEPTEMBER | -3 | -1 | 0 | 1 | 1 | -0 | -0 | -0 | 0 | -0 | -1 | -1 | -0 | 1 | 2 | 2 | 1 | 1 | 0 | 1 | 1 | -1 | -1 | -2 | 51373 | |
| OCTOBER | -4 | -4 | -2 | -0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 2 | 3 | 2 | 2 | 1 | 1 | 0 | 1 | -1 | -3 | -2 | -2 | 51373 | |
| NOVEMBER | -1 | -0 | -1 | -0 | 0 | 0 | -0 | 0 | 0 | 1 | 1 | 2 | 2 | 1 | 0 | 0 | 0 | 1 | -0 | 0 | -0 | -2 | -3 | -3 | 51377 | |
| DECEMBER | 0 | 0 | 0 | -0 | -0 | -0 | -0 | -0 | -0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | -1 | -3 | -2 | -1 | 51378 | |
| WINTER | -1 | -0 | -0 | -1 | -1 | -1 | -1 | -1 | -1 | -0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | -1 | -2 | -3 | 51364 | |
| EQUINOX | -5 | -3 | -1 | 0 | 0 | -0 | -0 | -0 | -0 | -1 | 0 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 1 | -1 | -3 | -2 | -2 | 51364 | |
| SUMMER | -3 | 0 | 2 | 3 | 2 | 1 | -1 | -2 | -2 | -1 | -2 | -3 | -1 | 1 | 3 | 4 | 3 | 2 | 1 | 1 | 0 | -2 | -2 | -3 | 51362 | |
| YEAR | -3 | -1 | 0 | 1 | 0 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | 0 | 1 | 2 | 3 | 3 | 2 | 1 | 1 | -0 | -2 | -2 | -2 | 51363 | |

EAST COMPONENT Y IN NT

| MONTH | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN |
|-----------|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|------|------|------|
| JANUARY | 1 | 1 | 0 | 0 | 1 | 1 | 2 | 2 | 1 | -2 | -3 | -3 | -3 | -2 | -2 | -2 | -1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 2016 | |
| FEBRUARY | 3 | 3 | 3 | 3 | 1 | -0 | -1 | -3 | -4 | -5 | -5 | -4 | -2 | -2 | -1 | -1 | -0 | 1 | 1 | 1 | 2 | 4 | 4 | 3 | 2018 | |
| MARCH | 1 | 3 | 6 | 6 | 6 | 5 | 6 | 5 | 2 | -3 | -9 | -11 | -10 | -7 | -3 | -0 | -1 | -2 | 0 | 2 | 1 | 1 | 1 | 1 | 2020 | |
