

Ivinhema 1/11/03

| Date | Time | Temp Out | Hi Temp | Low Temp | Out Hum | Dew | Wind Speed | Dir | Wind Run | Hi Speed | Hi Dir | Wind Chill | Heat Index | THW | Bar | Rain | Rain Rate | Solar Rad. | Solar Energy | Hi Solar Rad. | Solar UV |
|---------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 1/11/03 | 1:00 | 20.1 | 20.2 | 20.1 | 99 | 19.9 | 1.6 | NNE | 1.61 | 8.0 | N | 20.1 | 21.2 | 21.2 | 755.3 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 1/11/03 | 2:00 | 20.3 | 20.6 | 20.1 | 99 | 20.2 | 3.2 | ENE | 3.22 | 11.3 | NE | 20.3 | 21.6 | 21.6 | 755.6 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 1/11/03 | 3:00 | 20.7 | 20.8 | 20.3 | 97 | 20.2 | 1.6 | ESE | 1.61 | 8.0 | S | 20.7 | 22.1 | 22.1 | 755.9 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 1/11/03 | 4:00 | 20.0 | 20.7 | 19.9 | 99 | 19.8 | 1.6 | SW | 1.61 | 8.0 | SW | 20.0 | 21.0 | 21.0 | 756.0 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 1/11/03 | 5:00 | 19.8 | 19.9 | 19.6 | 99 | 19.6 | 3.2 | WNW | 3.22 | 8.0 | WNW | 19.8 | 20.7 | 20.7 | 756.5 | 0.0 | 0.0 | 1 | 0.09 | 7 | 0.0 |
| 1/11/03 | 6:00 | 20.0 | 20.2 | 19.8 | 100 | 20.0 | 4.8 | WSW | 4.83 | 11.3 | SW | 20.0 | 21.0 | 21.0 | 757.2 | 0.0 | 0.0 | 29 | 2.49 | 91 | 0.2 |
| 1/11/03 | 7:00 | 21.1 | 21.6 | 20.2 | 96 | 20.4 | 9.7 | W | 9.66 | 19.3 | W | 21.1 | 22.6 | 21.6 | 757.8 | 0.0 | 0.0 | 118 | 10.15 | 206 | 0.7 |
| 1/11/03 | 8:00 | 22.1 | 22.4 | 21.6 | 92 | 20.7 | 11.3 | WSW | 11.27 | 20.9 | SW | 22.1 | 23.3 | 21.9 | 758.2 | 0.0 | 0.0 | 190 | 16.34 | 554 | 2.0 |
| 1/11/03 | 9:00 | 23.1 | 23.6 | 22.3 | 81 | 19.7 | 11.3 | WSW | 11.27 | 19.3 | SSW | 23.1 | 24.1 | 22.9 | 758.3 | 0.0 | 0.0 | 272 | 23.40 | 398 | 3.3 |
| 1/11/03 | 10:00 | 23.2 | 23.6 | 22.9 | 88 | 21.1 | 8.0 | WSW | 8.05 | 19.3 | SW | 23.2 | 24.4 | 23.9 | 758.3 | 0.2 | 0.0 | 199 | 17.12 | 253 | 2.8 |
| 1/11/03 | 11:00 | 23.4 | 23.7 | 23.1 | 90 | 21.7 | 9.7 | SW | 9.66 | 22.5 | SSW | 23.4 | 24.9 | 24.0 | 758.1 | 0.6 | 1.8 | 188 | 16.17 | 280 | 2.9 |
| 1/11/03 | 12:00 | 23.6 | 24.3 | 22.9 | 80 | 19.9 | 12.9 | SW | 12.87 | 22.5 | WSW | 23.6 | 24.6 | 23.1 | 757.7 | 0.0 | 0.0 | 210 | 18.06 | 271 | 3.3 |
| 1/11/03 | 13:00 | 24.9 | 25.8 | 24.2 | 70 | 19.1 | 14.5 | SW | 14.48 | 22.5 | SW | 24.9 | 25.9 | 24.4 | 757.2 | 0.0 | 0.0 | 347 | 29.85 | 486 | 5.1 |
| 1/11/03 | 14:00 | 26.2 | 26.9 | 25.6 | 66 | 19.4 | 14.5 | WSW | 14.48 | 30.6 | SSW | 26.2 | 27.3 | 26.0 | 756.5 | 0.0 | 0.0 | 390 | 33.54 | 679 | 5.6 |
| 1/11/03 | 15:00 | 26.1 | 26.4 | 25.6 | 66 | 19.2 | 16.1 | SW | 16.09 | 27.4 | WSW | 26.1 | 27.1 | 25.6 | 756.2 | 0.0 | 0.0 | 224 | 19.27 | 350 | 2.4 |
| 1/11/03 | 16:00 | 25.7 | 26.2 | 25.5 | 71 | 20.1 | 11.3 | WSW | 11.27 | 22.5 | SW | 25.7 | 26.8 | 25.9 | 756.2 | 0.0 | 0.0 | 122 | 10.49 | 153 | 1.0 |
| 1/11/03 | 17:00 | 25.0 | 25.5 | 24.2 | 75 | 20.3 | 11.3 | WSW | 11.27 | 27.4 | WSW | 25.0 | 26.5 | 25.5 | 756.6 | 0.0 | 0.0 | 60 | 5.16 | 109 | 0.4 |
| 1/11/03 | 18:00 | 23.4 | 24.2 | 22.9 | 82 | 20.2 | 11.3 | WSW | 11.27 | 22.5 | WSW | 23.4 | 24.6 | 23.4 | 757.1 | 0.0 | 0.0 | 13 | 1.12 | 25 | 0.0 |
| 1/11/03 | 19:00 | 22.6 | 22.9 | 22.3 | 78 | 18.5 | 9.7 | WSW | 9.66 | 19.3 | WSW | 22.6 | 23.4 | 22.5 | 757.6 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 1/11/03 | 20:00 | 21.9 | 22.5 | 21.2 | 88 | 19.9 | 11.3 | W | 11.27 | 20.9 | WSW | 21.9 | 22.9 | 21.6 | 758.3 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 1/11/03 | 21:00 | 20.9 | 21.3 | 20.6 | 87 | 18.7 | 11.3 | WSW | 11.27 | 27.4 | WSW | 20.9 | 21.9 | 20.5 | 758.9 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 1/11/03 | 22:00 | 20.3 | 20.7 | 19.9 | 87 | 18.0 | 14.5 | WSW | 14.48 | 27.4 | WSW | 20.2 | 21.3 | 19.0 | 759.0 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 1/11/03 | 23:00 | 19.7 | 19.9 | 19.4 | 89 | 17.9 | 14.5 | WSW | 14.48 | 25.7 | WSW | 19.5 | 20.7 | 18.4 | 759.0 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 2/11/03 | 00:00 | 19.3 | 19.5 | 19.1 | 91 | 17.8 | 12.9 | WSW | 12.87 | 25.7 | WSW | 19.1 | 20.2 | 18.2 | 758.1 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |

Ivinhema 2/11/03

| Date | Time | Temp Out | Hi Temp | Low Temp | Out Hum | Dew | Wind Speed | Dir | Wind Run | Hi Speed | Hi Dir | Wind Chill | Heat Index | THW | Bar | Rain | Rain Rate | Solar Rad. | Solar Energy | Hi Solar Rad. | Solar UV |
|---------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 2/11/03 | 1:00 | 19.0 | 19.1 | 18.9 | 91 | 17.5 | 12.9 | WSW | 12.87 | 20.9 | WSW | 18.7 | 19.8 | 17.8 | 757.7 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 2/11/03 | 2:00 | 18.9 | 19.1 | 18.8 | 92 | 17.6 | 9.7 | WSW | 9.66 | 19.3 | WSW | 18.8 | 19.6 | 18.4 | 757.5 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 2/11/03 | 3:00 | 18.6 | 18.8 | 18.3 | 89 | 16.7 | 12.9 | WSW | 12.87 | 25.7 | WSW | 18.2 | 19.3 | 17.2 | 757.5 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 2/11/03 | 4:00 | 18.1 | 18.3 | 17.8 | 87 | 15.9 | 12.9 | WSW | 12.87 | 22.5 | WSW | 17.6 | 18.8 | 16.7 | 757.5 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 2/11/03 | 5:00 | 17.6 | 17.8 | 17.3 | 89 | 15.8 | 11.3 | WSW | 11.27 | 20.9 | WSW | 17.1 | 18.2 | 16.4 | 758.0 | 0.0 | 0.0 | 1 | 0.09 | 7 | 0.0 |
| 2/11/03 | 6:00 | 17.6 | 17.9 | 17.3 | 85 | 15.0 | 9.7 | WSW | 9.66 | 16.1 | WSW | 17.2 | 18.1 | 16.7 | 758.9 | 0.0 | 0.0 | 15 | 1.29 | 28 | 0.0 |
| 2/11/03 | 7:00 | 18.1 | 18.3 | 17.9 | 86 | 15.7 | 9.7 | WSW | 9.66 | 19.3 | WSW | 17.8 | 18.7 | 17.3 | 759.3 | 0.0 | 0.0 | 37 | 3.18 | 49 | 0.3 |
| 2/11/03 | 8:00 | 19.1 | 19.9 | 18.3 | 79 | 15.3 | 14.5 | SW | 14.48 | 30.6 | SW | 18.7 | 19.8 | 17.4 | 759.6 | 0.0 | 0.0 | 148 | 12.73 | 253 | 1.5 |
| 2/11/03 | 9:00 | 19.4 | 19.9 | 19.1 | 80 | 15.9 | 16.1 | SW | 16.09 | 30.6 | WSW | 19.1 | 20.4 | 17.7 | 760.1 | 0.0 | 0.0 | 122 | 10.49 | 241 | 1.6 |
| 2/11/03 | 10:00 | 19.8 | 20.5 | 19.4 | 77 | 15.7 | 11.3 | SW | 11.27 | 22.5 | SW | 19.8 | 20.5 | 19.0 | 760.0 | 0.0 | 0.0 | 112 | 9.63 | 157 | 1.7 |
| 2/11/03 | 11:00 | 20.4 | 20.6 | 20.2 | 81 | 17.0 | 8.0 | WSW | 8.05 | 16.1 | WSW | 20.4 | 21.4 | 20.7 | 760.1 | 0.0 | 0.0 | 120 | 10.32 | 150 | 2.0 |
| 2/11/03 | 12:00 | 21.0 | 22.3 | 20.2 | 74 | 16.2 | 8.0 | SW | 8.05 | 16.1 | SW | 21.0 | 21.4 | 20.8 | 759.6 | 0.0 | 0.0 | 260 | 22.36 | 470 | 4.2 |
| 2/11/03 | 13:00 | 21.7 | 22.2 | 21.3 | 79 | 17.9 | 6.4 | SW | 6.44 | 17.7 | SSW | 21.7 | 22.6 | 22.6 | 759.1 | 0.0 | 0.0 | 164 | 14.11 | 296 | 2.6 |
| 2/11/03 | 14:00 | 22.0 | 22.6 | 21.4 | 76 | 17.6 | 4.8 | W | 4.83 | 12.9 | WSW | 22.0 | 22.7 | 22.7 | 758.7 | 0.0 | 0.0 | 210 | 18.06 | 269 | 3.0 |
| 2/11/03 | 15:00 | 23.2 | 23.9 | 22.6 | 76 | 18.7 | 3.2 | SSW | 3.22 | 9.7 | SSW | 23.2 | 24.2 | 24.2 | 758.1 | 0.0 | 0.0 | 235 | 20.21 | 301 | 2.6 |
| 2/11/03 | 16:00 | 22.2 | 23.1 | 21.6 | 84 | 19.3 | 6.4 | SSW | 6.44 | 16.1 | SSW | 22.2 | 23.2 | 23.2 | 758.3 | 0.0 | 0.0 | 62 | 5.33 | 121 | 0.6 |
| 2/11/03 | 17:00 | 20.7 | 21.6 | 19.7 | 96 | 20.1 | 9.7 | SW | 9.66 | 19.3 | WSW | 20.7 | 22.1 | 21.0 | 758.8 | 0.0 | 0.0 | 23 | 1.98 | 30 | 0.2 |
| 2/11/03 | 18:00 | 19.4 | 19.7 | 19.2 | 97 | 18.9 | 9.7 | WSW | 9.66 | 16.1 | W | 19.4 | 20.2 | 18.9 | 759.2 | 0.0 | 0.0 | 7 | 0.60 | 18 | 0.0 |
| 2/11/03 | 19:00 | 19.1 | 19.2 | 19.1 | 98 | 18.8 | 9.7 | WSW | 9.66 | 19.3 | SW | 19.1 | 19.8 | 18.6 | 759.6 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 2/11/03 | 20:00 | 19.3 | 19.7 | 19.1 | 94 | 18.3 | 4.8 | SSW | 4.83 | 11.3 | SW | 19.3 | 20.0 | 20.0 | 759.9 | 0.2 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 2/11/03 | 21:00 | 19.9 | 20.1 | 19.7 | 86 | 17.5 | 3.2 | S | 3.22 | 12.9 | SE | 19.9 | 20.9 | 20.9 | 760.3 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 2/11/03 | 22:00 | 19.7 | 20.1 | 19.5 | 84 | 16.9 | 4.8 | SSE | 4.83 | 17.7 | SSE | 19.7 | 20.7 | 20.7 | 760.3 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 2/11/03 | 23:00 | 19.3 | 19.5 | 19.1 | 85 | 16.7 | 8.0 | SSE | 8.05 | 17.7 | SSE | 19.3 | 20.3 | 19.5 | 760.2 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 3/11/03 | 00:00 | 18.9 | 19.1 | 18.6 | 82 | 15.7 | 6.4 | SE | 6.44 | 19.3 | SSE | 18.9 | 19.7 | 19.4 | 759.8 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |

Ivinhema 3/11/03

| Date | Time | Temp Out | Hi Temp | Low Temp | Out Hum | Dew | Wind Speed | Dir | Wind Run | Hi Speed | Hi Dir | Wind Chill | Heat Index | THW | Bar | Rain | Rain Rate | Solar Rad. | Solar Energy | Hi Solar Rad. | Solar UV |
|---------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 3/11/03 | 1:00 | 18.5 | 18.6 | 18.3 | 84 | 15.7 | 4.8 | SE | 4.83 | 16.1 | SE | 18.5 | 19.2 | 19.1 | 759.5 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 3/11/03 | 2:00 | 18.2 | 18.3 | 18.1 | 83 | 15.2 | 4.8 | SSE | 4.83 | 16.1 | SE | 18.2 | 18.8 | 18.7 | 759.4 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 3/11/03 | 3:00 | 18.1 | 18.2 | 17.9 | 86 | 15.7 | 4.8 | SE | 4.83 | 16.1 | SE | 18.1 | 18.7 | 18.5 | 759.6 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 3/11/03 | 4:00 | 17.9 | 17.9 | 17.8 | 86 | 15.5 | 6.4 | SSE | 6.44 | 16.1 | SSE | 17.9 | 18.5 | 18.1 | 760.1 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 3/11/03 | 5:00 | 17.7 | 17.8 | 17.7 | 85 | 15.2 | 3.2 | SE | 3.22 | 12.9 | SE | 17.7 | 18.3 | 18.3 | 760.5 | 0.0 | 0.0 | 1 | 0.09 | 5 | 0.0 |
| 3/11/03 | 6:00 | 17.8 | 18.1 | 17.7 | 84 | 15.1 | 1.6 | SE | 1.61 | 9.7 | ESE | 17.8 | 18.4 | 18.4 | 761.1 | 0.0 | 0.0 | 24 | 2.06 | 53 | 0.1 |
| 3/11/03 | 7:00 | 18.7 | 19.2 | 18.1 | 76 | 14.3 | 3.2 | SE | 3.22 | 12.9 | SSE | 18.7 | 19.1 | 19.1 | 761.7 | 0.0 | 0.0 | 133 | 11.44 | 204 | 0.8 |
| 3/11/03 | 8:00 | 19.8 | 20.5 | 19.2 | 71 | 14.4 | 6.4 | E | 6.44 | 17.7 | SE | 19.8 | 19.9 | 19.7 | 761.8 | 0.0 | 0.0 | 278 | 23.91 | 366 | 2.6 |
| 3/11/03 | 9:00 | 21.4 | 22.1 | 20.4 | 62 | 13.9 | 6.4 | E | 6.44 | 19.3 | ENE | 21.4 | 21.4 | 21.4 | 761.6 | 0.0 | 0.0 | 423 | 36.38 | 549 | 4.8 |
| 3/11/03 | 10:00 | 22.9 | 23.7 | 21.8 | 57 | 14.0 | 6.4 | E | 6.44 | 19.3 | E | 22.9 | 22.9 | 22.9 | 761.1 | 0.0 | 0.0 | 757 | 65.11 | 910 | 9.3 |
| 3/11/03 | 11:00 | 24.4 | 25.2 | 23.7 | 51 | 13.6 | 6.4 | E | 6.44 | 17.7 | ENE | 24.4 | 24.4 | 24.4 | 760.5 | 0.0 | 0.0 | 816 | 70.19 | 838 | 11.4 |
| 3/11/03 | 12:00 | 25.6 | 26.1 | 25.0 | 50 | 14.4 | 6.4 | E | 6.44 | 19.3 | SE | 25.6 | 25.6 | 25.6 | 759.7 | 0.0 | 0.0 | 854 | 73.45 | 894 | 12.2 |
| 3/11/03 | 13:00 | 26.3 | 27.3 | 25.7 | 47 | 14.1 | 6.4 | ESE | 6.44 | 16.1 | SSE | 26.3 | 26.3 | 26.3 | 759.0 | 0.0 | 0.0 | 838 | 72.08 | 926 | 10.4 |
| 3/11/03 | 14:00 | 27.1 | 27.8 | 26.3 | 45 | 14.2 | 6.4 | SSE | 6.44 | 19.3 | SSE | 27.1 | 27.2 | 27.2 | 758.2 | 0.0 | 0.0 | 661 | 56.85 | 859 | 7.5 |
| 3/11/03 | 15:00 | 27.6 | 28.2 | 27.2 | 47 | 15.3 | 6.4 | S | 6.44 | 19.3 | S | 27.6 | 28.1 | 28.1 | 757.7 | 0.0 | 0.0 | 589 | 50.66 | 663 | 5.1 |
| 3/11/03 | 16:00 | 27.6 | 28.3 | 27.2 | 44 | 14.3 | 4.8 | S | 4.83 | 14.5 | SSE | 27.6 | 27.8 | 27.8 | 757.6 | 0.0 | 0.0 | 407 | 35.01 | 496 | 2.4 |
| 3/11/03 | 17:00 | 27.6 | 28.1 | 26.6 | 49 | 15.9 | 3.2 | S | 3.22 | 11.3 | SSW | 27.6 | 28.1 | 28.1 | 757.7 | 0.0 | 0.0 | 196 | 16.86 | 289 | 0.8 |
| 3/11/03 | 18:00 | 25.4 | 26.6 | 24.1 | 61 | 17.3 | 1.6 | SSW | 1.61 | 8.0 | SSW | 25.4 | 25.8 | 25.8 | 758.0 | 0.0 | 0.0 | 32 | 2.75 | 102 | 0.1 |
| 3/11/03 | 19:00 | 23.2 | 24.1 | 21.7 | 74 | 18.3 | 0.0 | --- | 0.00 | 0.0 | --- | 23.2 | 24.1 | 24.1 | 758.4 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 3/11/03 | 20:00 | 20.1 | 21.7 | 18.8 | 85 | 17.5 | 0.0 | S | 0.00 | 3.2 | NNW | 20.1 | 21.1 | 21.1 | 758.5 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 3/11/03 | 21:00 | 18.1 | 18.8 | 17.2 | 92 | 16.7 | 0.0 | NW | 0.00 | 1.6 | NW | 18.1 | 18.6 | 18.6 | 758.8 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 3/11/03 | 22:00 | 17.6 | 18.9 | 16.7 | 91 | 16.1 | 0.0 | SW | 0.00 | 4.8 | SW | 17.6 | 18.1 | 18.1 | 758.7 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 3/11/03 | 23:00 | 18.4 | 19.8 | 17.6 | 71 | 13.0 | 0.0 | SSE | 0.00 | 8.0 | SE | 18.4 | 18.3 | 18.3 | 758.3 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 4/11/03 | 00:00 | 18.8 | 19.9 | 17.4 | 72 | 13.7 | 4.8 | SSE | 4.83 | 12.9 | SSE | 18.8 | 18.8 | 18.8 | 758.1 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |

