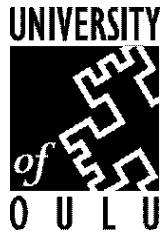


**SODANKYLÄ GEOPHYSICAL OBSERVATORY
PUBLICATIONS**



No. 99

MAGNETIC RESULTS

SODANKYLÄ 2005

JOHANNES KULTIMA
TERO RAITA

OULU 2006

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SODANKYLÄ GEOPHYSICAL OBSERVATORY
MAGNETIC RESULTS 2005

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. Its coordinates are:

| | Lat. | Long. | |
|----------------|------------|--|-------------|
| Geographic | 67°22'09"N | 26 37'47"E | h = 178 m |
| | | 1 ^h 46 ^m 31.1 ^s | |
| Geomagn.(dip.) | 63.67° | 120.44° | Ψ = -26.28° |
| Corr.geomagn. | 63.4° | 108.9° | 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

Observations during the year 2005 were made by Johannes Kultima and Tero Raita.

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

East intensity Y

| | |
|---------------|-----------|
| 01.01.-31.03. | 1807.0 nT |
| 01.04.-04.06. | 06.5 |
| 05.06.-11.07. | 07.0 |
| 12.07.-15.08. | 07.5 |
| 16.08.-04.11. | 08.0 |
| 05.11.-17.12. | 07.5 |
| 18.12.-31.12. | 07.0 |

North intensity X

| | |
|---------------|------------|
| 01.01.-02.03. | 11415.0 nT |
| 03.03.-05.05. | 14.5 |
| 06.05.-22.06. | 15.0 |
| 23.06.-01.07. | 15.5 |
| 02.07.-22.07. | 16.0 |
| 23.07.-16.08. | 16.5 |
| 17.08.-10.09. | 16.0 |
| 11.09.-25.11. | 16.5 |
| 26.11.-18.12. | 16.0 |
| 19.12.-31.12. | 15.5 |

Vertical intensity Z

| | |
|---------------|------------|
| 01.01.-20.05. | 51154.3 nT |
| 21.05.-18.07. | 54.0 |
| 19.07.-09.11. | 53.7 |
| 10.11.-31.12. | 54.0 |

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 37 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:

$$\begin{aligned} \Delta X &= 0.986 \Delta H - 0.556 \Delta D & \Delta H &= 0.986 \Delta X + 0.165 \Delta Y \\ \Delta Y &= 0.165 \Delta H + 3.324 \Delta D & \Delta D &= 0.293 \Delta Y - 0.049 \Delta X \\ \Delta F &= 0.221 \Delta H + 0.975 \Delta Z & \Delta I &= 0.0144 \Delta Z - 0.0638 \Delta H \\ &= 0.218 \Delta X + 0.036 \Delta Y + 0.975 \Delta Z \end{aligned}$$

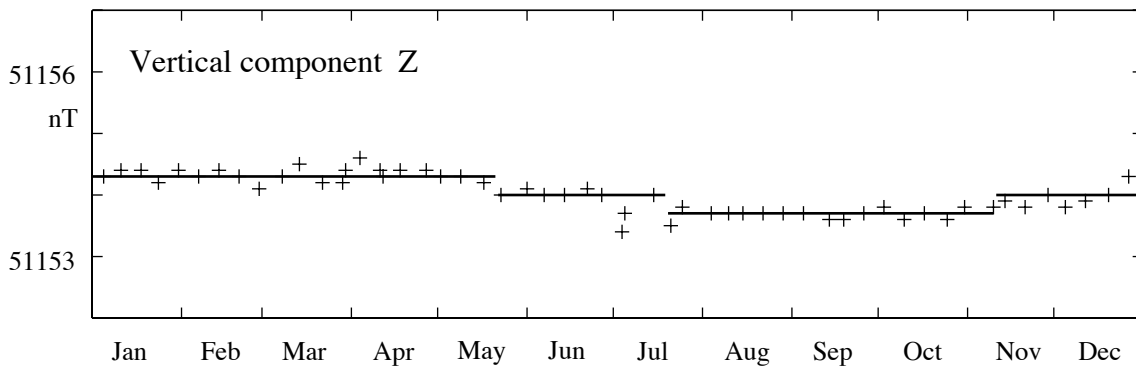
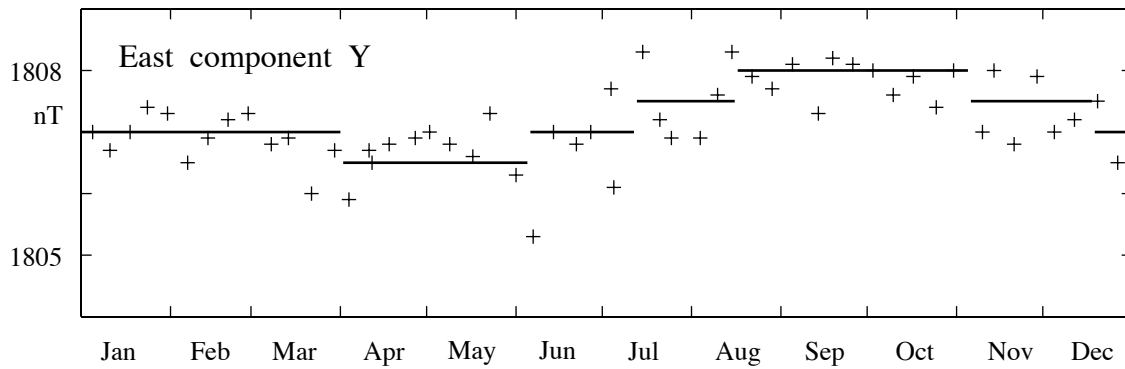
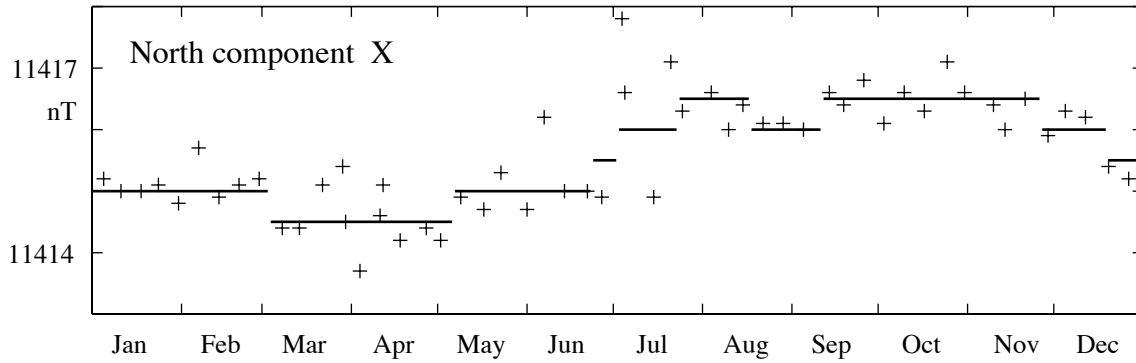
where X, Y, H, Z, F are expressed in nT and D, I in arc minutes.

In 1945 new absolute and variation rooms were built on a new site, ca 250 m WNW 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)

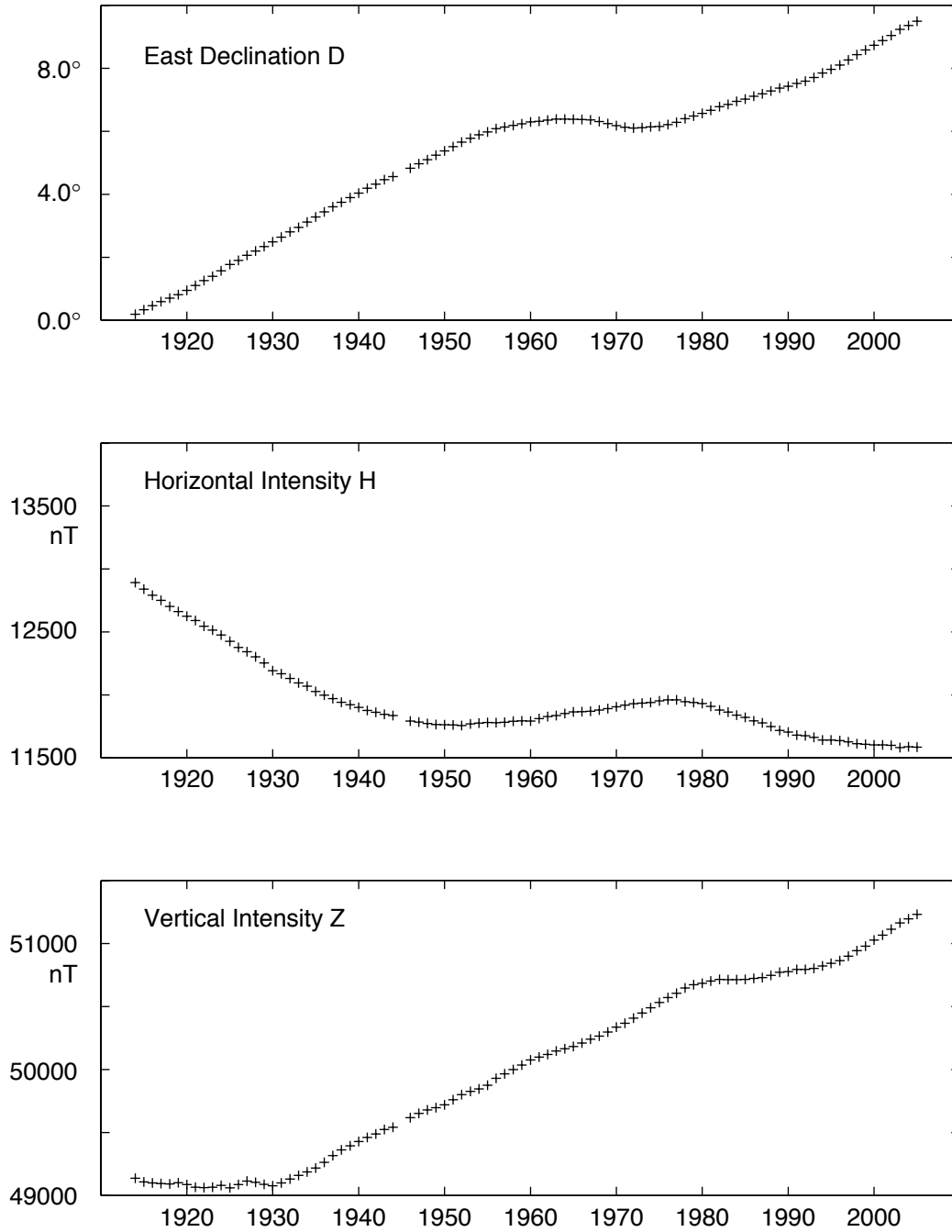
$$\begin{aligned} \Delta D &= + 7.0' & \Delta Y &= + 25 \text{ nT} \\ \Delta H &= + 15 \text{ nT} & \Delta X &= + 12 \text{ nT} \\ \Delta Z &= +124 \text{ nT} & \Delta F &= +124 \text{ nT} \\ & & \Delta I &= + 0.9' \end{aligned}$$

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.

MEASURED AND ADOPTED BASELINES FOR 2005

ANNUAL MEANS FOR 1914 -2005



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 | 9 13.9 | 457 | 431 | 1858 | 14.7 |
| 04 | 195 | 588 | 9 21.3 | 490 | 433 | 1884 | 14.8 |
| 05 | 231 | 585 | 9 29.7 | 524 | 426 | 1911 | 15.5 |

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 | 9 11.3 | 463 | 454 | 1853 | 13.3 |
| 04 | 199 | 602 | 9 19.5 | 497 | 449 | 1880 | 13.9 |
| 05 | 236 | 599 | 9 28.1 | 533 | 441 | 1908 | 14.7 |

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 | 9 32.4 | 508 | 399 | 1916 | 17.0 |

| SODANKYLÄ | MONTHLY AND ANNUAL MEANS | | | | | | ALL DAYS 2005 | |
|-----------|--------------------------|-------|--------|-------|-------|------|---------------|--|
| | Z | H | D | F | X | Y | I | |
| JANUARY | 51214 | 11578 | 9 28.3 | 52506 | 11420 | 1905 | 77 15.7 | |
| FEBRUARY | 51223 | 11592 | 9 26.1 | 52518 | 11435 | 1900 | 77 14.9 | |
| MARCH | 51216 | 11583 | 9 27.0 | 52510 | 11426 | 1902 | 77 15.4 | |
| APRIL | 51222 | 11585 | 9 27.2 | 52516 | 11428 | 1903 | 77 15.3 | |
| MAY | 51223 | 11576 | 9 28.7 | 52515 | 11418 | 1906 | 77 15.9 | |
| JUNE | 51233 | 11585 | 9 29.3 | 52527 | 11427 | 1910 | 77 15.5 | |
| JULY | 51230 | 11584 | 9 30.2 | 52523 | 11425 | 1912 | 77 15.5 | |
| AUGUST | 51228 | 11587 | 9 30.2 | 52522 | 11428 | 1913 | 77 15.3 | |
| SEPTEMBER | 51244 | 11577 | 9 32.6 | 52535 | 11417 | 1919 | 77 16.2 | |
| OCTOBER | 51245 | 11589 | 9 31.5 | 52539 | 11430 | 1918 | 77 15.4 | |
| NOVEMBER | 51245 | 11590 | 9 32.3 | 52539 | 11430 | 1920 | 77 15.3 | |
| DECEMBER | 51245 | 11591 | 9 32.8 | 52539 | 11431 | 1922 | 77 15.3 | |
| WINTER | 51232 | 11588 | 9 29.9 | 52526 | 11429 | 1912 | 77 15.3 | |
| EQUINOX | 51232 | 11584 | 9 29.6 | 52525 | 11425 | 1910 | 77 15.6 | |
| SUMMER | 51228 | 11583 | 9 29.6 | 52522 | 11425 | 1910 | 77 15.5 | |
| YEAR | 51231 | 11585 | 9 29.7 | 52524 | 11426 | 1911 | 77 15.5 | |

| SODANKYLÄ | MONTHLY AND ANNUAL MEANS | | | | | | 5 QUIET DAYS 2005 | |
|-----------|--------------------------|-------|--------|-------|-------|------|-------------------|--|
| | Z | H | D | F | X | Y | I | |
| JANUARY | 51229 | 11599 | 9 25.0 | 52526 | 11442 | 1898 | 77 14.6 | |
| FEBRUARY | 51223 | 11601 | 9 24.6 | 52521 | 11445 | 1897 | 77 14.4 | |
| MARCH | 51225 | 11599 | 9 25.1 | 52522 | 11443 | 1898 | 77 14.5 | |
| APRIL | 51226 | 11602 | 9 26.0 | 52524 | 11445 | 1901 | 77 14.3 | |
| MAY | 51233 | 11601 | 9 26.8 | 52530 | 11444 | 1904 | 77 14.5 | |
| JUNE | 51235 | 11603 | 9 27.8 | 52533 | 11446 | 1908 | 77 14.4 | |
| JULY | 51230 | 11602 | 9 28.1 | 52527 | 11444 | 1909 | 77 14.4 | |
| AUGUST | 51237 | 11592 | 9 30.2 | 52532 | 11433 | 1914 | 77 15.1 | |
| SEPTEMBER | 51250 | 11593 | 9 30.3 | 52545 | 11433 | 1914 | 77 15.3 | |
| OCTOBER | 51247 | 11596 | 9 30.8 | 52543 | 11436 | 1916 | 77 15.0 | |
| NOVEMBER | 51248 | 11597 | 9 31.4 | 52544 | 11437 | 1919 | 77 14.9 | |
| DECEMBER | 51250 | 11599 | 9 31.6 | 52546 | 11439 | 1920 | 77 14.8 | |
| WINTER | 51238 | 11599 | 9 28.1 | 52534 | 11441 | 1908 | 77 14.7 | |
| EQUINOX | 51237 | 11597 | 9 28.0 | 52533 | 11439 | 1908 | 77 14.8 | |
| SUMMER | 51234 | 11600 | 9 28.2 | 52530 | 11442 | 1909 | 77 14.6 | |
| YEAR | 51236 | 11599 | 9 28.1 | 52533 | 11441 | 1908 | 77 14.7 | |

| SODANKYLÄ | MONTHLY AND ANNUAL MEANS | | | | | | 5 DISTURBED DAYS 2005 | |
|-----------|--------------------------|-------|--------|-------|-------|------|-----------------------|--|
| | Z | H | D | F | X | Y | I | |
| JANUARY | 51205 | 11538 | 9 33.0 | 52488 | 11378 | 1914 | 77 18.1 | |
| FEBRUARY | 51217 | 11562 | 9 31.0 | 52506 | 11403 | 1911 | 77 16.7 | |
| MARCH | 51197 | 11538 | 9 30.4 | 52481 | 11379 | 1906 | 77 18.0 | |
| APRIL | 51219 | 11535 | 9 33.1 | 52502 | 11375 | 1914 | 77 18.5 | |
| MAY | 51194 | 11540 | 9 29.8 | 52479 | 11381 | 1904 | 77 17.8 | |
| JUNE | 51243 | 11554 | 9 31.1 | 52530 | 11395 | 1911 | 77 17.6 | |
| JULY | 51223 | 11590 | 9 29.4 | 52518 | 11432 | 1911 | 77 15.0 | |
| AUGUST | 51207 | 11569 | 9 31.4 | 52498 | 11409 | 1914 | 77 16.2 | |
| SEPTEMBER | 51222 | 11538 | 9 39.5 | 52505 | 11374 | 1936 | 77 18.3 | |
| OCTOBER | 51245 | 11581 | 9 31.3 | 52537 | 11422 | 1916 | 77 15.9 | |
| NOVEMBER | 51233 | 11585 | 9 33.5 | 52526 | 11424 | 1923 | 77 15.5 | |
| DECEMBER | 51230 | 11577 | 9 35.0 | 52522 | 11415 | 1927 | 77 16.0 | |
| WINTER | 51221 | 11565 | 9 33.1 | 52510 | 11405 | 1919 | 77 16.6 | |
| EQUINOX | 51221 | 11548 | 9 33.6 | 52506 | 11388 | 1918 | 77 17.7 | |
| SUMMER | 51217 | 11563 | 9 30.4 | 52506 | 11404 | 1910 | 77 16.7 | |
| YEAR | 51219 | 11559 | 9 32.4 | 52508 | 11399 | 1916 | 77 17.0 | |

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

NORTH COMPONENT X IN NT JANUARY 2005 X = 11000 + TABULAR VALUES

Table with columns: DAY/ UT, 1-24, MEAN. Rows include data for days 1-31 and a MEANS section with ALL, QUIET, and DIST. values.

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

NORTH COMPONENT X IN NT FEBRUARY 2005 X = 11000 + TABULAR VALUES

Table with columns: DAY/ UT, 1-24, MEAN. Rows include data for days 1-28 and a MEANS section with ALL, QUIET, and DIST. values.

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

EAST COMPONENT Y IN NT

MARCH 2005

Y = 1000 + TABULAR VALUES

Table with columns: DAY/ UT, 1-24, MEAN. Rows 1-31. Contains numerical data for March 2005 observations.

MEANS

Summary row for March 2005 with columns: ALL, QUIET, DIST., and values 917-906.

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

EAST COMPONENT Y IN NT

APRIL 2005

Y = 1000 + TABULAR VALUES

Table with columns: DAY/ UT, 1-24, MEAN. Rows 1-31. Contains numerical data for April 2005 observations.

MEANS

Summary row for April 2005 with columns: ALL, QUIET, DIST., and values 911-906.