| APRIL | 4 | 3 | 7 | 11 | 13 | 13 | 11 | 6 | -2 | -11 | -18 | -21 | -17 | -11 | -6 | -2 | -1 | -0 | 1 | 2 | 2 | 2 | 1 | 2023 | | |
| MAY | 7 | 10 | 14 | 18 | 19 | 18 | 16 | 11 | 1 | -9 | -18 | -22 | -20 | -16 | -12 | -7 | -3 | -3 | -3 | -3 | -4 | 1 | 2 | 2 | 2028 | |
| JUNE | 6 | 9 | 15 | 17 | 20 | 20 | 19 | 14 | 6 | -3 | -14 | -21 | -21 | -18 | -13 | -8 | -5 | -4 | -5 | -5 | -5 | -4 | -2 | 1 | 2032 | |
| JULY | 4 | 9 | 13 | 16 | 16 | 16 | 17 | 16 | 9 | -1 | -10 | -17 | -18 | -14 | -10 | -8 | -6 | -5 | -6 | -7 | -5 | -5 | -4 | -1 | 2035 | |
| AUGUST | 3 | 6 | 11 | 17 | 20 | 18 | 14 | 7 | -1 | -9 | -17 | -22 | -21 | -15 | -8 | -3 | -1 | -2 | -3 | -3 | -1 | 3 | 4 | 3 | 2037 | |
| SEPTEMBER | 4 | 6 | 7 | 8 | 9 | 10 | 9 | 6 | 1 | -6 | -13 | -16 | -16 | -13 | -7 | -2 | -1 | -0 | 1 | 3 | 3 | 3 | 3 | 4 | 2040 | |
| OCTOBER | -0 | 2 | 2 | 4 | 5 | 7 | 9 | 8 | 4 | -2 | -9 | -11 | -11 | -8 | -4 | -2 | -2 | -1 | -1 | 2 | 2 | 3 | 1 | 2 | 2043 | |
| NOVEMBER | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 2 | -1 | -5 | -7 | -5 | -3 | -2 | -1 | -1 | 0 | 1 | 3 | 2 | 3 | 2 | 1 | 2047 | |
| DECEMBER | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -3 | -4 | -4 | -3 | -1 | -0 | 0 | -0 | 0 | 1 | 2 | 3 | 2 | 1 | 2049 | |
| WINTER | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -3 | -4 | -5 | -3 | -2 | -1 | -1 | -1 | 0 | 1 | 2 | 2 | 3 | 2 | 2033 | |
| EQUINOX | 2 | 3 | 6 | 7 | 8 | 9 | 9 | 8 | 3 | -3 | -10 | -14 | -14 | -11 | -6 | -2 | -1 | -1 | -0 | 2 | 2 | 2 | 2 | 2 | 2032 | |
| SUMMER | 5 | 9 | 13 | 17 | 19 | 18 | 17 | 12 | 4 | -6 | -15 | -20 | -20 | -16 | -11 | -7 | -4 | -4 | -4 | -4 | -5 | -4 | -1 | 0 | 2033 | |
| YEAR | 3 | 5 | 7 | 8 | 9 | 9 | 9 | 7 | 2 | -4 | -10 | -13 | -13 | -10 | -6 | -3 | -2 | -1 | -1 | -0 | 0 | 1 | 1 | 2 | 2032 | |