Ivinhema 4/11/03

| Date | Time | Temp Out | Hi Temp | Low Temp | Out Hum | Dew | Wind Speed | Dir | Wind Run | Hi Speed | Hi Dir | Wind Chill | Heat Index | THW | Bar | Rain | Rain Rate | Solar Rad. | Solar Energy | Hi Solar Rad. | Solar UV |
|---------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 4/11/03 | 1:00 | 16.4 | 18.9 | 15.2 | 88 | 14.5 | 1.6 | N | 1.61 | 11.3 | N | 16.4 | 16.8 | 16.8 | 758.0 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 4/11/03 | 2:00 | 14.5 | 15.2 | 14.2 | 91 | 13.0 | 0.0 | WNW | 0.00 | 3.2 | WNW | 14.5 | 14.7 | 14.7 | 758.2 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 4/11/03 | 3:00 | 14.9 | 15.2 | 14.5 | 88 | 12.9 | 0.0 | NW | 0.00 | 4.8 | NW | 14.9 | 15.1 | 15.1 | 758.5 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 4/11/03 | 4:00 | 15.8 | 16.8 | 14.8 | 78 | 11.9 | 1.6 | NE | 1.61 | 22.5 | ENE | 15.8 | 15.8 | 15.8 | 759.0 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 4/11/03 | 5:00 | 16.7 | 17.6 | 15.6 | 72 | 11.6 | 8.0 | ENE | 8.05 | 27.4 | ENE | 16.3 | 16.4 | 15.3 | 759.8 | 0.0 | 0.0 | 3 | 0.26 | 19 | 0.0 |
| 4/11/03 | 6:00 | 17.3 | 17.5 | 16.8 | 67 | 11.1 | 6.4 | E | 6.44 | 16.1 | E | 17.3 | 16.9 | 16.4 | 761.0 | 0.0 | 0.0 | 74 | 6.36 | 144 | 0.3 |
| 4/11/03 | 7:00 | 18.1 | 19.1 | 17.5 | 63 | 10.9 | 6.4 | E | 6.44 | 16.1 | E | 18.1 | 17.8 | 17.4 | 761.5 | 0.0 | 0.0 | 222 | 19.09 | 368 | 1.2 |
| 4/11/03 | 8:00 | 19.7 | 20.5 | 18.9 | 57 | 11.0 | 11.3 | E | 11.27 | 22.5 | ENE | 19.7 | 19.4 | 17.8 | 761.6 | 0.0 | 0.0 | 460 | 39.57 | 545 | 3.2 |
| 4/11/03 | 9:00 | 21.1 | 21.7 | 20.2 | 55 | 11.7 | 12.9 | E | 12.87 | 25.7 | NE | 21.1 | 20.6 | 18.8 | 761.3 | 0.0 | 0.0 | 622 | 53.50 | 690 | 6.1 |
| 4/11/03 | 10:00 | 22.4 | 23.4 | 21.6 | 49 | 11.2 | 12.9 | ENE | 12.87 | 25.7 | E | 22.4 | 21.8 | 20.2 | 760.8 | 0.0 | 0.0 | 745 | 64.08 | 792 | 9.0 |
| 4/11/03 | 11:00 | 24.3 | 25.3 | 23.3 | 45 | 11.6 | 11.3 | ENE | 11.27 | 25.7 | ENE | 24.3 | 23.8 | 22.8 | 760.1 | 0.0 | 0.0 | 824 | 70.87 | 933 | 11.0 |
| 4/11/03 | 12:00 | 25.5 | 26.2 | 24.7 | 38 | 10.1 | 9.7 | E | 9.66 | 22.5 | E | 25.5 | 24.9 | 24.2 | 759.2 | 0.0 | 0.0 | 767 | 65.97 | 1059 | 10.6 |
| 4/11/03 | 13:00 | 26.7 | 27.3 | 26.1 | 40 | 12.0 | 8.0 | E | 8.05 | 20.9 | ENE | 26.7 | 26.7 | 26.4 | 758.5 | 0.0 | 0.0 | 590 | 50.75 | 772 | 9.4 |
| 4/11/03 | 14:00 | 27.2 | 27.7 | 26.8 | 32 | 9.0 | 6.4 | SSE | 6.44 | 17.7 | SSE | 27.2 | 26.4 | 26.4 | 757.7 | 0.0 | 0.0 | 374 | 32.17 | 611 | 5.9 |
| 4/11/03 | 15:00 | 27.2 | 28.0 | 26.6 | 29 | 7.6 | 8.0 | SSE | 8.05 | 17.7 | SSE | 27.2 | 26.2 | 25.9 | 757.1 | 0.0 | 0.0 | 408 | 35.09 | 846 | 4.0 |
| 4/11/03 | 16:00 | 27.4 | 27.9 | 26.7 | 27 | 6.7 | 4.8 | S | 4.83 | 16.1 | SE | 27.4 | 26.4 | 26.4 | 757.0 | 0.0 | 0.0 | 307 | 26.41 | 489 | 2.0 |
| 4/11/03 | 17:00 | 27.5 | 27.8 | 27.2 | 34 | 10.2 | 1.6 | ESE | 1.61 | 9.7 | SE | 27.5 | 26.9 | 26.9 | 757.1 | 0.0 | 0.0 | 158 | 13.59 | 317 | 0.7 |
| 4/11/03 | 18:00 | 25.6 | 27.3 | 23.2 | 49 | 14.1 | 0.0 | ESE | 0.00 | 3.2 | ESE | 25.6 | 25.5 | 25.5 | 757.6 | 0.0 | 0.0 | 30 | 2.58 | 127 | 0.1 |
| 4/11/03 | 19:00 | 21.4 | 23.2 | 20.7 | 61 | 13.6 | 1.6 | WSW | 1.61 | 8.0 | WSW | 21.4 | 21.4 | 21.4 | 758.1 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 4/11/03 | 20:00 | 20.2 | 20.7 | 19.3 | 70 | 14.6 | 0.0 | WNW | 0.00 | 3.2 | WNW | 20.2 | 20.2 | 20.2 | 758.7 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 4/11/03 | 21:00 | 18.9 | 19.4 | 18.5 | 69 | 13.1 | 0.0 | WNW | 0.00 | 3.2 | WNW | 18.9 | 18.7 | 18.7 | 758.8 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 4/11/03 | 22:00 | 19.5 | 20.3 | 17.9 | 83 | 16.5 | 1.6 | WNW | 1.61 | 4.8 | WNW | 19.5 | 20.5 | 20.5 | 758.7 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 4/11/03 | 23:00 | 17.6 | 17.9 | 17.3 | 83 | 14.7 | 3.2 | WSW | 3.22 | 8.0 | WSW | 17.6 | 18.1 | 18.1 | 758.3 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 5/11/03 | 00:00 | 17.2 | 18.1 | 16.4 | 78 | 13.3 | 3.2 | SSW | 3.22 | 11.3 | SSW | 17.2 | 17.4 | 17.4 | 757.9 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |

Ivinhema 5/11/03

| Date | Time | Temp Out | Hi Temp | Low Temp | Out Hum | Dew | Wind Speed | Dir | Wind Run | Hi Speed | Hi Dir | Wind Chill | Heat Index | THW | Bar | Rain | Rain Rate | Solar Rad. | Solar Energy | Hi Solar Rad. | Solar UV |
|---------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 5/11/03 | 1:00 | 16.8 | 18.4 | 15.3 | 87 | 14.7 | 0.0 | NNE | 0.00 | 4.8 | NE | 16.8 | 17.2 | 17.2 | 757.6 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 5/11/03 | 2:00 | 14.9 | 16.1 | 13.8 | 92 | 13.6 | 1.6 | NW | 1.61 | 8.0 | WNW | 14.9 | 15.1 | 15.1 | 758.0 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 5/11/03 | 3:00 | 13.9 | 15.8 | 13.7 | 98 | 13.6 | 0.0 | WSW | 0.00 | 8.0 | W | 13.9 | 14.1 | 14.1 | 758.3 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 5/11/03 | 4:00 | 15.6 | 16.3 | 14.9 | 91 | 14.1 | 0.0 | --- | 0.00 | 0.0 | --- | 15.6 | 15.8 | 15.8 | 758.7 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 5/11/03 | 5:00 | 16.8 | 17.8 | 15.6 | 70 | 11.3 | 1.6 | E | 1.61 | 11.3 | E | 16.8 | 16.4 | 16.4 | 759.2 | 0.0 | 0.0 | 3 | 0.26 | 14 | 0.0 |
| 5/11/03 | 6:00 | 18.1 | 19.3 | 17.8 | 74 | 13.4 | 1.6 | E | 1.61 | 9.7 | ESE | 18.1 | 18.2 | 18.2 | 759.9 | 0.0 | 0.0 | 59 | 5.07 | 253 | 0.2 |
| 5/11/03 | 7:00 | 20.1 | 20.6 | 19.3 | 60 | 12.0 | 6.4 | E | 6.44 | 20.9 | ENE | 20.1 | 20.1 | 19.9 | 760.2 | 0.0 | 0.0 | 240 | 20.64 | 438 | 1.1 |
| 5/11/03 | 8:00 | 21.2 | 21.9 | 20.2 | 55 | 11.8 | 12.9 | ENE | 12.87 | 20.9 | NE | 21.2 | 20.7 | 19.0 | 760.3 | 0.0 | 0.0 | 516 | 44.38 | 635 | 3.2 |
| 5/11/03 | 9:00 | 22.5 | 23.6 | 21.7 | 53 | 12.4 | 8.0 | ENE | 8.05 | 19.3 | E | 22.5 | 22.2 | 21.6 | 760.2 | 0.0 | 0.0 | 621 | 53.41 | 728 | 5.7 |
| 5/11/03 | 10:00 | 24.2 | 24.9 | 23.3 | 53 | 14.0 | 8.0 | E | 8.05 | 19.3 | ENE | 24.2 | 24.2 | 23.7 | 759.9 | 0.0 | 0.0 | 740 | 63.65 | 783 | 8.7 |
| 5/11/03 | 11:00 | 25.8 | 26.6 | 24.9 | 45 | 12.9 | 9.7 | E | 9.66 | 19.3 | NNE | 25.8 | 25.7 | 25.0 | 759.3 | 0.0 | 0.0 | 808 | 69.50 | 823 | 10.7 |
| 5/11/03 | 12:00 | 26.8 | 27.3 | 26.1 | 46 | 14.2 | 8.0 | E | 8.05 | 17.7 | ENE | 26.8 | 26.9 | 26.6 | 758.3 | 0.0 | 0.0 | 825 | 70.96 | 829 | 11.2 |
| 5/11/03 | 13:00 | 28.2 | 28.9 | 27.3 | 40 | 13.3 | 6.4 | E | 6.44 | 17.7 | NE | 28.2 | 28.2 | 28.2 | 757.6 | 0.0 | 0.0 | 784 | 67.43 | 815 | 10.1 |
| 5/11/03 | 14:00 | 28.9 | 29.3 | 28.2 | 34 | 11.5 | 6.4 | ESE | 6.44 | 17.7 | SE | 28.9 | 28.3 | 28.3 | 757.0 | 0.0 | 0.0 | 688 | 59.18 | 739 | 7.6 |
| 5/11/03 | 15:00 | 29.2 | 29.5 | 28.9 | 29 | 9.4 | 4.8 | ESE | 4.83 | 14.5 | S | 29.2 | 28.1 | 28.1 | 756.3 | 0.0 | 0.0 | 536 | 46.10 | 628 | 4.5 |
| 5/11/03 | 16:00 | 30.1 | 31.1 | 29.2 | 32 | 11.6 | 1.6 | WNW | 1.61 | 11.3 | SSE | 30.1 | 29.3 | 29.3 | 756.0 | 0.0 | 0.0 | 360 | 30.96 | 457 | 2.1 |
| 5/11/03 | 17:00 | 30.4 | 31.0 | 29.4 | 38 | 14.5 | 0.0 | N | 0.00 | 4.8 | N | 30.4 | 30.2 | 30.2 | 756.0 | 0.0 | 0.0 | 177 | 15.22 | 266 | 0.7 |
| 5/11/03 | 18:00 | 27.5 | 29.4 | 25.5 | 56 | 17.9 | 0.0 | WNW | 0.00 | 4.8 | WNW | 27.5 | 28.3 | 28.3 | 756.3 | 0.0 | 0.0 | 31 | 2.67 | 88 | 0.1 |
| 5/11/03 | 19:00 | 23.8 | 25.5 | 22.7 | 70 | 18.0 | 0.0 | NW | 0.00 | 1.6 | NW | 23.8 | 24.8 | 24.8 | 756.7 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 5/11/03 | 20:00 | 22.3 | 22.7 | 22.0 | 81 | 18.9 | 0.0 | E | 0.00 | 3.2 | NW | 22.3 | 23.3 | 23.3 | 756.7 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 5/11/03 | 21:00 | 20.4 | 22.3 | 18.5 | 89 | 18.5 | 0.0 | NNE | 0.00 | 3.2 | NE | 20.4 | 21.4 | 21.4 | 757.1 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 5/11/03 | 22:00 | 17.4 | 18.5 | 16.6 | 90 | 15.7 | 0.0 | NNE | 0.00 | 3.2 | NNE | 17.4 | 17.9 | 17.9 | 757.2 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 5/11/03 | 23:00 | 16.4 | 16.6 | 16.3 | 93 | 15.3 | 0.0 | NNE | 0.00 | 1.6 | NNE | 16.4 | 16.7 | 16.7 | 756.9 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 6/11/03 | 00:00 | 16.5 | 16.8 | 16.3 | 90 | 14.9 | 1.6 | NNE | 1.61 | 4.8 | NNE | 16.5 | 16.9 | 16.9 | 756.8 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |