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

EAST COMPONENT Y IN NT

JULY 2005

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 | 918 | 910 | 921 | 939 | 946 | 943 | 940 | 930 | 922 | 910 | 892 | 881 | 874 | 880 | 876 | 882 | 857 | 871 | 845 | 841 | 889 | 883 | 944 | 959 | 902 | | |
| 2 | 969 | 1008 | 961 | 941 | 942 | 948 | 943 | 940 | 927 | 912 | 900 | 885 | 877 | 879 | 889 | 903 | 905 | 902 | 922 | 900 | 886 | 914 | 933 | 937 | 922 | | |
| 3 | 938 | 955 | 950 | 944 | 945 | 936 | 935 | 938 | 923 | 905 | 895 | 890 | 881 | 877 | 894 | 897 | 902 | 899 | 899 | 896 | 896 | 901 | 897 | 902 | 912 | | |
| 4 | 910 | 927 | 923 | 935 | 934 | 933 | 936 | 924 | 909 | 896 | 888 | 881 | 880 | 881 | 891 | 902 | 903 | 901 | 897 | 896 | 901 | 903 | 909 | 916 | 907 | | |
| 5 | Q 925 | 921 | 926 | 932 | 938 | 935 | 936 | 921 | 911 | 895 | 880 | 869 | 873 | 885 | 893 | 900 | 902 | 900 | 900 | 897 | 899 | 904 | 911 | 910 | 907 | | |
| 6 | Q 911 | 922 | 928 | 930 | 931 | 933 | 935 | 931 | 924 | 911 | 891 | 873 | 863 | 869 | 882 | 887 | 900 | 901 | 898 | 894 | 893 | 896 | 904 | 916 | 905 | | |
| 7 | 915 | 920 | 924 | 928 | 929 | 933 | 932 | 921 | 911 | 898 | 884 | 874 | 869 | 862 | 874 | 880 | 904 | 894 | 894 | 889 | 888 | 891 | 905 | 916 | 902 | | |
| 8 | Q 925 | 936 | 951 | 940 | 934 | 932 | 931 | 929 | 917 | 904 | 890 | 882 | 875 | 873 | 875 | 885 | 893 | 895 | 897 | 897 | 899 | 909 | 916 | 920 | 908 | | |
| 9 | D 929 | 935 | 938 | 937 | 938 | 934 | 943 | 954 | 937 | 908 | 879 | 867 | 862 | 869 | 792 | 789 | 806 | 852 | 872 | 916 | 895 | 896 | 921 | 978 | 898 | | |
| 10 | D 1006 | 1037 | 953 | 934 | 903 | 904 | 927 | 886 | 906 | 902 | 895 | 913 | 964 | 1052 | 928 | 657 | 734 | 823 | 808 | 817 | 867 | 950 | 983 | 941 | 904 | | |
| 11 | 1006 | 1067 | 969 | 928 | 942 | 934 | 927 | 917 | 910 | 910 | 906 | 896 | 879 | 892 | 883 | 882 | 894 | 880 | 861 | 958 | 930 | 910 | 919 | 951 | 923 | | |
| 12 | D 969 | 1005 | 870 | 995 | 973 | 895 | 915 | 926 | 925 | 921 | 938 | 988 | 961 | 929 | 916 | 901 | 891 | 891 | 905 | 900 | 902 | 906 | 911 | 915 | 927 | | |
| 13 | D 924 | 927 | 928 | 935 | 929 | 932 | 928 | 912 | 937 | 924 | 915 | 878 | 862 | 887 | 875 | 869 | 872 | 926 | 895 | 890 | 892 | 899 | 893 | 913 | 906 | | |
| 14 | 912 | 927 | 934 | 926 | 914 | 928 | 934 | 931 | 921 | 916 | 900 | 882 | 883 | 889 | 906 | 907 | 911 | 910 | 909 | 908 | 905 | 900 | 908 | 918 | 912 | | |
| 15 | 923 | 930 | 931 | 935 | 937 | 938 | 928 | 923 | 919 | 915 | 903 | 891 | 883 | 891 | 898 | 902 | 907 | 905 | 902 | 912 | 912 | 906 | 909 | 919 | 913 | | |
| 16 | 919 | 932 | 945 | 920 | 927 | 924 | 918 | 916 | 912 | 903 | 898 | 894 | 896 | 898 | 900 | 896 | 899 | 906 | 898 | 900 | 904 | 912 | 916 | 924 | 911 | | |
| 17 | 930 | 929 | 943 | 942 | 937 | 937 | 939 | 919 | 928 | 953 | 901 | 872 | 874 | 875 | 859 | 882 | 898 | 886 | 895 | 905 | 900 | 901 | 930 | 1025 | 915 | | |
| 18 | 1013 | 1072 | 1119 | 1018 | 1017 | 914 | 936 | 933 | 908 | 898 | 901 | 901 | 894 | 905 | 892 | 897 | 895 | 894 | 897 | 894 | 931 | 932 | 936 | 941 | 939 | | |
| 19 | 948 | 950 | 946 | 945 | 946 | 936 | 934 | 928 | 923 | 912 | 903 | 895 | 887 | 887 | 894 | 905 | 907 | 909 | 904 | 903 | 899 | 926 | 951 | 944 | 920 | | |
| 20 | 963 | 942 | 932 | 933 | 939 | 933 | 929 | 927 | 922 | 912 | 891 | 878 | 868 | 876 | 865 | 858 | 886 | 882 | 878 | 935 | 902 | 900 | 911 | 936 | 908 | | |
| 21 | 996 | 1128 | 1062 | 1021 | 899 | 928 | 904 | 925 | 916 | 909 | 906 | 894 | 882 | 882 | 891 | 897 | 891 | 899 | 887 | 917 | 918 | 909 | 967 | 942 | 932 | | |
| 22 | 961 | 926 | 931 | 942 | 948 | 942 | 936 | 929 | 917 | 909 | 894 | 883 | 879 | 885 | 897 | 902 | 894 | 829 | 892 | 903 | 868 | 917 | 910 | 910 | 913 | | |
| 23 | 912 | 922 | 930 | 934 | 931 | 928 | 930 | 921 | 917 | 906 | 900 | 894 | 887 | 887 | 889 | 896 | 911 | 902 | 904 | 904 | 902 | 902 | 907 | 894 | 909 | | |
| 24 | Q 914 | 921 | 926 | 930 | 929 | 932 | 928 | 921 | 914 | 906 | 895 | 894 | 897 | 897 | 897 | 893 | 894 | 890 | 902 | 911 | 900 | 902 | 909 | 917 | 911 | | |
| 25 | Q 918 | 926 | 933 | 940 | 941 | 942 | 942 | 934 | 921 | 911 | 899 | 897 | 895 | 898 | 897 | 894 | 896 | 897 | 897 | 891 | 895 | 902 | 908 | 906 | 912 | | |
| 26 | 922 | 924 | 930 | 928 | 930 | 928 | 922 | 913 | 907 | 901 | 890 | 882 | 880 | 879 | 885 | 888 | 890 | 894 | 887 | 887 | 895 | 897 | 902 | 911 | 903 | | |
| 27 | 913 | 936 | 950 | 948 | 942 | 934 | 918 | 912 | 911 | 900 | 889 | 882 | 889 | 891 | 904 | 903 | 907 | 903 | 905 | 889 | 866 | 929 | 936 | 951 | 913 | | |
| 28 | D 969 | 961 | 972 | 981 | 997 | 896 | 933 | 925 | 924 | 913 | 892 | 886 | 872 | 879 | 900 | 879 | 879 | 892 | 925 | 885 | 883 | 949 | 916 | 960 | 920 | | |
| 29 | 996 | 958 | 952 | 945 | 943 | 934 | 931 | 923 | 924 | 914 | 891 | 896 | 888 | 876 | 874 | 873 | 881 | 815 | 879 | 896 | 896 | 905 | 933 | 901 | 909 | | |
| 30 | 952 | 974 | 921 | 930 | 944 | 926 | 925 | 920 | 911 | 905 | 895 | 888 | 885 | 885 | 900 | 909 | 906 | 900 | 898 | 900 | 903 | 909 | 912 | 910 | 913 | | |
| 31 | 919 | 921 | 929 | 938 | 940 | 929 | 916 | 909 | 909 | 901 | 896 | 887 | 882 | 884 | 901 | 900 | 902 | 904 | 905 | 903 | 907 | 905 | 907 | 967 | 911 | | |
| MEANS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALL | 943 | 956 | 946 | 944 | 940 | 930 | 930 | 924 | 918 | 909 | 897 | 889 | 885 | 890 | 888 | 881 | 888 | 892 | 892 | 898 | 897 | 909 | 920 | 931 | 912 | | |
| QUIET | 919 | 925 | 932 | 934 | 935 | 935 | 935 | 928 | 919 | 907 | 894 | 884 | 881 | 884 | 889 | 892 | 897 | 897 | 899 | 899 | 897 | 903 | 910 | 914 | 909 | | |
| DIST. | 960 | 973 | 932 | 956 | 948 | 912 | 929 | 921 | 926 | 914 | 904 | 906 | 904 | 923 | 882 | 819 | 836 | 878 | 881 | 881 | 888 | 920 | 925 | 941 | 911 | | |

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

EAST COMPONENT Y IN NT

AUGUST 2005

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 | 991 | 969 | 947 | 953 | 945 | 938 | 943 | 946 | 932 | 906 | 886 | 869 | 869 | 875 | 865 | 869 | 891 | 891 | 896 | 891 | 898 | 902 | 907 | 925 | 913 |
| 2 | 925 | 933 | 943 | 954 | 940 | 925 | 928 | 920 | 903 | 895 | 888 | 881 | 875 | 892 | 888 | 891 | 895 | 895 | 901 | 906 | 904 | 909 | 913 | 918 | 909 |
| 3 | 921 | 931 | 920 | 927 | 919 | 912 | 914 | 920 | 923 | 915 | 901 | 891 | 888 | 890 | 901 | 905 | 905 | 914 | 911 | 898 | 911 | 895 | 934 | 937 | 912 |
| 4 | 932 | 947 | 942 | 928 | 918 | 928 | 942 | 925 | 914 | 913 | 904 | 893 | 881 | 877 | 884 | 885 | 903 | 909 | 901 | 906 | 917 | 910 | 909 | 919 | 912 |
| 5 | 917 | 919 | 925 | 931 | 932 | 931 | 923 | 916 | 900 | 889 | 880 | 883 | 888 | 890 | 899 | 901 | 888 | 887 | 895 | 909 | 911 | 906 | 931 | 941 | 908 |
| 6 | D 952 | 1030 | 985 | 942 | 925 | 934 | 929 | 936 | 939 | 907 | 900 | 885 | 890 | 894 | 899 | 904 | 883 | 902 | 883 | 910 | 939 | 906 | 945 | 955 | 924 |
| 7 | 926 | 941 | 937 | 941 | 924 | 924 | 911 | 905 | 912 | 905 | 908 | 897 | 895 | 904 | 910 | 915 | 914 | 908 | 927 | 906 | 913 | 903 | 913 | 908 | 914 |
| 8 | 913 | 908 | 927 | 932 | 928 | 919 | 917 | 906 | 902 | 897 | 893 | 887 | 885 | 886 | 899 | 903 | 907 | 907 | 907 | 905 | 901 | 908 | 915 | 904 | 907 |
| 9 | 909 | 903 | 910 | 921 | 927 | 933 | 930 | 924 | 913 | 903 | 892 | 889 | 887 | 891 | 897 | 901 | 906 | 900 | 906 | 900 | 905 | 913 | 920 | 925 | 909 |
| 10 | 921 | 942 | 926 | 936 | 940 | 938 | 932 | 923 | 927 | 939 | 952 | 955 | 912 | 900 | 915 | 901 | 906 | 900 | 903 | 903 | 900 | 903 | 906 | 917 | 921 |
| 11 | Q 917 | 919 | 924 | 928 | 926 | 928 | 928 | 924 | 915 | 902 | 895 | 889 | 892 | 899 | 900 | 903 | 903 | 903 | 902 | 905 | 905 | 910 | 919 | 915 | 910 |
| 12 | Q 919 | 931 | 936 | 934 | 932 | 934 | 934 | 928 | 921 | 914 | 904 | 897 | 891 | 887 | 888 | 895 | 897 | 900 | 903 | 905 | 911 | 904 | 914 | 942 | 913 |
| 13 | D 930 | 925 | 937 | 927 | 923 | 920 | 921 | 918 | 909 | 900 | 892 | 884 | 872 | 875 | 880 | 882 | 895 | 897 | 893 | 901 | 917 | 918 | 968 | 964 | 910 |
| 14 | 949 | 939 | 960 | 928 | 939 | 937 | 923 | 922 | 916 | 905 | 895 | 888 | 890 | 894 | 895 | 898 | 905 | 905 | 908 | 910 | 907 | 930 | 928 | 919 | 916 |
| 15 | 921 | 923 | 924 | 928 | 931 | 931 | 934 | 926 | 916 | 905 | 889 | 883 | 881 | 886 | 889 | 895 | 892 | 899 | 900 | 899 | 902 | 922 | 959 | 923 | 911 |
| 16 | 921 | 933 | 926 | 938 | 921 | 920 | 938 | 938 | 930 | 913 | 894 | 885 | 871 | 904 | 895 | 888 | 901 | 903 | 910 | 913 | 910 | 914 | 922 | 922 | 913 |
| 17 | 943 | 921 | 936 | 936 | 931 | 929 | 935 | 936 | 926 | 909 | 893 | 880 | 872 | 879 | 885 | 883 | 922 | 904 | 902 | 910 | 902 | 930 | 925 | 939 | 914 |
| 18 | 919 | 907 | 936 | 946 | 942 | 940 | 929 | 923 | 920 | 914 | 901 | 892 | 885 | 883 | 906 | 901 | 901 | 926 | 916 | 914 | 919 | 936 | 912 | 921 | 916 |
| 19 | 912 | 908 | 929 | 936 | 937 | 935 | 925 | 918 | 908 | 898 | 891 | 890 | 892 | 896 | 901 | 911 | 905 | 905 | 905 | 910 | 907 | 915 | 909 | 914 | 911 |
| 20 | Q 920 | 922 | 925 | 932 | 932 | 934 | 933 | 925 | 912 | 899 | 885 | 879 | 883 | 895 | 904 | 908 | 908 | 907 | 910 | 91 | | | | | |

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

EAST COMPONENT Y IN NT SEPTEMBER 2005 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 | 945 | 981 | 952 | 951 | 943 | 922 | 909 | 908 | 910 | 904 | 901 | 899 | 893 | 899 | 907 | 911 | 914 | 912 | 911 | 913 | 920 | 938 | 925 | 927 | 921 | |
| 2 | D | 922 | 921 | 923 | 927 | 931 | 916 | 912 | 911 | 921 | 902 | 888 | 887 | 896 | 894 | 894 | 903 | 841 | 919 | 829 | 817 | 916 | 917 | 932 | 902 | |
| 3 | | 962 | 930 | 946 | 904 | 965 | 901 | 918 | 928 | 923 | 915 | 903 | 911 | 910 | 910 | 918 | 908 | 911 | 915 | 916 | 915 | 922 | 918 | 906 | 890 | 919 |
| 4 | | 912 | 933 | 970 | 922 | 875 | 899 | 915 | 915 | 934 | 920 | 892 | 922 | 915 | 917 | 923 | 928 | 924 | 946 | 940 | 915 | 926 | 890 | 934 | 922 | 920 |
| 5 | | 924 | 913 | 931 | 939 | 935 | 925 | 920 | 915 | 908 | 899 | 892 | 891 | 890 | 906 | 921 | 920 | 946 | 929 | 917 | 917 | 931 | 912 | 914 | 916 | 917 |
| 6 | | 939 | 974 | 958 | 946 | 943 | 937 | 930 | 927 | 917 | 904 | 892 | 882 | 884 | 891 | 902 | 911 | 922 | 916 | 916 | 909 | 916 | 910 | 917 | 910 | 919 |
| 7 | | 910 | 922 | 919 | 921 | 921 | 918 | 908 | 907 | 902 | 899 | 891 | 897 | 904 | 899 | 908 | 912 | 914 | 916 | 917 | 913 | 915 | 917 | 919 | 916 | 911 |
| 8 | Q | 909 | 905 | 929 | 940 | 935 | 932 | 925 | 917 | 908 | 905 | 905 | 904 | 904 | 901 | 906 | 910 | 925 | 917 | 908 | 914 | 930 | 911 | 916 | 913 | 915 |
| 9 | | 921 | 924 | 926 | 922 | 925 | 931 | 931 | 925 | 916 | 907 | 896 | 896 | 891 | 888 | 907 | 885 | 876 | 889 | 890 | 885 | 881 | 956 | 920 | 951 | 910 |
| 10 | | 961 | 951 | 941 | 938 | 946 | 944 | 952 | 913 | 913 | 903 | 899 | 884 | 886 | 880 | 861 | 856 | 858 | 852 | 808 | 857 | 868 | 996 | 940 | 932 | 906 |
| 11 | D | 1003 | 972 | 1090 | 1185 | 1092 | 1052 | 1078 | 948 | 994 | 1022 | 1021 | 1029 | 1006 | 959 | 903 | 903 | 916 | 900 | 828 | 942 | 965 | 938 | 987 | 984 | 988 |
| 12 | D | 993 | 1040 | 961 | 943 | 962 | 951 | 941 | 987 | 962 | 1004 | 927 | 897 | 894 | 894 | 880 | 951 | 924 | 907 | 885 | 995 | 936 | 911 | 971 | 939 | 944 |
| 13 | D | 984 | 1020 | 958 | 916 | 909 | 900 | 914 | 923 | 924 | 907 | 971 | 977 | 953 | 932 | 924 | 919 | 920 | 916 | 917 | 851 | 904 | 919 | 925 | 931 | 930 |
| 14 | | 942 | 947 | 955 | 939 | 939 | 927 | 920 | 918 | 899 | 919 | 909 | 909 | 908 | 894 | 924 | 908 | 904 | 908 | 896 | 897 | 906 | 929 | 932 | 953 | 920 |
| 15 | D | 959 | 934 | 945 | 936 | 927 | 923 | 920 | 919 | 916 | 926 | 904 | 891 | 877 | 890 | 963 | 863 | 887 | 878 | 897 | 886 | 846 | 979 | 967 | 950 | 916 |
| 16 | | 940 | 934 | 944 | 940 | 933 | 932 | 910 | 915 | 921 | 932 | 924 | 918 | 916 | 938 | 928 | 930 | 915 | 915 | 899 | 934 | 949 | 943 | 918 | 922 | 927 |
| 17 | | 922 | 919 | 919 | 917 | 914 | 924 | 927 | 926 | 917 | 909 | 906 | 897 | 901 | 919 | 913 | 943 | 914 | 926 | 917 | 919 | 922 | 920 | 930 | 934 | 919 |
| 18 | | 920 | 913 | 916 | 912 | 923 | 915 | 919 | 927 | 909 | 898 | 905 | 907 | 901 | 907 | 919 | 923 | 923 | 922 | 940 | 926 | 925 | 932 | 921 | 915 | 917 |
| 19 | | 917 | 901 | 923 | 932 | 932 | 930 | 924 | 917 | 909 | 900 | 894 | 896 | 897 | 904 | 915 | 923 | 928 | 916 | 927 | 939 | 928 | 927 | 921 | 917 | 917 |
| 20 | Q | 920 | 915 | 916 | 922 | 929 | 928 | 922 | 907 | 910 | 903 | 897 | 895 | 904 | 914 | 921 | 920 | 917 | 919 | 918 | 926 | 913 | 907 | 906 | 915 | 914 |
| 21 | Q | 916 | 914 | 922 | 926 | 928 | 927 | 921 | 917 | 907 | 902 | 896 | 895 | 899 | 905 | 910 | 919 | 915 | 910 | 912 | 916 | 916 | 916 | 915 | 914 | 913 |
| 22 | | 906 | 907 | 912 | 918 | 925 | 931 | 931 | 925 | 913 | 906 | 900 | 895 | 893 | 898 | 901 | 894 | 899 | 903 | 904 | 913 | 915 | 918 | 917 | 910 | 910 |
| 23 | | 920 | 914 | 922 | 930 | 916 | 909 | 910 | 919 | 910 | 908 | 902 | 900 | 896 | 901 | 903 | 908 | 912 | 914 | 917 | 927 | 944 | 931 | 921 | 912 | 914 |
| 24 | Q | 922 | 940 | 940 | 938 | 932 | 925 | 921 | 921 | 920 | 916 | 910 | 902 | 904 | 899 | 903 | 908 | 909 | 909 | 909 | 911 | 912 | 915 | 920 | 920 | 917 |
| 25 | Q | 921 | 921 | 923 | 923 | 927 | 930 | 929 | 927 | 920 | 914 | 901 | 882 | 875 | 887 | 896 | 908 | 900 | 903 | 908 | 911 | 916 | 917 | 915 | 918 | 911 |
| 26 | | 923 | 935 | 919 | 915 | 930 | 937 | 930 | 927 | 920 | 909 | 898 | 887 | 873 | 884 | 883 | 887 | 902 | 905 | 918 | 945 | 920 | 1025 | 961 | 928 | 919 |
| 27 | | 929 | 934 | 924 | 909 | 923 | 909 | 917 | 924 | 924 | 922 | 907 | 900 | 887 | 888 | 892 | 903 | 912 | 921 | 924 | 922 | 916 | 918 | 896 | 951 | 915 |
| 28 | | 931 | 943 | 934 | 924 | 924 | 903 | 909 | 911 | 907 | 897 | 899 | 894 | 903 | 893 | 907 | 913 | 914 | 942 | 926 | 918 | 916 | 920 | 920 | 929 | 916 |
| 29 | | 930 | 920 | 923 | 920 | 919 | 924 | 924 | 924 | 916 | 910 | 905 | 904 | 902 | 898 | 906 | 914 | 916 | 933 | 917 | 915 | 913 | 915 | 918 | 919 | 916 |
| 30 | | 921 | 923 | 920 | 918 | 916 | 919 | 922 | 916 | 907 | 905 | 901 | 897 | 893 | 888 | 909 | 903 | 905 | 904 | 908 | 911 | 924 | 942 | 934 | 932 | 913 |

MEANS

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ALL | 934 | 937 | 939 | 936 | 934 | 928 | 927 | 922 | 919 | 916 | 908 | 905 | 902 | 903 | 908 | 909 | 909 | 912 | 904 | 912 | 917 | 929 | 927 | 927 | 919 |
| QUIET | 918 | 919 | 926 | 930 | 930 | 929 | 924 | 918 | 913 | 908 | 902 | 896 | 897 | 902 | 907 | 911 | 913 | 911 | 911 | 915 | 918 | 913 | 915 | 916 | 914 |
| DIST. | 972 | 977 | 975 | 981 | 964 | 948 | 953 | 937 | 944 | 952 | 942 | 936 | 925 | 914 | 913 | 908 | 898 | 904 | 871 | 898 | 913 | 931 | 956 | 946 | 936 |

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

EAST COMPONENT Y IN NT OCTOBER 2005 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 | 935 | 935 | 942 | 932 | 921 | 916 | 911 | 914 | 901 | 897 | 898 | 897 | 897 | 911 | 926 | 933 | 921 | 915 | 918 | 939 | 924 | 949 | 936 | 945 | 921 | |
| 2 | D | 994 | 927 | 914 | 932 | 931 | 918 | 914 | 915 | 922 | 911 | 905 | 903 | 899 | 912 | 917 | 913 | 927 | 927 | 909 | 911 | 915 | 917 | 940 | 913 | 920 |
| 3 | | 942 | 930 | 936 | 928 | 925 | 921 | 913 | 919 | 914 | 914 | 907 | 909 | 908 | 909 | 915 | 915 | 915 | 915 | 918 | 915 | 914 | 924 | 924 | 919 | |
| 4 | | 914 | 926 | 924 | 924 | 923 | 924 | 924 | 922 | 917 | 911 | 898 | 897 | 897 | 900 | 908 | 915 | 915 | 915 | 922 | 917 | 918 | 927 | 918 | 915 | 915 |
| 5 | | 917 | 914 | 923 | 929 | 927 | 928 | 926 | 921 | 915 | 903 | 893 | 897 | 900 | 903 | 907 | 911 | 910 | 910 | 906 | 919 | 926 | 924 | 918 | 924 | 915 |
| 6 | | 929 | 924 | 926 | 926 | 922 | 925 | 926 | 924 | 917 | 906 | 901 | 898 | 896 | 898 | 908 | 912 | 914 | 924 | 928 | 916 | 919 | 916 | 916 | 918 | 916 |
| 7 | | 921 | 918 | 921 | 925 | 925 | 924 | 925 | 924 | 919 | 908 | 900 | 898 | 885 | 872 | 877 | 902 | 898 | 898 | 949 | 899 | 907 | 914 | 992 | 950 | 915 |
| 8 | D | 953 | 958 | 952 | 939 | 946 | 944 | 940 | 918 | 927 | 916 | 914 | 908 | 899 | 895 | 894 | 895 | 903 | 911 | 911 | 986 | 927 | 934 | 909 | 907 | 924 |
| 9 | | 933 | 929 | 916 | 925 | 923 | 926 | 925 | 924 | 921 | 916 | 906 | 905 | 899 | 898 | 906 | 911 | 912 | 916 | 907 | 931 | 932 | 926 | 936 | 950 | 920 |
| 10 | | 939 | 931 | 920 | 921 | 922 | 932 | 927 | 913 | 916 | 918 | 918 | 902 | 906 | 899 | 903 | 910 | 912 | 914 | 914 | 919 | 923 | 920 | 926 | 931 | 918 |
| 11 | | 984 | 926 | 935 | 932 | 927 | 928 | 926 | 926 | 924 | 915 | 909 | 901 | 894 | 899 | 910 | 918 | 941 | 928 | 921 | 923 | 923 | 913 | 916 | 925 | 923 |
| 12 | Q | 921 | 920 | 920 | 923 | 924 | 926 | 927 | 927 | 924 | 919 | 911 | 905 | 902 | 906 | 910 | 911 | 913 | 915 | 916 | 916 | 918 | 922 | 919 | 913 | 917 |
| 13 | | 916 | 919 | 919 | 922 | 924 | 924 | 926 | 923 | 919 | 908 | 906 | 901 | 901 | 909 | 914 | 913 | 915 | 922 | 936 | 953 | 954 | 936 | 930 | 924 | 922 |
| 14 | Q | 923 | 918 | 924 | 923 | 927 | 931 | 927 | 920 | 912 | 902 | 899 | 903 | 908 | 912 | 912 | 913 | 915 | 915 | 916 | 917 | 919 | 917 | 919 | 919 | 916 |
| 15 | Q | 919 | 918 | 918 | 918 | 921 | 922 | 923 | 924 | 921 | 912 | 903 | 897 | 899 | 906 | 911 | 913 | 913 | 914 | 915 | 915 | 916 | 917 | 917 | 917 | 914 |
| 16 | | 917 | 919 | 921 | 920 | 920 | 923 | 923 | 921 | 919 | 909 | 899 | 893 | 887 | 879 | 881 | 890 | 903 | 920 | 941 | 943 | 935 | 926 | 929 | 1050 | 919 |
| 17 | D | 955 | 917 | 917 | 898 | 871 | 913 | 910 | 908 | 901 | 905 | 900 | 889 | 894 | 893 | 899 | 925 | 915 | 925 | 917 | 930 | 925 | 926 | 918 | 919 | 911 |
| 18 | | 921 | 920 | 922 | 915 | 914 | 920 | 918 | 915 | 913 | 910 | 906 | 899 | 899 | 911 | 915 | 916 | 928 | 915 | 917 | 927 | 946 | 930 | 923 | 920 | 918 |
| 19 | | 921 | 915 | 922 | 923 | 918 | 913 | 910 | 905 | 901 | 896 | 893 | 893 | 890 | 904 | 914 | 918 | 909 | 911 | 923 | 925 | 936 | 942 | 940 | 935 | 915 |
| 20 | Q | 907 | 918 | 924 | 923 | 927 | 925 | 920 | 918 | 912 | 908 | 904 | 905 | 910 | 914 | 915 | 921 | 916 | 918 | 918 | 920 | 920 | 915 | 922 | 917 | 917 |
| 21 | | 922 | 920 | 919 | 920 | 922 | 924 | | | | | | | | | | | | | | | | | | | |