NORTH COMPONENT X IN NT

| MONTH | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN |
|-----------|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-------|
| JANUARY | -3 | -3 | -2 | 0 | 1 | 0 | -0 | -2 | -3 | -3 | -2 | 2 | 4 | 4 | 3 | 2 | 1 | -0 | 1 | 1 | 0 | -0 | -1 | -1 | 11411 | |
| FEBRUARY | -1 | -1 | -1 | -1 | -1 | -1 | -2 | -2 | -3 | -2 | -0 | 2 | 3 | 4 | 3 | 3 | 0 | 0 | 1 | 0 | 1 | 1 | -1 | -2 | 11409 | |
| MARCH | -3 | -2 | 1 | 1 | 1 | -0 | -2 | -5 | -9 | -10 | -9 | -6 | -3 | 2 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 4 | 3 | 11409 | |
| APRIL | 4 | 3 | 3 | 3 | 3 | 0 | -5 | -10 | -17 | -21 | -21 | -13 | -3 | 2 | 5 | 8 | 8 | 7 | 8 | 7 | 7 | 8 | 8 | 7 | 11409 | |
| MAY | 2 | 4 | 4 | 1 | -5 | -9 | -13 | -19 | -23 | -23 | -18 | -8 | -2 | 5 | 9 | 9 | 10 | 13 | 14 | 14 | 14 | 11 | 8 | 4 | 11408 | |
| JUNE | 1 | 2 | 4 | 3 | -0 | -4 | -11 | -18 | -21 | -22 | -19 | -13 | -5 | 2 | 6 | 8 | 10 | 13 | 14 | 14 | 11 | 9 | 8 | 8 | 11412 | |
| JULY | 1 | 5 | 6 | 4 | -1 | -5 | -10 | -15 | -19 | -21 | -17 | -12 | -3 | 2 | 4 | 8 | 12 | 13 | 12 | 11 | 9 | 6 | 5 | 4 | 11406 | |
| AUGUST | 1 | 3 | 3 | 1 | -1 | -4 | -8 | -14 | -20 | -22 | -17 | -10 | 3 | 6 | 8 | 9 | 8 | 9 | 11 | 11 | 8 | 5 | 5 | 4 | 11404 | |
| SEPTEMBER | 6 | 4 | 3 | 3 | 2 | 1 | -3 | -9 | -14 | -18 | -17 | -11 | -6 | -1 | 2 | 2 | 3 | 5 | 8 | 8 | 7 | 8 | 8 | 8 | 11397 | |
| OCTOBER | 3 | 3 | 5 | 5 | 5 | 4 | -0 | -8 | -15 | -19 | -16 | -10 | -4 | 1 | 2 | 4 | 4 | 5 | 6 | 5 | 5 | 6 | 6 | 5 | 11397 | |
| NOVEMBER | -0 | -1 | -0 | 0 | 0 | 1 | -0 | -2 | -5 | -7 | -6 | -4 | -0 | 2 | 3 | 3 | 3 | 3 | 4 | 2 | 2 | 2 | 1 | 0 | 11397 | |
| DECEMBER | -1 | -1 | -2 | -1 | 0 | 0 | -0 | -1 | -2 | -2 | -1 | 1 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | -1 | -1 | 11398 |
| WINTER | -1 | -1 | -1 | -0 | 0 | 0 | -1 | -2 | -3 | -3 | -3 | 0 | 2 | 3 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -0 | -1 | 11404 |
| EQUINOX | 3 | 2 | 3 | 3 | 3 | 1 | -2 | -8 | -14 | -17 | -16 | -10 | -4 | 1 | 3 | 4 | 5 | 5 | 7 | 6 | 6 | 7 | 6 | 6 | 11403 | |
| SUMMER | 1 | 3 | 4 | 2 | -2 | -6 | -10 | -16 | -21 | -22 | -18 | -11 | -2 | 4 | 7 | 8 | 10 | 12 | 13 | 12 | 10 | 8 | 6 | 5 | 11408 | |
| YEAR | 1 | 1 | 2 | 2 | 0 | -1 | -4 | -9 | -13 | -14 | -12 | -7 | -1 | 3 | 4 | 5 | 5 | 6 | 7 | 7 | 6 | 5 | 4 | 3 | 11405 | |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E HOURLY MEANS MINUS MONTHLY MEANS ON DIST. DAYS 2009