Ivinhema 6/11/03

| Date | Time | Temp Out | Hi Temp | Low Temp | Out Hum | Dew | Wind Speed | Dir | Wind Run | Hi Speed | Hi Dir | Wind Chill | Heat Index | THW | Bar | Rain | Rain Rate | Solar Rad. | Solar Energy | Hi Solar Rad. | Solar UV |
|---------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 6/11/03 | 1:00 | 15.8 | 16.7 | 15.2 | 88 | 13.8 | 1.6 | NNE | 1.61 | 11.3 | E | 15.8 | 16.1 | 16.1 | 756.7 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 6/11/03 | 2:00 | 15.6 | 16.4 | 15.2 | 92 | 14.3 | 3.2 | NE | 3.22 | 8.0 | NE | 15.6 | 15.8 | 15.7 | 756.6 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 6/11/03 | 3:00 | 15.2 | 15.5 | 14.7 | 91 | 13.8 | 1.6 | NE | 1.61 | 4.8 | NW | 15.2 | 15.4 | 15.4 | 757.0 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 6/11/03 | 4:00 | 14.4 | 15.8 | 13.8 | 98 | 14.1 | 1.6 | WSW | 1.61 | 8.0 | SW | 14.4 | 14.6 | 14.6 | 757.5 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 6/11/03 | 5:00 | 17.4 | 17.9 | 15.3 | 92 | 16.1 | 6.4 | ENE | 6.44 | 17.7 | NE | 17.4 | 17.9 | 17.5 | 757.9 | 0.0 | 0.0 | 3 | 0.26 | 12 | 0.0 |
| 6/11/03 | 6:00 | 17.4 | 18.6 | 16.7 | 92 | 16.1 | 3.2 | NE | 3.22 | 12.9 | NE | 17.4 | 17.8 | 17.8 | 758.6 | 0.0 | 0.0 | 82 | 7.05 | 169 | 0.3 |
| 6/11/03 | 7:00 | 19.6 | 20.7 | 18.6 | 83 | 16.6 | 6.4 | ENE | 6.44 | 16.1 | ENE | 19.6 | 20.6 | 20.4 | 758.7 | 0.0 | 0.0 | 267 | 22.96 | 389 | 1.2 |
| 6/11/03 | 8:00 | 21.4 | 22.1 | 20.5 | 74 | 16.6 | 6.4 | E | 6.44 | 16.1 | ENE | 21.4 | 21.8 | 21.8 | 758.7 | 0.0 | 0.0 | 469 | 40.34 | 540 | 2.9 |
| 6/11/03 | 9:00 | 22.6 | 23.7 | 22.0 | 75 | 18.0 | 9.7 | E | 9.66 | 22.5 | ENE | 22.6 | 23.4 | 22.4 | 758.4 | 0.0 | 0.0 | 615 | 52.90 | 693 | 5.6 |
| 6/11/03 | 10:00 | 24.7 | 25.7 | 23.8 | 64 | 17.4 | 9.7 | E | 9.66 | 17.7 | ENE | 24.7 | 25.1 | 24.3 | 757.9 | 0.0 | 0.0 | 744 | 63.99 | 822 | 8.2 |
| 6/11/03 | 11:00 | 26.7 | 27.8 | 25.7 | 55 | 16.9 | 6.4 | E | 6.44 | 17.7 | SE | 26.7 | 27.2 | 27.2 | 757.2 | 0.0 | 0.0 | 823 | 70.79 | 940 | 9.6 |
| 6/11/03 | 12:00 | 28.4 | 28.9 | 27.3 | 48 | 16.4 | 6.4 | NE | 6.44 | 17.7 | NNE | 28.4 | 29.2 | 29.2 | 756.6 | 0.0 | 0.0 | 666 | 57.28 | 964 | 7.9 |
| 6/11/03 | 13:00 | 29.9 | 30.9 | 28.8 | 37 | 13.6 | 4.8 | E | 4.83 | 16.1 | N | 29.9 | 29.6 | 29.6 | 755.5 | 0.0 | 0.0 | 770 | 66.23 | 929 | 7.6 |
| 6/11/03 | 14:00 | 30.3 | 30.9 | 29.5 | 43 | 16.4 | 6.4 | NE | 6.44 | 16.1 | NNE | 30.3 | 30.7 | 30.7 | 754.7 | 0.0 | 0.0 | 697 | 59.95 | 864 | 5.7 |
| 6/11/03 | 15:00 | 29.5 | 30.3 | 28.9 | 46 | 16.7 | 4.8 | ESE | 4.83 | 14.5 | NE | 29.5 | 30.1 | 30.1 | 754.0 | 0.0 | 0.0 | 263 | 22.62 | 618 | 2.6 |
| 6/11/03 | 16:00 | 29.1 | 29.6 | 28.4 | 48 | 16.9 | 3.2 | ESE | 3.22 | 9.7 | SSE | 29.1 | 29.8 | 29.8 | 753.8 | 0.0 | 0.0 | 206 | 17.72 | 468 | 1.5 |
| 6/11/03 | 17:00 | 29.3 | 29.6 | 28.8 | 49 | 17.5 | 1.6 | SE | 1.61 | 11.3 | SSE | 29.3 | 30.2 | 30.2 | 753.5 | 0.0 | 0.0 | 194 | 16.69 | 347 | 0.7 |
| 6/11/03 | 18:00 | 27.7 | 28.8 | 26.3 | 64 | 20.3 | 0.0 | SE | 0.00 | 3.2 | SE | 27.7 | 29.4 | 29.4 | 753.7 | 0.0 | 0.0 | 36 | 3.10 | 99 | 0.1 |
| 6/11/03 | 19:00 | 24.9 | 26.3 | 23.1 | 83 | 21.8 | 0.0 | SW | 0.00 | 3.2 | SW | 24.9 | 26.8 | 26.8 | 754.1 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 6/11/03 | 20:00 | 21.6 | 23.1 | 19.9 | 83 | 18.6 | 0.0 | SSW | 0.00 | 4.8 | WSW | 21.6 | 22.6 | 22.6 | 754.8 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 6/11/03 | 21:00 | 19.3 | 19.9 | 18.9 | 89 | 17.4 | 0.0 | N | 0.00 | 4.8 | N | 19.3 | 20.2 | 20.2 | 755.4 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 6/11/03 | 22:00 | 18.3 | 18.9 | 18.2 | 90 | 16.6 | 1.6 | NW | 1.61 | 3.2 | NW | 18.3 | 18.9 | 18.9 | 755.5 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 6/11/03 | 23:00 | 17.7 | 18.2 | 16.7 | 93 | 16.5 | 1.6 | NW | 1.61 | 4.8 | NW | 17.7 | 18.1 | 18.1 | 755.5 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 7/11/03 | 00:00 | 16.7 | 17.3 | 16.2 | 93 | 15.5 | 0.0 | WNW | 0.00 | 4.8 | WNW | 16.7 | 16.9 | 16.9 | 755.1 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |

Ivinhema 7/11/03

| Date | Time | Temp Out | Hi Temp | Low Temp | Out Hum | Dew | Wind Speed | Dir | Wind Run | Hi Speed | Hi Dir | Wind Chill | Heat Index | THW | Bar | Rain | Rain Rate | Solar Rad. | Solar Energy | Hi Solar Rad. | Solar UV |
|---------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 7/11/03 | 1:00 | 17.3 | 17.5 | 17.1 | 93 | 16.1 | 0.0 | WNW | 0.00 | 3.2 | WNW | 17.3 | 17.7 | 17.7 | 754.7 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 7/11/03 | 2:00 | 17.2 | 17.7 | 16.6 | 92 | 15.9 | 0.0 | WNW | 0.00 | 3.2 | WNW | 17.2 | 17.6 | 17.6 | 754.5 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 7/11/03 | 3:00 | 16.2 | 17.6 | 14.8 | 96 | 15.6 | 1.6 | WNW | 1.61 | 8.0 | S | 16.2 | 16.4 | 16.4 | 754.7 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 7/11/03 | 4:00 | 14.9 | 15.2 | 14.4 | 97 | 14.4 | 1.6 | WNW | 1.61 | 4.8 | NNW | 14.9 | 15.1 | 15.1 | 755.0 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 7/11/03 | 5:00 | 14.7 | 15.1 | 14.4 | 98 | 14.4 | 0.0 | W | 0.00 | 4.8 | NE | 14.7 | 14.8 | 14.8 | 755.5 | 0.0 | 0.0 | 3 | 0.26 | 14 | 0.0 |
| 7/11/03 | 6:00 | 14.9 | 16.7 | 14.0 | 98 | 14.6 | 1.6 | W | 1.61 | 3.2 | W | 14.9 | 15.1 | 15.1 | 756.1 | 0.0 | 0.0 | 82 | 7.05 | 157 | 0.3 |
| 7/11/03 | 7:00 | 19.4 | 21.7 | 16.7 | 75 | 14.9 | 1.6 | W | 1.61 | 9.7 | NE | 19.4 | 19.9 | 19.9 | 756.4 | 0.0 | 0.0 | 262 | 22.53 | 361 | 1.1 |
| 7/11/03 | 8:00 | 22.6 | 23.7 | 21.7 | 68 | 16.4 | 8.0 | E | 8.05 | 16.1 | ENE | 22.6 | 23.0 | 22.5 | 756.4 | 0.0 | 0.0 | 450 | 38.71 | 533 | 2.8 |
| 7/11/03 | 9:00 | 24.5 | 25.5 | 23.7 | 63 | 17.0 | 9.7 | E | 9.66 | 20.9 | NE | 24.5 | 24.8 | 24.0 | 756.2 | 0.0 | 0.0 | 612 | 52.64 | 684 | 5.2 |
| 7/11/03 | 10:00 | 26.4 | 27.6 | 25.5 | 62 | 18.6 | 9.7 | E | 9.66 | 20.9 | E | 26.4 | 27.6 | 26.9 | 755.8 | 0.0 | 0.0 | 740 | 63.65 | 781 | 8.2 |
| 7/11/03 | 11:00 | 28.4 | 29.4 | 27.6 | 54 | 18.2 | 6.4 | E | 6.44 | 19.3 | ESE | 28.4 | 29.6 | 29.6 | 755.3 | 0.0 | 0.0 | 810 | 69.67 | 830 | 10.2 |
| 7/11/03 | 12:00 | 29.8 | 30.6 | 29.2 | 46 | 17.0 | 4.8 | ENE | 4.83 | 16.1 | E | 29.8 | 30.4 | 30.4 | 754.5 | 0.0 | 0.0 | 847 | 72.85 | 910 | 10.6 |
| 7/11/03 | 13:00 | 31.4 | 32.3 | 30.3 | 33 | 13.2 | 6.4 | NW | 6.44 | 20.9 | WNW | 31.4 | 30.8 | 30.8 | 753.7 | 0.0 | 0.0 | 756 | 65.02 | 864 | 9.2 |
| 7/11/03 | 14:00 | 32.1 | 32.8 | 31.3 | 27 | 10.8 | 6.4 | N | 6.44 | 19.3 | NE | 32.1 | 30.9 | 30.9 | 753.0 | 0.0 | 0.0 | 661 | 56.85 | 815 | 6.8 |
| 7/11/03 | 15:00 | 33.1 | 34.3 | 31.7 | 25 | 10.4 | 4.8 | N | 4.83 | 19.3 | SSW | 33.1 | 32.0 | 32.0 | 752.4 | 0.0 | 0.0 | 487 | 41.89 | 669 | 4.1 |
| 7/11/03 | 16:00 | 31.9 | 33.2 | 31.6 | 35 | 14.6 | 6.4 | SSE | 6.44 | 19.3 | S | 31.9 | 31.9 | 31.9 | 752.1 | 0.0 | 0.0 | 377 | 32.43 | 489 | 2.2 |
| 7/11/03 | 17:00 | 30.8 | 31.9 | 29.2 | 52 | 19.8 | 1.6 | ESE | 1.61 | 8.0 | ENE | 30.8 | 32.9 | 32.9 | 752.3 | 0.0 | 0.0 | 146 | 12.56 | 266 | 0.7 |
| 7/11/03 | 18:00 | 27.8 | 29.3 | 24.6 | 65 | 20.6 | 0.0 | ESE | 0.00 | 8.0 | WSW | 27.8 | 29.7 | 29.7 | 752.8 | 0.0 | 0.0 | 20 | 1.72 | 48 | 0.1 |
| 7/11/03 | 19:00 | 24.4 | 25.6 | 22.6 | 70 | 18.6 | 1.6 | WNW | 1.61 | 8.0 | W | 24.4 | 25.4 | 25.4 | 753.1 | 0.0 | 0.0 | 0 | 0.00 | 5 | 0.0 |
| 7/11/03 | 20:00 | 22.2 | 23.2 | 20.7 | 77 | 17.9 | 0.0 | WSW | 0.00 | 4.8 | WNW | 22.2 | 22.9 | 22.9 | 753.6 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 7/11/03 | 21:00 | 20.2 | 21.1 | 19.1 | 82 | 17.0 | 3.2 | WSW | 3.22 | 8.0 | WSW | 20.2 | 21.2 | 21.2 | 754.2 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 7/11/03 | 22:00 | 17.6 | 19.2 | 16.8 | 94 | 16.6 | 0.0 | WSW | 0.00 | 3.2 | WSW | 17.6 | 17.9 | 17.9 | 754.2 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 7/11/03 | 23:00 | 16.6 | 17.0 | 16.2 | 93 | 15.5 | 0.0 | WNW | 0.00 | 3.2 | SSW | 16.6 | 16.9 | 16.9 | 753.9 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 8/11/03 | 00:00 | 16.5 | 17.0 | 15.9 | 90 | 14.9 | 3.2 | NNE | 3.22 | 12.9 | NE | 16.5 | 16.9 | 16.9 | 753.9 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |

Ivinhema 8/11/03

| Date | Time | Temp Out | Hi Temp | Low Temp | Out Hum | Dew | Wind Speed | Dir | Wind Run | Hi Speed | Hi Dir | Wind Chill | Heat Index | THW | Bar | Rain | Rain Rate | Solar Rad. | Solar Energy | Hi Solar Rad. | Solar UV |
|---------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 8/11/03 | 1:00 | 15.6 | 16.2 | 14.7 | 91 | 14.1 | 1.6 | WNW | 1.61 | 8.0 | NW | 15.6 | 15.8 | 15.8 | 753.9 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 8/11/03 | 2:00 | 15.1 | 15.3 | 14.8 | 93 | 13.9 | 1.6 | WSW | 1.61 | 3.2 | WSW | 15.1 | 15.2 | 15.2 | 753.8 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 8/11/03 | 3:00 | 14.6 | 14.8 | 14.2 | 95 | 13.8 | 1.6 | WSW | 1.61 | 4.8 | NNW | 14.6 | 14.7 | 14.7 | 754.0 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 8/11/03 | 4:00 | 14.4 | 14.6 | 14.1 | 96 | 13.8 | 0.0 | NNW | 0.00 | 3.2 | NNW | 14.4 | 14.5 | 14.5 | 754.4 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 8/11/03 | 5:00 | 14.3 | 14.8 | 14.0 | 93 | 13.2 | 1.6 | NNW | 1.61 | 3.2 | NNW | 14.3 | 14.4 | 14.4 | 755.1 | 0.0 | 0.0 | 3 | 0.26 | 14 | 0.0 |
| 8/11/03 | 6:00 | 14.9 | 16.6 | 14.2 | 96 | 14.3 | 0.0 | NNW | 0.00 | 3.2 | NNW | 14.9 | 15.0 | 15.0 | 755.9 | 0.0 | 0.0 | 99 | 8.52 | 187 | 0.3 |
| 8/11/03 | 7:00 | 19.4 | 22.1 | 16.7 | 73 | 14.4 | 0.0 | NNW | 0.00 | 3.2 | NNW | 19.4 | 19.6 | 19.6 | 756.3 | 0.0 | 0.0 | 281 | 24.17 | 377 | 1.2 |
| 8/11/03 | 8:00 | 22.9 | 23.9 | 22.1 | 65 | 16.0 | 4.8 | ENE | 4.83 | 12.9 | ENE | 22.9 | 23.4 | 23.4 | 756.5 | 0.0 | 0.0 | 467 | 40.17 | 551 | 3.0 |
| 8/11/03 | 9:00 | 25.7 | 26.7 | 23.9 | 55 | 16.0 | 6.4 | E | 6.44 | 16.1 | E | 25.7 | 26.1 | 26.1 | 756.3 | 0.0 | 0.0 | 628 | 54.02 | 697 | 5.6 |
| 8/11/03 | 10:00 | 27.7 | 28.7 | 26.6 | 49 | 16.0 | 6.4 | E | 6.44 | 16.1 | E | 27.7 | 28.4 | 28.4 | 755.9 | 0.0 | 0.0 | 752 | 64.68 | 801 | 8.3 |
| 8/11/03 | 11:00 | 29.7 | 30.6 | 28.6 | 35 | 12.6 | 8.0 | E | 8.05 | 17.7 | E | 29.7 | 29.2 | 29.0 | 755.8 | 0.0 | 0.0 | 825 | 70.96 | 841 | 10.2 |
| 8/11/03 | 12:00 | 31.4 | 32.4 | 30.4 | 29 | 11.3 | 6.4 | E | 6.44 | 16.1 | E | 31.4 | 30.3 | 30.3 | 755.1 | 0.0 | 0.0 | 840 | 72.25 | 845 | 10.9 |
| 8/11/03 | 13:00 | 32.6 | 33.2 | 32.1 | 29 | 12.2 | 6.4 | SSE | 6.44 | 20.9 | SSE | 32.6 | 31.9 | 31.9 | 754.3 | 0.0 | 0.0 | 800 | 68.81 | 834 | 9.9 |
| 8/11/03 | 14:00 | 33.2 | 33.5 | 32.5 | 23 | 9.2 | 6.4 | SSE | 6.44 | 16.1 | ESE | 33.2 | 31.7 | 31.7 | 753.6 | 0.0 | 0.0 | 702 | 60.38 | 757 | 7.5 |
| 8/11/03 | 15:00 | 33.3 | 33.5 | 33.0 | 27 | 11.7 | 6.4 | SE | 6.44 | 16.1 | SSE | 33.3 | 32.7 | 32.7 | 753.1 | 0.0 | 0.0 | 558 | 47.99 | 637 | 4.7 |
| 8/11/03 | 16:00 | 33.1 | 33.4 | 32.9 | 29 | 12.7 | 4.8 | ESE | 4.83 | 16.1 | SSE | 33.1 | 32.8 | 32.8 | 753.0 | 0.0 | 0.0 | 383 | 32.94 | 472 | 2.3 |
| 8/11/03 | 17:00 | 32.0 | 32.9 | 31.0 | 37 | 15.5 | 3.2 | E | 3.22 | 9.7 | E | 32.0 | 32.3 | 32.3 | 753.1 | 0.0 | 0.0 | 197 | 16.94 | 289 | 0.8 |
| 8/11/03 | 18:00 | 29.4 | 31.0 | 27.7 | 46 | 16.6 | 0.0 | E | 0.00 | 3.2 | E | 29.4 | 30.0 | 30.0 | 753.3 | 0.0 | 0.0 | 40 | 3.44 | 107 | 0.1 |
| 8/11/03 | 19:00 | 26.6 | 27.8 | 25.2 | 58 | 17.7 | 0.0 | ESE | 0.00 | 4.8 | ESE | 26.6 | 27.4 | 27.4 | 753.5 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 8/11/03 | 20:00 | 24.8 | 25.3 | 24.5 | 58 | 16.0 | 0.0 | ESE | 0.00 | 1.6 | ESE | 24.8 | 24.8 | 24.8 | 753.7 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 8/11/03 | 21:00 | 22.1 | 24.5 | 19.2 | 78 | 18.1 | 0.0 | NE | 0.00 | 4.8 | NE | 22.1 | 22.9 | 22.9 | 754.2 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 8/11/03 | 22:00 | 17.8 | 19.2 | 17.4 | 84 | 15.1 | 1.6 | SW | 1.61 | 8.0 | SW | 17.8 | 18.4 | 18.4 | 754.6 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 8/11/03 | 23:00 | 18.4 | 21.1 | 15.9 | 89 | 16.5 | 1.6 | WNW | 1.61 | 11.3 | WNW | 18.4 | 19.1 | 19.1 | 754.3 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 9/11/03 | 00:00 | 16.4 | 17.1 | 16.1 | 82 | 13.4 | 3.2 | N | 3.22 | 17.7 | N | 16.4 | 16.8 | 16.7 | 754.1 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |