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

EAST COMPONENT Y IN NT

NOVEMBER 2005

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 | 960 | 925 | 935 | 921 | 921 | 920 | 922 | 921 | 920 | 915 | 904 | 908 | 914 | 901 | 904 | 906 | 931 | 938 | 916 | 930 | 936 | 943 | 976 | 928 | 925 | | |
| 2 | | 923 | 934 | 934 | 928 | 924 | 924 | 922 | 924 | 921 | 918 | 912 | 912 | 910 | 910 | 912 | 911 | 908 | 909 | 909 | 906 | 961 | 988 | 946 | 943 | 925 | |
| 3 | D | 941 | 924 | 951 | 941 | 935 | 887 | 898 | 916 | 921 | 920 | 906 | 906 | 901 | 892 | 909 | 930 | 968 | 977 | 937 | 935 | 945 | 950 | 927 | 904 | 926 | |
| 4 | D | 943 | 960 | 925 | 929 | 930 | 902 | 914 | 905 | 914 | 921 | 899 | 901 | 907 | 907 | 891 | 922 | 931 | 912 | 1006 | 940 | 935 | 928 | 913 | 929 | 923 | |
| 5 | | 925 | 928 | 923 | 924 | 916 | 912 | 919 | 925 | 917 | 914 | 913 | 912 | 911 | 913 | 930 | 911 | 916 | 919 | 923 | 915 | 941 | 947 | 904 | 920 | | |
| 6 | D | 932 | 940 | 935 | 925 | 925 | 925 | 921 | 919 | 908 | 908 | 913 | 909 | 910 | 910 | 907 | 910 | 921 | 992 | 952 | 925 | 929 | 934 | 909 | 950 | 925 | |
| 7 | | 916 | 900 | 917 | 925 | 930 | 926 | 923 | 918 | 925 | 917 | 908 | 911 | 910 | 912 | 917 | 916 | 913 | 922 | 927 | 925 | 931 | 932 | 935 | 932 | 920 | |
| 8 | Q | 928 | 925 | 924 | 925 | 923 | 922 | 922 | 922 | 921 | 919 | 914 | 911 | 910 | 913 | 914 | 916 | 918 | 915 | 929 | 920 | 926 | 925 | 924 | 919 | 920 | |
| 9 | | 914 | 908 | 914 | 919 | 919 | 921 | 922 | 923 | 922 | 915 | 912 | 908 | 910 | 912 | 913 | 912 | 913 | 915 | 918 | 921 | 922 | 920 | 919 | 924 | 917 | |
| 10 | Q | 921 | 919 | 919 | 919 | 919 | 920 | 920 | 920 | 918 | 914 | 912 | 910 | 909 | 912 | 915 | 915 | 915 | 914 | 912 | 916 | 926 | 934 | 929 | 922 | 918 | |
| 11 | | 921 | 922 | 922 | 922 | 920 | 920 | 918 | 915 | 918 | 914 | 910 | 913 | 905 | 907 | 912 | 907 | 916 | 932 | 950 | 932 | 925 | 935 | 924 | 922 | 920 | |
| 12 | | 934 | 926 | 922 | 919 | 912 | 919 | 910 | 916 | 921 | 914 | 910 | 906 | 896 | 901 | 915 | 912 | 950 | 968 | 932 | 933 | 921 | 947 | 937 | 931 | 923 | |
| 13 | D | 926 | 925 | 927 | 911 | 907 | 922 | 926 | 920 | 915 | 921 | 912 | 909 | 900 | 909 | 896 | 874 | 893 | 931 | 926 | 927 | 960 | 969 | 965 | 933 | 921 | |
| 14 | | 925 | 931 | 921 | 934 | 925 | 911 | 917 | 914 | 910 | 905 | 909 | 906 | 904 | 912 | 920 | 913 | 919 | 918 | 925 | 931 | 932 | 964 | 935 | 923 | 921 | |
| 15 | | 919 | 919 | 924 | 924 | 920 | 917 | 914 | 914 | 914 | 904 | 909 | 904 | 908 | 904 | 905 | 912 | 920 | 922 | 923 | 931 | 923 | 934 | 930 | 921 | 918 | |
| 16 | Q | 922 | 921 | 922 | 922 | 922 | 925 | 926 | 921 | 919 | 916 | 912 | 913 | 909 | 913 | 917 | 918 | 919 | 928 | 918 | 920 | 921 | 925 | 927 | 910 | 919 | |
| 17 | Q | 918 | 921 | 922 | 922 | 922 | 921 | 920 | 916 | 906 | 910 | 908 | 909 | 912 | 915 | 918 | 917 | 917 | 918 | 919 | 920 | 920 | 921 | 922 | 920 | 917 | |
| 18 | | 917 | 916 | 918 | 919 | 918 | 918 | 917 | 911 | 901 | 901 | 902 | 904 | 906 | 908 | 911 | 908 | 911 | 911 | 927 | 917 | 919 | 919 | 919 | 921 | 913 | |
| 19 | | 922 | 921 | 922 | 920 | 920 | 919 | 920 | 919 | 917 | 912 | 910 | 908 | 909 | 911 | 907 | 898 | 900 | 892 | 914 | 919 | 990 | 968 | 945 | 928 | 920 | |
| 20 | | 919 | 921 | 923 | 925 | 924 | 919 | 916 | 904 | 910 | 908 | 906 | 910 | 913 | 913 | 915 | 917 | 912 | 929 | 928 | 922 | 922 | 914 | 934 | 926 | 918 | |
| 21 | | 934 | 927 | 931 | 925 | 912 | 918 | 918 | 919 | 921 | 919 | 917 | 913 | 914 | 915 | 916 | 914 | 917 | 926 | 928 | 927 | 928 | 921 | 918 | 912 | 920 | |
| 22 | | 908 | 924 | 923 | 923 | 922 | 918 | 916 | 916 | 915 | 907 | 901 | 899 | 882 | 883 | 882 | 894 | 907 | 935 | 920 | 933 | 938 | 953 | 940 | 928 | 915 | |
| 23 | | 921 | 917 | 920 | 926 | 923 | 912 | 903 | 909 | 917 | 913 | 904 | 897 | 894 | 904 | 919 | 921 | 928 | 937 | 934 | 934 | 948 | 951 | 954 | 938 | 922 | |
| 24 | | 927 | 917 | 917 | 922 | 922 | 919 | 907 | 916 | 914 | 917 | 921 | 913 | 901 | 891 | 896 | 906 | 925 | 917 | 947 | 998 | 975 | 959 | 971 | 976 | 928 | |
| 25 | | 966 | 929 | 905 | 914 | 917 | 904 | 906 | 909 | 898 | 906 | 911 | 914 | 919 | 899 | 917 | 948 | 922 | 921 | 921 | 935 | 928 | 938 | 938 | 917 | 921 | |
| 26 | | 911 | 912 | 920 | 921 | 921 | 919 | 918 | 914 | 910 | 908 | 909 | 912 | 902 | 914 | 920 | 921 | 945 | 924 | 927 | 931 | 931 | 934 | 930 | 929 | 920 | |
| 27 | Q | 920 | 918 | 920 | 920 | 918 | 919 | 921 | 919 | 915 | 910 | 909 | 909 | 913 | 915 | 919 | 920 | 919 | 916 | 935 | 922 | 920 | 916 | 930 | 927 | 919 | |
| 28 | | 923 | 918 | 919 | 921 | 920 | 920 | 917 | 911 | 906 | 906 | 905 | 901 | 906 | 920 | 891 | 906 | 909 | 914 | 915 | 915 | 918 | 929 | 952 | 959 | 917 | |
| 29 | | 959 | 937 | 932 | 927 | 925 | 924 | 921 | 917 | 916 | 911 | 913 | 913 | 913 | 916 | 917 | 913 | 915 | 910 | 910 | 915 | 915 | 912 | 921 | 890 | 918 | |
| 30 | D | 929 | 938 | 929 | 922 | 918 | 921 | 919 | 916 | 918 | 916 | 912 | 908 | 905 | 912 | 920 | 913 | 915 | 920 | 921 | 938 | 941 | 916 | 931 | 947 | 922 | |
| MEANS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALL | | 927 | 924 | 924 | 923 | 921 | 918 | 917 | 916 | 915 | 913 | 909 | 908 | 907 | 909 | 910 | 913 | 920 | 926 | 928 | 928 | 933 | 937 | 935 | 927 | 920 | |
| QUIET | | 922 | 921 | 921 | 922 | 921 | 922 | 922 | 920 | 916 | 914 | 911 | 910 | 911 | 914 | 916 | 917 | 917 | 918 | 923 | 920 | 923 | 924 | 926 | 919 | 919 | |
| DIST. | | 934 | 937 | 933 | 925 | 923 | 911 | 915 | 915 | 915 | 917 | 908 | 907 | 905 | 906 | 905 | 910 | 926 | 946 | 948 | 933 | 942 | 939 | 929 | 932 | 923 | |

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

EAST COMPONENT Y IN NT

DECEMBER 2005

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 | 976 | 925 | 930 | 929 | 926 | 921 | 920 | 916 | 911 | 905 | 902 | 911 | 908 | 916 | 915 | 919 | 928 | 942 | 927 | 948 | 946 | 930 | 970 | 927 | | |
| 2 | | 950 | 934 | 924 | 919 | 919 | 916 | 918 | 907 | 913 | 913 | 913 | 912 | 917 | 914 | 910 | 921 | 911 | 910 | 950 | 954 | 929 | 899 | 900 | 944 | 921 | |
| 3 | | 926 | 922 | 910 | 933 | 922 | 920 | 923 | 921 | 919 | 915 | 911 | 913 | 909 | 917 | 919 | 946 | 942 | 919 | 924 | 934 | 928 | 922 | 943 | 939 | 924 | |
| 4 | | 919 | 919 | 926 | 930 | 926 | 923 | 924 | 917 | 914 | 912 | 912 | 911 | 911 | 921 | 916 | 912 | 926 | 924 | 933 | 932 | 946 | 922 | 925 | 925 | 922 | |
| 5 | | 913 | 925 | 928 | 925 | 924 | 923 | 923 | 922 | 917 | 914 | 913 | 916 | 917 | 919 | 921 | 922 | 922 | 926 | 923 | 924 | 922 | 921 | 923 | 921 | 921 | |
| 6 | Q | 923 | 922 | 922 | 921 | 921 | 921 | 920 | 918 | 917 | 910 | 911 | 909 | 904 | 913 | 918 | 919 | 919 | 919 | 924 | 920 | 923 | 926 | 929 | 922 | 919 | |
| 7 | Q | 919 | 921 | 923 | 923 | 922 | 921 | 919 | 917 | 915 | 912 | 910 | 910 | 916 | 918 | 919 | 920 | 920 | 920 | 921 | 922 | 923 | 928 | 922 | 920 | 919 | |
| 8 | Q | 921 | 921 | 921 | 922 | 922 | 921 | 921 | 919 | 916 | 913 | 913 | 913 | 915 | 917 | 918 | 917 | 917 | 929 | 924 | 919 | 937 | 934 | 924 | 921 | 921 | |
| 9 | | 923 | 918 | 922 | 922 | 921 | 922 | 920 | 921 | 917 | 913 | 911 | 910 | 906 | 908 | 911 | 914 | 918 | 918 | 918 | 917 | 920 | 987 | 1004 | 940 | 924 | |
| 10 | | 924 | 927 | 916 | 936 | 913 | 910 | 907 | 907 | 917 | 917 | 914 | 911 | 908 | 915 | 915 | 917 | 924 | 921 | 947 | 993 | 961 | 929 | 971 | 928 | 926 | |
| 11 | D | 944 | 934 | 931 | 932 | 934 | 915 | 910 | 911 | 926 | 930 | 918 | 914 | 920 | 922 | 921 | 937 | 947 | 890 | 906 | 905 | 935 | 998 | 986 | 932 | 929 | |
| 12 | | 914 | 921 | 927 | 914 | 915 | 915 | 918 | 922 | 923 | 921 | 915 | 920 | 921 | 922 | 930 | 941 | 932 | 925 | 948 | 939 | 926 | 939 | 928 | 927 | 925 | |
| 13 | | 927 | 929 | 923 | 921 | 922 | 923 | 924 | 924 | 920 | 916 | 916 | 914 | 916 | 927 | 914 | 923 | 923 | 923 | 923 | 921 | 927 | 941 | 936 | 929 | 928 | 924 |
| 14 | | 925 | 926 | 923 | 922 | 921 | 920 | 917 | 919 | 914 | 921 | 919 | 917 | 921 | 923 | 922 | 920 | 921 | 922 | 924 | 924 | 925 | 925 | 924 | 922 | 922 | |
| 15 | Q | 919 | 921 | 922 | 921 | 920 | 920 | 921 | 920 | 915 | 917 | 915 | 914 | 918 | 920 | 921 | 921 | 922 | 922 | 922 | 922 | 925 | 924 | 931 | 927 | 921 | |
| 16 | | 926 | 923 | 920 | 909 | 908 | 916 | 921 | 916 | 912 | 915 | 913 | 910 | 912 | 916 | 912 | 916 | 955 | 925 | 928 | 924 | 926 | 930 | 921 | 918 | 920 | |
| 17 | | 919 | 919 | 919 | 918 | 917 | 919 | 920 | 917 | 913 | 913 | 912 | 913 | 903 | 913 | 919 | 917 | 917 | 927 | 920 | 920 | 924 | 924 | 923 | 918 | 918 | |
| 18 | | 922 | 918 | 915 | 917 | 914 | 914 | 915 | 919 | 918 | 912 | 915 | 914 | 914 | 913 | 913 | 910 | 913 | 915 | 919 | 923 | 919 | 920 | 918 | 916 | 916 | |
| 19 | | 918 | 916 | 916 | 915 | 915 | 918 | 918 | 918 | 917 | 916 | 912 | 911 | 914 | 907 | 909 | 914 | 913 | 911 | 927 | 1041 | 943 | 921 | 923 | 933 | 923 | |
| 20 | D | 930 | 946 | 939 | 951 | 921 | 913 | 913 | 915 | 914 | 916 | 917 | 915 | 910 | 913 | 918 | 919 | | | | | | | | | | |

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

VERTICAL COMPONENT Z IN NT JANUARY 2005 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 | 189 | 206 | 216 | 219 | 220 | 214 | 206 | 206 | 220 | 224 | 229 | 233 | 240 | 249 | 236 | 238 | 237 | 188 | 114 | 128 | 212 | 201 | 226 | 245 | 212 | |
| 2 | D 252 | 106 | 20 | 43 | 89 | 192 | 200 | 245 | 284 | 282 | 245 | 240 | 231 | 234 | 271 | 145 | 98 | 99 | 184 | 190 | 223 | -12 | 130 | 217 | 175 | |
| 3 | 130 | 153 | 187 | 177 | 145 | 169 | 214 | 222 | 235 | 259 | 260 | 277 | 307 | 308 | 318 | 254 | 232 | 247 | 255 | 209 | 103 | 171 | 206 | 208 | 219 | |
| 4 | 140 | 73 | 111 | 111 | 183 | 228 | 220 | 229 | 233 | 239 | 247 | 245 | 285 | 256 | 265 | 240 | 263 | 233 | 57 | 181 | 168 | 166 | 110 | 103 | 191 | |
| 5 | -47 | 101 | 141 | 205 | 193 | 207 | 223 | 232 | 247 | 264 | 258 | 268 | 257 | 272 | 243 | 268 | 228 | 209 | 239 | 222 | 186 | 187 | 121 | 94 | 201 | |
| 6 | Q 153 | 203 | 218 | 222 | 224 | 225 | 225 | 225 | 225 | 226 | 227 | 227 | 226 | 225 | 226 | 227 | 229 | 240 | 189 | 196 | 219 | 224 | 223 | 219 | | |
| 7 | 225 | 225 | 224 | 224 | 224 | 223 | 223 | 223 | 222 | 221 | 224 | 225 | 224 | 248 | 84 | 84 | 186 | 139 | 76 | 150 | 249 | 23 | -248 | 172 | | |
| 8 | 1 | 51 | 153 | 143 | 123 | 189 | 206 | 224 | 231 | 237 | 242 | 246 | 241 | 233 | 231 | 232 | 231 | 239 | 244 | 231 | 228 | 193 | 206 | 233 | 199 | |
| 9 | Q 233 | 231 | 230 | 229 | 230 | 229 | 229 | 229 | 230 | 231 | 228 | 233 | 232 | 231 | 229 | 229 | 228 | 229 | 230 | 234 | 235 | 231 | 228 | 227 | 230 | |
| 10 | 227 | 227 | 227 | 226 | 225 | 225 | 224 | 225 | 227 | 226 | 225 | 226 | 229 | 229 | 234 | 251 | 257 | 280 | 278 | 272 | 261 | 230 | 224 | 213 | 236 | |
| 11 | 193 | 204 | 220 | 221 | 191 | 188 | 197 | 221 | 234 | 238 | 238 | 231 | 228 | 236 | 241 | 279 | 274 | 227 | 226 | 227 | 237 | 159 | 213 | 122 | 219 | |
| 12 | 115 | 199 | 166 | 89 | 126 | 209 | 206 | 215 | 237 | 233 | 255 | 265 | 242 | 290 | 248 | 253 | 242 | 250 | 201 | 204 | 174 | 111 | 113 | 103 | 198 | |
| 13 | 140 | 195 | 223 | 231 | 228 | 239 | 222 | 231 | 235 | 231 | 233 | 236 | 234 | 234 | 252 | 261 | 239 | 134 | 235 | 191 | 100 | 205 | 127 | 142 | 208 | |
| 14 | 157 | 181 | 218 | 229 | 230 | 219 | 207 | 224 | 234 | 231 | 230 | 230 | 232 | 231 | 231 | 233 | 235 | 232 | 229 | 237 | 115 | -64 | 151 | 153 | 200 | |
| 15 | 117 | 111 | 147 | 136 | 194 | 216 | 239 | 230 | 251 | 257 | 271 | 253 | 249 | 252 | 258 | 255 | 205 | 228 | 241 | 192 | 227 | 230 | 226 | 218 | | |
| 16 | 187 | 188 | 146 | 176 | 206 | 220 | 218 | 233 | 234 | 235 | 242 | 245 | 239 | 240 | 250 | 266 | 265 | 284 | 270 | 249 | 183 | 226 | 171 | 192 | 223 | |
| 17 | D 40 | 149 | -13 | -39 | 98 | 191 | 225 | 243 | 254 | 275 | 320 | 358 | 376 | 345 | 265 | 158 | -76 | -202 | 105 | 175 | 199 | 271 | 296 | 303 | 180 | |
| 18 | D 413 | 409 | -54 | 64 | 201 | 219 | 285 | 290 | 110 | 263 | 254 | 240 | 293 | 247 | 46 | 78 | 239 | 228 | 196 | 149 | 200 | 299 | 95 | 269 | 210 | |
| 19 | D 302 | 499 | -132 | 219 | 188 | 217 | 252 | 253 | 292 | 323 | 254 | 203 | 147 | 211 | 208 | 272 | 245 | 226 | 243 | 236 | 194 | 67 | -51 | 102 | 207 | |
| 20 | 193 | 227 | 226 | 237 | 236 | 237 | 238 | 242 | 242 | 241 | 237 | 239 | 240 | 241 | 264 | 283 | 247 | 259 | 184 | 122 | 185 | 165 | 46 | 102 | 214 | |
| 21 | D 163 | 145 | 184 | 224 | 232 | 228 | 220 | 231 | 236 | 244 | 249 | 257 | 259 | 256 | 275 | 303 | 291 | 179 | -18 | 193 | 275 | 330 | 599 | 484 | 252 | |
| 22 | 327 | 373 | 305 | 242 | 213 | 177 | 220 | 234 | 234 | 253 | 252 | 249 | 278 | 298 | 251 | 266 | 289 | 225 | 176 | 160 | 155 | 100 | 243 | 212 | | |
| 23 | 185 | 228 | 238 | 200 | 208 | 228 | 225 | 238 | 243 | 251 | 254 | 254 | 266 | 253 | 275 | 260 | 215 | 166 | 218 | 229 | 191 | 106 | 63 | 96 | 212 | |
| 24 | 181 | 211 | 211 | 224 | 239 | 234 | 235 | 229 | 231 | 234 | 238 | 243 | 245 | 255 | 241 | 263 | 250 | 208 | 225 | 258 | 251 | 223 | 190 | 185 | 229 | |
| 25 | Q 217 | 228 | 233 | 237 | 235 | 234 | 232 | 230 | 230 | 232 | 234 | 235 | 237 | 241 | 247 | 261 | 260 | 264 | 262 | 220 | 223 | 224 | 224 | 219 | 236 | |
| 26 | Q 225 | 229 | 238 | 240 | 237 | 231 | 231 | 231 | 230 | 232 | 233 | 232 | 233 | 234 | 232 | 233 | 233 | 236 | 242 | 229 | 224 | 215 | 222 | 226 | 231 | |
| 27 | Q 227 | 227 | 229 | 228 | 229 | 228 | 228 | 226 | 227 | 229 | 229 | 228 | 228 | 228 | 228 | 229 | 228 | 231 | 241 | 243 | 242 | 237 | 219 | 221 | 230 | |
| 28 | 224 | 199 | 200 | 212 | 220 | 218 | 221 | 221 | 222 | 223 | 222 | 223 | 225 | 227 | 228 | 226 | 228 | 236 | 239 | 237 | 169 | 205 | 211 | 171 | 217 | |
| 29 | 59 | 182 | 216 | 223 | 225 | 216 | 223 | 227 | 226 | 228 | 235 | 241 | 233 | 232 | 261 | 305 | 257 | 243 | 198 | 123 | 195 | 209 | 224 | -6 | 207 | |
| 30 | 84 | 178 | 194 | 190 | 160 | 200 | 233 | 236 | 239 | 242 | 255 | 259 | 250 | 280 | 250 | 248 | 263 | 259 | 244 | 243 | 234 | 208 | 187 | 200 | 222 | |
| 31 | 210 | 188 | 152 | 170 | 195 | 210 | 217 | 222 | 225 | 230 | 232 | 243 | 303 | 318 | 283 | 301 | 276 | 254 | 246 | 177 | 162 | 212 | 216 | 202 | 227 | |
| MEANS | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALL | 176 | 204 | 170 | 186 | 198 | 215 | 224 | 231 | 233 | 243 | 244 | 245 | 248 | 251 | 245 | 240 | 226 | 210 | 209 | 205 | 196 | 188 | 181 | 172 | 214 | |
| QUIET | 211 | 224 | 230 | 231 | 231 | 229 | 229 | 228 | 228 | 230 | 230 | 231 | 232 | 232 | 233 | 236 | 235 | 238 | 243 | 223 | 224 | 225 | 223 | 223 | 229 | |
| DIST. | 234 | 262 | 1 | 102 | 162 | 209 | 236 | 253 | 235 | 277 | 265 | 260 | 261 | 259 | 213 | 191 | 159 | 106 | 142 | 189 | 218 | 191 | 214 | 275 | 205 | |