VERTICAL COMPONENT Z IN NT

| MONTH | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-------|------|
| JANUARY | -27 | -30 | -43 | -24 | -16 | -14 | -10 | -4 | -0 | 3 | 11 | 8 | 16 | 23 | 26 | 32 | 39 | 49 | 20 | 9 | 1 | -8 | -34 | -28 | 51351 | |
| FEBRUARY | -48 | -9 | -4 | -19 | -33 | -12 | -5 | -3 | -1 | 4 | 9 | 20 | 49 | 56 | 57 | 33 | -7 | 4 | 10 | 17 | 1 | -27 | -50 | -43 | 51348 | |
| MARCH | -85 | -72 | -68 | -19 | -5 | 2 | 8 | 12 | 19 | 24 | 24 | 25 | 27 | 23 | 26 | 38 | 42 | 45 | 35 | 21 | 7 | -34 | -44 | -52 | 51340 | |
| APRIL | -41 | -32 | -23 | -18 | -5 | -1 | 0 | 7 | 12 | 14 | 15 | 15 | 16 | 20 | 22 | 40 | 41 | 31 | 27 | -6 | -21 | -33 | -25 | -54 | 51349 | |
| MAY | -40 | -36 | -25 | -10 | -8 | -1 | 5 | 4 | 6 | 7 | 9 | 11 | 22 | 30 | 30 | 28 | 29 | 33 | 24 | 11 | -6 | -27 | -41 | -57 | 51347 | |
| JUNE | -19 | -14 | -21 | -18 | -15 | -7 | -4 | -1 | 1 | 2 | 1 | 5 | 8 | 13 | 30 | 24 | 21 | 14 | 13 | 9 | 23 | -19 | -22 | -27 | 51356 | |
| JULY | -32 | -44 | -44 | -19 | -42 | -20 | -7 | 3 | 13 | 13 | 8 | 18 | 26 | 34 | 44 | 49 | 36 | 35 | 21 | 10 | -1 | -27 | -35 | -38 | 51350 | |
| AUGUST | -11 | -0 | -2 | -13 | -6 | -6 | -7 | -10 | -5 | -6 | -2 | 2 | 9 | 32 | 45 | 43 | 3 | 26 | 19 | 1 | -27 | -21 | -25 | -39 | 51368 | |
| SEPTEMBER | -10 | -23 | -13 | -14 | -13 | -8 | -7 | -4 | 4 | 8 | 4 | 9 | 12 | 19 | 21 | 19 | 16 | 19 | 20 | 14 | -3 | -22 | -32 | -17 | 51366 | |
| OCTOBER | 2 | -26 | -44 | -26 | -14 | -7 | -1 | 4 | 8 | 15 | 17 | 18 | 14 | 12 | 14 | 16 | 13 | 13 | 13 | -7 | -19 | -17 | 0 | 2 | 51370 | |
| NOVEMBER | -32 | -28 | -14 | -5 | -4 | -2 | 0 | -0 | 1 | 4 | 4 | 6 | 11 | 17 | 18 | 42 | 46 | 44 | 6 | 9 | -14 | -36 | -41 | -31 | 51375 | |
| DECEMBER | -10 | -3 | -5 | -8 | -7 | -2 | -2 | -2 | -1 | 0 | -0 | 0 | 1 | 2 | 3 | 3 | 9 | 11 | 11 | 11 | 10 | 2 | -10 | -13 | 51379 | |
| WINTER | -29 | -18 | -16 | -14 | -15 | -7 | -4 | -2 | -0 | 3 | 6 | 9 | 19 | 24 | 26 | 28 | 22 | 27 | 12 | 12 | -0 | -17 | -34 | -29 | 51363 | |
| EQUINOX | -34 | -38 | -37 | -19 | -9 | -4 | 0 | 5 | 11 | 15 | 15 | 17 | 17 | 18 | 21 | 28 | 28 | 27 | 23 | 6 | -9 | -27 | -25 | -30 | 51356 | |
| SUMMER | -26 | -23 | -23 | -15 | -18 | -8 | -3 | -1 | 4 | 4 | 4 | 9 | 16 | 27 | 37 | 36 | 22 | 27 | 19 | 8 | -3 | -23 | -31 | -40 | 51355 | |
| YEAR | -30 | -26 | -25 | -16 | -14 | -6 | -2 | 1 | 5 | 7 | 8 | 11 | 18 | 23 | 28 | 31 | 24 | 27 | 18 | 8 | -4 | -22 | -30 | -33 | 51358 | |