Ivinhema 9/11/03

| Date | Time | Temp Out | Hi Temp | Low Temp | Out Hum | Dew | Wind Speed | Dir | Wind Run | Hi Speed | Hi Dir | Wind Chill | Heat Index | THW | Bar | Rain | Rain Rate | Solar Rad. | Solar Energy | Hi Solar Rad. | Solar Rad. | UV |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|---------------|------|
| 9/11/03 | 1:00 | 15.8 | 17.0 | 14.9 | 86 | 13.4 | 1.6 | SW | 1.61 | 8.0 | WSW | 15.8 | 16.0 | 16.0 | 754.0 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 | 0.0 |
| 9/11/03 | 2:00 | 16.0 | 17.1 | 14.1 | 93 | 14.9 | 0.0 | SW | 0.00 | 3.2 | SW | 16.0 | 16.2 | 16.2 | 753.9 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 | 0.0 |
| 9/11/03 | 3:00 | 14.1 | 14.5 | 13.8 | 96 | 13.4 | 0.0 | NNW | 0.00 | 3.2 | NNW | 14.1 | 14.2 | 14.2 | 754.5 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 | 0.0 |
| 9/11/03 | 4:00 | 13.8 | 14.2 | 13.0 | 97 | 13.4 | 1.6 | NNW | 1.61 | 4.8 | NNW | 13.8 | 13.9 | 13.9 | 755.1 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 | 0.0 |
| 9/11/03 | 5:00 | 12.4 | 13.0 | 12.2 | 97 | 12.0 | 1.6 | W | 1.61 | 4.8 | NW | 12.4 | 12.6 | 12.6 | 755.9 | 0.0 | 0.0 | 3 | 0.26 | 16 | 0.0 | 0.0 |
| 9/11/03 | 6:00 | 14.3 | 17.3 | 12.2 | 99 | 14.1 | 0.0 | W | 0.00 | 3.2 | W | 14.3 | 14.5 | 14.5 | 756.5 | 0.0 | 0.0 | 101 | 8.69 | 185 | 0.3 | 0.3 |
| 9/11/03 | 7:00 | 19.7 | 22.4 | 17.3 | 79 | 16.0 | 0.0 | NW | 0.00 | 4.8 | NW | 19.7 | 20.6 | 20.6 | 757.0 | 0.0 | 0.0 | 286 | 24.60 | 384 | 1.3 | 1.3 |
| 9/11/03 | 8:00 | 24.6 | 26.2 | 22.4 | 62 | 16.8 | 1.6 | E | 1.61 | 9.7 | NNE | 24.6 | 24.8 | 24.8 | 756.9 | 0.0 | 0.0 | 475 | 40.86 | 561 | 3.1 | 3.1 |
| 9/11/03 | 9:00 | 27.1 | 27.8 | 26.2 | 49 | 15.5 | 8.0 | E | 8.05 | 16.1 | ESE | 27.1 | 27.3 | 27.0 | 757.0 | 0.0 | 0.0 | 626 | 53.84 | 732 | 5.8 | 5.8 |
| 9/11/03 | 10:00 | 29.4 | 30.9 | 27.8 | 42 | 15.1 | 8.0 | E | 8.05 | 22.5 | NNE | 29.4 | 29.6 | 29.4 | 756.7 | 0.0 | 0.0 | 735 | 63.22 | 788 | 8.4 | 8.4 |
| 9/11/03 | 11:00 | 31.6 | 32.5 | 30.8 | 40 | 16.4 | 8.0 | E | 8.05 | 22.5 | NE | 31.6 | 32.2 | 32.1 | 756.2 | 0.0 | 0.0 | 818 | 70.36 | 846 | 10.4 | 10.4 |
| 9/11/03 | 12:00 | 33.1 | 34.2 | 32.4 | 28 | 12.2 | 6.4 | E | 6.44 | 16.1 | E | 33.1 | 32.7 | 32.7 | 755.6 | 0.0 | 0.0 | 842 | 72.42 | 850 | 11.0 | 11.0 |
| 9/11/03 | 13:00 | 34.1 | 34.4 | 33.7 | 28 | 13.0 | 6.4 | E | 6.44 | 16.1 | ENE | 34.1 | 33.7 | 33.7 | 755.1 | 0.0 | 0.0 | 798 | 68.64 | 829 | 9.9 | 9.9 |
| 9/11/03 | 14:00 | 34.6 | 34.8 | 34.3 | 22 | 9.8 | 6.4 | SSE | 6.44 | 16.1 | SE | 34.6 | 33.0 | 33.0 | 754.7 | 0.0 | 0.0 | 702 | 60.38 | 760 | 7.6 | 7.6 |
| 9/11/03 | 15:00 | 34.7 | 34.9 | 34.4 | 26 | 12.4 | 3.2 | ESE | 3.22 | 12.9 | SSE | 34.7 | 33.9 | 33.9 | 754.1 | 0.0 | 0.0 | 562 | 48.34 | 639 | 4.8 | 4.8 |
| 9/11/03 | 16:00 | 34.6 | 34.8 | 34.2 | 28 | 13.4 | 3.2 | ESE | 3.22 | 9.7 | E | 34.6 | 34.2 | 34.2 | 754.1 | 0.0 | 0.0 | 378 | 32.51 | 479 | 2.3 | 2.3 |
| 9/11/03 | 17:00 | 33.7 | 34.3 | 32.1 | 47 | 20.8 | 1.6 | ESE | 1.61 | 4.8 | ESE | 33.7 | 36.8 | 36.8 | 754.4 | 0.0 | 0.0 | 205 | 17.63 | 304 | 0.8 | 0.8 |
| 9/11/03 | 18:00 | 30.6 | 32.1 | 29.1 | 52 | 19.6 | 0.0 | SE | 0.00 | 3.2 | SE | 30.6 | 32.5 | 32.5 | 754.9 | 0.0 | 0.0 | 42 | 3.61 | 113 | 0.1 | 0.1 |
| 9/11/03 | 19:00 | 26.2 | 29.1 | 23.8 | 63 | 18.6 | 0.0 | E | 0.00 | 3.2 | SSE | 26.2 | 27.3 | 27.3 | 755.5 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 | 0.0 |
| 9/11/03 | 20:00 | 23.5 | 24.5 | 21.3 | 82 | 20.2 | 0.0 | --- | 0.00 | 0.0 | --- | 23.5 | 24.6 | 24.6 | 755.5 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 | 0.0 |
| 9/11/03 | 21:00 | 20.6 | 21.7 | 18.4 | 80 | 17.0 | 1.6 | NNW | 1.61 | 4.8 | N | 20.6 | 21.6 | 21.6 | 755.8 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 | 0.0 |
| 9/11/03 | 22:00 | 18.1 | 18.4 | 17.8 | 89 | 16.2 | 0.0 | WNW | 0.00 | 4.8 | WNW | 18.1 | 18.7 | 18.7 | 755.8 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 | 0.0 |
| 9/11/03 | 23:00 | 17.8 | 18.6 | 16.7 | 81 | 14.5 | 1.6 | NNW | 1.61 | 22.5 | SW | 17.8 | 18.4 | 18.4 | 755.6 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 | 0.0 |
| 10/11/03 | 00:00 | 17.6 | 18.2 | 17.3 | 81 | 14.3 | 0.0 | NNW | 0.00 | 4.8 | NNW | 17.6 | 18.1 | 18.1 | 755.0 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 | 0.0 |

Ivinhema 10/11/03

| Date | Time | Temp Out | Hi Temp | Low Temp | Out Hum | Dew | Wind Speed | Dir | Wind Run | Hi Speed | Hi Dir | Wind Chill | Heat Index | THW | Bar | Rain | Rain Rate | Solar Rad. | Solar Energy | Hi Solar Rad. | Solar UV |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 10/11/03 | 1:00 | 17.1 | 17.9 | 16.7 | 82 | 14.0 | 1.6 | N | 1.61 | 8.0 | N | 17.1 | 17.5 | 17.5 | 755.0 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 10/11/03 | 2:00 | 17.0 | 17.4 | 16.4 | 81 | 13.7 | 0.0 | N | 0.00 | 8.0 | W | 17.0 | 17.4 | 17.4 | 755.3 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 10/11/03 | 3:00 | 16.2 | 17.2 | 15.0 | 90 | 14.5 | 0.0 | W | 0.00 | 3.2 | W | 16.2 | 16.5 | 16.5 | 755.3 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 10/11/03 | 4:00 | 14.2 | 15.7 | 13.4 | 95 | 13.4 | 1.6 | WSW | 1.61 | 8.0 | W | 14.2 | 14.3 | 14.3 | 755.8 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 10/11/03 | 5:00 | 14.3 | 14.9 | 13.7 | 95 | 13.5 | 0.0 | W | 0.00 | 4.8 | W | 14.3 | 14.4 | 14.4 | 756.3 | 0.0 | 0.0 | 3 | 0.26 | 18 | 0.0 |
| 10/11/03 | 6:00 | 15.3 | 17.6 | 13.6 | 93 | 14.2 | 1.6 | NW | 1.61 | 9.7 | WNW | 15.3 | 15.4 | 15.4 | 757.2 | 0.0 | 0.0 | 101 | 8.69 | 185 | 0.3 |
| 10/11/03 | 7:00 | 20.6 | 23.6 | 17.6 | 73 | 15.5 | 1.6 | WNW | 1.61 | 8.0 | WNW | 20.6 | 20.8 | 20.8 | 757.6 | 0.0 | 0.0 | 276 | 23.74 | 377 | 1.2 |
| 10/11/03 | 8:00 | 25.3 | 26.6 | 23.6 | 53 | 15.1 | 3.2 | NE | 3.22 | 9.7 | NE | 25.3 | 25.4 | 25.4 | 757.9 | 0.0 | 0.0 | 442 | 38.02 | 567 | 2.8 |
| 10/11/03 | 9:00 | 28.1 | 29.4 | 26.6 | 46 | 15.4 | 3.2 | E | 3.22 | 9.7 | ENE | 28.1 | 28.6 | 28.6 | 757.8 | 0.0 | 0.0 | 584 | 50.23 | 684 | 5.1 |
| 10/11/03 | 10:00 | 30.4 | 31.3 | 29.2 | 40 | 15.3 | 6.4 | E | 6.44 | 11.3 | E | 30.4 | 30.4 | 30.4 | 757.6 | 0.0 | 0.0 | 671 | 57.71 | 852 | 6.9 |
| 10/11/03 | 11:00 | 32.7 | 33.5 | 31.2 | 36 | 15.7 | 6.4 | E | 6.44 | 16.1 | NE | 32.7 | 33.2 | 33.2 | 757.0 | 0.0 | 0.0 | 599 | 51.52 | 959 | 8.1 |
| 10/11/03 | 12:00 | 33.8 | 34.4 | 33.0 | 34 | 15.8 | 6.4 | E | 6.44 | 16.1 | ENE | 33.8 | 34.6 | 34.6 | 756.2 | 0.0 | 0.0 | 675 | 58.06 | 1050 | 8.7 |
| 10/11/03 | 13:00 | 35.5 | 36.7 | 34.4 | 24 | 11.8 | 4.8 | ENE | 4.83 | 12.9 | NW | 35.5 | 34.8 | 34.8 | 755.6 | 0.0 | 0.0 | 720 | 61.93 | 848 | 8.2 |
| 10/11/03 | 14:00 | 36.7 | 37.2 | 36.4 | 25 | 13.5 | 3.2 | NE | 3.22 | 11.3 | NNW | 36.7 | 36.7 | 36.7 | 754.9 | 0.0 | 0.0 | 637 | 54.79 | 771 | 6.4 |
| 10/11/03 | 15:00 | 36.5 | 36.9 | 35.7 | 33 | 17.6 | 4.8 | SSE | 4.83 | 11.3 | N | 36.5 | 38.2 | 38.2 | 754.4 | 0.0 | 0.0 | 526 | 45.24 | 646 | 4.2 |
| 10/11/03 | 16:00 | 35.4 | 35.7 | 35.2 | 36 | 18.0 | 4.8 | SSE | 4.83 | 12.9 | SSE | 35.4 | 37.0 | 37.0 | 754.0 | 0.0 | 0.0 | 359 | 30.88 | 473 | 2.1 |
| 10/11/03 | 17:00 | 34.7 | 35.5 | 34.0 | 45 | 21.0 | 1.6 | ESE | 1.61 | 8.0 | ESE | 34.7 | 38.1 | 38.1 | 754.0 | 0.0 | 0.0 | 190 | 16.34 | 282 | 0.8 |
| 10/11/03 | 18:00 | 32.5 | 34.0 | 30.3 | 57 | 22.9 | 0.0 | ESE | 0.00 | 1.6 | ESE | 32.5 | 37.3 | 37.3 | 753.8 | 0.0 | 0.0 | 38 | 3.27 | 102 | 0.1 |
| 10/11/03 | 19:00 | 27.7 | 30.3 | 25.8 | 74 | 22.7 | 0.0 | --- | 0.00 | 0.0 | --- | 27.7 | 30.8 | 30.8 | 754.1 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 10/11/03 | 20:00 | 24.4 | 25.8 | 22.7 | 79 | 20.5 | 0.0 | NE | 0.00 | 11.3 | NE | 24.4 | 25.7 | 25.7 | 754.4 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 10/11/03 | 21:00 | 22.7 | 23.2 | 21.8 | 83 | 19.6 | 1.6 | NNE | 1.61 | 8.0 | NNE | 22.7 | 23.7 | 23.7 | 754.9 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 10/11/03 | 22:00 | 20.6 | 21.8 | 19.5 | 88 | 18.5 | 1.6 | NW | 1.61 | 4.8 | NW | 20.6 | 21.6 | 21.6 | 755.3 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 10/11/03 | 23:00 | 19.6 | 20.1 | 19.3 | 85 | 17.0 | 0.0 | --- | 0.00 | 0.0 | --- | 19.6 | 20.6 | 20.6 | 755.2 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 11/11/03 | 00:00 | 19.8 | 20.5 | 19.4 | 84 | 17.0 | 0.0 | N | 0.00 | 4.8 | NNE | 19.8 | 20.8 | 20.8 | 754.8 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |