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

VERTICAL COMPONENT Z IN NT FEBRUARY 2005 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 | 110 | 152 | 204 | 219 | 226 | 228 | 230 | 230 | 231 | 234 | 238 | 238 | 238 | 237 | 250 | 242 | 241 | 236 | 229 | 222 | 221 | 222 | 214 | 222 | 226 |
| 2 | 217 | 219 | 225 | 225 | 225 | 222 | 221 | 224 | 228 | 233 | 238 | 233 | 234 | 232 | 239 | 246 | 263 | 251 | 235 | 207 | 166 | 214 | 216 | 214 | 226 |
| 3 | 213 | 197 | 195 | 174 | 165 | 169 | 202 | 212 | 223 | 235 | 231 | 233 | 232 | 233 | 233 | 232 | 233 | 250 | 242 | 234 | 227 | 223 | 211 | 216 | 217 |
| 4 | Q 222 | 225 | 225 | 225 | 226 | 226 | 227 | 227 | 227 | 227 | 228 | 230 | 230 | 231 | 233 | 236 | 238 | 243 | 240 | 238 | 227 | 211 | 205 | 213 | 227 |
| 5 | Q 222 | 223 | 223 | 222 | 221 | 221 | 223 | 224 | 224 | 226 | 227 | 228 | 229 | 230 | 228 | 227 | 226 | 226 | 230 | 223 | 209 | 213 | 218 | 220 | 223 |
| 6 | 220 | 215 | 200 | 191 | 193 | 192 | 210 | 227 | 228 | 229 | 225 | 227 | 227 | 230 | 230 | 231 | 247 | 275 | 275 | 156 | 192 | 219 | 162 | 100 | 212 |
| 7 | D 159 | 185 | 179 | 157 | 131 | 187 | 203 | 214 | 216 | 216 | 217 | 225 | 230 | 250 | 309 | 292 | 303 | 270 | 230 | 198 | 238 | 291 | 479 | 264 | 235 |
| 8 | D 210 | 199 | 153 | 173 | 203 | 203 | 194 | 214 | 216 | 231 | 244 | 241 | 255 | 295 | 286 | 258 | 155 | 104 | 216 | 200 | 138 | 197 | 175 | 211 | |
| 9 | D 172 | 128 | 177 | 193 | 221 | 189 | 204 | 233 | 253 | 244 | 267 | 271 | 259 | 282 | 257 | 274 | 254 | 237 | 182 | 228 | 227 | 68 | 133 | 194 | 214 |
| 10 | D 185 | 195 | 127 | 134 | 160 | 202 | 233 | 245 | 259 | 259 | 263 | 268 | 266 | 271 | 265 | 239 | 251 | 210 | 221 | 115 | 179 | 214 | 174 | 204 | 214 |
| 11 | 224 | 220 | 218 | 173 | 208 | 216 | 224 | 237 | 236 | 237 | 248 | 274 | 252 | 250 | 243 | 240 | 239 | 248 | 267 | 230 | 218 | 268 | 209 | 201 | 233 |
| 12 | 179 | 204 | 208 | 218 | 226 | 234 | 238 | 235 | 236 | 235 | 237 | 236 | 235 | 236 | 235 | 234 | 239 | 241 | 245 | 235 | 232 | 227 | 225 | 225 | 229 |
| 13 | Q 222 | 199 | 198 | 211 | 218 | 224 | 227 | 226 | 226 | 227 | 229 | 231 | 232 | 232 | 231 | 234 | 232 | 232 | 258 | 200 | 227 | 226 | 223 | 218 | 224 |
| 14 | 209 | 220 | 219 | 222 | 211 | 212 | 220 | 222 | 224 | 225 | 224 | 227 | 232 | 235 | 234 | 232 | 234 | 239 | 271 | 255 | 226 | 194 | 164 | 148 | 221 |
| 15 | Q 200 | 212 | 219 | 221 | 221 | 225 | 225 | 226 | 225 | 222 | 223 | 224 | 225 | 226 | 226 | 227 | 226 | 227 | 228 | 228 | 198 | 166 | 210 | 216 | 219 |
| 16 | 212 | 202 | 202 | 213 | 222 | 216 | 220 | 223 | 223 | 224 | 227 | 239 | 239 | 288 | 304 | 311 | 189 | 160 | 268 | 254 | 239 | 147 | 71 | 175 | 220 |
| 17 | 220 | 230 | 223 | 219 | 227 | 228 | 231 | 230 | 229 | 229 | 229 | 233 | 231 | 232 | 232 | 229 | 240 | 247 | 238 | 233 | 242 | 224 | 216 | 230 | 230 |
| 18 | D 336 | -152 | 101 | 253 | 168 | 200 | 216 | 205 | 220 | 232 | 233 | 239 | 252 | 248 | 278 | 145 | 256 | 250 | 243 | 222 | 212 | 226 | 224 | 217 | 209 |
| 19 | 218 | 228 | 231 | 231 | 233 | 230 | 219 | 226 | 248 | 245 | 231 | 248 | 281 | 267 | 281 | 283 | 247 | 252 | 189 | 216 | 230 | 255 | 211 | 186 | 237 |
| 20 | 30 | 157 | 225 | 227 | 225 | 217 | 202 | 220 | 225 | 225 | 229 | 230 | 236 | 246 | 256 | 282 | 275 | 316 | 275 | 202 | 152 | 225 | 190 | 212 | 220 |
| 21 | 168 | 189 | 149 | 158 | 200 | 207 | 212 | 220 | | | | | | | | | | | | | | | | | |

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

VERTICAL COMPONENT Z IN NT MARCH 2005 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 | 193 | 211 | 210 | 207 | 215 | 216 | 211 | 217 | 223 | 237 | 266 | 248 | 231 | 225 | 226 | 235 | 233 | 231 | 233 | 238 | 226 | 178 | 25 | 54 | 208 | |
| 2 | 136 | 193 | 194 | 188 | 208 | 222 | 223 | 230 | 240 | 246 | 242 | 260 | 253 | 245 | 255 | 266 | 280 | 241 | 235 | 230 | 228 | 222 | 220 | 195 | 227 | |
| 3 | 210 | 216 | 220 | 221 | 222 | 225 | 225 | 224 | 224 | 220 | 220 | 223 | 227 | 233 | 232 | 237 | 232 | 229 | 240 | 209 | 203 | 212 | 214 | 213 | 222 | |
| 4 | Q | 210 | 214 | 220 | 223 | 223 | 224 | 226 | 226 | 227 | 225 | 223 | 223 | 225 | 227 | 226 | 225 | 224 | 223 | 223 | 225 | 225 | 221 | 221 | 220 | |
| 5 | | 214 | 209 | 210 | 205 | 204 | 204 | 207 | 216 | 219 | 222 | 224 | 226 | 231 | 240 | 257 | 280 | 257 | 305 | 282 | 180 | 324 | 299 | 263 | 276 | |
| 6 | D | 301 | 55 | 61 | 148 | 209 | 226 | 210 | 223 | 230 | 242 | 253 | 256 | 238 | 231 | 270 | 88 | 38 | 158 | 163 | 70 | 114 | 293 | 78 | 282 | |
| 7 | D | 371 | 380 | 151 | 129 | 128 | 142 | 193 | 202 | 221 | 227 | 237 | 271 | 287 | 289 | 306 | 290 | 242 | 131 | -51 | 95 | 225 | 148 | 110 | 66 | |
| 8 | D | 32 | 43 | 47 | 117 | 122 | 147 | 198 | 230 | 258 | 253 | 256 | 260 | 254 | 268 | 251 | 255 | 265 | 204 | 201 | 212 | 206 | 223 | 304 | 224 | |
| 9 | D | 219 | 147 | 181 | 117 | 121 | 133 | 173 | 209 | 226 | 234 | 235 | 243 | 274 | 256 | 266 | 294 | 233 | 271 | 257 | -15 | 26 | 154 | 163 | 50 | |
| 10 | | -59 | -22 | -8 | 139 | 203 | 206 | 196 | 213 | 227 | 246 | 244 | 243 | 252 | 282 | 274 | 311 | 268 | 251 | 203 | 235 | 194 | 172 | 176 | 214 | |
| 11 | | 214 | 199 | 192 | 226 | 228 | 230 | 232 | 235 | 237 | 237 | 236 | 239 | 243 | 242 | 235 | 233 | 231 | 231 | 229 | 228 | 226 | 224 | 191 | 208 | |
| 12 | Q | 218 | 223 | 218 | 217 | 223 | 224 | 226 | 227 | 228 | 230 | 231 | 231 | 234 | 238 | 235 | 234 | 231 | 230 | 229 | 229 | 219 | 218 | 190 | 226 | |
| 13 | | 180 | 213 | 220 | 221 | 223 | 223 | 222 | 223 | 221 | 219 | 219 | 224 | 228 | 232 | 234 | 234 | 232 | 242 | 263 | 256 | 250 | 208 | 88 | 34 | |
| 14 | | 94 | 193 | 214 | 109 | 119 | 146 | 199 | 207 | 217 | 231 | 258 | 273 | 280 | 298 | 302 | 277 | 251 | 260 | 231 | 237 | 241 | 233 | 208 | 125 | |
| 15 | | 151 | 207 | 217 | 225 | 227 | 227 | 228 | 231 | 232 | 230 | 230 | 233 | 239 | 241 | 235 | 230 | 230 | 229 | 228 | 227 | 219 | 174 | 158 | 220 | |
| 16 | | 211 | 227 | 226 | 226 | 226 | 225 | 224 | 221 | 221 | 221 | 223 | 223 | 227 | 226 | 250 | 264 | 241 | 237 | 265 | 267 | 260 | 242 | 233 | 138 | |
| 17 | | 96 | 130 | 125 | 170 | 122 | 174 | 185 | 195 | 215 | 228 | 252 | 240 | 233 | 226 | 227 | 233 | 255 | 187 | 232 | 229 | 223 | 221 | 195 | 222 | |
| 18 | | 221 | 235 | 232 | 230 | 229 | 228 | 229 | 227 | 225 | 224 | 225 | 228 | 227 | 224 | 223 | 227 | 246 | 175 | 162 | 129 | 253 | 204 | 232 | 175 | |
| 19 | | 1 | 97 | 204 | 202 | 212 | 205 | 213 | 221 | 233 | 231 | 234 | 240 | 247 | 238 | 236 | 233 | 230 | 229 | 229 | 229 | 230 | 216 | 196 | 212 | |
| 20 | Q | 223 | 226 | 227 | 227 | 227 | 228 | 226 | 224 | 226 | 228 | 236 | 242 | 248 | 248 | 240 | 239 | 242 | 261 | 245 | 236 | 222 | 210 | 206 | 232 | |
| 21 | | 205 | 215 | 217 | 224 | 227 | 227 | 227 | 228 | 231 | 230 | 232 | 249 | 280 | 246 | 227 | 234 | 251 | 252 | 242 | 238 | 230 | 237 | 196 | 223 | |
| 22 | Q | 228 | 228 | 228 | 227 | 226 | 225 | 223 | 224 | 226 | 224 | 225 | 226 | 226 | 226 | 226 | 226 | 226 | 228 | 228 | 228 | 221 | 209 | 220 | 225 | |
| 23 | Q | 226 | 226 | 225 | 225 | 223 | 223 | 223 | 225 | 223 | 222 | 223 | 221 | 221 | 225 | 228 | 232 | 244 | 266 | 247 | 206 | 181 | 153 | 176 | 216 | |
| 24 | | 223 | 228 | 228 | 227 | 226 | 222 | 217 | 215 | 216 | 217 | 221 | 220 | 221 | 231 | 248 | 238 | 231 | 225 | 228 | 230 | 204 | 202 | 221 | 225 | |
| 25 | D | 224 | 227 | 224 | 222 | 216 | 205 | 213 | 227 | 235 | 229 | 225 | 229 | 228 | 252 | 277 | 267 | 269 | 249 | 206 | 185 | 156 | 228 | -6 | 115 | |
| 26 | | 196 | 228 | 230 | 221 | 220 | 216 | 235 | 242 | 243 | 274 | 272 | 279 | 280 | 269 | 300 | 261 | 259 | 225 | 203 | 182 | 133 | 167 | 203 | 207 | |
| 27 | | 210 | 203 | 224 | 228 | 234 | 225 | 227 | 234 | 242 | 243 | 241 | 238 | 234 | 267 | 252 | 237 | 276 | 230 | 236 | 191 | 68 | 124 | 140 | 161 | |
| 28 | | 211 | 225 | 221 | 226 | 228 | 230 | 230 | 228 | 224 | 223 | 223 | 224 | 227 | 230 | 229 | 233 | 234 | 233 | 229 | 228 | 218 | 174 | 184 | 213 | |
| 29 | | 222 | 223 | 226 | 225 | 225 | 228 | 230 | 228 | 226 | 223 | 220 | 221 | 223 | 224 | 227 | 230 | 231 | 229 | 225 | 224 | 224 | 200 | 122 | 41 | |
| 30 | | 113 | 162 | 180 | 210 | 214 | 215 | 221 | 234 | 235 | 237 | 236 | 237 | 241 | 240 | 242 | 246 | 263 | 279 | 250 | 237 | 224 | 215 | 210 | 220 | |
| 31 | | 222 | 222 | 219 | 223 | 227 | 232 | 228 | 226 | 229 | 226 | 223 | 222 | 221 | 226 | 228 | 239 | 247 | 245 | 186 | 197 | 209 | 100 | 133 | 207 | |
| MEANS | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALL | 184 | 193 | 193 | 200 | 205 | 210 | 217 | 223 | 228 | 232 | 235 | 238 | 241 | 243 | 248 | 243 | 238 | 233 | 220 | 204 | 207 | 204 | 178 | 178 | 216 | |
| QUIET | 221 | 223 | 224 | 224 | 224 | 225 | 225 | 226 | 226 | 225 | 226 | 227 | 230 | 233 | 233 | 231 | 233 | 238 | 238 | 227 | 218 | 205 | 209 | 211 | 225 | |
| DIST. | 229 | 171 | 133 | 147 | 159 | 170 | 197 | 218 | 234 | 237 | 241 | 252 | 256 | 259 | 274 | 239 | 209 | 202 | 155 | 109 | 145 | 209 | 130 | 148 | 197 | |

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

VERTICAL COMPONENT Z IN NT APRIL 2005 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 | 222 | 223 | 225 | 224 | 225 | 226 | 226 | 231 | 233 | 229 | 226 | 222 | 223 | 225 | 225 | 227 | 226 | 224 | 227 | 236 | 202 | 219 | 219 | 220 | 224 |
| 2 | 222 | 216 | 221 | 225 | 224 | 223 | 222 | 223 | 224 | 227 | 224 | 224 | 226 | 231 | 236 | 242 | 228 | 225 | 226 | 226 | 228 | 217 | 218 | 228 | 225 |
| 3 | 218 | 192 | 204 | 211 | 213 | 216 | 220 | 223 | 221 | 221 | 225 | 228 | 232 | 231 | 243 | 241 | 235 | 240 | 241 | 229 | 218 | 212 | 191 | 222 | |
| 4 | D | 180 | 213 | 222 | 220 | 221 | 217 | 216 | 218 | 217 | 214 | 215 | 222 | 223 | 236 | 289 | 229 | 161 | 138 | 172 | 408 | 202 | 116 | 396 | 223 |
| 5 | D | 381 | 68 | 51 | 218 | 156 | 132 | 184 | 207 | 225 | 260 | 254 | 249 | 265 | 274 | 264 | 282 | 232 | 214 | 217 | 185 | 205 | 75 | 89 | 203 |
| 6 | | 77 | 131 | 124 | 191 | 213 | 227 | 225 | 226 | 230 | 237 | 262 | 265 | 263 | 267 | 279 | 240 | 250 | 250 | 236 | 187 | 159 | 108 | 103 | 207 |
| 7 | | 138 | 186 | 217 | 207 | 203 | 221 | 226 | 238 | 237 | 238 | 241 | 259 | 250 | 249 | 269 | 263 | 260 | 243 | 233 | 229 | 226 | 222 | 216 | 219 |
| 8 | | 198 | 186 | 191 | 210 | 220 | 227 | 226 | 225 | 229 | 231 | 233 | 235 | 235 | 239 | 239 | 239 | 231 | 189 | 205 | 211 | 216 | 222 | 221 | 221 |
| 9 | | 224 | 216 | 215 | 216 | 220 | 224 | 224 | 226 | 227 | 227 | 225 | 226 | 231 | 240 | 238 | 232 | 230 | 229 | 227 | 218 | 220 | 215 | 221 | 225 |
| 10 | Q | 226 | 227 | 227 | 227 | 229 | 228 | 229 | 231 | 230 | 227 | 225 | 228 | 230 | 234 | 236 | 238 | 233 | 228 | 225 | 223 | 223 | 221 | 222 | 223 |
| 11 | | 224 | 223 | 225 | 225 | 223 | 228 | 226 | 224 | 225 | 224 | 223 | 227 | 231 | 235 | 236 | 241 | 239 | 242 | 186 | 198 | 234 | 214 | 206 | 119 |
| 12 | D | 179 | 301 | 181 | 206 | 177 | 162 | 211 | 231 | 247 | 261 | 270 | 279 | 294 | 268 | 296 | 254 | 299 | 302 | 216 | 41 | 137 | 297 | 279 | 261 |
| 13 | D | 247 | 237 | 233 | 206 | 147 | 173 | 199 | 217 | 228 | 286 | 277 | 260 | 278 | 275 | 268 | 284 | 167 | 184 | 235 | 247 | 226 | 272 | 108 | 168 |
| 14 | | 151 | 208 | 200 | 251 | 206 | 229 | 228 | 235 | 249 | 285 | 287 | 289 | 284 | 276 | 262 | 256 | 270 | 243 | 238 | 227 | 179 | 130 | 153 | 121 |
| 15 | | 134 | 172 | 211 | 205 | 206 | 223 | 240 | 243 | 241 | 250 | 255 | 244 | 238 | 253 | 286 | 291 | 265 | 277 | 248 | 139 | 196 | 196 | 203 | 110 |
| 16 | | 113 | 154 | 142 | 173 | 199 | 220 | 224 | 228 | 234 | 234 | 231 | 234 | 240 | 245 | 251 | 248 | 237 | 245 | 263 | 232 | 205 | 161 | 198 | 216 |
| 17 | | 226 | 228 | 224 | 219 | 214 | 216 | 221 | 227 | 231 | 230 | 225 | 230 | 236 | 237 | 233 | 234 | 235 | 234 | 233 | 225 | 221 | 205 | 185 | 175 |
| 18 | | 190 | 202 | 212 | 219 | 216 | 219 | 228 | 236 | 232 | 230 | 231 | 233 | 255 | 256 | 238 | 246 | 268 | 251 | 241 | 234 | 226 | 132 | 45 | 97 |
| 19 | | 163 | 169 | 171 | 190 | 203 | 216 | 225 | 239 | 241 | 232 | 226 | 224 | 229 | 236 | 242 | 240 | 237 | 259 | 233 | 228 | 221 | 206 | 175 | 196 |
| 20 | | 214 | 228 | 228 | 224 | 193 | 145 | 170 | 215 | 237 | 240 | 237 | 284 | 299 | 294 | 306 | 268 | 251 | 250 | 242 | 222 | 195 | 185 | 203 | 185 |
| 21 | Q | 190 | 212 | 233 | 237 | 234 | 232 | 231 | 231 | 230 | 228 | 229 | 231 | 234 | 239 | 238 | 237 | 233 | 231 | 230 | 228 | 226 | 228 | 225 | 229 |
| 22 | | 194 | 136 | 155 | | | | | | | | | | | | | | | | | | | | | |