EAST COMPONENT Y IN NT

| MONTH | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN |
|-----------|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|------|------|
| JANUARY | 3 | 7 | -2 | -1 | -3 | -4 | -5 | -2 | -4 | -5 | -7 | -10 | -5 | -6 | -12 | -6 | -5 | 11 | 16 | 9 | 9 | 9 | 6 | 6 | 2016 | |
| FEBRUARY | 19 | 13 | 10 | 13 | 10 | 3 | -2 | -10 | -17 | -10 | -13 | -17 | -12 | -9 | -12 | -6 | -8 | -15 | 10 | 14 | 12 | 14 | 14 | 1 | 2017 | |
| MARCH | 11 | 33 | 35 | 8 | 2 | -1 | -2 | -3 | -4 | -11 | -16 | -21 | -20 | -19 | -15 | -3 | 6 | 16 | 4 | 2 | 2 | 1 | -4 | -2 | 2025 | |
| APRIL | 2 | 6 | 7 | 19 | 13 | 11 | 5 | 3 | 3 | -6 | -14 | -20 | -22 | -16 | -14 | -6 | -1 | 4 | 5 | 13 | 8 | 5 | 3 | -4 | 2024 | |
| MAY | 14 | 27 | 17 | 22 | 23 | 24 | 16 | 9 | -3 | -15 | -24 | -33 | -32 | -24 | -13 | -8 | -3 | -0 | -2 | -4 | 0 | -0 | 2 | 8 | 2028 | |
| JUNE | 13 | 21 | 35 | 28 | 21 | 20 | 15 | 13 | 6 | -6 | -16 | -23 | -28 | -30 | -20 | -21 | -19 | -18 | -16 | -18 | 9 | -1 | 9 | 28 | 2033 | |
| JULY | 3 | 24 | 33 | 16 | 14 | 31 | 25 | 18 | 10 | -10 | -20 | -30 | -29 | -27 | -18 | -10 | -5 | -9 | -10 | -6 | -4 | -6 | 4 | 6 | 2037 | |
| AUGUST | 2 | 7 | 15 | 25 | 25 | 27 | 24 | 5 | -0 | -15 | -22 | -28 | -29 | -25 | -22 | -4 | -6 | -8 | -7 | 9 | 14 | 4 | 5 | 3 | 2039 | |
| SEPTEMBER | 9 | 6 | 12 | 9 | 14 | 7 | 2 | 1 | -4 | -14 | -18 | -20 | -20 | -13 | -7 | -4 | -2 | -0 | 5 | 5 | 4 | 8 | 9 | 9 | 2040 | |
| OCTOBER | 25 | 23 | 13 | 2 | 2 | -2 | -5 | -4 | -12 | -14 | -25 | -24 | -22 | -15 | -11 | -8 | -7 | -6 | -5 | 16 | 17 | 24 | 22 | 17 | 2048 | |
| NOVEMBER | 7 | 10 | 8 | 4 | -2 | -2 | -2 | -3 | -4 | -7 | -10 | -12 | -14 | -13 | -12 | -7 | -8 | 0 | 18 | 12 | 12 | 10 | 10 | 5 | 2049 | |
| DECEMBER | 3 | 4 | 2 | 0 | 3 | 2 | -2 | -2 | -2 | -3 | -8 | -8 | -7 | -6 | -3 | -3 | -2 | -0 | 0 | 9 | 8 | 4 | 8 | 3 | 2048 | |
| WINTER | 8 | 8 | 4 | 4 | 2 | -0 | -3 | -4 | -7 | -6 | -10 | -12 | -9 | -8 | -10 | -5 | -6 | -1 | 11 | 11 | 10 | 9 | 10 | 4 | 2033 | |
| EQUINOX | 12 | 17 | 17 | 9 | 8 | 4 | -0 | -1 | -4 | -11 | -18 | -21 | -21 | -16 | -12 | -5 | -1 | 3 | 2 | 9 | 8 | 9 | 8 | 5 | 2034 | |
| SUMMER | 8 | 20 | 25 | 23 | 21 | 25 | 20 | 11 | 3 | -12 | -21 | -29 | -30 | -27 | -18 | -11 | -8 | -9 | -9 | -5 | 5 | -1 | 5 | 11 | 2034 | |
| YEAR | 9 | 15 | 15 | 12 | 10 | 10 | 6 | 2 | -3 | -10 | -16 | -21 | -20 | -17 | -13 | -7 | -5 | -2 | 2 | 5 | 8 | 6 | 7 | 7 | 2034 | |