Ivinhema 11/11/03

| Date | Time | Temp Out | Hi Temp | Low Temp | Out Hum | Dew | Wind Speed | Dir | Wind Run | Hi Speed | Hi Dir | Wind Chill | Heat Index | THW | Bar | Rain | Rain Rate | Solar Rad. | Solar Energy | Hi Solar Rad. | Solar UV |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 11/11/03 | 1:00 | 20.4 | 20.7 | 19.6 | 85 | 17.8 | 0.0 | NNE | 0.00 | 3.2 | NNE | 20.4 | 21.4 | 21.4 | 754.4 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 11/11/03 | 2:00 | 18.9 | 19.8 | 17.8 | 91 | 17.4 | 1.6 | NNE | 1.61 | 4.8 | NNE | 18.9 | 19.7 | 19.7 | 754.4 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 11/11/03 | 3:00 | 17.8 | 19.5 | 16.3 | 97 | 17.4 | 1.6 | N | 1.61 | 11.3 | E | 17.8 | 18.3 | 18.3 | 754.8 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 11/11/03 | 4:00 | 17.2 | 18.4 | 15.8 | 95 | 16.4 | 0.0 | NE | 0.00 | 4.8 | NE | 17.2 | 17.5 | 17.5 | 754.7 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 11/11/03 | 5:00 | 15.8 | 16.4 | 15.2 | 99 | 15.7 | 0.0 | NNE | 0.00 | 3.2 | NNE | 15.8 | 16.1 | 16.1 | 755.2 | 0.0 | 0.0 | 3 | 0.26 | 16 | 0.0 |
| 11/11/03 | 6:00 | 15.8 | 17.9 | 14.7 | 100 | 15.8 | 1.6 | WSW | 1.61 | 8.0 | WSW | 15.8 | 16.1 | 16.1 | 755.9 | 0.0 | 0.0 | 89 | 7.65 | 172 | 0.3 |
| 11/11/03 | 7:00 | 21.1 | 24.3 | 17.9 | 69 | 15.1 | 1.6 | W | 1.61 | 16.1 | NE | 21.1 | 21.1 | 21.1 | 756.1 | 0.0 | 0.0 | 270 | 23.22 | 362 | 1.2 |
| 11/11/03 | 8:00 | 26.3 | 28.0 | 24.3 | 54 | 16.3 | 11.3 | NE | 11.27 | 22.5 | ENE | 26.3 | 26.7 | 25.9 | 756.1 | 0.0 | 0.0 | 449 | 38.62 | 533 | 2.9 |
| 11/11/03 | 9:00 | 29.1 | 30.2 | 28.0 | 49 | 17.3 | 16.1 | ENE | 16.09 | 33.8 | E | 29.1 | 29.9 | 28.9 | 756.1 | 0.0 | 0.0 | 606 | 52.12 | 676 | 5.3 |
| 11/11/03 | 10:00 | 30.6 | 32.2 | 29.7 | 41 | 15.8 | 16.1 | E | 16.09 | 27.4 | NE | 30.6 | 30.7 | 29.9 | 755.8 | 0.0 | 0.0 | 727 | 62.53 | 771 | 8.0 |
| 11/11/03 | 11:00 | 32.9 | 33.7 | 32.1 | 34 | 15.0 | 17.7 | ENE | 17.70 | 30.6 | ENE | 32.9 | 33.3 | 32.7 | 755.2 | 0.0 | 0.0 | 799 | 68.72 | 816 | 9.9 |
| 11/11/03 | 12:00 | 34.0 | 34.6 | 33.2 | 37 | 17.3 | 16.1 | ENE | 16.09 | 29.0 | ENE | 34.0 | 35.3 | 35.0 | 754.4 | 0.0 | 0.0 | 816 | 70.19 | 820 | 10.5 |
| 11/11/03 | 13:00 | 34.9 | 35.6 | 34.4 | 35 | 17.2 | 12.9 | E | 12.87 | 27.4 | NE | 34.9 | 35.9 | 35.9 | 753.5 | 0.0 | 0.0 | 777 | 66.83 | 806 | 9.5 |
| 11/11/03 | 14:00 | 35.8 | 36.3 | 35.5 | 32 | 16.6 | 11.3 | E | 11.27 | 22.5 | E | 35.8 | 37.0 | 37.0 | 752.8 | 0.0 | 0.0 | 676 | 58.14 | 737 | 7.0 |
| 11/11/03 | 15:00 | 36.2 | 36.4 | 35.9 | 32 | 16.9 | 8.0 | E | 8.05 | 17.7 | ENE | 36.2 | 37.7 | 37.7 | 752.0 | 0.0 | 0.0 | 533 | 45.84 | 609 | 4.2 |
| 11/11/03 | 16:00 | 36.1 | 36.4 | 35.9 | 34 | 17.8 | 6.4 | E | 6.44 | 12.9 | SSE | 36.1 | 37.9 | 37.9 | 751.6 | 0.0 | 0.0 | 362 | 31.14 | 449 | 2.0 |
| 11/11/03 | 17:00 | 35.1 | 35.9 | 34.0 | 41 | 19.8 | 3.2 | E | 3.22 | 11.3 | ENE | 35.1 | 37.4 | 37.4 | 751.5 | 0.0 | 0.0 | 185 | 15.91 | 273 | 0.7 |
| 11/11/03 | 18:00 | 32.7 | 34.0 | 31.4 | 45 | 19.2 | 1.6 | E | 1.61 | 4.8 | E | 32.7 | 34.7 | 34.7 | 751.6 | 0.0 | 0.0 | 38 | 3.27 | 99 | 0.1 |
| 11/11/03 | 19:00 | 30.2 | 31.4 | 29.4 | 50 | 18.6 | 1.6 | ENE | 1.61 | 8.0 | ENE | 30.2 | 31.4 | 31.4 | 752.0 | 0.0 | 0.0 | 0 | 0.00 | 5 | 0.0 |
| 11/11/03 | 20:00 | 27.0 | 29.6 | 25.3 | 66 | 20.1 | 1.6 | ENE | 1.61 | 8.0 | NNE | 27.0 | 28.6 | 28.6 | 752.4 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 11/11/03 | 21:00 | 26.1 | 26.4 | 25.5 | 62 | 18.2 | 1.6 | NNE | 1.61 | 4.8 | NNE | 26.1 | 27.1 | 27.1 | 752.7 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 11/11/03 | 22:00 | 25.7 | 26.4 | 22.4 | 78 | 21.5 | 3.2 | ENE | 3.22 | 9.7 | NNE | 25.7 | 27.5 | 27.5 | 752.3 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 11/11/03 | 23:00 | 22.1 | 23.1 | 21.1 | 80 | 18.5 | 3.2 | NNE | 3.22 | 9.7 | NE | 22.1 | 23.1 | 23.1 | 752.3 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 12/11/03 | 00:00 | 23.1 | 24.2 | 20.4 | 65 | 16.1 | 6.4 | ENE | 6.44 | 22.5 | N | 23.1 | 23.5 | 23.5 | 752.3 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |

Ivinhema 12/11/03

| Date | Time | Temp Out | Hi Temp | Low Temp | Out Hum | Dew | Wind Speed | Dir | Wind Run | Hi Speed | Hi Dir | Wind Chill | Heat Index | THW | Bar | Rain | Rain Rate | Solar Rad. | Solar Energy | Hi Solar Rad. | Solar UV |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 12/11/03 | 1:00 | 23.5 | 24.1 | 22.0 | 71 | 17.9 | 3.2 | ENE | 3.22 | 8.0 | ENE | 23.5 | 24.5 | 24.5 | 751.7 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 12/11/03 | 2:00 | 22.2 | 22.7 | 21.7 | 73 | 17.1 | 3.2 | NE | 3.22 | 9.7 | NE | 22.2 | 22.7 | 22.7 | 751.4 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 12/11/03 | 3:00 | 21.9 | 22.6 | 21.1 | 74 | 17.1 | 3.2 | NE | 3.22 | 9.7 | E | 21.9 | 22.4 | 22.4 | 751.1 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 12/11/03 | 4:00 | 22.0 | 22.6 | 21.4 | 78 | 18.0 | 4.8 | NE | 4.83 | 11.3 | ENE | 22.0 | 22.8 | 22.8 | 751.1 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 12/11/03 | 5:00 | 20.4 | 21.8 | 19.5 | 80 | 16.8 | 1.6 | NE | 1.61 | 9.7 | ENE | 20.4 | 21.4 | 21.4 | 751.8 | 0.0 | 0.0 | 4 | 0.34 | 16 | 0.0 |
| 12/11/03 | 6:00 | 23.4 | 24.8 | 21.8 | 68 | 17.2 | 6.4 | ENE | 6.44 | 16.1 | NE | 23.4 | 24.2 | 24.2 | 753.3 | 0.0 | 0.0 | 85 | 7.31 | 158 | 0.3 |
| 12/11/03 | 7:00 | 26.2 | 27.3 | 24.8 | 62 | 18.4 | 8.0 | ENE | 8.05 | 19.3 | ENE | 26.2 | 27.3 | 26.9 | 753.8 | 0.0 | 0.0 | 251 | 21.59 | 341 | 1.1 |
| 12/11/03 | 8:00 | 28.7 | 30.4 | 27.3 | 55 | 18.8 | 9.7 | NE | 9.66 | 17.7 | ENE | 28.7 | 30.1 | 29.6 | 753.9 | 0.0 | 0.0 | 432 | 37.16 | 517 | 2.9 |
| 12/11/03 | 9:00 | 31.6 | 33.2 | 30.4 | 52 | 20.6 | 9.7 | N | 9.66 | 27.4 | NNW | 31.6 | 34.6 | 34.3 | 753.7 | 0.0 | 0.0 | 586 | 50.40 | 658 | 5.3 |
| 12/11/03 | 10:00 | 34.1 | 34.8 | 33.1 | 46 | 20.8 | 17.7 | NNW | 17.70 | 33.8 | NW | 34.1 | 37.3 | 37.0 | 753.7 | 0.0 | 0.0 | 720 | 61.93 | 802 | 8.0 |
| 12/11/03 | 11:00 | 35.7 | 36.7 | 34.7 | 35 | 17.8 | 17.7 | N | 17.70 | 30.6 | NNW | 35.7 | 37.3 | 37.4 | 753.3 | 0.0 | 0.0 | 807 | 69.41 | 860 | 10.0 |
| 12/11/03 | 12:00 | 36.6 | 37.2 | 35.9 | 33 | 17.7 | 19.3 | N | 19.31 | 33.8 | N | 36.6 | 38.4 | 38.7 | 752.6 | 0.0 | 0.0 | 777 | 66.83 | 970 | 9.7 |
| 12/11/03 | 13:00 | 37.2 | 37.4 | 36.9 | 32 | 17.8 | 22.5 | N | 22.53 | 40.2 | N | 37.2 | 39.1 | 39.8 | 751.7 | 0.0 | 0.0 | 785 | 67.52 | 880 | 9.7 |
| 12/11/03 | 14:00 | 37.6 | 37.9 | 37.3 | 31 | 17.6 | 19.3 | N | 19.31 | 38.6 | N | 37.6 | 39.6 | 40.1 | 750.9 | 0.0 | 0.0 | 685 | 58.92 | 732 | 7.2 |
| 12/11/03 | 15:00 | 37.7 | 38.0 | 37.3 | 33 | 18.6 | 19.3 | N | 19.31 | 35.4 | N | 37.7 | 40.4 | 41.0 | 750.1 | 0.0 | 0.0 | 555 | 47.74 | 628 | 4.4 |
| 12/11/03 | 16:00 | 37.2 | 37.9 | 36.7 | 31 | 17.3 | 17.7 | N | 17.70 | 33.8 | N | 37.2 | 38.8 | 39.2 | 749.9 | 0.0 | 0.0 | 379 | 32.60 | 486 | 2.2 |
| 12/11/03 | 17:00 | 36.2 | 37.2 | 35.2 | 37 | 19.2 | 12.9 | N | 12.87 | 29.0 | N | 36.2 | 38.8 | 38.8 | 750.3 | 0.0 | 0.0 | 180 | 15.48 | 315 | 0.8 |
| 12/11/03 | 18:00 | 33.3 | 35.2 | 30.9 | 49 | 21.1 | 6.4 | N | 6.44 | 16.1 | NNW | 33.3 | 36.4 | 36.4 | 750.9 | 0.0 | 0.0 | 29 | 2.49 | 107 | 0.1 |
| 12/11/03 | 19:00 | 30.2 | 30.9 | 29.7 | 52 | 19.2 | 8.0 | N | 8.05 | 16.1 | N | 30.2 | 31.7 | 31.5 | 751.2 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 12/11/03 | 20:00 | 28.1 | 29.9 | 26.0 | 69 | 21.8 | 6.4 | N | 6.44 | 12.9 | N | 28.1 | 30.9 | 30.9 | 751.8 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 12/11/03 | 21:00 | 26.4 | 27.4 | 25.7 | 71 | 20.8 | 6.4 | N | 6.44 | 17.7 | NE | 26.4 | 28.0 | 28.0 | 751.5 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 12/11/03 | 22:00 | 24.9 | 25.7 | 24.4 | 78 | 20.8 | 4.8 | NNE | 4.83 | 11.3 | NE | 24.9 | 26.6 | 26.6 | 752.3 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 12/11/03 | 23:00 | 25.2 | 25.6 | 24.5 | 77 | 20.8 | 6.4 | N | 6.44 | 11.3 | NNE | 25.2 | 26.9 | 26.9 | 752.3 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 13/11/03 | 00:00 | 24.9 | 25.3 | 24.3 | 76 | 20.4 | 8.0 | N | 8.05 | 38.6 | SW | 24.9 | 26.4 | 26.0 | 753.3 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |

Ivinhema 13/11/03

| Date | Time | Temp Out | Hi Temp | Low Temp | Out Hum | Dew | Wind Speed | Dir | Wind Run | Hi Speed | Hi Dir | Wind Chill | Heat Index | THW | Bar | Rain | Rain Rate | Solar Rad. | Solar Energy | Hi Solar Rad. | Solar UV |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 13/11/03 | 1:00 | 22.9 | 26.7 | 20.2 | 97 | 22.4 | 32.2 | SW | 32.19 | 77.2 | WSW | 22.9 | 24.7 | 20.9 | 754.4 | 8.6 | 52.4 | 0 | 0.00 | 0 | 0.0 |
| 13/11/03 | 2:00 | 19.9 | 20.2 | 19.7 | 99 | 19.7 | 8.0 | SW | 8.05 | 20.9 | SSW | 19.9 | 20.8 | 20.1 | 754.7 | 6.4 | 27.6 | 0 | 0.00 | 0 | 0.0 |
| 13/11/03 | 3:00 | 19.9 | 20.2 | 19.7 | 96 | 19.3 | 1.6 | ENE | 1.61 | 8.0 | ENE | 19.9 | 20.9 | 20.9 | 754.3 | 1.0 | 2.2 | 0 | 0.00 | 0 | 0.0 |
| 13/11/03 | 4:00 | 20.1 | 20.4 | 19.9 | 100 | 20.1 | 3.2 | NE | 3.22 | 19.3 | E | 20.1 | 21.2 | 21.2 | 754.4 | 2.0 | 6.2 | 0 | 0.00 | 0 | 0.0 |
| 13/11/03 | 5:00 | 20.0 | 20.4 | 19.9 | 99 | 19.8 | 1.6 | NNW | 1.61 | 9.7 | NW | 20.0 | 21.0 | 21.0 | 755.5 | 0.2 | 1.0 | 0 | 0.00 | 0 | 0.0 |
| 13/11/03 | 6:00 | 20.1 | 20.2 | 19.9 | 99 | 19.9 | 1.6 | N | 1.61 | 4.8 | N | 20.1 | 21.2 | 21.2 | 756.4 | 0.0 | 0.0 | 9 | 0.77 | 16 | 0.0 |
| 13/11/03 | 7:00 | 20.8 | 21.6 | 20.2 | 96 | 20.2 | 3.2 | N | 3.22 | 12.9 | WSW | 20.8 | 22.3 | 22.3 | 756.8 | 0.0 | 0.0 | 42 | 3.61 | 72 | 0.3 |
| 13/11/03 | 8:00 | 22.1 | 22.6 | 21.6 | 88 | 20.0 | 12.9 | WSW | 12.87 | 27.4 | WSW | 22.1 | 23.1 | 21.4 | 757.3 | 0.0 | 0.0 | 126 | 10.84 | 299 | 1.2 |
| 13/11/03 | 9:00 | 22.3 | 22.9 | 21.6 | 85 | 19.7 | 17.7 | WSW | 17.70 | 33.8 | W | 22.3 | 23.3 | 20.9 | 757.5 | 0.0 | 0.0 | 202 | 17.37 | 364 | 2.2 |
| 13/11/03 | 10:00 | 24.1 | 25.2 | 22.4 | 71 | 18.5 | 19.3 | WSW | 19.31 | 30.6 | W | 24.1 | 25.1 | 22.7 | 757.4 | 0.0 | 0.0 | 503 | 43.26 | 998 | 7.0 |
| 13/11/03 | 11:00 | 25.9 | 27.3 | 24.7 | 65 | 18.8 | 19.3 | SW | 19.31 | 33.8 | SSW | 25.9 | 26.8 | 24.9 | 757.0 | 0.0 | 0.0 | 714 | 61.41 | 1075 | 9.4 |
| 13/11/03 | 12:00 | 27.5 | 28.6 | 26.6 | 54 | 17.4 | 17.7 | SW | 17.70 | 32.2 | SW | 27.5 | 28.2 | 26.7 | 756.7 | 0.0 | 0.0 | 869 | 74.74 | 968 | 11.7 |
| 13/11/03 | 13:00 | 28.9 | 29.6 | 28.1 | 41 | 14.4 | 16.1 | WSW | 16.09 | 29.0 | WSW | 28.9 | 29.1 | 28.0 | 756.5 | 0.0 | 0.0 | 807 | 69.41 | 845 | 10.7 |
| 13/11/03 | 14:00 | 29.6 | 30.2 | 29.1 | 42 | 15.3 | 19.3 | SW | 19.31 | 35.4 | SW | 29.6 | 29.8 | 28.5 | 756.1 | 0.0 | 0.0 | 713 | 61.33 | 769 | 8.2 |
| 13/11/03 | 15:00 | 29.0 | 29.5 | 28.6 | 45 | 15.9 | 19.3 | SSW | 19.31 | 35.4 | SSW | 29.0 | 29.5 | 28.1 | 755.8 | 0.0 | 0.0 | 573 | 49.28 | 649 | 5.2 |
| 13/11/03 | 16:00 | 28.6 | 29.4 | 27.9 | 46 | 15.8 | 19.3 | SW | 19.31 | 33.8 | SSW | 28.6 | 29.2 | 27.6 | 755.5 | 0.0 | 0.0 | 397 | 34.15 | 487 | 2.6 |
| 13/11/03 | 17:00 | 27.1 | 28.0 | 26.3 | 47 | 14.8 | 17.7 | SSW | 17.70 | 30.6 | SSW | 27.1 | 27.2 | 25.7 | 755.9 | 0.0 | 0.0 | 210 | 18.06 | 301 | 0.9 |
| 13/11/03 | 18:00 | 24.4 | 26.3 | 22.2 | 66 | 17.6 | 6.4 | SW | 6.44 | 19.3 | SSW | 24.4 | 25.0 | 25.0 | 756.3 | 0.0 | 0.0 | 48 | 4.13 | 121 | 0.1 |
| 13/11/03 | 19:00 | 20.9 | 22.2 | 19.9 | 76 | 16.5 | 4.8 | SW | 4.83 | 9.7 | SW | 20.9 | 21.5 | 21.5 | 756.8 | 0.0 | 0.0 | 0 | 0.00 | 5 | 0.0 |
| 13/11/03 | 20:00 | 19.1 | 19.9 | 18.7 | 77 | 14.9 | 3.2 | SW | 3.22 | 9.7 | SW | 19.1 | 19.6 | 19.6 | 757.5 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 13/11/03 | 21:00 | 17.9 | 18.7 | 17.3 | 82 | 14.8 | 1.6 | W | 1.61 | 8.0 | SW | 17.9 | 18.6 | 18.6 | 758.0 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 13/11/03 | 22:00 | 16.9 | 17.4 | 16.1 | 84 | 14.2 | 4.8 | SW | 4.83 | 8.0 | SW | 16.9 | 17.3 | 17.0 | 757.9 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 13/11/03 | 23:00 | 15.7 | 15.9 | 15.5 | 88 | 13.7 | 6.4 | SW | 6.44 | 11.3 | WSW | 15.4 | 15.9 | 15.3 | 757.6 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 14/11/03 | 00:00 | 15.7 | 15.8 | 15.4 | 91 | 14.2 | 6.4 | SW | 6.44 | 11.3 | SW | 15.4 | 15.9 | 15.3 | 757.1 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |