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

VERTICAL COMPONENT Z IN NT

MAY 2005

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 | 170 | 250 | 240 | 138 | 198 | 186 | 202 | 223 | 254 | 260 | 280 | 267 | 265 | 255 | 266 | 256 | 266 | 202 | 143 | 196 | 216 | 214 | 181 | 174 | 221 | |
| 2 | 188 | 224 | 248 | 223 | 233 | 235 | 238 | 238 | 233 | 234 | 229 | 234 | 243 | 259 | 272 | 238 | 241 | 240 | 229 | 193 | 206 | 175 | 129 | 146 | 222 | |
| 3 | 149 | 144 | 177 | 183 | 198 | 214 | 210 | 214 | 224 | 232 | 253 | 269 | 279 | 261 | 278 | 242 | 253 | 259 | 233 | 215 | 185 | 177 | 198 | 206 | 219 | |
| 4 | 198 | 179 | 195 | 206 | 207 | 221 | 219 | 222 | 223 | 221 | 220 | 224 | 233 | 241 | 239 | 247 | 245 | 243 | 240 | 235 | 200 | 199 | 215 | 219 | 220 | |
| 5 Q | 214 | 210 | 215 | 214 | 207 | 209 | 211 | 217 | 221 | 224 | 226 | 229 | 226 | 233 | 240 | 241 | 238 | 248 | 237 | 227 | 226 | 228 | 226 | 224 | 225 | |
| 6 | 225 | 230 | 231 | 229 | 226 | 224 | 220 | 219 | 216 | 212 | 212 | 216 | 221 | 221 | 223 | 223 | 228 | 231 | 231 | 228 | 219 | 199 | 203 | 183 | 220 | |
| 7 | 192 | 212 | 228 | 229 | 227 | 224 | 220 | 219 | 218 | 215 | 217 | 228 | 242 | 244 | 269 | 272 | 256 | 245 | 257 | 183 | 239 | 355 | 379 | 393 | 248 | |
| 8 D | 246 | 201 | 387 | 172 | 118 | 207 | 204 | 215 | 229 | 229 | 243 | 231 | -18 | -179 | -45 | -129 | 9 | 100 | 115 | 157 | 304 | 205 | 65 | 231 | 146 | |
| 9 | 247 | 231 | 226 | 237 | 237 | 242 | 237 | 235 | 237 | 238 | 240 | 237 | 238 | 242 | 248 | 252 | 263 | 269 | 239 | 238 | 126 | 97 | 126 | 228 | 225 | |
| 10 | 28 | 35 | 13 | 58 | 121 | 176 | 212 | 222 | 242 | 249 | 236 | 232 | 234 | 239 | 249 | 252 | 251 | 253 | 249 | 235 | 222 | 178 | 188 | 226 | 192 | |
| 11 | 240 | 242 | 240 | 239 | 238 | 237 | 234 | 237 | 236 | 250 | 257 | 242 | 245 | 263 | 259 | 278 | 289 | 272 | 201 | 178 | 222 | 158 | 164 | 226 | 235 | |
| 12 | 189 | 204 | 242 | 198 | 166 | 196 | 222 | 234 | 240 | 250 | 267 | 266 | 251 | 239 | 245 | 284 | 289 | 256 | 242 | 161 | 178 | 155 | 224 | 106 | 221 | |
| 13 | 230 | 84 | 131 | 206 | 199 | 231 | 237 | 246 | 265 | 275 | 262 | 237 | 237 | 241 | 261 | 282 | 288 | 259 | 247 | 227 | 207 | 217 | 211 | 229 | 230 | |
| 14 | 241 | 240 | 235 | 230 | 234 | 232 | 228 | 233 | 240 | 243 | 243 | 256 | 267 | 269 | 271 | 248 | 238 | 250 | 231 | 217 | 222 | 227 | 223 | 240 | 240 | |
| 15 D | 201 | 191 | 117 | -1 | 104 | 161 | 498 | 453 | 522 | 313 | 251 | 273 | 283 | 301 | 281 | 275 | 267 | 257 | 253 | 180 | 164 | 152 | 53 | 185 | 239 | |
| 16 D | 44 | 48 | 15 | 37 | 131 | 376 | 220 | 252 | 256 | 278 | 272 | 281 | 279 | 272 | 205 | 240 | 219 | 253 | 260 | 258 | 244 | 235 | 169 | 150 | 208 | |
| 17 | 111 | 163 | 139 | 129 | 142 | 205 | 244 | 242 | 257 | 265 | 254 | 285 | 299 | 305 | 301 | 296 | 247 | 231 | 254 | 207 | 187 | 162 | 216 | 88 | 218 | |
| 18 | 112 | 55 | 121 | 121 | 185 | 211 | 248 | 249 | 258 | 262 | 262 | 280 | 332 | 326 | 318 | 321 | 275 | 255 | 251 | 256 | 251 | 241 | 246 | 246 | 237 | |
| 19 | 246 | 243 | 251 | 248 | 243 | 236 | 242 | 251 | 242 | 249 | 260 | 261 | 277 | 267 | 253 | 256 | 265 | 264 | 262 | 249 | 239 | 234 | 235 | 233 | 250 | |
| 20 | 225 | 211 | 222 | 211 | 207 | 200 | 229 | 231 | 311 | 272 | 231 | 244 | 262 | 263 | 255 | 254 | 256 | 248 | 240 | 238 | 238 | 211 | 188 | 169 | 234 | |
| 21 | 168 | 193 | 175 | 121 | 118 | 131 | 171 | 199 | 229 | 249 | 267 | 279 | 265 | 294 | 283 | 297 | 282 | 280 | 236 | 301 | 54 | 215 | 217 | 236 | 219 | |
| 22 | 261 | 274 | 219 | 190 | 200 | 209 | 217 | 233 | 242 | 261 | 265 | 271 | 304 | 284 | 270 | 263 | 251 | 246 | 242 | 240 | 216 | 222 | 212 | 244 | 244 | |
| 23 | 198 | 208 | 234 | 239 | 241 | 240 | 243 | 242 | 240 | 239 | 238 | 237 | 249 | 273 | 327 | 307 | 290 | 266 | 259 | 256 | 249 | 237 | 229 | 227 | 249 | |
| 24 Q | 234 | 247 | 249 | 245 | 240 | 236 | 234 | 234 | 237 | 240 | 240 | 240 | 240 | 242 | 249 | 248 | 248 | 246 | 239 | 237 | 237 | 233 | 201 | 149 | 235 | |
| 25 Q | 192 | 228 | 231 | 236 | 234 | 232 | 238 | 230 | 233 | 233 | 231 | 234 | 239 | 246 | 248 | 245 | 245 | 248 | 241 | 237 | 234 | 235 | 237 | 237 | 235 | |
| 26 Q | 237 | 237 | 237 | 235 | 233 | 230 | 227 | 226 | 226 | 231 | 232 | 234 | 235 | 237 | 238 | 234 | 233 | 234 | 237 | 236 | 235 | 234 | 236 | 237 | 234 | |
| 27 Q | 238 | 237 | 235 | 236 | 235 | 234 | 232 | 235 | 232 | 228 | 228 | 230 | 232 | 243 | 248 | 245 | 239 | 233 | 232 | 232 | 232 | 233 | 233 | 235 | 235 | |
| 28 | 235 | 236 | 234 | 234 | 235 | 230 | 224 | 217 | 216 | 221 | 220 | 215 | 216 | 221 | 233 | 240 | 269 | 221 | 161 | 172 | 231 | 283 | 265 | 242 | 228 | |
| 29 | 176 | 115 | 163 | 196 | 181 | 193 | 220 | 251 | 241 | 241 | 232 | 233 | 234 | 234 | 235 | 241 | 240 | 246 | 224 | 205 | 193 | 169 | 214 | 299 | 216 | |
| 30 D | 227 | 171 | 104 | 220 | 232 | 252 | 249 | 249 | 247 | 206 | 164 | -46 | -206 | -249 | -169 | -102 | 178 | 128 | 200 | 351 | 403 | 482 | 276 | 212 | 158 | |
| 31 | 254 | 176 | 72 | 19 | 118 | 221 | 238 | 251 | 253 | 255 | 253 | 253 | 266 | 302 | 300 | 275 | 266 | 262 | 259 | 250 | 242 | 224 | 218 | 116 | 223 | |
| MEANS | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALL | 197 | 191 | 194 | 183 | 196 | 220 | 234 | 239 | 249 | 244 | 242 | 237 | 231 | 229 | 237 | 237 | 247 | 240 | 231 | 226 | 221 | 219 | 206 | 209 | 223 | |
| QUIET | 223 | 232 | 233 | 233 | 230 | 228 | 227 | 228 | 230 | 231 | 232 | 233 | 234 | 240 | 244 | 243 | 241 | 242 | 237 | 234 | 233 | 233 | 227 | 216 | 233 | |
| DIST. | 178 | 172 | 173 | 113 | 156 | 236 | 275 | 278 | 301 | 257 | 242 | 201 | 120 | 80 | 108 | 108 | 188 | 188 | 194 | 229 | 266 | 258 | 149 | 191 | 194 | |

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

VERTICAL COMPONENT Z IN NT

JUNE 2005

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 | 76 | 83 | 150 | 209 | 235 | 242 | 246 | 248 | 249 | 247 | 243 | 244 | 248 | 249 | 258 | 263 | 271 | 269 | 258 | 247 | 238 | 221 | 220 | 235 | 227 |
| 2 | 244 | 243 | 241 | 233 | 232 | 232 | 233 | 236 | 238 | 241 | 249 | 247 | 252 | 247 | 239 | 247 | 239 | 241 | 240 | 239 | 234 | 174 | 145 | 235 | 233 |
| 3 | 199 | 204 | 225 | 230 | 233 | 235 | 235 | 241 | 241 | 239 | 240 | 252 | 261 | 258 | 262 | 268 | 260 | 254 | 246 | 245 | 220 | 232 | 238 | 239 | 240 |
| 4 D | 233 | 229 | 216 | 219 | 227 | 226 | 227 | 230 | 234 | 239 | 238 | 238 | 230 | 241 | 260 | 290 | 292 | 224 | 225 | 127 | 165 | 209 | 237 | 141 | 225 |
| 5 | 109 | 181 | 143 | 200 | 231 | 235 | 244 | 250 | 266 | 277 | 259 | 247 | 244 | 244 | 248 | 250 | 273 | 254 | 193 | 203 | 202 | 123 | 156 | 75 | 213 |
| 6 | 182 | 207 | 205 | 188 | 204 | 221 | 232 | 245 | 244 | 244 | 239 | 237 | 241 | 249 | 252 | 246 | 238 | 240 | 236 | 228 | 205 | 210 | 211 | 134 | 222 |
| 7 | 128 | 160 | 165 | 128 | 182 | 197 | 226 | 235 | 240 | 247 | 249 | 259 | 280 | 273 | 262 | 265 | 254 | 246 | 235 | 242 | 227 | 196 | 194 | 186 | 220 |
| 8 | 174 | 199 | 210 | 216 | 234 | 240 | 243 | 244 | 244 | 237 | 238 | 245 | 242 | 237 | 239 | 238 | 240 | 240 | 242 | 236 | 231 | 230 | 229 | 222 | 231 |
| 9 | 211 | 222 | 229 | 234 | 234 | 233 | 230 | 229 | 229 | 229 | 235 | 237 | 244 | 243 | 258 | 271 | 253 | 242 | 234 | 232 | 232 | 217 | 205 | 207 | 233 |
| 10 Q | 221 | 225 | 232 | 231 | 230 | 235 | 234 | 235 | 237 | 231 | 227 | 231 | 237 | 242 | 246 | 244 | 243 | 242 | 239 | 230 | 216 | 219 | 226 | 226 | 233 |
| 11 | 219 | 216 | 217 | 227 | 237 | 237 | 236 | 234 | 234 | 234 | 234 | 236 | 233 | 233 | 239 | 247 | 255 | 257 | 246 | 238 | 230 | 208 | 223 | 214 | 233 |
| 12 D | 217 | 228 | 230 | 231 | 230 | 232 | 227 | 213 | 215 | 222 | 240 | 243 | 261 | 341 | 322 | 260 | 245 | 138 | 289 | 389 | 481 | 494 | 569 | 281 | 281 |
| 13 D | 363 | 557 | 69 | 171 | 367 | 236 | 212 | 223 | 253 | 281 | 293 | 306 | 315 | 312 | 293 | 272 | 286 | 281 | 226 | 203 | 217 | 223 | 229 | 234 | 268 |
| 14 | 231 | 228 | 244 | 237 | 243 | 242 | 237 | 241 | 244 | 245 | 245 | 250 | 246 | 242 | 245 | 249 | 246 | 245 | 240 | 247 | 302 | 323 | 240 | 209 | 247 |
| 15 | 191 | 188 | 226 | 192 | 176 | 179 | 203 | 226 | 271 | 273 | 272 | 292 | 321 | 368 | 319 | 290 | 258 | 246 | 237 | 238 | 239 | 234 | 234 | 240 | 246 |
| 16 D | 242 | 241 | 240 | 238 | 239 | 236 | 235 | 232 | 230 | 234 | 287 | 325 | 329 | 321 | 278 | 280 | 247 | 245 | 253 | 219 | 213 | 244 | 239 | 239 | 254 |
| 17 | 215 | 250 | 205 | 129 | 152 | 215 | 234 | 242 | 244 | 246 | 254 | 263 | 267 | 284 | 279 | 287 | 286 | 269 | 247 | 228 | 215 | 219 | 233 | 238 | 238 |
| 18 | 246 | 242 | 242 | 231 | 222 | 231 | 234 | 234 | 239 | 237 | 234 | 239 | 248 | 253 | 265 | 255 | 249 | 254 | 234 | 219 | 177 | 192 | 231 | 241 | 235 |
| 19 | 240 | 236 | 231 | 224 | 227 | 232 | 232 | 231 | 232 | 235 | 236 | 240 | 248 | 258 | 268 | 266 | 283 | 264 | 247 | 246 | 242 | 235 | 233 | 237 | 243 |
| 20 Q | 237 | 236 | 237 | 233 | 231 | 231 | 229 | 228 | 229 | 230 | 229 | 237 | 244 | 248 | 246 | 240 | 241 | 243 | 241 | 238 | 236</ | | | | |

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

VERTICAL COMPONENT Z IN NT JULY 2005 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 | 220 | 220 | 204 | 198 | 210 | 214 | 220 | 221 | 225 | 228 | 227 | 229 | 232 | 239 | 241 | 275 | 285 | 233 | 225 | 231 | 248 | 257 | 279 | 217 | 232 | | |
| 2 | 227 | 192 | 134 | 212 | 229 | 232 | 236 | 231 | 234 | 236 | 238 | 241 | 247 | 258 | 265 | 273 | 259 | 251 | 232 | 198 | 204 | 152 | 65 | 120 | 215 | | |
| 3 | 156 | 151 | 199 | 219 | 226 | 239 | 241 | 240 | 244 | 242 | 245 | 259 | 261 | 263 | 271 | 251 | 246 | 238 | 232 | 228 | 225 | 226 | 204 | 164 | 228 | | |
| 4 | 201 | 210 | 222 | 222 | 235 | 244 | 241 | 236 | 234 | 232 | 229 | 234 | 239 | 237 | 241 | 246 | 240 | 237 | 234 | 231 | 229 | 212 | 173 | 185 | 227 | | |
| 5 | Q | 218 | 231 | 234 | 236 | 238 | 235 | 231 | 227 | 227 | 230 | 231 | 235 | 238 | 239 | 238 | 237 | 236 | 234 | 233 | 230 | 231 | 224 | 213 | 232 | | |
| 6 | Q | 198 | 217 | 228 | 233 | 231 | 232 | 229 | 224 | 222 | 223 | 226 | 227 | 228 | 229 | 237 | 243 | 254 | 255 | 241 | 233 | 230 | 228 | 194 | 203 | 228 | |
| 7 | | 223 | 237 | 241 | 238 | 232 | 234 | 229 | 223 | 227 | 227 | 234 | 240 | 248 | 257 | 272 | 278 | 291 | 253 | 243 | 240 | 235 | 202 | 184 | 206 | 237 | |
| 8 | Q | 203 | 203 | 192 | 210 | 219 | 225 | 231 | 221 | 229 | 225 | 224 | 222 | 226 | 239 | 235 | 238 | 240 | 235 | 232 | 230 | 230 | 211 | 212 | 223 | 223 | |
| 9 | D | 213 | 225 | 229 | 226 | 222 | 214 | 215 | 214 | 214 | 233 | 267 | 292 | 317 | 319 | 150 | 201 | 244 | 260 | 258 | 217 | 317 | 333 | 185 | 209 | 241 | |
| 10 | D | 376 | 115 | 138 | 130 | 109 | 193 | 216 | 251 | 233 | 236 | 234 | 262 | 323 | 98 | -395 | -277 | -55 | 143 | 195 | 286 | 487 | 549 | 307 | 357 | 188 | |
| 11 | | 366 | 322 | 211 | 243 | 225 | 220 | 224 | 240 | 241 | 249 | 261 | 261 | 271 | 292 | 281 | 287 | 299 | 284 | 262 | 183 | 184 | 189 | 164 | 82 | 243 | |
| 12 | D | 116 | -44 | -173 | 219 | 390 | 131 | 158 | 217 | 256 | 264 | 298 | 368 | 357 | 262 | 57 | 246 | 290 | 278 | 271 | 248 | 230 | 237 | 242 | 243 | 215 | |
| 13 | D | 245 | 242 | 243 | 244 | 240 | 237 | 227 | 231 | 253 | 283 | 302 | 325 | 317 | 265 | 278 | 274 | 244 | 144 | 184 | 245 | 237 | 188 | 134 | 186 | 240 | |
| 14 | | 212 | 230 | 235 | 228 | 208 | 219 | 247 | 251 | 253 | 255 | 264 | 275 | 283 | 283 | 302 | 276 | 259 | 248 | 246 | 247 | 244 | 229 | 217 | 237 | 248 | |
| 15 | | 243 | 237 | 234 | 234 | 231 | 236 | 238 | 244 | 242 | 238 | 240 | 242 | 247 | 256 | 265 | 269 | 266 | 261 | 257 | 248 | 177 | 190 | 203 | 221 | 238 | |
| 16 | | 218 | 189 | 158 | 123 | 129 | 171 | 203 | 226 | 244 | 251 | 243 | 235 | 233 | 237 | 247 | 249 | 269 | 282 | 265 | 247 | 230 | 233 | 218 | 209 | 221 | |
| 17 | | 206 | 232 | 231 | 230 | 229 | 227 | 227 | 226 | 232 | 255 | 318 | 309 | 228 | 228 | 266 | 294 | 283 | 292 | 248 | 231 | 207 | 219 | 233 | 130 | 241 | |
| 18 | | 263 | 52 | -18 | 231 | 175 | 140 | 188 | 259 | 266 | 267 | 264 | 262 | 266 | 281 | 277 | 271 | 274 | 280 | 245 | 199 | 288 | 288 | 150 | 228 | 228 | |
| 19 | | 255 | 205 | 210 | 209 | 215 | 222 | 238 | 242 | 246 | 246 | 243 | 238 | 247 | 255 | 257 | 256 | 247 | 241 | 237 | 241 | 242 | 238 | 144 | 107 | 228 | |
| 20 | | 104 | 173 | 225 | 244 | 237 | 230 | 236 | 240 | 238 | 235 | 231 | 237 | 272 | 305 | 269 | 265 | 283 | 260 | 239 | 181 | 176 | 231 | 220 | 283 | 234 | |
| 21 | | 385 | 158 | 240 | 229 | 146 | 203 | 214 | 230 | 245 | 282 | 264 | 246 | 239 | 240 | 242 | 246 | 262 | 240 | 234 | 198 | 155 | 163 | 151 | 171 | 224 | |
| 22 | | 162 | 216 | 230 | 232 | 233 | 230 | 232 | 237 | 239 | 235 | 239 | 243 | 249 | 274 | 306 | 296 | 280 | 224 | 236 | 202 | 88 | 129 | 209 | 223 | 227 | |
| 23 | | 233 | 238 | 232 | 235 | 238 | 240 | 241 | 240 | 241 | 241 | 241 | 247 | 257 | 261 | 259 | 263 | 254 | 242 | 238 | 237 | 235 | 234 | 231 | 201 | 241 | |
| 24 | Q | 224 | 237 | 239 | 240 | 240 | 238 | 234 | 233 | 232 | 231 | 234 | 238 | 239 | 238 | 234 | 237 | 241 | 257 | 243 | 238 | 236 | 235 | 239 | 237 | 237 | |
| 25 | Q | 239 | 233 | 231 | 230 | 229 | 229 | 225 | 227 | 227 | 225 | 224 | 229 | 233 | 232 | 231 | 233 | 238 | 241 | 240 | 242 | 236 | 229 | 220 | 174 | 229 | |
| 26 | | 196 | 220 | 228 | 234 | 236 | 235 | 234 | 234 | 234 | 236 | 232 | 227 | 230 | 238 | 241 | 246 | 258 | 270 | 254 | 246 | 237 | 229 | 230 | 219 | 235 | |
| 27 | | 199 | 185 | 202 | 218 | 217 | 221 | 228 | 233 | 233 | 235 | 238 | 239 | 240 | 262 | 266 | 259 | 269 | 282 | 256 | 243 | 240 | 226 | 281 | 396 | 244 | |
| 28 | D | 327 | 248 | 177 | 138 | 190 | 135 | 201 | 230 | 237 | 246 | 254 | 252 | 282 | 287 | 280 | 280 | 275 | 279 | 226 | 221 | 242 | 223 | 139 | 152 | 230 | |
| 29 | | 168 | 154 | 200 | 227 | 226 | 224 | 230 | 235 | 238 | 241 | 249 | 306 | 282 | 250 | 259 | 277 | 282 | 132 | 247 | 253 | 224 | 179 | 123 | 119 | 222 | |
| 30 | | 165 | 145 | 163 | 181 | 212 | 236 | 252 | 253 | 253 | 253 | 247 | 245 | 246 | 243 | 253 | 258 | 255 | 247 | 246 | 256 | 249 | 246 | 238 | 201 | 231 | |
| 31 | | 183 | 192 | 217 | 230 | 229 | 222 | 223 | 220 | 218 | 229 | 226 | 224 | 225 | 247 | 274 | 264 | 248 | 239 | 236 | 234 | 236 | 230 | 179 | 128 | 223 | |
| MEANS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALL | 224 | 196 | 192 | 217 | 220 | 216 | 226 | 234 | 237 | 242 | 247 | 254 | 258 | 252 | 229 | 243 | 252 | 243 | 241 | 233 | 230 | 231 | 204 | 199 | 230 | 230 | |
| QUIET | 216 | 224 | 225 | 230 | 231 | 232 | 231 | 229 | 228 | 227 | 227 | 229 | 232 | 235 | 236 | 237 | 241 | 242 | 241 | 236 | 233 | 229 | 217 | 208 | 230 | 230 | |
| DIST. | 255 | 157 | 123 | 191 | 230 | 182 | 203 | 229 | 239 | 252 | 271 | 300 | 319 | 246 | 74 | 145 | 200 | 221 | 227 | 243 | 303 | 306 | 201 | 229 | 223 | 223 | |

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

VERTICAL COMPONENT Z IN NT AUGUST 2005 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 | 131 | 163 | 179 | 211 | 233 | 228 | 234 | 241 | 237 | 246 | 243 | 245 | 260 | 270 | 273 | 289 | 283 | 221 | 225 | 252 | 227 | 179 | 126 | 153 | 223 | |
| 2 | 211 | 234 | 214 | 202 | 197 | 194 | 209 | 221 | 230 | 227 | 237 | 249 | 240 | 244 | 235 | 237 | 237 | 232 | 235 | 236 | 234 | 237 | 236 | 229 | 227 | 227 |
| 3 | 197 | 216 | 224 | 217 | 212 | 213 | 214 | 229 | 226 | 222 | 225 | 236 | 239 | 245 | 263 | 260 | 259 | 274 | 215 | 217 | 208 | 163 | 115 | 77 | 215 | |
| 4 | 163 | 133 | 113 | 150 | 179 | 202 | 227 | 231 | 245 | 262 | 289 | 306 | 302 | 308 | 282 | 303 | 306 | 288 | 268 | 243 | 225 | 218 | 132 | 112 | 229 | |
| 5 | 205 | 239 | 243 | 241 | 239 | 239 | 235 | 233 | 235 | 232 | 222 | 224 | 246 | 261 | 269 | 270 | 262 | 269 | 224 | 201 | 232 | 226 | 166 | 137 | 231 | |
| 6 | D | -77 | -15 | 104 | 206 | 197 | 218 | 253 | 254 | 265 | 294 | 251 | 252 | 284 | 298 | 312 | 294 | 277 | 303 | 251 | 272 | 301 | 226 | 119 | 128 | 219 |
| 7 | | 86 | 42 | 112 | 155 | 218 | 220 | 235 | 225 | 247 | 252 | 276 | 257 | 258 | 255 | 267 | 267 | 252 | 248 | 252 | 221 | 219 | 197 | 202 | 210 | |
| 8 | | 213 | 188 | 187 | 222 | 231 | 234 | 240 | 240 | 242 | 251 | 252 | 252 | 262 | 285 | 304 | 282 | 250 | 242 | 242 | 240 | 236 | 208 | 128 | 194 | 234 |
| 9 | | 199 | 222 | 224 | 230 | 225 | 231 | 235 | 234 | 238 | 242 | 245 | 254 | 254 | 254 | 256 | 275 | 288 | 277 | 255 | 233 | 214 | 171 | 92 | 115 | 228 |
| 10 | | 187 | 212 | 216 | 227 | 227 | 232 | 231 | 231 | 263 | 291 | 323 | 317 | 343 | 313 | 295 | 306 | 276 | 265 | 255 | 243 | 235 | 232 | 217 | 227 | 257 |
| 11 | Q | 236 | 235 | 234 | 239 | 241 | 239 | 239 | 242 | 245 | 248 | 246 | 238 | 249 | 259 | 251 | 252 | 246 | 242 | 240 | 241 | 240 | 241 | 227 | 222 | 241 |
| 12 | Q | 226 | 228 | 232 | 236 | 234 | 233 | 232 | 233 | 236 | 240 | 242 | 248 | 252 | 253 | 249 | 238 | 238 | 242 | 246 | 247 | 248 | 227 | 167 | 53 | 228 |
| 13 | D | 173 | 195 | 187 | 131 | 170 | 220 | 229 | 235 | 235 | 233 | 233 | 230 | 244 | 246 | 242 | 246 | 264 | 245 | 239 | 223 | 147 | 167 | 231 | 87 | 211 |
| 14 | | 174 | 212 | 170 | 206 | 212 | 236 | 230 | 231 | 232 | 233 | 234 | 232 | 241 | 244 | 241 | 239 | 238 | 237 | 239 | 237 | 232 | 232 | 206 | 200 | 224 |
| 15 | | 224 | 237 | 240 | 239 | 234 | 234 | 236 | 238 | 237 | 233 | 233 | 228 | 223 | 230 | 242 | 238 | 236 | 233 | 241 | 246 | 247 | 239 | 212 | 164 | 216 |
| 16 | | 208 | 226 | 236 | 227 | 171 | 195 | 215 | 221 | 229 | 243 | 253 | 251 | 286 | 302 | 297 | 265 | 255 | 270 | 255 | 233 | 231 | 178 | 140 | 126 | 230 |
| 17 | | 154 | 201 | 199 | 227 | 228 | 247 | 263 | 247 | 246 | 245 | 243 | 242 | 255 | 268 | 261 | 277 | 311 | 263 | 256 | 241 | 134 | 78 | 89 | 141 | 222 |
| 18 | | 192 | 204 | 231 | 238 | 230 | 237 | 244 | 242 | 245 | 258 | 251 | 246 | 256 | 262 | 293 | 255 | 257 | 259 | 203 | 235 | 207 | 167 | 203 | 196 | 234 |
| 19 | | 213 | 212 | 235 | 242 | 242 | 239 | 237 | 234 | 230 | 236 | 243 | 242 | 246 | 250 | 253 | 260 | 250 | 246 | 241 | 236 | 187 | 166 | 205 | 227 | 232 |
| 20 | Q | 231 | 235 | 239 | 241 | 241 | 239 | 237 | 237 | 237 | 239 | 240 | 241 | 243 | 244 | 245 | 245 | 242 | 240 | 245 | | | | | | |