NORTH COMPONENT X IN NT

| MONTH | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN |
|-----------|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|-----|----|----|----|-----|-----|-----|-----|-------|------|
| JANUARY | -19 | -16 | -26 | -3 | 3 | 2 | 3 | 2 | 0 | -2 | -3 | -1 | -1 | 5 | 10 | 22 | 52 | 21 | -4 | -3 | -2 | -10 | -14 | -16 | 11411 | |
| FEBRUARY | -33 | -22 | -17 | -24 | -13 | -2 | -7 | -15 | -17 | -18 | -11 | 1 | 21 | 22 | 55 | 87 | 105 | 59 | 17 | 1 | -18 | -37 | -69 | -67 | 11418 | |
| MARCH | -72 | -62 | -51 | -2 | 15 | 15 | 11 | 3 | -4 | -2 | 1 | 8 | 13 | 16 | 20 | 30 | 26 | 28 | 25 | 19 | 10 | -17 | -14 | -17 | 11396 | |
| APRIL | -31 | -40 | -14 | -0 | 8 | -1 | -4 | -5 | -8 | -12 | -13 | -11 | 6 | 17 | 27 | 33 | 55 | 51 | 20 | -1 | -8 | -12 | -18 | -39 | 11401 | |
| MAY | -50 | -48 | -9 | 4 | 3 | -2 | -2 | -9 | -12 | -11 | -7 | 3 | 16 | 28 | 26 | 28 | 33 | 42 | 37 | 24 | 8 | -20 | -29 | -53 | 11401 | |
| JUNE | -32 | -41 | -19 | 3 | 13 | 13 | 6 | -2 | -3 | -5 | -2 | 6 | 17 | 42 | 58 | 61 | 67 | 58 | 48 | 28 | -78 | -72 | -88 | -79 | 11392 | |
| JULY | -6 | -39 | -65 | -71 | -102 | -60 | -0 | 14 | 2 | -7 | 8 | 12 | 31 | 35 | 45 | 61 | 53 | 52 | 37 | 23 | 14 | -0 | -11 | -25 | 11391 | |
| AUGUST | -16 | 5 | -3 | -27 | -7 | -7 | -22 | -30 | -28 | -27 | -12 | -3 | 7 | 26 | 53 | 95 | 55 | 40 | 27 | 7 | -12 | -12 | -57 | -50 | 11404 | |
| SEPTEMBER | -11 | -20 | 1 | 4 | 13 | 11 | 4 | -6 | -11 | -19 | -16 | -2 | 6 | 8 | 13 | 8 | 10 | 13 | 13 | 12 | 6 | -18 | -17 | -3 | 11394 | |
| OCTOBER | -59 | -51 | -0 | 22 | 30 | 26 | 17 | 11 | 5 | 8 | 11 | 14 | 16 | 20 | 22 | 21 | 23 | 25 | 25 | 30 | -21 | -54 | -73 | -67 | 11376 | |
| NOVEMBER | -13 | -13 | -2 | 5 | 8 | 7 | 6 | 2 | -1 | -1 | 2 | 2 | 4 | 0 | 6 | 27 | 16 | 25 | 7 | -4 | -21 | -29 | -17 | -17 | 11395 | |
| DECEMBER | -6 | -3 | -3 | -1 | 1 | 1 | 3 | 3 | 0 | -3 | -1 | 1 | 4 | 3 | 3 | 3 | 2 | 3 | 1 | 5 | -2 | -0 | -6 | -6 | 11398 | |
| WINTER | -18 | -13 | -12 | -6 | -0 | 2 | 1 | -2 | -4 | -6 | -3 | 1 | 7 | 8 | 18 | 35 | 44 | 27 | 5 | -0 | -11 | -19 | -26 | -27 | 11406 | |
| EQUINOX | -43 | -43 | -16 | 6 | 16 | 13 | 7 | 1 | -4 | -6 | -4 | 2 | 10 | 15 | 21 | 23 | 29 | 29 | 21 | 15 | -3 | -25 | -31 | -31 | 11392 | |
| SUMMER | -26 | -31 | -24 | -23 | -23 | -14 | -5 | -6 | -10 | -13 | -3 | 5 | 18 | 33 | 46 | 61 | 52 | 48 | 37 | 20 | -17 | -26 | -46 | -52 | 11397 | |
| YEAR | -29 | -29 | -17 | -7 | -2 | 0 | 1 | -3 | -6 | -8 | -4 | 3 | 12 | 18 | 28 | 40 | 41 | 35 | 21 | 12 | -10 | -23 | -34 | -37 | 11398 | |

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