Ivinhema 14/11/03

| Date | Time | Temp Out | Hi Temp | Low Temp | Out Hum | Dew | Wind Speed | Dir | Wind Run | Hi Speed | Hi Dir | Wind Chill | Heat Index | THW | Bar | Rain | Rain Rate | Solar Rad. | Solar Energy | Hi Solar Rad. | Solar UV |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 14/11/03 | 1:00 | 15.6 | 15.8 | 15.2 | 90 | 13.9 | 6.4 | SW | 6.44 | 11.3 | SW | 15.2 | 15.8 | 15.1 | 757.1 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 14/11/03 | 2:00 | 14.8 | 15.2 | 14.5 | 94 | 13.9 | 4.8 | SW | 4.83 | 9.7 | SW | 14.7 | 14.9 | 14.5 | 756.9 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 14/11/03 | 3:00 | 14.2 | 14.5 | 14.0 | 94 | 13.3 | 3.2 | SW | 3.22 | 9.7 | SW | 14.2 | 14.3 | 14.2 | 756.8 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 14/11/03 | 4:00 | 13.4 | 14.0 | 12.9 | 95 | 12.7 | 1.6 | WSW | 1.61 | 4.8 | WSW | 13.4 | 13.5 | 13.5 | 757.3 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 14/11/03 | 5:00 | 12.9 | 13.2 | 12.7 | 98 | 12.6 | 0.0 | WSW | 0.00 | 3.2 | WSW | 12.9 | 13.1 | 13.1 | 757.8 | 0.0 | 0.0 | 4 | 0.34 | 16 | 0.0 |
| 14/11/03 | 6:00 | 14.4 | 16.3 | 13.1 | 91 | 12.9 | 1.6 | WSW | 1.61 | 8.0 | WSW | 14.4 | 14.6 | 14.6 | 758.5 | 0.0 | 0.0 | 103 | 8.86 | 194 | 0.3 |
| 14/11/03 | 7:00 | 18.1 | 19.9 | 16.3 | 78 | 14.2 | 6.4 | SW | 6.44 | 12.9 | SSW | 18.1 | 18.6 | 18.2 | 758.6 | 0.0 | 0.0 | 299 | 25.72 | 389 | 1.4 |
| 14/11/03 | 8:00 | 21.2 | 22.4 | 19.8 | 69 | 15.3 | 4.8 | SSE | 4.83 | 16.1 | SE | 21.2 | 21.2 | 21.2 | 758.8 | 0.0 | 0.0 | 486 | 41.80 | 568 | 3.5 |
| 14/11/03 | 9:00 | 23.5 | 24.9 | 22.3 | 63 | 16.0 | 3.2 | SSE | 3.22 | 16.1 | SSE | 23.5 | 23.8 | 23.8 | 758.7 | 0.0 | 0.0 | 632 | 54.36 | 739 | 6.2 |
| 14/11/03 | 10:00 | 25.7 | 26.6 | 24.9 | 54 | 15.7 | 4.8 | E | 4.83 | 11.3 | ENE | 25.7 | 26.0 | 26.0 | 758.5 | 0.0 | 0.0 | 759 | 65.28 | 827 | 9.0 |
| 14/11/03 | 11:00 | 28.0 | 29.2 | 26.4 | 45 | 15.0 | 4.8 | E | 4.83 | 12.9 | ENE | 28.0 | 28.4 | 28.4 | 757.7 | 0.0 | 0.0 | 807 | 69.41 | 903 | 10.8 |
| 14/11/03 | 12:00 | 29.6 | 30.2 | 29.1 | 45 | 16.4 | 4.8 | NE | 4.83 | 20.9 | NNE | 29.6 | 30.1 | 30.1 | 757.1 | 0.0 | 0.0 | 826 | 71.05 | 998 | 11.0 |
| 14/11/03 | 13:00 | 30.5 | 31.4 | 29.6 | 47 | 17.9 | 4.8 | E | 4.83 | 14.5 | NNE | 30.5 | 31.6 | 31.6 | 756.3 | 0.0 | 0.0 | 820 | 70.53 | 938 | 10.5 |
| 14/11/03 | 14:00 | 31.1 | 31.6 | 30.2 | 42 | 16.7 | 6.4 | NE | 6.44 | 19.3 | ENE | 31.1 | 31.6 | 31.6 | 755.9 | 0.0 | 0.0 | 675 | 58.06 | 818 | 7.8 |
| 14/11/03 | 15:00 | 31.3 | 32.1 | 30.7 | 44 | 17.6 | 4.8 | ENE | 4.83 | 17.7 | ENE | 31.3 | 32.4 | 32.4 | 755.3 | 0.0 | 0.0 | 594 | 51.09 | 720 | 5.1 |
| 14/11/03 | 16:00 | 31.0 | 31.4 | 30.8 | 45 | 17.7 | 6.4 | ESE | 6.44 | 17.7 | E | 31.0 | 32.1 | 32.1 | 755.0 | 0.0 | 0.0 | 395 | 33.97 | 489 | 2.5 |
| 14/11/03 | 17:00 | 30.4 | 31.2 | 29.6 | 55 | 20.4 | 4.8 | E | 4.83 | 12.9 | E | 30.4 | 32.9 | 32.9 | 755.0 | 0.0 | 0.0 | 208 | 17.89 | 299 | 0.9 |
| 14/11/03 | 18:00 | 28.4 | 29.6 | 27.4 | 62 | 20.5 | 1.6 | E | 1.61 | 8.0 | E | 28.4 | 30.3 | 30.3 | 755.1 | 0.0 | 0.0 | 45 | 3.87 | 118 | 0.1 |
| 14/11/03 | 19:00 | 26.5 | 27.4 | 25.8 | 67 | 19.9 | 0.0 | ENE | 0.00 | 3.2 | ESE | 26.5 | 27.8 | 27.8 | 755.2 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 14/11/03 | 20:00 | 25.1 | 25.8 | 24.6 | 72 | 19.7 | 0.0 | SE | 0.00 | 3.2 | NE | 25.1 | 26.3 | 26.3 | 755.7 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 14/11/03 | 21:00 | 24.4 | 24.7 | 24.2 | 70 | 18.6 | 0.0 | E | 0.00 | 4.8 | ESE | 24.4 | 25.4 | 25.4 | 755.8 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 14/11/03 | 22:00 | 23.1 | 24.2 | 21.3 | 85 | 20.4 | 1.6 | E | 1.61 | 4.8 | E | 23.1 | 24.2 | 24.2 | 756.1 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 14/11/03 | 23:00 | 19.7 | 21.3 | 19.1 | 94 | 18.7 | 0.0 | ENE | 0.00 | 3.2 | ENE | 19.7 | 20.5 | 20.5 | 756.1 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 15/11/03 | 00:00 | 18.9 | 19.1 | 18.8 | 96 | 18.2 | 0.0 | ENE | 0.00 | 3.2 | ENE | 18.9 | 19.5 | 19.5 | 755.7 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |

Ivinhema 15/11/03

| Date | Time | Temp Out | Hi Temp | Low Temp | Out Hum | Dew | Wind Speed | Dir | Wind Run | Hi Speed | Hi Dir | Wind Chill | Heat Index | THW | Bar | Rain | Rain Rate | Solar Rad. | Solar Energy | Hi Solar Rad. | Solar UV |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 15/11/03 | 1:00 | 18.7 | 18.9 | 18.5 | 98 | 18.4 | 0.0 | ENE | 0.00 | 3.2 | ENE | 18.7 | 19.4 | 19.4 | 755.7 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 15/11/03 | 2:00 | 19.9 | 20.7 | 18.9 | 88 | 17.8 | 0.0 | ENE | 0.00 | 3.2 | ENE | 19.9 | 20.9 | 20.9 | 755.5 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 15/11/03 | 3:00 | 19.4 | 20.2 | 19.1 | 96 | 18.7 | 0.0 | ENE | 0.00 | 1.6 | ENE | 19.4 | 20.1 | 20.1 | 755.7 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 15/11/03 | 4:00 | 19.1 | 21.4 | 18.7 | 84 | 16.3 | 1.6 | ENE | 1.61 | 11.3 | NE | 19.1 | 19.9 | 19.9 | 755.9 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 15/11/03 | 5:00 | 22.2 | 22.8 | 21.4 | 84 | 19.4 | 8.0 | NE | 8.05 | 22.5 | NE | 22.2 | 23.2 | 22.7 | 756.6 | 0.0 | 0.0 | 3 | 0.26 | 16 | 0.0 |
| 15/11/03 | 6:00 | 21.7 | 22.1 | 21.3 | 84 | 18.9 | 8.0 | NE | 8.05 | 16.1 | NE | 21.7 | 22.7 | 22.2 | 757.3 | 0.0 | 0.0 | 64 | 5.50 | 109 | 0.3 |
| 15/11/03 | 7:00 | 23.2 | 24.1 | 22.1 | 71 | 17.7 | 12.9 | ENE | 12.87 | 29.0 | ENE | 23.2 | 24.2 | 22.7 | 757.7 | 0.0 | 0.0 | 200 | 17.20 | 401 | 1.2 |
| 15/11/03 | 8:00 | 24.4 | 24.9 | 23.8 | 69 | 18.4 | 17.7 | ENE | 17.70 | 32.2 | ENE | 24.4 | 25.3 | 23.3 | 757.8 | 0.0 | 0.0 | 350 | 30.10 | 494 | 2.8 |
| 15/11/03 | 9:00 | 25.4 | 26.0 | 24.8 | 67 | 18.8 | 16.1 | ENE | 16.09 | 30.6 | ENE | 25.4 | 26.2 | 24.6 | 757.8 | 0.0 | 0.0 | 352 | 30.28 | 568 | 4.1 |
| 15/11/03 | 10:00 | 26.9 | 27.9 | 26.0 | 63 | 19.3 | 14.5 | ENE | 14.48 | 29.0 | NE | 26.9 | 28.2 | 27.0 | 757.5 | 0.0 | 0.0 | 487 | 41.89 | 878 | 6.7 |
| 15/11/03 | 11:00 | 28.4 | 29.4 | 27.6 | 60 | 19.9 | 14.5 | E | 14.48 | 29.0 | E | 28.4 | 29.8 | 28.7 | 756.9 | 0.0 | 0.0 | 680 | 58.49 | 959 | 9.4 |
| 15/11/03 | 12:00 | 30.2 | 30.8 | 29.4 | 54 | 19.8 | 14.5 | E | 14.48 | 27.4 | ENE | 30.2 | 32.1 | 31.3 | 756.1 | 0.0 | 0.0 | 833 | 71.65 | 985 | 10.9 |
| 15/11/03 | 13:00 | 31.3 | 32.1 | 30.7 | 53 | 20.6 | 14.5 | E | 14.48 | 27.4 | NE | 31.3 | 34.3 | 33.7 | 755.3 | 0.0 | 0.0 | 805 | 69.24 | 901 | 10.0 |
| 15/11/03 | 14:00 | 31.8 | 32.1 | 31.4 | 54 | 21.4 | 12.9 | E | 12.87 | 25.7 | E | 31.8 | 35.4 | 35.0 | 754.5 | 0.0 | 0.0 | 454 | 39.05 | 735 | 5.8 |
| 15/11/03 | 15:00 | 32.2 | 32.6 | 31.7 | 52 | 21.1 | 11.3 | E | 11.27 | 22.5 | ESE | 32.2 | 35.7 | 35.3 | 753.6 | 0.0 | 0.0 | 466 | 40.08 | 695 | 4.3 |
| 15/11/03 | 16:00 | 30.9 | 31.9 | 30.2 | 58 | 21.7 | 8.0 | E | 8.05 | 19.3 | E | 30.9 | 34.5 | 34.3 | 753.1 | 0.0 | 0.0 | 96 | 8.26 | 262 | 0.9 |
| 15/11/03 | 17:00 | 29.7 | 30.2 | 29.3 | 64 | 22.2 | 3.2 | E | 3.22 | 11.3 | ENE | 29.7 | 33.2 | 33.2 | 753.3 | 0.0 | 0.0 | 26 | 2.24 | 42 | 0.0 |
| 15/11/03 | 18:00 | 28.9 | 29.3 | 28.7 | 66 | 22.0 | 4.8 | ENE | 4.83 | 11.3 | E | 28.9 | 32.1 | 32.1 | 753.7 | 0.0 | 0.0 | 38 | 3.27 | 74 | 0.1 |
| 15/11/03 | 19:00 | 27.6 | 28.9 | 26.4 | 82 | 24.3 | 0.0 | E | 0.00 | 8.0 | E | 27.6 | 31.6 | 31.6 | 753.9 | 0.0 | 0.0 | 0 | 0.00 | 7 | 0.0 |
| 15/11/03 | 20:00 | 26.8 | 27.6 | 26.2 | 70 | 20.9 | 1.6 | E | 1.61 | 9.7 | E | 26.8 | 28.7 | 28.7 | 754.6 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 15/11/03 | 21:00 | 26.1 | 27.4 | 24.8 | 67 | 19.5 | 16.1 | ENE | 16.09 | 43.5 | NE | 26.1 | 27.2 | 25.6 | 755.5 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 15/11/03 | 22:00 | 23.5 | 24.9 | 22.3 | 82 | 20.2 | 6.4 | N | 6.44 | 19.3 | NE | 23.5 | 24.6 | 24.6 | 755.6 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 15/11/03 | 23:00 | 21.9 | 22.3 | 21.1 | 90 | 20.2 | 1.6 | NNE | 1.61 | 9.7 | NNE | 21.9 | 22.9 | 22.9 | 755.7 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 16/11/03 | 00:00 | 21.0 | 21.6 | 20.8 | 92 | 19.6 | 4.8 | NE | 4.83 | 12.9 | NNE | 21.0 | 22.2 | 22.2 | 754.9 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |