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

VERTICAL COMPONENT Z IN NT

SEPTEMBER 2005

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 | 268 | 311 | 243 | 212 | 242 | 222 | 224 | 239 | 250 | 255 | 267 | 288 | 315 | 291 | 264 | 261 | 260 | 255 | 253 | 257 | 258 | 210 | 171 | 190 | 250 |
| 2 | D 228 | 234 | 226 | 236 | 216 | 206 | 200 | 226 | 256 | 271 | 270 | 287 | 305 | 314 | 306 | 347 | 213 | 291 | 353 | 488 | 275 | 275 | 276 | 231 | 272 |
| 3 | 288 | 365 | 312 | 218 | 196 | 232 | 234 | 249 | 271 | 303 | 297 | 306 | 294 | 284 | 296 | 302 | 275 | 267 | 257 | 251 | 252 | 241 | 195 | 46 | 260 |
| 4 | 109 | 199 | 180 | 133 | 118 | 129 | 212 | 253 | 277 | 288 | 293 | 297 | 311 | 301 | 314 | 282 | 288 | 261 | 228 | 180 | 182 | 99 | 167 | 176 | 220 |
| 5 | 171 | 182 | 222 | 236 | 244 | 244 | 250 | 254 | 263 | 273 | 268 | 264 | 276 | 297 | 287 | 273 | 306 | 270 | 258 | 248 | 134 | 214 | 243 | 219 | 246 |
| 6 | 79 | 73 | 139 | 165 | 215 | 240 | 242 | 245 | 249 | 249 | 260 | 270 | 280 | 287 | 307 | 309 | 299 | 284 | 278 | 241 | 240 | 237 | 207 | 217 | 234 |
| 7 | 210 | 245 | 223 | 222 | 234 | 227 | 230 | 234 | 242 | 248 | 255 | 275 | 283 | 257 | 249 | 247 | 247 | 247 | 247 | 247 | 249 | 249 | 248 | 246 | 244 |
| 8 | Q 233 | 154 | 138 | 209 | 243 | 249 | 242 | 243 | 247 | 246 | 249 | 251 | 254 | 256 | 256 | 264 | 285 | 274 | 276 | 259 | 213 | 217 | 223 | 228 | 238 |
| 9 | 242 | 251 | 248 | 247 | 247 | 250 | 246 | 243 | 240 | 238 | 244 | 262 | 271 | 280 | 303 | 378 | 264 | 219 | 276 | 275 | 235 | 158 | 156 | 208 | 249 |
| 10 | 234 | 233 | 247 | 257 | 252 | 242 | 243 | 239 | 254 | 247 | 257 | 271 | 269 | 267 | 298 | 276 | 57 | 107 | 117 | 295 | 327 | 355 | 292 | 291 | 247 |
| 11 | D 91 | 94 | -50 | 98 | 96 | 135 | 192 | 206 | 360 | 384 | 301 | 186 | 97 | -79 | 166 | 158 | 287 | 155 | 200 | 309 | 389 | 248 | 197 | 292 | 188 |
| 12 | D 86 | -118 | 75 | 160 | 230 | 244 | 281 | 294 | 284 | 296 | 272 | 260 | 265 | 273 | 284 | 192 | 221 | 224 | 17 | 220 | 198 | 327 | 379 | -14 | 206 |
| 13 | D 76 | 152 | 216 | 191 | 140 | 188 | 259 | 296 | 290 | 290 | 282 | 311 | 211 | 7 | 229 | 264 | 259 | 256 | 266 | 213 | 192 | 259 | 247 | 160 | 219 |
| 14 | 129 | 154 | 218 | 249 | 248 | 239 | 269 | 284 | 280 | 301 | 308 | 317 | 291 | 295 | 327 | 308 | 301 | 222 | 248 | 110 | 70 | 209 | 202 | 142 | 238 |
| 15 | D 203 | 255 | 238 | 244 | 243 | 245 | 257 | 259 | 264 | 281 | 278 | 314 | 313 | 165 | 119 | 25 | 113 | 244 | 266 | 315 | 312 | 116 | 139 | 152 | 223 |
| 16 | 202 | 230 | 221 | 195 | 185 | 223 | 247 | 271 | 285 | 298 | 305 | 313 | 304 | 319 | 305 | 290 | 287 | 285 | 180 | 185 | 162 | 157 | 211 | 257 | 247 |
| 17 | 257 | 261 | 261 | 257 | 239 | 243 | 248 | 249 | 253 | 260 | 275 | 280 | 304 | 306 | 304 | 316 | 303 | 289 | 231 | 192 | 248 | 250 | 132 | 206 | 257 |
| 18 | 253 | 247 | 251 | 234 | 227 | 235 | 249 | 264 | 288 | 284 | 298 | 304 | 290 | 292 | 293 | 282 | 270 | 269 | 256 | 246 | 236 | 216 | 225 | 235 | 260 |
| 19 | 238 | 205 | 224 | 247 | 253 | 252 | 254 | 263 | 268 | 267 | 265 | 261 | 269 | 276 | 275 | 283 | 292 | 286 | 257 | 219 | 213 | 219 | 234 | 253 | 253 |
| 20 | Q 256 | 253 | 251 | 246 | 247 | 248 | 249 | 254 | 258 | 262 | 268 | 267 | 284 | 290 | 278 | 275 | 284 | 276 | 265 | 233 | 256 | 258 | 246 | 237 | 260 |
| 21 | Q 245 | 251 | 254 | 255 | 255 | 253 | 251 | 253 | 258 | 260 | 263 | 260 | 269 | 274 | 283 | 277 | 266 | 266 | 262 | 256 | 252 | 252 | 252 | 250 | 259 |
| 22 | 237 | 225 | 237 | 243 | 246 | 255 | 253 | 253 | 258 | 260 | 257 | 257 | 262 | 267 | 281 | 313 | 343 | 317 | 297 | 266 | 268 | 262 | 258 | 251 | 266 |
| 23 | 242 | 237 | 251 | 247 | 240 | 230 | 233 | 251 | 261 | 256 | 259 | 255 | 258 | 268 | 256 | 253 | 253 | 252 | 261 | 259 | 232 | 241 | 238 | 213 | 248 |
| 24 | Q 177 | 199 | 220 | 227 | 230 | 238 | 243 | 246 | 248 | 250 | 250 | 249 | 250 | 249 | 252 | 250 | 252 | 255 | 257 | 254 | 251 | 250 | 249 | 250 | 242 |
| 25 | Q 250 | 249 | 250 | 251 | 251 | 250 | 247 | 246 | 250 | 245 | 246 | 253 | 259 | 266 | 258 | 255 | 256 | 260 | 254 | 252 | 250 | 248 | 247 | 242 | 252 |
| 26 | 233 | 218 | 192 | 179 | 197 | 228 | 245 | 248 | 247 | 250 | 257 | 267 | 301 | 307 | 286 | 296 | 297 | 295 | 247 | 293 | 148 | 88 | 148 | 220 | 237 |
| 27 | 237 | 221 | 206 | 193 | 225 | 255 | 250 | 255 | 266 | 277 | 278 | 277 | 273 | 284 | 297 | 297 | 298 | 292 | 270 | 263 | 257 | 242 | 196 | 49 | 248 |
| 28 | 193 | 219 | 237 | 227 | 237 | 233 | 238 | 245 | 263 | 262 | 258 | 263 | 274 | 299 | 314 | 316 | 299 | 292 | 229 | 253 | 253 | 243 | 235 | 239 | 252 |
| 29 | 243 | 238 | 219 | 233 | 237 | 242 | 244 | 246 | 247 | 251 | 257 | 267 | 277 | 292 | 283 | 275 | 290 | 264 | 267 | 257 | 252 | 245 | 249 | 249 | 255 |
| 30 | 247 | 246 | 245 | 246 | 242 | 240 | 244 | 247 | 246 | 251 | 260 | 257 | 261 | 294 | 342 | 290 | 263 | 254 | 257 | 254 | 222 | 152 | 165 | 156 | 245 |

MEANS

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ALL | 205 | 209 | 213 | 219 | 222 | 231 | 243 | 252 | 264 | 270 | 270 | 273 | 272 | 259 | 277 | 272 | 264 | 255 | 244 | 253 | 234 | 225 | 221 | 203 | 244 |
| QUIET | 232 | 221 | 223 | 238 | 245 | 248 | 247 | 249 | 251 | 253 | 255 | 256 | 263 | 267 | 265 | 264 | 268 | 266 | 263 | 251 | 244 | 245 | 243 | 241 | 250 |
| DIST. | 137 | 123 | 141 | 186 | 185 | 204 | 238 | 256 | 291 | 305 | 281 | 272 | 238 | 136 | 221 | 197 | 219 | 234 | 220 | 309 | 273 | 245 | 248 | 164 | 222 |

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

VERTICAL COMPONENT Z IN NT

OCTOBER 2005

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 | 134 | 172 | 208 | 229 | 234 | 243 | 237 | 252 | 282 | 273 | 279 | 288 | 294 | 289 | 281 | 275 | 261 | 260 | 263 | 161 | 151 | 128 | 54 | 79 | 222 |
| 2 | D 46 | 126 | 158 | 152 | 199 | 240 | 232 | 243 | 267 | 265 | 277 | 289 | 312 | 333 | 331 | 313 | 265 | 261 | 257 | 247 | 182 | 136 | 134 | 229 | 229 |
| 3 | 174 | 232 | 231 | 231 | 238 | 250 | 248 | 258 | 259 | 252 | 256 | 262 | 267 | 270 | 265 | 260 | 256 | 252 | 251 | 251 | 216 | 176 | 225 | 233 | 242 |
| 4 | 220 | 236 | 243 | 248 | 249 | 248 | 250 | 252 | 251 | 251 | 256 | 262 | 264 | 268 | 265 | 260 | 258 | 258 | 252 | 240 | 239 | 242 | 239 | 250 | 250 |
| 5 | 244 | 235 | 237 | 238 | 239 | 244 | 247 | 250 | 252 | 253 | 253 | 252 | 258 | 262 | 262 | 262 | 264 | 262 | 264 | 252 | 229 | 238 | 215 | 192 | 246 |
| 6 | 197 | 238 | 242 | 246 | 249 | 249 | 249 | 249 | 250 | 253 | 255 | 255 | 258 | 265 | 258 | 256 | 257 | 272 | 270 | 258 | 242 | 245 | 244 | 240 | 250 |
| 7 | 241 | 244 | 239 | 243 | 245 | 244 | 242 | 243 | 244 | 246 | 246 | 250 | 257 | 270 | 311 | 269 | 262 | 289 | 257 | 277 | 277 | 239 | 318 | 346 | 262 |
| 8 | D 374 | 384 | 264 | 259 | 249 | 239 | 244 | 260 | 271 | 274 | 280 | 264 | 264 | 270 | 272 | 298 | 282 | 265 | 268 | 108 | 173 | 131 | 68 | 195 | 248 |
| 9 | 233 | 202 | 235 | 231 | 241 | 251 | 252 | 253 | 252 | 250 | 255 | 256 | 263 | 259 | 262 | 259 | 257 | 259 | 237 | 138 | 216 | 196 | 123 | 197 | 232 |
| 10 | 224 | 231 | 232 | 237 | 243 | 242 | 240 | 238 | 249 | 269 | 265 | 273 | 264 | 256 | 253 | 253 | 253 | 255 | 254 | 259 | 255 | 247 | 179 | 90 | 240 |
| 11 | 53 | 165 | 199 | 230 | 242 | 252 | 252 | 249 | 247 | 248 | 250 | 258 | 263 | 261 | 268 | 261 | 258 | 250 | 215 | 236 | 203 | 227 | 241 | 232 | 249 |
| 12 | Q 247 | 248 | 247 | 245 | 247 | 247 | 248 | 250 | 250 | 252 | 252 | 255 | 257 | 254 | 251 | 251 | 250 | 249 | 249 | 249 | 241 | 242 | 243 | 249 | 251 |
| 13 | 239 | 246 | 246 | 244 | 246 | 247 | 248 | 249 | 248 | 247 | 250 | 255 | 260 | 255 | 254 | 253 | 258 | 267 | 256 | 188 | 196 | 218 | 217 | 221 | 242 |
| 14 | Q 234 | 247 | 249 | 248 | 241 | 246 | 249 | 248 | 249 | 251 | 254 | 256 | 256 | 254 | 251 | 249 | 248 | 248 | 248 | 247 | 248 | 247 | 243 | 242 | 248 |
| 15 | Q 245 | 245 | 244 | 244 | 244 | 245 | 247 | 248 | 249 | 247 | 248 | 248 | 248 | 250 | 250 | 249 | 248 | 248 | 247 | 248 | 246 | 245 | 245 | 244 | 247 |
| 16 | 244 | 244 | 243 | 237 | 237 | 235 | 241 | 255 | 254 | 254 | 258 | 266 | 272 | 294 | 334 | 363 | 343 | 308 | 253 | 265 | 230 | 231 | 175 | 68 | 254 |
| 17 | D 160 | 207 | 196 | 176 | 172 | 204 | 258 | 253 | 251 | 264 | 256 | 271 | 289 | 320 | 309 | 322 | 330 | 312 | 278 | 266 | 252 | 237 | 243 | 251 | 253 |
| 18 | 250 | 250 | 247 | 239 | 231 | 237 | 241 | 245 | 248 | 249 | 251 | 258 | 273 | 270 | 258 | 268 | 277 | 259 | 252 | 248 | 210 | 227 | 236 | 248 | 249 |
| 19 | 246 | 231 | 222 | 197 | 204 | 220 | 230 | 237 | 246 | 249 | 254 | 262 | 275 | 277 | 310 | 297 | 297 | 275 | 266 | 255 | 218 | 205 | 187 | 189 | 244 |
| 20 | Q 194 | 219 | 242 | 247 | 248 | 248 | 247 | 247 | 248 | 249 | 252 | 255 | 255 | 254 | 253 | 254 | 257 | 252 | 250 | 250 | 245 | 240 | 231 | 235 | 245 |
| 21 | 245 | 246 | 246 | 247 | 247 | 247 | 248 | 247 | 245 | 245 | 245 | 246 | 247 | 248 | 247 | 246 | 246 | 248 | 248 | 247 | 246 | 244 | 243 | 219 | |

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

VERTICAL COMPONENT Z IN NT NOVEMBER 2005 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 | 302 | 236 | 230 | 249 | 261 | 258 | 260 | 264 | 264 | 266 | 272 | 274 | 281 | 292 | 290 | 275 | 292 | 250 | 260 | 270 | 248 | 250 | 197 | 162 | 259 | |
| 2 | 220 | 235 | 238 | 246 | 254 | 255 | 253 | 252 | 250 | 252 | 254 | 254 | 254 | 255 | 254 | 253 | 254 | 259 | 256 | 268 | 171 | 175 | 260 | 286 | 246 | |
| 3 | D 258 | 223 | 212 | 208 | 195 | 196 | 223 | 239 | 244 | 252 | 255 | 286 | 296 | 306 | 309 | 307 | 262 | 130 | 154 | 89 | 130 | 250 | 197 | 156 | 224 | |
| 4 | D 219 | 229 | 258 | 251 | 237 | 224 | 242 | 250 | 250 | 253 | 264 | 285 | 301 | 277 | 275 | 292 | 267 | 264 | 145 | 149 | 235 | 226 | 178 | 164 | 239 | |
| 5 | 205 | 218 | 248 | 260 | 269 | 248 | 254 | 272 | 263 | 258 | 260 | 259 | 258 | 259 | 278 | 284 | 262 | 264 | 258 | 263 | 236 | 208 | 226 | 172 | 249 | |
| 6 | D 151 | 128 | 140 | 171 | 214 | 238 | 248 | 256 | 260 | 264 | 268 | 270 | 265 | 257 | 267 | 281 | 295 | 268 | 247 | 247 | 219 | 132 | 99 | 139 | 222 | |
| 7 | 181 | 186 | 219 | 246 | 250 | 250 | 252 | 254 | 259 | 261 | 260 | 255 | 258 | 259 | 262 | 256 | 257 | 262 | 254 | 239 | 250 | 213 | 215 | 228 | 243 | |
| 8 | Q 243 | 251 | 251 | 252 | 254 | 253 | 252 | 252 | 252 | 253 | 254 | 253 | 252 | 252 | 252 | 255 | 255 | 254 | 260 | 257 | 249 | 225 | 221 | 250 | 250 | |
| 9 | 219 | 211 | 233 | 244 | 247 | 246 | 249 | 251 | 251 | 251 | 251 | 251 | 251 | 250 | 250 | 250 | 252 | 253 | 257 | 253 | 246 | 240 | 239 | 240 | 245 | |
| 10 | Q 245 | 247 | 248 | 248 | 248 | 248 | 248 | 250 | 251 | 251 | 250 | 249 | 250 | 250 | 250 | 250 | 250 | 253 | 269 | 280 | 241 | 231 | 228 | 249 | 249 | |
| 11 | 255 | 253 | 250 | 247 | 248 | 248 | 247 | 246 | 248 | 251 | 253 | 256 | 257 | 259 | 261 | 277 | 281 | 298 | 284 | 264 | 245 | 227 | 233 | 215 | 254 | |
| 12 | 146 | 191 | 233 | 234 | 241 | 249 | 246 | 250 | 256 | 264 | 276 | 287 | 312 | 317 | 271 | 266 | 309 | 282 | 293 | 275 | 221 | 133 | 189 | 216 | 248 | |
| 13 | D 219 | 203 | 192 | 184 | 196 | 217 | 243 | 254 | 261 | 272 | 283 | 308 | 317 | 334 | 316 | 260 | 277 | 304 | 295 | 273 | 238 | 105 | 64 | 139 | 240 | |
| 14 | 207 | 205 | 183 | 201 | 205 | 227 | 241 | 248 | 258 | 262 | 267 | 262 | 266 | 281 | 290 | 280 | 273 | 268 | 264 | 260 | 195 | 204 | 188 | 199 | 239 | |
| 15 | 240 | 255 | 257 | 258 | 250 | 253 | 249 | 252 | 255 | 261 | 266 | 263 | 266 | 272 | 273 | 270 | 261 | 256 | 255 | 258 | 247 | 225 | 210 | 230 | 254 | |
| 16 | Q 247 | 248 | 250 | 251 | 249 | 250 | 248 | 249 | 251 | 254 | 255 | 254 | 254 | 254 | 259 | 257 | 259 | 255 | 250 | 250 | 241 | 237 | 205 | 249 | 249 | |
| 17 | Q 221 | 241 | 244 | 245 | 247 | 246 | 245 | 246 | 244 | 249 | 249 | 252 | 253 | 252 | 252 | 251 | 250 | 250 | 250 | 249 | 248 | 247 | 243 | 241 | 247 | |
| 18 | 246 | 247 | 246 | 246 | 246 | 247 | 246 | 245 | 244 | 246 | 247 | 248 | 251 | 252 | 252 | 261 | 265 | 269 | 276 | 258 | 249 | 247 | 246 | 244 | 251 | |
| 19 | 244 | 243 | 246 | 248 | 247 | 246 | 246 | 247 | 246 | 246 | 247 | 247 | 246 | 245 | 244 | 261 | 231 | 278 | 308 | 271 | 115 | 136 | 183 | 225 | 237 | |
| 20 | 261 | 267 | 262 | 255 | 250 | 247 | 249 | 256 | 269 | 260 | 261 | 276 | 258 | 257 | 257 | 263 | 289 | 270 | 273 | 241 | 191 | 227 | 184 | 253 | 253 | |
| 21 | 205 | 248 | 246 | 239 | 234 | 240 | 253 | 252 | 252 | 251 | 251 | 257 | 259 | 262 | 267 | 273 | 285 | 284 | 261 | 247 | 243 | 242 | 218 | 251 | 264 | |
| 22 | 221 | 238 | 244 | 245 | 244 | 245 | 249 | 252 | 255 | 258 | 274 | 320 | 344 | 352 | 343 | 327 | 278 | 287 | 264 | 224 | 212 | 229 | 264 | 244 | 244 | |
| 23 | 238 | 257 | 251 | 242 | 249 | 242 | 235 | 244 | 253 | 269 | 272 | 273 | 291 | 325 | 315 | 271 | 268 | 270 | 263 | 229 | 222 | 172 | 138 | 121 | 246 | |
| 24 | 111 | 153 | 208 | 231 | 237 | 238 | 240 | 244 | 250 | 255 | 258 | 267 | 265 | 293 | 325 | 338 | 329 | 297 | 217 | 163 | 153 | 156 | 61 | 50 | 222 | |
| 25 | 97 | 150 | 171 | 182 | 223 | 232 | 250 | 253 | 267 | 274 | 271 | 270 | 276 | 282 | 264 | 289 | 257 | 263 | 268 | 248 | 225 | 151 | 198 | 188 | 231 | |
| 26 | 212 | 233 | 247 | 253 | 251 | 249 | 249 | 251 | 253 | 254 | 255 | 266 | 275 | 270 | 264 | 265 | 290 | 283 | 272 | 265 | 250 | 247 | 219 | 217 | 254 | |
| 27 | Q 247 | 251 | 251 | 248 | 249 | 247 | 248 | 249 | 249 | 251 | 250 | 249 | 251 | 252 | 252 | 252 | 252 | 252 | 258 | 264 | 254 | 252 | 203 | 202 | 233 | |
| 28 | 242 | 245 | 248 | 247 | 247 | 245 | 244 | 244 | 238 | 252 | 252 | 260 | 302 | 305 | 286 | 262 | 262 | 253 | 250 | 254 | 265 | 262 | 219 | 173 | 252 | |
| 29 | 198 | 239 | 245 | 248 | 249 | 249 | 248 | 247 | 247 | 245 | 247 | 250 | 252 | 251 | 251 | 252 | 252 | 256 | 266 | 271 | 279 | 294 | 238 | 95 | 245 | |
| 30 | D 220 | 235 | 234 | 237 | 246 | 243 | 243 | 243 | 247 | 268 | 281 | 284 | 284 | 288 | 276 | 260 | 260 | 260 | 260 | 252 | 238 | 149 | 121 | 99 | 238 | |
| MEANS | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALL | 217 | 226 | 233 | 237 | 241 | 242 | 247 | 250 | 253 | 256 | 259 | 264 | 269 | 274 | 274 | 272 | 270 | 263 | 258 | 248 | 229 | 208 | 198 | 191 | 245 | |
| QUIET | 241 | 248 | 249 | 249 | 249 | 249 | 249 | 249 | 249 | 251 | 252 | 252 | 252 | 252 | 252 | 253 | 253 | 255 | 260 | 258 | 250 | 234 | 227 | 230 | 248 | |
| DIST. | 213 | 204 | 207 | 210 | 218 | 224 | 240 | 248 | 252 | 258 | 268 | 286 | 292 | 292 | 291 | 283 | 272 | 245 | 220 | 202 | 172 | 132 | 139 | 233 | 233 | |