Ivinhema 16/11/03

| Date | Time | Temp Out | Hi Temp | Low Temp | Out Hum | Dew | Wind Speed | Dir | Wind Run | Hi Speed | Hi Dir | Wind Chill | Heat Index | THW | Bar | Rain | Rain Rate | Solar Rad. | Solar Energy | Hi Solar Rad. | Solar UV |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 16/11/03 | 1:00 | 21.8 | 22.2 | 21.3 | 91 | 20.2 | 3.2 | ENE | 3.22 | 9.7 | ENE | 21.8 | 22.9 | 22.9 | 754.7 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 16/11/03 | 2:00 | 22.2 | 22.5 | 21.7 | 92 | 20.9 | 1.6 | E | 1.61 | 9.7 | E | 22.2 | 23.4 | 23.4 | 754.8 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 16/11/03 | 3:00 | 22.6 | 23.3 | 22.2 | 90 | 20.8 | 1.6 | ENE | 1.61 | 11.3 | E | 22.6 | 23.6 | 23.6 | 755.0 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 16/11/03 | 4:00 | 22.7 | 23.4 | 22.3 | 94 | 21.7 | 6.4 | NE | 6.44 | 12.9 | ENE | 22.7 | 24.1 | 24.1 | 755.2 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 16/11/03 | 5:00 | 22.7 | 22.8 | 22.5 | 93 | 21.5 | 11.3 | ENE | 11.27 | 19.3 | NE | 22.7 | 23.9 | 22.7 | 755.4 | 0.0 | 0.0 | 3 | 0.26 | 14 | 0.0 |
| 16/11/03 | 6:00 | 23.4 | 24.2 | 22.8 | 88 | 21.3 | 12.9 | ENE | 12.87 | 22.5 | ENE | 23.4 | 24.8 | 23.3 | 755.7 | 0.0 | 0.0 | 83 | 7.14 | 206 | 0.3 |
| 16/11/03 | 7:00 | 25.3 | 26.4 | 24.2 | 79 | 21.4 | 14.5 | ENE | 14.48 | 27.4 | ENE | 25.3 | 27.2 | 25.7 | 755.6 | 0.0 | 0.0 | 259 | 22.28 | 394 | 1.3 |
| 16/11/03 | 8:00 | 27.2 | 27.7 | 26.4 | 72 | 21.7 | 20.9 | NE | 20.92 | 38.6 | NE | 27.2 | 29.7 | 27.7 | 755.5 | 0.0 | 0.0 | 318 | 27.35 | 551 | 2.6 |
| 16/11/03 | 9:00 | 29.4 | 29.9 | 27.4 | 67 | 22.6 | 19.3 | NE | 19.31 | 35.4 | NNE | 29.4 | 33.2 | 31.8 | 755.1 | 0.0 | 0.0 | 612 | 52.64 | 783 | 6.0 |
| 16/11/03 | 10:00 | 31.1 | 32.1 | 29.7 | 56 | 21.3 | 17.7 | N | 17.70 | 33.8 | NE | 31.1 | 34.4 | 33.6 | 754.4 | 0.0 | 0.0 | 726 | 62.44 | 787 | 9.0 |
| 16/11/03 | 11:00 | 32.2 | 33.0 | 31.7 | 55 | 22.0 | 20.9 | N | 20.92 | 38.6 | N | 32.2 | 36.3 | 35.5 | 753.8 | 0.0 | 0.0 | 806 | 69.33 | 860 | 11.2 |
| 16/11/03 | 12:00 | 33.5 | 34.0 | 33.0 | 53 | 22.6 | 17.7 | N | 17.70 | 35.4 | NNW | 33.5 | 38.1 | 37.6 | 753.0 | 0.0 | 0.0 | 828 | 71.22 | 883 | 11.7 |
| 16/11/03 | 13:00 | 34.3 | 34.7 | 33.6 | 49 | 22.1 | 17.7 | N | 17.70 | 38.6 | N | 34.3 | 38.4 | 38.2 | 751.5 | 0.0 | 0.0 | 834 | 71.73 | 922 | 10.8 |
| 16/11/03 | 14:00 | 33.9 | 34.8 | 31.7 | 57 | 24.2 | 19.3 | N | 19.31 | 38.6 | N | 33.9 | 40.7 | 40.3 | 750.6 | 0.0 | 0.0 | 473 | 40.68 | 862 | 6.4 |
| 16/11/03 | 15:00 | 32.9 | 33.5 | 31.7 | 49 | 20.8 | 19.3 | N | 19.31 | 33.8 | N | 32.9 | 35.8 | 35.1 | 750.3 | 0.0 | 0.0 | 519 | 44.64 | 670 | 4.9 |
| 16/11/03 | 16:00 | 33.4 | 33.6 | 33.0 | 55 | 23.1 | 19.3 | NNE | 19.31 | 33.8 | NNE | 33.4 | 38.4 | 37.9 | 750.1 | 0.0 | 0.0 | 389 | 33.46 | 466 | 2.5 |
| 16/11/03 | 17:00 | 30.4 | 33.4 | 28.0 | 70 | 24.4 | 22.5 | NE | 22.53 | 41.8 | NE | 30.4 | 35.9 | 34.5 | 751.1 | 0.0 | 0.0 | 162 | 13.93 | 313 | 0.8 |
| 16/11/03 | 18:00 | 27.2 | 28.0 | 26.4 | 76 | 22.6 | 14.5 | NE | 14.48 | 27.4 | NE | 27.2 | 29.9 | 28.8 | 751.1 | 0.0 | 0.0 | 42 | 3.61 | 127 | 0.1 |
| 16/11/03 | 19:00 | 26.3 | 26.6 | 25.5 | 81 | 22.8 | 11.3 | NE | 11.27 | 27.4 | NE | 26.3 | 28.7 | 27.8 | 752.3 | 0.0 | 0.0 | 0 | 0.00 | 7 | 0.0 |
| 16/11/03 | 20:00 | 25.4 | 25.7 | 24.9 | 88 | 23.3 | 9.7 | ENE | 9.66 | 19.3 | NE | 25.4 | 27.7 | 27.0 | 752.1 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 16/11/03 | 21:00 | 24.6 | 24.9 | 24.2 | 90 | 22.8 | 6.4 | ENE | 6.44 | 19.3 | ENE | 24.6 | 26.6 | 26.6 | 752.5 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 16/11/03 | 22:00 | 23.7 | 24.4 | 23.3 | 90 | 22.0 | 8.0 | NE | 8.05 | 17.7 | NE | 23.7 | 25.4 | 25.0 | 752.7 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 16/11/03 | 23:00 | 23.0 | 23.3 | 22.6 | 91 | 21.5 | 8.0 | NE | 8.05 | 16.1 | NE | 23.0 | 24.2 | 23.7 | 752.4 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 17/11/03 | 00:00 | 22.1 | 22.6 | 21.8 | 95 | 21.3 | 8.0 | NE | 8.05 | 16.1 | NNE | 22.1 | 23.6 | 23.0 | 752.5 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |

Ivinhema 17/11/03

| Date | Time | Temp Out | Hi Temp | Low Temp | Out Hum | Dew | Wind Speed | Dir | Wind Run | Hi Speed | Hi Dir | Wind Chill | Heat Index | THW | Bar | Rain | Rain Rate | Solar Rad. | Solar Energy | Hi Solar Rad. | Solar UV |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 17/11/03 | 1:00 | 22.1 | 22.6 | 21.7 | 95 | 21.2 | 6.4 | ENE | 6.44 | 16.1 | ENE | 22.1 | 23.6 | 23.5 | 752.6 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 17/11/03 | 2:00 | 21.8 | 22.1 | 21.7 | 97 | 21.3 | 8.0 | NE | 8.05 | 16.1 | NE | 21.8 | 23.6 | 23.0 | 752.7 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 17/11/03 | 3:00 | 21.8 | 22.9 | 19.2 | 95 | 20.9 | 20.9 | SW | 20.92 | 72.4 | SSW | 21.8 | 23.3 | 20.3 | 754.5 | 0.6 | 14.4 | 0 | 0.00 | 0 | 0.0 |
| 17/11/03 | 4:00 | 19.1 | 19.4 | 18.9 | 88 | 17.1 | 40.2 | SSE | 40.23 | 80.5 | SE | 17.6 | 20.0 | 20.0 | 754.8 | 7.0 | 53.4 | 0 | 0.00 | 0 | 0.0 |
| 17/11/03 | 5:00 | 19.8 | 20.4 | 19.3 | 81 | 16.5 | 29.0 | SSE | 28.97 | 57.9 | SE | 18.9 | 20.8 | 16.7 | 755.0 | 0.4 | 9.4 | 1 | 0.09 | 7 | 0.0 |
| 17/11/03 | 6:00 | 20.3 | 20.6 | 20.1 | 81 | 17.0 | 19.3 | SE | 19.31 | 46.7 | SSE | 20.1 | 21.3 | 18.4 | 755.8 | 0.0 | 0.0 | 19 | 1.63 | 35 | 0.1 |
| 17/11/03 | 7:00 | 20.6 | 21.0 | 20.2 | 83 | 17.6 | 12.9 | SE | 12.87 | 33.8 | SSE | 20.6 | 21.6 | 19.7 | 756.4 | 0.0 | 0.0 | 94 | 8.09 | 181 | 0.7 |
| 17/11/03 | 8:00 | 20.8 | 21.1 | 20.2 | 87 | 18.5 | 11.3 | E | 11.27 | 29.0 | ENE | 20.8 | 21.8 | 20.3 | 756.5 | 0.0 | 0.0 | 107 | 9.20 | 179 | 1.1 |
| 17/11/03 | 9:00 | 20.1 | 20.5 | 19.8 | 90 | 18.4 | 17.7 | NE | 17.70 | 32.2 | ENE | 19.8 | 21.1 | 18.3 | 756.3 | 0.2 | 0.0 | 98 | 8.43 | 167 | 1.3 |
| 17/11/03 | 10:00 | 19.9 | 20.5 | 19.5 | 92 | 18.6 | 17.7 | NE | 17.70 | 43.5 | NE | 19.6 | 20.9 | 18.1 | 754.4 | 0.8 | 3.8 | 168 | 14.45 | 317 | 2.6 |
| 17/11/03 | 11:00 | 22.1 | 24.4 | 20.4 | 81 | 18.7 | 24.1 | ENE | 24.14 | 40.2 | NE | 22.1 | 23.1 | 19.8 | 754.2 | 0.0 | 0.0 | 361 | 31.05 | 730 | 7.3 |
| 17/11/03 | 12:00 | 25.3 | 26.7 | 23.8 | 75 | 20.6 | 22.5 | ENE | 22.53 | 40.2 | NE | 25.3 | 26.8 | 24.4 | 753.6 | 0.0 | 0.0 | 896 | 77.07 | 1001 | 11.8 |
| 17/11/03 | 13:00 | 27.2 | 28.3 | 26.4 | 69 | 21.0 | 19.3 | ENE | 19.31 | 33.8 | ENE | 27.2 | 29.2 | 27.5 | 752.8 | 0.0 | 0.0 | 779 | 67.00 | 882 | 11.0 |
| 17/11/03 | 14:00 | 29.2 | 29.9 | 28.3 | 66 | 22.2 | 17.7 | NE | 17.70 | 33.8 | NE | 29.2 | 32.6 | 31.3 | 751.7 | 0.0 | 0.0 | 707 | 60.81 | 787 | 8.3 |
| 17/11/03 | 15:00 | 30.3 | 31.1 | 29.7 | 62 | 22.2 | 16.1 | NNE | 16.09 | 32.2 | NE | 30.3 | 34.1 | 33.1 | 751.4 | 0.0 | 0.0 | 550 | 47.31 | 755 | 5.1 |
| 17/11/03 | 16:00 | 30.6 | 31.3 | 29.7 | 62 | 22.5 | 9.7 | NE | 9.66 | 25.7 | ENE | 30.6 | 34.6 | 34.2 | 751.1 | 0.0 | 0.0 | 298 | 25.63 | 556 | 2.4 |
| 17/11/03 | 17:00 | 29.7 | 30.3 | 29.3 | 70 | 23.7 | 6.4 | NE | 6.44 | 12.9 | ENE | 29.7 | 34.4 | 34.4 | 751.3 | 0.0 | 0.0 | 109 | 9.38 | 253 | 0.7 |
| 17/11/03 | 18:00 | 28.2 | 29.3 | 27.4 | 79 | 24.2 | 4.8 | ENE | 4.83 | 16.1 | ENE | 28.2 | 32.4 | 32.4 | 751.8 | 0.0 | 0.0 | 30 | 2.58 | 106 | 0.1 |
| 17/11/03 | 19:00 | 26.7 | 27.4 | 26.3 | 83 | 23.6 | 6.4 | E | 6.44 | 16.1 | ENE | 26.7 | 29.8 | 29.8 | 752.1 | 0.0 | 0.0 | 1 | 0.09 | 5 | 0.0 |
| 17/11/03 | 20:00 | 25.7 | 26.3 | 25.4 | 83 | 22.6 | 8.0 | ENE | 8.05 | 19.3 | ENE | 25.7 | 27.9 | 27.6 | 752.3 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 17/11/03 | 21:00 | 25.0 | 25.4 | 24.5 | 89 | 23.1 | 12.9 | ENE | 12.87 | 20.9 | ENE | 25.0 | 27.0 | 25.7 | 751.9 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 17/11/03 | 22:00 | 24.5 | 24.8 | 24.1 | 90 | 22.8 | 11.3 | NE | 11.27 | 22.5 | NE | 24.5 | 26.5 | 25.4 | 752.3 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 17/11/03 | 23:00 | 23.8 | 24.1 | 23.3 | 92 | 22.5 | 12.9 | NE | 12.87 | 20.9 | NE | 23.8 | 25.7 | 24.3 | 752.1 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |
| 18/11/03 | 00:00 | 23.1 | 23.3 | 22.9 | 95 | 22.2 | 6.4 | NE | 6.44 | 16.1 | ENE | 23.1 | 24.6 | 24.6 | 751.7 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.0 |

Ivinhema 18/11/03

| Date | Time | Temp Out | Hi Temp | Low Temp | Out Hum | Wind Dew | Wind Speed | Dir | Wind Run | Hi Speed | Hi Dir | Wind Chill | Heat Index | THW | Bar | Rain | Rain Rate | Solar Rad. | Solar Energy | Hi Solar Rad. | Solar Rad. | UV |
|----------|-------|-------------|------------|-------------|------------|-------------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|---------------|-----|
| 18/11/03 | 1:00 | 22.8 | 22.9 | 22.7 | 93 | 21.6 | 8.0 | NE | 8.05 | 17.7 | NNE | 22.8 | 24.2 | 23.7 | 751.5 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.00 | 0.0 |
| 18/11/03 | 2:00 | 22.8 | 22.9 | 22.7 | 94 | 21.8 | 9.7 | NE | 9.66 | 19.3 | NE | 22.8 | 24.3 | 23.3 | 751.4 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.00 | 0.0 |
| 18/11/03 | 3:00 | 22.6 | 22.8 | 22.3 | 96 | 21.9 | 9.7 | NE | 9.66 | 17.7 | NE | 22.6 | 24.2 | 23.2 | 751.5 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.00 | 0.0 |
| 18/11/03 | 4:00 | 22.4 | 22.5 | 22.3 | 95 | 21.5 | 6.4 | NE | 6.44 | 16.1 | NE | 22.4 | 23.9 | 23.9 | 752.3 | 0.0 | 0.0 | 0 | 0.00 | 0 | 0.00 | 0.0 |
| 18/11/03 | 5:00 | 22.6 | 22.9 | 22.4 | 95 | 21.8 | 3.2 | NE | 3.22 | 12.9 | NE | 22.6 | 24.1 | 24.1 | 753.1 | 0.0 | 0.0 | 1 | 0.09 | 9 | 0.00 | 0.0 |
| 18/11/03 | 6:00 | 23.1 | 23.6 | 22.9 | 91 | 21.6 | 9.7 | NNE | 9.66 | 20.9 | NNE | 23.1 | 24.4 | 23.5 | 753.4 | 0.0 | 0.0 | 32 | 2.75 | 62 | 0.00 | 0.1 |
| 18/11/03 | 7:00 | 23.9 | 24.7 | 23.6 | 87 | 21.6 | 11.3 | N | 11.27 | 25.7 | NNE | 23.9 | 25.5 | 24.4 | 754.0 | 0.0 | 0.0 | 80 | 6.88 | 130 | 0.00 | 0.6 |
| 18/11/03 | 8:00 | 24.3 | 24.8 | 22.6 | 85 | 21.6 | 19.3 | NNW | 19.31 | 53.1 | WSW | 24.3 | 25.9 | 23.6 | 755.7 | 0.6 | 9.8 | 38 | 3.27 | 90 | 0.00 | 0.3 |
| 18/11/03 | 9:00 | 18.0 | 22.3 | 17.5 | 94 | 17.0 | 32.2 | SW | 32.19 | 78.9 | WSW | 16.3 | 18.4 | 13.9 | 756.3 | 9.2 | 56.4 | 44 | 3.78 | 125 | 0.00 | 0.6 |
| 18/11/03 | 10:00 | 19.4 | 19.9 | 18.5 | 90 | 17.8 | 17.7 | SW | 17.70 | 33.8 | SW | 18.9 | 20.4 | 17.5 | 756.3 | 0.2 | 0.0 | 170 | 14.62 | 301 | 0.00 | 2.4 |
| 18/11/03 | 11:00 | 20.2 | 20.8 | 19.7 | 85 | 17.6 | 19.3 | SW | 19.31 | 32.2 | SW | 19.8 | 21.2 | 18.2 | 755.8 | 0.4 | 0.8 | 228 | 19.61 | 336 | 0.00 | 3.3 |
| 18/11/03 | 12:00 | 20.8 | 21.1 | 20.7 | 83 | 17.8 | 9.7 | WSW | 9.66 | 29.0 | SW | 20.8 | 21.8 | 20.8 | 755.7 | 0.0 | 0.0 | 168 | 14.45 | 278 | 0.00 | 2.5 |
| 18/11/03 | 13:00 | 21.5 | 22.0 | 20.8 | 73 | 16.5 | 3.2 | WNW | 3.22 | 12.9 | W | 21.5 | 21.8 | 21.8 | 754.7 | 0.0 | 0.0 | 208 | 17.89 | 274 | 0.00 | 3.0 |
| 18/11/03 | 14:00 | 21.3 | 21.8 | 21.1 | 78 | 17.3 | 4.8 | NE | 4.83 | 12.9 | NE | 21.3 | 22.1 | 22.1 | 753.8 | 0.0 | 0.0 | 165 | 14.19 | 229 | 0.00 | 2.2 |
| 18/11/03 | 15:00 | 21.5 | 21.6 | 21.3 | 79 | 17.7 | 11.3 | N | 11.27 | 22.5 | NW | 21.5 | 22.4 | 21.0 | 754.1 | 0.0 | 0.0 | 186 | 16.00 | 223 | 0.00 | 2.1 |
| 18/11/03 | 16:00 | 21.2 | 21.6 | 20.5 | 85 | 18.5 | 9.7 | N | 9.66 | 25.7 | N | 21.2 | 22.2 | 21.1 | 753.5 | 0.0 | 0.0 | 90 | 7.74 | 128 | 0.00 | 0.8 |
| 18/11/03 | 17:00 | 20.3 | 20.5 | 20.2 | 88 | 18.2 | 9.7 | WNW | 9.66 | 19.3 | W | 20.3 | 21.3 | 20.1 | 754.3 | 0.0 | 0.0 | 52 | 4.47 | 67 | 0.00 | 0.4 |
| 18/11/03 | 18:00 | 19.9 | 20.3 | 19.3 | 92 | 18.6 | 8.0 | WNW | 8.05 | 19.3 | W | 19.9 | 20.8 | 20.1 | 754.4 | 0.0 | 0.0 | 15 | 1.29 | 35 | 0.00 | 0.0 |