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

VERTICAL COMPONENT Z IN NT DECEMBER 2005 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 106 | 199 | 230 | 233 | 234 | 242 | 251 | 247 | 246 | 245 | 248 | 255 | 259 | 268 | 275 | 266 | 269 | 272 | 269 | 267 | 245 | 204 | 168 | 112 | 234 |
| 2 | 147 | 227 | 235 | 239 | 239 | 233 | 264 | 249 | 256 | 255 | 257 | 263 | 279 | 268 | 261 | 263 | 256 | 263 | 260 | 228 | 253 | 168 | 158 | 208 | 239 |
| 3 | 199 | 171 | 192 | 242 | 262 | 263 | 265 | 257 | 253 | 250 | 252 | 261 | 263 | 275 | 268 | 272 | 244 | 271 | 246 | 244 | 212 | 232 | 187 | 205 | 241 |
| 4 | 243 | 251 | 250 | 247 | 248 | 247 | 246 | 246 | 250 | 250 | 253 | 256 | 262 | 254 | 259 | 272 | 258 | 252 | 154 | 192 | 243 | 241 | 236 | 244 | 244 |
| 5 | 245 | 256 | 253 | 249 | 250 | 252 | 252 | 246 | 251 | 250 | 249 | 251 | 252 | 252 | 252 | 251 | 252 | 251 | 252 | 251 | 252 | 249 | 248 | 249 | 251 |
| 6 | Q 248 | 249 | 248 | 248 | 247 | 247 | 247 | 248 | 249 | 251 | 253 | 257 | 263 | 256 | 253 | 251 | 256 | 264 | 264 | 260 | 239 | 247 | 250 | 252 | 252 |
| 7 | Q 251 | 253 | 251 | 249 | 248 | 248 | 248 | 248 | 248 | 249 | 250 | 251 | 250 | 249 | 249 | 249 | 249 | 249 | 250 | 250 | 244 | 242 | 245 | 249 | 249 |
| 8 | Q 247 | 247 | 247 | 247 | 247 | 248 | 248 | 249 | 249 | 249 | 250 | 251 | 250 | 249 | 248 | 247 | 246 | 248 | 258 | 262 | 267 | 262 | 254 | 243 | 250 |
| 9 | 241 | 248 | 247 | 250 | 249 | 248 | 246 | 247 | 248 | 249 | 250 | 250 | 251 | 254 | 254 | 252 | 248 | 247 | 247 | 245 | 245 | 222 | 213 | 210 | 244 |
| 10 | 206 | 204 | 158 | 172 | 167 | 199 | 224 | 233 | 242 | 249 | 251 | 257 | 263 | 266 | 263 | 273 | 285 | 264 | 232 | 145 | 190 | 207 | 260 | 103 | 221 |
| 11 | D 173 | 200 | 196 | 184 | 181 | 202 | 221 | 236 | 252 | 260 | 312 | 274 | 264 | 268 | 283 | 285 | 192 | 181 | 217 | 204 | 213 | 207 | 184 | 200 | 225 |
| 12 | 219 | 219 | 232 | 233 | 226 | 248 | 251 | 257 | 258 | 255 | 259 | 263 | 262 | 268 | 292 | 292 | 330 | 290 | 281 | 202 | 228 | 234 | 152 | 182 | 247 |
| 13 | 237 | 247 | 248 | 250 | 254 | 256 | 256 | 257 | 258 | 257 | 256 | 259 | 268 | 288 | 272 | 260 | 255 | 253 | 255 | 263 | 233 | 209 | 247 | 252 | 254 |
| 14 | 255 | 254 | 253 | 252 | 250 | 251 | 250 | 252 | 254 | 254 | 254 | 257 | 258 | 256 | 255 | 254 | 254 | 256 | 256 | 253 | 251 | 250 | 249 | 254 | 253 |
| 15 | Q 247 | 241 | 246 | 247 | 247 | 249 | 250 | 250 | 249 | 250 | 249 | 251 | 252 | 252 | 251 | 252 | 251 | 251 | 251 | 251 | 251 | 249 | 239 | 245 | 249 |
| 16 | 244 | 245 | 242 | 239 | 215 | 227 | 236 | 238 | 243 | 247 | 250 | 251 | 256 | 269 | 269 | 269 | 290 | 267 | 269 | 257 | 260 | 236 | 234 | 240 | 250 |
| 17 | 246 | 247 | 246 | 247 | 247 | 247 | 246 | 245 | 246 | 247 | 254 | 268 | 261 | 256 | 254 | 253 | 263 | 253 | 252 | 251 | 247 | 244 | 240 | 250 | 250 |
| 18 | 225 | 218 | 229 | 240 | 246 | 247 | 248 | 248 | 246 | 245 | 248 | 248 | 247 | 248 | 249 | 249 | 251 | 250 | 250 | 252 | 253 | 245 | 244 | 245 | 245 |
| 19 | 245 | 245 | 242 | 242 | 246 | 248 | 248 | 246 | 245 | 244 | 246 | 246 | 251 | 251 | 255 | 257 | 250 | 260 | 268 | 125 | 194 | 234 | 206 | 130 | 234 |
| 20 | D 134 | 193 | 150 | 130 | 171 | 228 | 243 | 256 | 258 | 256 | 258 | 260 | 281 | 284 | 268 | 273 | 290 | 298 | 271 | 216 | 93 | 186 | 223 | 216 | 226 |
| 21 | 239 | 244 | 246 | 248 | 249 | 247 | 247 | 244 | 249 | 253 | 260 | 260 | 279 | 303 | 269 | 340 | 313 | 293 | 274 | 252 | 239 | 242 | 244 | 219 | 261 |
| 22 | 150 | | | | | | | | | | | | | | | | | | | | | | | | |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E HOURLY MEANS MINUS MONTHLY MEANS ON ALL DAYS 2005

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 | -38 | -10 | -44 | -29 | -16 | 1 | 10 | 17 | 19 | 29 | 29 | 31 | 34 | 37 | 31 | 26 | 12 | -4 | -5 | -10 | -18 | -26 | -33 | -42 | 51214 | |
| FEBRUARY | -22 | -32 | -22 | -16 | -13 | -8 | -4 | 2 | 6 | 7 | 10 | 14 | 16 | 22 | 26 | 24 | 23 | 17 | 12 | 1 | -6 | -14 | -21 | -22 | 51223 | |
| MARCH | -32 | -24 | -23 | -16 | -11 | -7 | 0 | 6 | 12 | 15 | 18 | 22 | 24 | 27 | 31 | 26 | 21 | 17 | 3 | -12 | -10 | -12 | -39 | -39 | 51216 | |
| APRIL | -22 | -20 | -28 | -14 | -13 | -8 | -2 | 4 | 8 | 12 | 12 | 16 | 22 | 23 | 30 | 30 | 20 | 15 | 7 | -8 | -3 | -16 | -37 | -27 | 51222 | |
| MAY | -26 | -32 | -29 | -40 | -27 | -3 | 11 | 16 | 26 | 21 | 18 | 14 | 8 | 5 | 14 | 14 | 23 | 17 | 8 | 3 | -3 | -5 | -17 | -14 | 51223 | |
| JUNE | -29 | -21 | -35 | -34 | -15 | -10 | -5 | 1 | 6 | 8 | 10 | 18 | 20 | 25 | 27 | 26 | 22 | 13 | 2 | -5 | -3 | -3 | -4 | -17 | 51233 | |
| JULY | -6 | -34 | -39 | -13 | -10 | -14 | -4 | 4 | 7 | 12 | 17 | 24 | 28 | 22 | -1 | 13 | 22 | 13 | 11 | 3 | 0 | 1 | -26 | -31 | 51230 | |
| AUGUST | -51 | -32 | -22 | -12 | -7 | 2 | 8 | 11 | 15 | 20 | 18 | 7 | 19 | 24 | 26 | 13 | 20 | 23 | 11 | 14 | 4 | -14 | -47 | -49 | 51228 | |
| SEPTEMBER | -39 | -34 | -31 | -25 | -22 | -13 | -1 | 8 | 20 | 26 | 26 | 29 | 29 | 15 | 33 | 29 | 20 | 12 | 0 | 9 | -10 | -19 | -23 | -41 | 51244 | |
| OCTOBER | -29 | -16 | -12 | -14 | -10 | -4 | -1 | 3 | 7 | 10 | 12 | 14 | 19 | 24 | 29 | 27 | 20 | 11 | 7 | -9 | -9 | -17 | -30 | -31 | 51245 | |
| NOVEMBER | -28 | -19 | -12 | -8 | -4 | -2 | 2 | 5 | 8 | 11 | 14 | 19 | 24 | 29 | 29 | 27 | 25 | 18 | 13 | 3 | -16 | -37 | -47 | -54 | 51245 | |
| DECEMBER | -31 | -12 | -11 | -9 | -6 | -1 | 4 | 5 | 6 | 7 | 10 | 11 | 15 | 20 | 19 | 24 | 23 | 18 | 7 | -11 | -8 | -17 | -32 | -33 | 51245 | |
| WINTER | -29 | -18 | -22 | -15 | -10 | -3 | 3 | 7 | 10 | 14 | 16 | 19 | 22 | 27 | 26 | 25 | 21 | 13 | 7 | -4 | -12 | -24 | -34 | -38 | 51232 | |
| EQUINOX | -30 | -24 | -24 | -17 | -14 | -8 | -1 | 6 | 12 | 16 | 17 | 20 | 23 | 22 | 31 | 28 | 20 | 13 | 4 | -5 | -8 | -16 | -32 | -34 | 51232 | |
| SUMMER | -28 | -30 | -31 | -25 | -15 | -6 | 3 | 8 | 14 | 15 | 16 | 16 | 19 | 19 | 16 | 16 | 22 | 16 | 8 | 4 | 0 | -5 | -24 | -28 | 51228 | |
| YEAR | -29 | -24 | -26 | -19 | -13 | -6 | 2 | 7 | 12 | 15 | 16 | 18 | 21 | 23 | 24 | 23 | 21 | 14 | 6 | -2 | -7 | -15 | -30 | -33 | 51231 | |

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 | 15 | 22 | 12 | -1 | -8 | -8 | -9 | 0 | -5 | -3 | -8 | -11 | -10 | -8 | -6 | -1 | 0 | -1 | -5 | -2 | 2 | 11 | 9 | 14 | 1905 | |
| FEBRUARY | 10 | 12 | 13 | 9 | 1 | -1 | 0 | 0 | -5 | -10 | -15 | -17 | -17 | -13 | -11 | -9 | -1 | 2 | 16 | 5 | 9 | 7 | 13 | 1900 | | |
| MARCH | 15 | 20 | 16 | 11 | 8 | 5 | 5 | 1 | -2 | -7 | -16 | -22 | -23 | -21 | -16 | -7 | 2 | 2 | -3 | 3 | 1 | 9 | 6 | 11 | 1902 | |
| APRIL | 8 | 11 | 23 | 22 | 15 | 14 | 12 | 8 | 2 | -7 | -17 | -26 | -25 | -24 | -18 | -11 | -6 | -7 | -4 | -3 | -4 | 3 | 17 | 15 | 1903 | |
| MAY | 23 | 28 | 23 | 22 | 18 | 23 | 24 | 17 | 4 | -7 | -15 | -19 | -20 | -29 | -30 | -23 | -21 | -20 | -19 | -11 | -4 | 7 | 12 | 15 | 1906 | |
| JUNE | 22 | 27 | 28 | 27 | 25 | 21 | 21 | 17 | 5 | -6 | -18 | -27 | -25 | -24 | -19 | -14 | -14 | -17 | -16 | -11 | -9 | -6 | 2 | 11 | 1910 | |
| JULY | 30 | 44 | 34 | 32 | 28 | 17 | 18 | 12 | 6 | -3 | -15 | -23 | -27 | -22 | -25 | -31 | -25 | -20 | -20 | -14 | -15 | -4 | 7 | 18 | 1912 | |
| AUGUST | 17 | 23 | 21 | 22 | 20 | 20 | 16 | 10 | 2 | -5 | -3 | -22 | -28 | -22 | -17 | -23 | -21 | -17 | -9 | -10 | -3 | 4 | 11 | 14 | 1913 | |
| SEPTEMBER | 15 | 17 | 19 | 17 | 15 | 9 | 8 | 3 | -1 | -4 | -11 | -14 | -17 | -17 | -11 | -10 | -11 | -7 | -15 | -8 | -2 | 10 | 8 | 8 | 1919 | |
| OCTOBER | 13 | 6 | 5 | 3 | 4 | 5 | 4 | 3 | 0 | -6 | -12 | -16 | -18 | -16 | -10 | -7 | -4 | -3 | 3 | 9 | 8 | 8 | 9 | 12 | 1918 | |
| NOVEMBER | 7 | 4 | 3 | 3 | 1 | -3 | -3 | -4 | -6 | -7 | -11 | -12 | -14 | -11 | -10 | -7 | -1 | 6 | 8 | 8 | 13 | 17 | 14 | 7 | 1920 | |
| DECEMBER | 3 | 3 | 1 | 1 | -2 | -3 | -3 | -4 | -5 | -7 | -8 | -10 | -10 | -7 | -7 | -3 | 0 | 0 | 4 | 12 | 7 | 11 | 17 | 9 | 1922 | |
| WINTER | 9 | 10 | 8 | 3 | -2 | -3 | -4 | -2 | -4 | -5 | -9 | -12 | -13 | -11 | -9 | -6 | -2 | 1 | 2 | 8 | 7 | 12 | 12 | 11 | 1912 | |
| EQUINOX | 13 | 14 | 16 | 13 | 10 | 8 | 7 | 4 | 0 | -6 | -14 | -20 | -21 | -19 | -14 | -9 | -5 | -4 | -5 | 0 | 1 | 8 | 10 | 11 | 1910 | |
| SUMMER | 23 | 30 | 26 | 26 | 23 | 20 | 20 | 14 | 4 | -5 | -13 | -23 | -25 | -25 | -23 | -23 | -20 | -19 | -16 | -12 | -8 | 0 | 8 | 15 | 1910 | |
| YEAR | 15 | 18 | 17 | 14 | 10 | 8 | 8 | 5 | 0 | -6 | -12 | -18 | -19 | -18 | -15 | -12 | -9 | -7 | -6 | -1 | 0 | 7 | 10 | 12 | 1911 | |

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 | -99 | -99 | -74 | -51 | -22 | 12 | 22 | 29 | 20 | 33 | 34 | 47 | 51 | 56 | 59 | 74 | 66 | 61 | 43 | 7 | 1 | -59 | -106 | -103 | 11420 | |
| FEBRUARY | -54 | -47 | -20 | -14 | -1 | 9 | 8 | 7 | 6 | 1 | 1 | 5 | 12 | 24 | 33 | 43 | 39 | 44 | 25 | 11 | 1 | -35 | -55 | -43 | 11435 | |
| MARCH | -55 | -46 | -27 | -9 | 10 | 14 | 13 | 10 | 5 | 3 | 8 | 17 | 23 | 39 | 39 | 41 | 48 | 50 | 30 | 7 | -29 | -42 | -74 | -74 | 11426 | |
| APRIL | -39 | -30 | -30 | -8 | 1 | 5 | 5 | 0 | -5 | -3 | 1 | 13 | 33 | 39 | 46 | 51 | 54 | 44 | 30 | 7 | -25 | -51 | -67 | -73 | 11428 | |
| MAY | -90 | -94 | -64 | -44 | -19 | -24 | -11 | -4 | 8 | 16 | 24 | 43 | 61 | 71 | 84 | 88 | 76 | 70 | 51 | -3 | -27 | -63 | -72 | -79 | 11418 | |
| JUNE | -66 | -59 | -45 | -33 | -9 | -4 | -4 | -5 | -6 | -2 | 4 | 18 | 38 | 43 | 52 | 57 | 61 | 55 | 38 | 2 | -7 | -31 | -42 | -55 | 11427 | |
| JULY | -102 | -102 | -57 | -40 | -34 | -10 | -2 | 3 | 0 | 2 | 10 | 26 | 62 | 100 | 100 | 90 | 85 | 73 | 52 | 12 | -19 | -50 | -91 | -105 | 11425 | |
| AUGUST | -59 | -45 | -24 | -7 | -2 | 2 | 0 | -6 | -9 | -7 | -8 | 11 | 38 | 59 | 65 | 66 | 50 | 47 | 28 | 10 | -21 | -66 | -75 | -46 | 11428 | |
| SEPTEMBER | -72 | -89 | -66 | -38 | -20 | -7 | -9 | 6 | 10 | 21 | 29 | 51 | 61 | 87 | 95 | 88 | 80 | 68 | 13 | -37 | -63 | -54 | -70 | -83 | 11417 | |
| OCTOBER | -29 | -17 | -3 | 6 | 9 | 13 | 8 | 0 | -5 | -7 | -4 | 1 | 8 | 15 | 31 | 37 | 33 | 23 | 15 | -3 | -18 | -36 | -44 | -35 | 11430 | |
| NOVEMBER | -23 | -20 | -8 | 0 | 6 | 10 | 10 | 5 | 1 | 2 | 5 | 10 | 14 | 18 | 23 | 23 | 31 | 29 | 14 | 4 | -13 | -43 | -48 | -50 | 11430 | |
| DECEMBER | -34 | -19 | -10 | 1 | 7 | 10 | 9 | 9 | 7 | 6 | 9 | 11 | 11 | 12 | 12 | 20 | 18 | 15 | 6 | 3 | 4 | -18 | -36 | -55 | 11431 | |
| WINTER | -52 | -46 | -28 | -16 | -3 | 10 | 12 | 13 | 9 | 11 | 12 | 18 | 22 | 27 | 32 | 40 | 38 | 37 | 22 | 6 | -2 | -39 | -61 | -63 | 11429 | |
| EQUINOX | -49 | -45 | -32 | -12 | 0 | 6 | 4 | 4 | 1 | 4 | 9 | 21 | 31 | 45 | 53 | 54 | 54 | 46 | 22 | -6 | -34 | -46 | -64 | -66 | 11425 | |
| SUMMER | -79 | -75 | -47 | -31 | -16 | -9 | -4 | -3 | -2 | 2 | 7 | 24 | 50 | 68 | 75 | 75 | 68 | 61 | 42 | 5 | -18 | -52 | -70 | -71 | 11425 | |
| YEAR | -60 | -56 | -36 | -20 | -6 | 2 | 4 | 5 | 3 | 5 | 9 | 21 | 34 | 47 | 53 | 56 | 54 | 48 | 29 | 2 | -18 | -46 | -65 | -67 | 11426 | |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E HOURLY MEANS MINUS MONTHLY MEANS ON QUIET DAYS 2005

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 | -18 | -5 | 0 | 2 | 2 | 0 | 0 | -1 | -1 | 0 | 1 | 2 | 2 | 3 | 3 | 6 | 6 | 8 | 14 | -6 | -5 | -4 | -6 | -6 | 51229 | |
| FEBRUARY | -5 | -8 | -6 | -2 | -1 | 1 | 2 | 2 | 1 | 1 | 2 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 13 | -1 | -7 | -15 | -8 | -6 | 51223 | |
| MARCH | -4 | -2 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 1 | 2 | 5 | 8 | 8 | 6 | 8 | 13 | 13 | 1 | -7 | -20 | -16 | -14 | 51225 | | |
| APRIL | -10 | -3 | 2 | 3 | 1 | -1 | -1 | -1 | -1 | -3 | -3 | -2 | 0 | 3 | 9 | 11 | 9 | 6 | 3 | 1 | -6 | -8 | -4 | -3 | 51226 | |
| MAY | -10 | -1 | 1 | 1 | -3 | -5 | -6 | -4 | -3 | -1 | -1 | 1 | 2 | 8 | 12 | 10 | 8 | 8 | 9 | 5 | 1 | 0 | 0 | -6 | -16 | 51233 |
| JUNE | -3 | -1 | 2 | 1 | -1 | -2 | -2 | -2 | -2 | -5 | -4 | -2 | 3 | 9 | 10 | 8 | 8 | 8 | 7 | 4 | -10 | -14 | -8 | -4 | 51235 | |
| JULY | -14 | -6 | -5 | 0 | 1 | 2 | 1 | -1 | -2 | -3 | -3 | -1 | 2 | 5 | 6 | 7 | 11 | 12 | 11 | 6 | 3 | -1 | -13 | -22 | 51230 | |
| AUGUST | -15 | -15 | -7 | -1 | 2 | 5 | 4 | 3 | 4 | 6 | 6 | 6 | 8 | 11 | 10 | 9 | 8 | 7 | 7 | 9 | -7 | -22 | -45 | 51237 | | |
| SEPTEMBER | -18 | -29 | -27 | -12 | -5 | -2 | -3 | -1 | 1 | 3 | 5 | 6 | 13 | 17 | 15 | 14 | 18 | 16 | 13 | 1 | -6 | -5 | -7 | -9 | 51250 | |
| OCTOBER | -14 | -6 | -1 | -1 | -3 | -1 | 0 | 0 | 1 | 1 | 3 | 4 | 5 | 5 | 5 | 4 | 4 | 4 | 2 | 2 | 0 | -3 | -6 | -6 | 51247 | |
| NOVEMBER | -7 | -1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 11 | 10 | 1 | -14 | -21 | -18 | 51248 | |
| DECEMBER | -1 | -2 | -2 | -2 | -2 | -2 | -1 | -1 | -1 | -1 | 0 | 1 | 2 | 3 | 1 | 0 | -1 | 1 | 5 | 6 | 6 | -1 | -3 | -3 | 51250 | |
| WINTER | -8 | -4 | -2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 3 | 4 | 3 | 4 | 4 | 6 | 11 | 2 | -1 | -9 | -10 | -8 | 51238 | |
| EQUINOX | -11 | -10 | -7 | -3 | -2 | -1 | -1 | 0 | 0 | 0 | 2 | 3 | 6 | 8 | 9 | 9 | 10 | 10 | 8 | 1 | -5 | -9 | -8 | -8 | 51237 | |
| SUMMER | -10 | -6 | -2 | 0 | 0 | 0 | -1 | -1 | -1 | -1 | -1 | 1 | 4 | 8 | 9 | 9 | 9 | 9 | 7 | 5 | 0 | -5 | -12 | -22 | 51234 | |
| YEAR | -10 | -6 | -4 | -1 | -1 | 0 | -1 | 0 | 0 | 0 | 1 | 2 | 4 | 7 | 7 | 7 | 8 | 8 | 9 | 3 | -2 | -8 | -10 | -13 | 51236 | |

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 | 1 | 0 | 2 | 3 | 3 | 4 | 2 | 0 | -3 | -5 | -8 | -8 | -6 | -8 | -7 | -4 | -5 | -1 | 11 | 14 | 9 | 3 | -1 | 1898 | |
| FEBRUARY | 2 | 1 | 1 | 4 | 5 | 6 | 7 | 6 | 5 | 0 | -6 | -10 | -11 | -10 | -7 | -4 | -4 | -3 | 2 | 7 | 4 | 5 | 2 | 1 | 1897 | |
| MARCH | 2 | 3 | 6 | 7 | 10 | 13 | 14 | 13 | 7 | -2 | -10 | -17 | -18 | -16 | -11 | -7 | -5 | -4 | -3 | -2 | 6 | 6 | 6 | 5 | 1898 | |
| APRIL | 3 | 4 | 9 | 14 | 16 | 17 | 16 | 12 | 6 | -2 | -14 | -23 | -24 | -19 | -11 | -3 | 0 | 1 | -1 | -1 | 4 | 0 | -1 | -1 | 1901 | |
| MAY | 5 | 14 | 21 | 25 | 27 | 25 | 19 | 10 | -1 | -12 | -22 | -27 | -26 | -20 | -13 | -6 | -3 | -2 | -3 | -6 | -5 | -4 | -1 | 3 | 1904 | |
| JUNE | 10 | 16 | 19 | 21 | 22 | 23 | 24 | 19 | 8 | -3 | -16 | -25 | -26 | -21 | -13 | -9 | -7 | -8 | -8 | -9 | -7 | -6 | -3 | -2 | 1908 | |
| JULY | 10 | 17 | 24 | 26 | 26 | 26 | 27 | 20 | 10 | -2 | -15 | -25 | -28 | -25 | -20 | -16 | -12 | -12 | -10 | -9 | -11 | -6 | 1 | 5 | 1909 | |
| AUGUST | 8 | 14 | 19 | 21 | 19 | 20 | 18 | 12 | 4 | -6 | -18 | -25 | -25 | -21 | -17 | -11 | -9 | -9 | -8 | -6 | -4 | 4 | 7 | 13 | 1914 | |
| SEPTEMBER | 3 | 5 | 12 | 16 | 16 | 14 | 10 | 4 | -1 | -6 | -13 | -19 | -17 | -13 | -7 | -3 | -1 | -3 | -3 | 1 | 3 | -1 | 0 | 2 | 1914 | |
| OCTOBER | 3 | 3 | 5 | 6 | 7 | 8 | 10 | 9 | 5 | -2 | -9 | -14 | -14 | -10 | -6 | -4 | -3 | -2 | -1 | 0 | 1 | 3 | 1 | 2 | 1916 | |
| NOVEMBER | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 1 | -3 | -5 | -8 | -8 | -8 | -5 | -2 | -2 | -1 | 0 | 8 | 4 | 1 | 4 | 6 | 8 | 1 | 1919 |
| DECEMBER | 1 | 1 | 2 | 2 | 2 | 2 | 1 | -1 | -3 | -7 | -8 | -8 | -6 | -2 | 0 | 0 | 0 | 0 | 4 | 2 | 2 | 7 | 8 | 3 | 1920 | |
| WINTER | 2 | 1 | 2 | 3 | 3 | 3 | 4 | 2 | -1 | -4 | -7 | -9 | -8 | -6 | -4 | -3 | -3 | -2 | 2 | 5 | 6 | 7 | 5 | 1 | 1908 | |
| EQUINOX | 3 | 4 | 8 | 11 | 12 | 13 | 12 | 9 | 4 | -3 | -12 | -18 | -18 | -14 | -9 | -4 | -2 | -2 | -2 | 0 | 4 | 2 | 2 | 2 | 1908 | |
| SUMMER | 8 | 15 | 21 | 23 | 24 | 24 | 22 | 15 | 5 | -6 | -18 | -25 | -26 | -22 | -16 | -11 | -8 | -7 | -7 | -7 | -7 | -3 | 1 | 5 | 1909 | |
| YEAR | 4 | 7 | 10 | 12 | 13 | 13 | 13 | 9 | 3 | -4 | -12 | -17 | -18 | -14 | -10 | -6 | -4 | -4 | -2 | -1 | 1 | 2 | 3 | 3 | 1908 | |

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 | -8 | -4 | -3 | 0 | 1 | 1 | 0 | -1 | -4 | -6 | -5 | -3 | 0 | 2 | 4 | 2 | 1 | 3 | 5 | 5 | 6 | 3 | 2 | 0 | 11442 | |
| FEBRUARY | -3 | -5 | -3 | 0 | 3 | 3 | 2 | -1 | -5 | -10 | -10 | -8 | -4 | 2 | 4 | 5 | 5 | 5 | 6 | 5 | 2 | 2 | 3 | 2 | 11445 | |
| MARCH | 1 | 1 | 0 | 3 | 3 | 1 | -4 | -11 | -18 | -21 | -19 | -10 | -2 | 3 | 6 | 7 | 10 | 18 | 26 | 19 | 0 | -11 | -5 | 3 | 11443 | |
| APRIL | -7 | 2 | 7 | 9 | 7 | 3 | -4 | -12 | -19 | -24 | -26 | -21 | -12 | -3 | 4 | 7 | 11 | 14 | 14 | 13 | 11 | 8 | 9 | 9 | 11445 | |
| MAY | -2 | 7 | 8 | 7 | 3 | -4 | -11 | -19 | -28 | -33 | -24 | -19 | -12 | 3 | 5 | 9 | 20 | 23 | 22 | 17 | 12 | 8 | 7 | 2 | 11444 | |
| JUNE | 0 | 0 | 5 | 2 | -1 | -5 | -10 | -18 | -24 | -28 | -26 | -14 | -10 | 0 | 1 | 10 | 16 | 21 | 26 | 25 | 15 | 7 | 6 | 3 | 11446 | |
| JULY | -10 | -5 | -3 | 0 | 1 | -3 | -13 | -20 | -26 | -28 | -26 | -17 | -5 | 3 | 10 | 18 | 22 | 29 | 27 | 23 | 17 | 12 | 2 | -10 | 11444 | |
| AUGUST | -9 | -8 | -3 | 5 | 4 | -1 | -6 | -13 | -20 | -21 | -16 | -9 | 5 | 11 | 15 | 17 | 16 | 15 | 19 | 23 | 18 | 2 | -9 | -33 | 11433 | |
| SEPTEMBER | -7 | -18 | -13 | 0 | 4 | -1 | -7 | -12 | -17 | -16 | -14 | -5 | 1 | 4 | 10 | 12 | 15 | 16 | 14 | 13 | 8 | 5 | 5 | 1 | 11433 | |
| OCTOBER | -7 | 0 | 3 | 4 | 6 | 7 | 4 | -4 | -12 | -17 | -18 | -13 | -5 | 0 | 3 | 3 | 5 | 6 | 7 | 7 | 6 | 7 | 5 | 5 | 11436 | |
| NOVEMBER | -2 | -1 | 0 | 3 | 4 | 5 | 3 | -3 | -6 | -5 | -4 | -1 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 6 | -2 | -5 | -7 | -5 | 11437 | |
| DECEMBER | -3 | -4 | -3 | -2 | 0 | 1 | 0 | -1 | -3 | -3 | 0 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | -1 | -3 | 11439 | |
| WINTER | -4 | -4 | -2 | 0 | 2 | 2 | 1 | -2 | -5 | -6 | -5 | -2 | 0 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 2 | 0 | 0 | -2 | 11441 | |
| EQUINOX | -5 | -4 | -1 | 4 | 5 | 3 | -3 | -10 | -17 | -20 | -19 | -12 | -4 | 1 | 6 | 7 | 10 | 13 | 15 | 13 | 6 | 2 | 3 | 4 | 11439 | |
| SUMMER | -5 | -2 | 2 | 3 | 2 | -3 | -10 | -18 | -25 | -28 | -23 | -15 | -6 | 4 | 8 | 13 | 19 | 22 | 23 | 22 | 15 | 7 | 2 | -9 | 11442 | |
| YEAR | -5 | -3 | 0 | 3 | 3 | 1 | -4 | -10 | -15 | -18 | -16 | -10 | -3 | 2 | 6 | 8 | 11 | 13 | 14 | 13 | 8 | 3 | 1 | -2 | 11441 | |

SODANKYLÄ FINLAND LAT = 67 22.1'N LONG = 26 37.8'E HOURLY MEANS MINUS MONTHLY MEANS ON DIST. DAYS 2005

VERTICAL COMPONENT Z IN NT

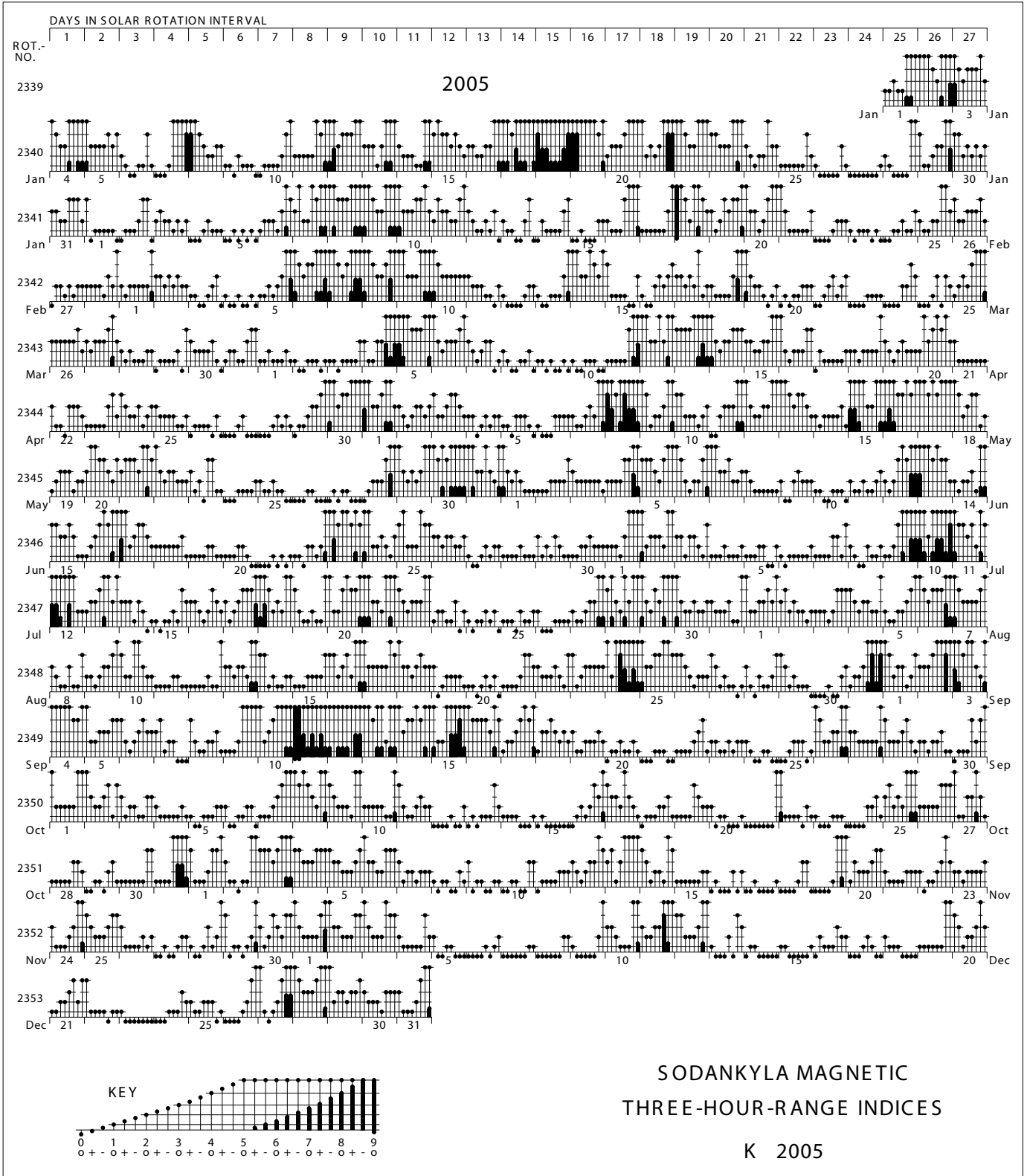
| MONTH | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | MEAN |
|-----------|------|------|------|------|-----|-----|-----|-----|-----|----|----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|------|-----|-------|------|
| JANUARY | 29 | 57 | -204 | -102 | -43 | 5 | 31 | 48 | 31 | 73 | 60 | 55 | 57 | 54 | 8 | -13 | -45 | -99 | -63 | -16 | 13 | -14 | 9 | 70 | 51205 | |
| FEBRUARY | -4 | -106 | -70 | -35 | -40 | -20 | -7 | 6 | 16 | 20 | 28 | 32 | 36 | 52 | 64 | 30 | 48 | 8 | -21 | -21 | -5 | -30 | 25 | -6 | 51217 | |
| MARCH | 33 | -26 | -64 | -50 | -38 | -26 | 1 | 22 | 37 | 40 | 44 | 55 | 59 | 62 | 77 | 42 | 13 | 6 | -42 | -88 | -51 | 12 | -67 | -49 | 51197 | |
| APRIL | 24 | -3 | -76 | -41 | -39 | -36 | -11 | 1 | 11 | 32 | 32 | 30 | 50 | 41 | 53 | 53 | 7 | -8 | -26 | -46 | 19 | 12 | -92 | 12 | 51219 | |
| MAY | -17 | -22 | -22 | -81 | -38 | 42 | 80 | 84 | 107 | 63 | 48 | 7 | -74 | -114 | -87 | -86 | -6 | -6 | 0 | 34 | 72 | 63 | -45 | -4 | 51194 | |
| JUNE | -7 | 18 | -72 | -74 | -41 | -47 | -41 | -17 | -2 | 1 | 13 | 36 | 27 | 36 | 44 | 34 | 24 | 6 | -29 | -50 | 5 | 44 | 50 | 42 | 51243 | |
| JULY | 33 | -66 | -100 | -32 | 7 | -41 | -19 | 6 | 16 | 30 | 48 | 77 | 97 | 23 | -149 | -78 | -23 | -2 | 4 | 21 | 80 | 83 | -21 | 7 | 51223 | |
| AUGUST | -108 | -50 | -11 | 3 | 6 | 19 | 31 | 46 | 50 | 63 | 31 | -46 | -15 | -14 | -9 | -82 | -28 | 18 | 1 | 57 | 48 | 46 | -16 | -39 | 51207 | |
| SEPTEMBER | -85 | -98 | -81 | -36 | -37 | -18 | 16 | 34 | 69 | 83 | 59 | 50 | 17 | -86 | -1 | -25 | -3 | 12 | -1 | 87 | 52 | 23 | 26 | -57 | 51222 | |
| OCTOBER | -35 | -9 | -32 | -55 | -41 | -19 | -4 | 4 | 12 | 22 | 27 | 26 | 34 | 59 | 57 | 39 | 11 | -18 | 11 | -15 | 20 | 2 | -52 | -41 | 51245 | |
| NOVEMBER | -19 | -29 | -25 | -22 | -15 | -9 | 7 | 16 | 19 | 25 | 35 | 53 | 60 | 59 | 59 | 51 | 40 | 13 | -12 | -31 | -20 | -60 | -101 | -93 | 51233 | |
| DECEMBER | -82 | -17 | -23 | -28 | -16 | 3 | 17 | 24 | 25 | 26 | 38 | 31 | 35 | 45 | 41 | 47 | 28 | 10 | -13 | -19 | -17 | -22 | -91 | -44 | 51230 | |
| WINTER | -19 | -24 | -80 | -47 | -28 | -5 | 12 | 23 | 23 | 36 | 40 | 43 | 47 | 53 | 43 | 29 | 18 | -17 | -27 | -22 | -7 | -31 | -39 | -18 | 51221 | |
| EQUINOX | -16 | -34 | -63 | -46 | -39 | -25 | 0 | 15 | 32 | 44 | 41 | 40 | 40 | 19 | 46 | 27 | 7 | -2 | -15 | -15 | 10 | 12 | -46 | -34 | 51221 | |
| SUMMER | -25 | -30 | -51 | -46 | -16 | -7 | 13 | 30 | 43 | 39 | 35 | 19 | 9 | -17 | -50 | -53 | -8 | 4 | -6 | 15 | 51 | 59 | -8 | 1 | 51217 | |
| YEAR | -20 | -29 | -65 | -46 | -28 | -12 | 8 | 23 | 33 | 40 | 39 | 34 | 32 | 18 | 13 | 1 | 5 | -5 | -16 | -7 | 18 | 13 | -31 | -17 | 51219 | |

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 | -9 | 53 | 45 | -3 | -13 | -6 | -8 | 35 | 4 | 17 | 2 | -2 | -3 | -11 | -6 | -9 | -24 | 8 | -12 | -41 | -44 | 21 | -10 | 14 | 1914 | |
| FEBRUARY | 43 | 55 | 57 | 27 | -1 | -8 | -14 | -17 | -13 | -15 | -18 | -25 | -33 | -29 | -19 | -34 | -18 | -9 | -10 | 48 | 0 | 15 | -8 | 28 | 1911 | |
| MARCH | 14 | 53 | 55 | 23 | 12 | -6 | -9 | -20 | -24 | -18 | -21 | -28 | -26 | -30 | -29 | -9 | 25 | 5 | -3 | 19 | 1 | 26 | -15 | 3 | 1906 | |
| APRIL | 22 | 27 | 65 | 60 | 12 | 2 | -2 | -9 | -14 | -18 | -25 | -41 | -31 | -37 | -35 | -35 | -21 | -19 | 0 | -1 | -34 | 0 | 73 | 63 | 1914 | |
| MAY | 49 | 59 | 31 | 33 | 24 | 41 | 62 | 61 | 37 | 14 | 6 | 8 | -12 | -81 | -103 | -81 | -77 | -71 | -61 | -19 | -8 | 31 | 38 | 20 | 1904 | |
| JUNE | 50 | 62 | 33 | 24 | 34 | 15 | 6 | 20 | -3 | -7 | -15 | -29 | -22 | -32 | -38 | -27 | -36 | -46 | -38 | -11 | -6 | 3 | 27 | 36 | 1911 | |
| JULY | 49 | 62 | 21 | 46 | 37 | 1 | 18 | 10 | 15 | 3 | -7 | -4 | -7 | 12 | -29 | -92 | -74 | -33 | -30 | -29 | -23 | 9 | 14 | 30 | 1911 | |
| AUGUST | 39 | 62 | 33 | 23 | 22 | 22 | 17 | 9 | -5 | -1 | 66 | -11 | -27 | -22 | -24 | -69 | -89 | -71 | -34 | -31 | 0 | 15 | 32 | 46 | 1914 | |
| SEPTEMBER | 36 | 42 | 39 | 45 | 28 | 12 | 17 | 1 | 8 | 16 | 6 | 0 | -11 | -22 | -23 | -28 | -38 | -32 | -65 | -38 | -22 | -4 | 21 | 10 | 1936 | |
| OCTOBER | 33 | 13 | 6 | -5 | 5 | 5 | 4 | -1 | 1 | -6 | -12 | -16 | -19 | -19 | -12 | -11 | 0 | -21 | -7 | 13 | 4 | 18 | 14 | 16 | 1916 | |
| NOVEMBER | 11 | 14 | 10 | 2 | -1 | -12 | -8 | -8 | -8 | -6 | -15 | -17 | -19 | -17 | -19 | -14 | 2 | 23 | 25 | 10 | 18 | 16 | 5 | 9 | 1923 | |
| DECEMBER | 19 | 9 | 4 | 4 | -3 | -9 | -8 | -9 | -9 | -8 | -12 | -16 | -16 | -11 | -12 | -7 | -4 | -5 | -11 | 6 | 10 | 29 | 45 | 12 | 1927 | |
| WINTER | 16 | 33 | 29 | 7 | -4 | -9 | -10 | 0 | -7 | -3 | -11 | -15 | -18 | -17 | -14 | -16 | -11 | 4 | -2 | 6 | -4 | 20 | 8 | 16 | 1919 | |
| EQUINOX | 26 | 33 | 41 | 31 | 14 | 3 | 2 | -7 | -7 | -6 | -13 | -21 | -22 | -27 | -25 | -20 | -8 | -17 | -19 | -2 | -13 | 10 | 23 | 23 | 1918 | |
| SUMMER | 46 | 61 | 29 | 31 | 29 | 20 | 26 | 25 | 11 | 2 | 12 | -9 | -17 | -31 | -48 | -67 | -69 | -55 | -41 | -22 | -9 | 15 | 28 | 33 | 1910 | |
| YEAR | 30 | 42 | 33 | 23 | 13 | 5 | 6 | 6 | -1 | -2 | -4 | -15 | -19 | -25 | -29 | -34 | -29 | -23 | -20 | -6 | -9 | 15 | 20 | 24 | 1916 | |

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 | -211 | -378 | -299 | -164 | -118 | 23 | 59 | 104 | 60 | 132 | 138 | 203 | 196 | 190 | 171 | 223 | 173 | 150 | 92 | -71 | -46 | -217 | -272 | -139 | 11378 | |
| FEBRUARY | -178 | -193 | -91 | -64 | -3 | 33 | 27 | 36 | 46 | 37 | 40 | 50 | 66 | 93 | 127 | 158 | 103 | 116 | 43 | 1 | 7 | -135 | -205 | -115 | 11403 | |
| MARCH | -143 | -209 | -91 | -50 | 28 | 41 | 45 | 55 | 61 | 62 | 71 | 90 | 87 | 118 | 120 | 156 | 181 | 143 | 22 | -43 | -128 | -165 | -230 | -220 | 11379 | |
| APRIL | -122 | -118 | -129 | -72 | -16 | 24 | 42 | 48 | 54 | 68 | 78 | 106 | 162 | 150 | 166 | 183 | 195 | 104 | 38 | -36 | -150 | -240 | -274 | -262 | 11375 | |
| MAY | -187 | -287 | -220 | -167 | -61 | -101 | -38 | 2 | 62 | 96 | 145 | 175 | 212 | 166 | 205 | 181 | 115 | 128 | 59 | -77 | -18 | -158 | -144 | -89 | 11381 | |
| JUNE | -155 | -96 | -61 | -101 | -63 | -39 | -17 | -5 | 8 | 37 | 50 | 84 | 154 | 132 | 174 | 179 | 168 | 154 | 45 | -137 | -91 | -107 | -119 | -195 | 11395 | |
| JULY | -153 | -167 | -113 | -155 | -180 | -107 | -25 | 8 | 9 | 2 | 29 | 75 | 204 | 371 | 366 | 279 | 190 | 121 | 38 | -103 | -85 | -136 | -270 | -197 | 11432 | |
| AUGUST | -100 | -111 | -14 | 1 | 6 | 14 | 13 | 8 | 11 | 28 | -28 | 44 | 127 | 197 | 195 | 211 | 120 | 89 | -4 | -42 | -167 | -243 | -244 | -110 | 11409 | |
| SEPTEMBER | -245 | -259 | -161 | -124 | -77 | -8 | -34 | 37 | 67 | 134 | 147 | 210 | 244 | 304 | 286 | 214 | 166 | 145 | -77 | -203 | -252 | -145 | -151 | -219 | 11374 | |
| OCTOBER | -57 | -64 | -41 | -3 | 6 | 20 | 13 | 3 | 6 | 10 | 21 | 24 | 28 | 55 | 119 | 136 | 116 | 53 | 25 | -51 | -106 | -142 | -118 | -54 | 11422 | |
| NOVEMBER | -32 | -61 | -29 | -19 | -4 | 6 | 21 | 17 | 7 | 9 | 17 | 33 | 37 | 50 | 80 | 79 | 68 | 47 | 3 | -14 | -28 | -82 | -128 | -79 | 11424 | |
| DECEMBER | -68 | -44 | -40 | 10 | 27 | 28 | 25 | 28 | 24 | 21 | 34 | 32 | 32 | 34 | 34 | 57 | 53 | 25 | -36 | -18 | 28 | -32 | -89 | -163 | 11415 | |
| WINTER | -123 | -169 | -115 | -59 | -25 | 23 | 33 | 46 | 34 | 50 | 57 | 80 | 83 | 92 | 103 | 129 | 99 | 85 | 26 | -26 | -10 | -116 | -173 | -124 | 11405 | |
| EQUINOX | -142 | -162 | -106 | -62 | -15 | 20 | 17 | 36 | 47 | 69 | 79 | 108 | 130 | 157 | 172 | 172 | 165 | 111 | 2 | -83 | -159 | -173 | -193 | -189 | 11388 | |
| SUMMER | -149 | -165 | -102 | -105 | -74 | -58 | -17 | 3 | 22 | 41 | 49 | 95 | 174 | 217 | 235 | 213 | 148 | 123 | 35 | -90 | -90 | -161 | -194 | -148 | 11404 | |
| YEAR | -138 | -166 | -107 | -75 | -38 | -5 | 11 | 28 | 35 | 53 | 62 | 94 | 129 | 155 | 170 | 171 | 137 | 106 | 21 | -66 | -86 | -150 | -187 | -154 | 11399 | |



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