Ivinhema 1/11/03

| Date | Time | UV Dose | Hi UV | Heat D-D | Cool D-D | In Temp | In Hum | ET | Wind Samp | Wind Tx | ISS Receipt | Arc. Int. |
|---------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 1/11/03 | 1:00 | 0.00 | 0.0 | 0.000 | 0.074 | 21.4 | 54 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 1/11/03 | 2:00 | 0.00 | 0.0 | 0.000 | 0.083 | 21.3 | 55 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 1/11/03 | 3:00 | 0.00 | 0.0 | 0.000 | 0.097 | 21.2 | 56 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 1/11/03 | 4:00 | 0.00 | 0.0 | 0.000 | 0.069 | 20.9 | 57 | 0.00 | 1331 | 1 | 97.3 | 60 |
| 1/11/03 | 5:00 | 0.00 | 0.0 | 0.000 | 0.060 | 20.6 | 58 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 1/11/03 | 6:00 | 0.09 | 0.6 | 0.000 | 0.069 | 20.9 | 56 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 1/11/03 | 7:00 | 0.30 | 1.2 | 0.000 | 0.113 | 23.3 | 50 | 0.08 | 1368 | 1 | 100.0 | 60 |
| 1/11/03 | 8:00 | 0.86 | 2.9 | 0.000 | 0.155 | 25.9 | 46 | 0.15 | 1368 | 1 | 100.0 | 60 |
| 1/11/03 | 9:00 | 1.41 | 5.2 | 0.000 | 0.199 | 28.6 | 41 | 0.20 | 1368 | 1 | 100.0 | 60 |
| 1/11/03 | 10:00 | 1.20 | 3.3 | 0.000 | 0.204 | 29.1 | 43 | 0.13 | 1368 | 1 | 100.0 | 60 |
| 1/11/03 | 11:00 | 1.24 | 4.4 | 0.000 | 0.213 | 28.4 | 42 | 0.13 | 1368 | 1 | 100.0 | 60 |
| 1/11/03 | 12:00 | 1.41 | 4.1 | 0.000 | 0.218 | 28.2 | 43 | 0.15 | 1368 | 1 | 100.0 | 60 |
| 1/11/03 | 13:00 | 2.19 | 6.6 | 0.000 | 0.275 | 30.8 | 39 | 0.28 | 1368 | 1 | 100.0 | 60 |
| 1/11/03 | 14:00 | 2.40 | 8.6 | 0.000 | 0.329 | 33.9 | 38 | 0.36 | 1368 | 1 | 100.0 | 60 |
| 1/11/03 | 15:00 | 1.03 | 4.1 | 0.000 | 0.322 | 33.1 | 41 | 0.23 | 1368 | 1 | 100.0 | 60 |
| 1/11/03 | 16:00 | 0.43 | 1.5 | 0.000 | 0.308 | 31.1 | 45 | 0.13 | 1368 | 1 | 100.0 | 60 |
| 1/11/03 | 17:00 | 0.17 | 0.7 | 0.000 | 0.278 | 29.4 | 47 | 0.10 | 1368 | 1 | 100.0 | 60 |
| 1/11/03 | 18:00 | 0.00 | 0.0 | 0.000 | 0.213 | 27.1 | 51 | 0.05 | 1368 | 1 | 100.0 | 60 |
| 1/11/03 | 19:00 | 0.00 | 0.0 | 0.000 | 0.176 | 24.8 | 55 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 1/11/03 | 20:00 | 0.00 | 0.0 | 0.000 | 0.150 | 23.6 | 56 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 1/11/03 | 21:00 | 0.00 | 0.0 | 0.000 | 0.109 | 22.4 | 57 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 1/11/03 | 22:00 | 0.00 | 0.0 | 0.000 | 0.081 | 21.4 | 58 | 0.03 | 1331 | 1 | 97.3 | 60 |
| 1/11/03 | 23:00 | 0.00 | 0.0 | 0.000 | 0.058 | 20.7 | 59 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 2/11/03 | 00:00 | 0.00 | 0.0 | 0.000 | 0.039 | 20.1 | 60 | 0.03 | 1368 | 1 | 100.0 | 60 |

Ivinhema 2/11/03

| Date | Time | UV Dose | Hi UV | Heat D-D | Cool D-D | In Temp | In Hum | ET | Wind Samp | Wind Tx | ISS Receipt | Arc. Int. |
|---------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 2/11/03 | 1:00 | 0.00 | 0.0 | 0.000 | 0.028 | 19.7 | 60 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 2/11/03 | 2:00 | 0.00 | 0.0 | 0.000 | 0.023 | 19.4 | 61 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 2/11/03 | 3:00 | 0.00 | 0.0 | 0.000 | 0.009 | 19.2 | 61 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 2/11/03 | 4:00 | 0.00 | 0.0 | 0.009 | 0.000 | 18.7 | 61 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 2/11/03 | 5:00 | 0.00 | 0.0 | 0.030 | 0.000 | 18.2 | 62 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 2/11/03 | 6:00 | 0.00 | 0.3 | 0.032 | 0.000 | 18.0 | 62 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 2/11/03 | 7:00 | 0.13 | 0.5 | 0.012 | 0.000 | 18.9 | 59 | 0.05 | 1368 | 1 | 100.0 | 60 |
| 2/11/03 | 8:00 | 0.64 | 2.4 | 0.000 | 0.030 | 21.4 | 49 | 0.13 | 1368 | 1 | 100.0 | 60 |
| 2/11/03 | 9:00 | 0.69 | 3.2 | 0.000 | 0.046 | 23.5 | 50 | 0.13 | 1368 | 1 | 100.0 | 60 |
| 2/11/03 | 10:00 | 0.73 | 2.4 | 0.000 | 0.062 | 22.9 | 50 | 0.10 | 1368 | 1 | 100.0 | 60 |
| 2/11/03 | 11:00 | 0.86 | 2.3 | 0.000 | 0.086 | 24.1 | 49 | 0.10 | 1368 | 1 | 100.0 | 60 |
| 2/11/03 | 12:00 | 1.80 | 7.0 | 0.000 | 0.111 | 25.3 | 41 | 0.18 | 1331 | 1 | 97.3 | 60 |
| 2/11/03 | 13:00 | 1.11 | 4.7 | 0.000 | 0.141 | 27.8 | 45 | 0.13 | 1368 | 1 | 100.0 | 60 |
| 2/11/03 | 14:00 | 1.29 | 3.9 | 0.000 | 0.153 | 27.3 | 43 | 0.15 | 1368 | 1 | 100.0 | 60 |
| 2/11/03 | 15:00 | 1.11 | 3.6 | 0.000 | 0.201 | 29.3 | 43 | 0.15 | 1368 | 1 | 100.0 | 60 |
| 2/11/03 | 16:00 | 0.26 | 1.2 | 0.000 | 0.160 | 27.3 | 50 | 0.05 | 1368 | 1 | 100.0 | 60 |
| 2/11/03 | 17:00 | 0.09 | 0.3 | 0.000 | 0.100 | 23.5 | 56 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 2/11/03 | 18:00 | 0.00 | 0.0 | 0.000 | 0.044 | 20.7 | 60 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 2/11/03 | 19:00 | 0.00 | 0.0 | 0.000 | 0.032 | 19.6 | 62 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 2/11/03 | 20:00 | 0.00 | 0.0 | 0.000 | 0.039 | 19.4 | 62 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 2/11/03 | 21:00 | 0.00 | 0.0 | 0.000 | 0.065 | 19.7 | 62 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 2/11/03 | 22:00 | 0.00 | 0.0 | 0.000 | 0.058 | 19.9 | 63 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 2/11/03 | 23:00 | 0.00 | 0.0 | 0.000 | 0.042 | 19.6 | 63 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 3/11/03 | 00:00 | 0.00 | 0.0 | 0.000 | 0.023 | 19.2 | 64 | 0.03 | 1331 | 1 | 97.3 | 60 |

| Date | Time | UV Dose | Hi UV | Heat D-D | Cool D-D | In Temp | In Hum | ET | Wind Samp | Wind Tx | ISS Receipt | Arc. Int. |
|---------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 3/11/03 | 1:00 | 0.00 | 0.0 | 0.000 | 0.007 | 18.7 | 64 | 0.03 | 1369 | 1 | 100.0 | 60 |
| 3/11/03 | 2:00 | 0.00 | 0.0 | 0.007 | 0.000 | 18.4 | 64 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 3/11/03 | 3:00 | 0.00 | 0.0 | 0.012 | 0.000 | 18.1 | 64 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 3/11/03 | 4:00 | 0.00 | 0.0 | 0.019 | 0.000 | 17.9 | 65 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 3/11/03 | 5:00 | 0.00 | 0.0 | 0.025 | 0.000 | 17.7 | 65 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 3/11/03 | 6:00 | 0.04 | 0.3 | 0.021 | 0.000 | 17.9 | 62 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 3/11/03 | 7:00 | 0.34 | 1.7 | 0.000 | 0.014 | 20.3 | 52 | 0.08 | 1368 | 1 | 100.0 | 60 |
| 3/11/03 | 8:00 | 1.11 | 3.3 | 0.000 | 0.062 | 24.5 | 46 | 0.18 | 1368 | 1 | 100.0 | 60 |
| 3/11/03 | 9:00 | 2.06 | 6.7 | 0.000 | 0.130 | 29.6 | 30 | 0.28 | 1338 | 1 | 97.8 | 60 |
| 3/11/03 | 10:00 | 3.99 | 10.5 | 0.000 | 0.192 | 30.9 | 34 | 0.51 | 1368 | 1 | 100.0 | 60 |
| 3/11/03 | 11:00 | 4.89 | 12.0 | 0.000 | 0.255 | 33.4 | 30 | 0.56 | 1368 | 1 | 100.0 | 60 |
| 3/11/03 | 12:00 | 5.23 | 12.3 | 0.000 | 0.301 | 34.0 | 32 | 0.58 | 1368 | 1 | 100.0 | 60 |
| 3/11/03 | 13:00 | 4.46 | 12.2 | 0.000 | 0.331 | 35.3 | 32 | 0.53 | 1368 | 1 | 100.0 | 60 |
| 3/11/03 | 14:00 | 3.21 | 9.8 | 0.000 | 0.366 | 35.8 | 33 | 0.46 | 1368 | 1 | 100.0 | 60 |
| 3/11/03 | 15:00 | 2.19 | 6.7 | 0.000 | 0.387 | 36.8 | 34 | 0.43 | 1368 | 1 | 100.0 | 60 |
| 3/11/03 | 16:00 | 1.03 | 3.6 | 0.000 | 0.387 | 36.8 | 34 | 0.30 | 1368 | 1 | 100.0 | 60 |
| 3/11/03 | 17:00 | 0.34 | 1.4 | 0.000 | 0.384 | 35.2 | 38 | 0.18 | 1368 | 1 | 100.0 | 60 |
| 3/11/03 | 18:00 | 0.04 | 0.4 | 0.000 | 0.294 | 30.9 | 42 | 0.05 | 1368 | 1 | 100.0 | 60 |
| 3/11/03 | 19:00 | 0.00 | 0.0 | 0.000 | 0.201 | 25.9 | 43 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 3/11/03 | 20:00 | 0.00 | 0.0 | 0.000 | 0.074 | 22.7 | 46 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 3/11/03 | 21:00 | 0.00 | 0.0 | 0.012 | 0.000 | 20.3 | 46 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 3/11/03 | 22:00 | 0.00 | 0.0 | 0.032 | 0.000 | 19.0 | 48 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 3/11/03 | 23:00 | 0.00 | 0.0 | 0.000 | 0.002 | 19.1 | 48 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 4/11/03 | 00:00 | 0.00 | 0.0 | 0.000 | 0.021 | 18.9 | 51 | 0.03 | 1368 | 1 | 100.0 | 60 |

| Date | Time | UV Dose | Hi UV | Heat D-D | Cool D-D | In Temp | In Hum | ET | Wind Samp | Wind Tx | ISS Receipt | Arc. Int. |
|---------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 4/11/03 | 1:00 | 0.00 | 0.0 | 0.079 | 0.000 | 17.7 | 52 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 4/11/03 | 2:00 | 0.00 | 0.0 | 0.160 | 0.000 | 15.1 | 54 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 4/11/03 | 3:00 | 0.00 | 0.0 | 0.144 | 0.000 | 14.4 | 56 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 4/11/03 | 4:00 | 0.00 | 0.0 | 0.106 | 0.000 | 14.1 | 56 | 0.00 | 1331 | 1 | 97.3 | 60 |
| 4/11/03 | 5:00 | 0.00 | 0.0 | 0.069 | 0.000 | 15.2 | 57 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 4/11/03 | 6:00 | 0.13 | 0.6 | 0.044 | 0.000 | 17.4 | 52 | 0.08 | 1368 | 1 | 100.0 | 60 |
| 4/11/03 | 7:00 | 0.51 | 2.1 | 0.012 | 0.000 | 20.2 | 50 | 0.15 | 1368 | 1 | 100.0 | 60 |
| 4/11/03 | 8:00 | 1.37 | 4.5 | 0.000 | 0.058 | 24.3 | 44 | 0.33 | 1368 | 1 | 100.0 | 60 |
| 4/11/03 | 9:00 | 2.61 | 7.6 | 0.000 | 0.113 | 26.6 | 41 | 0.46 | 1368 | 1 | 100.0 | 60 |
| 4/11/03 | 10:00 | 3.86 | 10.2 | 0.000 | 0.171 | 28.1 | 37 | 0.53 | 1368 | 1 | 100.0 | 60 |
| 4/11/03 | 11:00 | 4.71 | 12.2 | 0.000 | 0.250 | 32.6 | 29 | 0.61 | 1368 | 1 | 100.0 | 60 |
| 4/11/03 | 12:00 | 4.54 | 13.4 | 0.000 | 0.299 | 34.4 | 29 | 0.56 | 1368 | 1 | 100.0 | 60 |
| 4/11/03 | 13:00 | 4.03 | 12.9 | 0.000 | 0.350 | 35.8 | 29 | 0.53 | 1369 | 1 | 100.0 | 60 |
| 4/11/03 | 14:00 | 2.53 | 11.1 | 0.000 | 0.368 | 36.3 | 31 | 0.38 | 1368 | 1 | 100.0 | 60 |
| 4/11/03 | 15:00 | 1.71 | 6.6 | 0.000 | 0.368 | 35.4 | 31 | 0.38 | 1368 | 1 | 100.0 | 60 |
| 4/11/03 | 16:00 | 0.86 | 3.4 | 0.000 | 0.377 | 35.3 | 32 | 0.28 | 1368 | 1 | 100.0 | 60 |
| 4/11/03 | 17:00 | 0.30 | 1.4 | 0.000 | 0.382 | 34.1 | 36 | 0.13 | 1368 | 1 | 100.0 | 60 |
| 4/11/03 | 18:00 | 0.04 | 0.4 | 0.000 | 0.301 | 29.8 | 39 | 0.03 | 1307 | 1 | 95.5 | 60 |
| 4/11/03 | 19:00 | 0.00 | 0.0 | 0.000 | 0.127 | 25.1 | 41 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 4/11/03 | 20:00 | 0.00 | 0.0 | 0.000 | 0.079 | 23.1 | 41 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 4/11/03 | 21:00 | 0.00 | 0.0 | 0.000 | 0.023 | 21.7 | 43 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 4/11/03 | 22:00 | 0.00 | 0.0 | 0.000 | 0.049 | 21.2 | 45 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 4/11/03 | 23:00 | 0.00 | 0.0 | 0.030 | 0.000 | 19.9 | 47 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 5/11/03 | 00:00 | 0.00 | 0.0 | 0.049 | 0.000 | 18.1 | 48 | 0.03 | 1368 | 1 | 100.0 | 60 |

| Date | Time | UV Dose | Hi UV | Heat D-D | Cool D-D | In Temp | In Hum | ET | Wind Samp | Wind Tx | ISS Receipt | Arc. Int. |
|---------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 5/11/03 | 1:00 | 0.00 | 0.0 | 0.063 | 0.000 | 16.7 | 49 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 5/11/03 | 2:00 | 0.00 | 0.0 | 0.144 | 0.000 | 15.2 | 50 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 5/11/03 | 3:00 | 0.00 | 0.0 | 0.183 | 0.000 | 13.9 | 52 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 5/11/03 | 4:00 | 0.00 | 0.0 | 0.116 | 0.000 | 14.2 | 52 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 5/11/03 | 5:00 | 0.00 | 0.0 | 0.063 | 0.000 | 14.6 | 53 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 5/11/03 | 6:00 | 0.09 | 0.6 | 0.009 | 0.000 | 17.4 | 49 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 5/11/03 | 7:00 | 0.47 | 1.9 | 0.000 | 0.072 | 23.0 | 42 | 0.23 | 1368 | 1 | 100.0 | 60 |
| 5/11/03 | 8:00 | 1.37 | 4.7 | 0.000 | 0.120 | 26.2 | 40 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 5/11/03 | 9:00 | 2.44 | 7.4 | 0.000 | 0.174 | 28.6 | 39 | 0.76 | 1368 | 1 | 100.0 | 60 |
| 5/11/03 | 10:00 | 3.73 | 9.9 | 0.000 | 0.243 | 30.2 | 36 | 0.51 | 1368 | 1 | 100.0 | 60 |
| 5/11/03 | 11:00 | 4.59 | 11.2 | 0.000 | 0.310 | 33.8 | 29 | 0.58 | 1368 | 1 | 100.0 | 60 |
| 5/11/03 | 12:00 | 4.80 | 11.3 | 0.000 | 0.354 | 34.6 | 30 | 0.61 | 1368 | 1 | 100.0 | 60 |
| 5/11/03 | 13:00 | 4.33 | 10.9 | 0.000 | 0.410 | 36.2 | 30 | 0.56 | 1368 | 1 | 100.0 | 60 |
| 5/11/03 | 14:00 | 3.26 | 8.9 | 0.000 | 0.440 | 37.2 | 30 | 0.53 | 1368 | 1 | 100.0 | 60 |
| 5/11/03 | 15:00 | 1.93 | 6.1 | 0.000 | 0.454 | 37.5 | 30 | 0.43 | 1368 | 1 | 100.0 | 60 |
| 5/11/03 | 16:00 | 0.90 | 3.2 | 0.000 | 0.488 | 37.4 | 32 | 0.28 | 1368 | 1 | 100.0 | 60 |
| 5/11/03 | 17:00 | 0.30 | 1.2 | 0.000 | 0.505 | 36.3 | 35 | 0.13 | 1368 | 1 | 100.0 | 60 |
| 5/11/03 | 18:00 | 0.04 | 0.4 | 0.000 | 0.382 | 31.9 | 39 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 5/11/03 | 19:00 | 0.00 | 0.0 | 0.000 | 0.227 | 26.7 | 40 | 0.00 | 1308 | 1 | 95.6 | 60 |
| 5/11/03 | 20:00 | 0.00 | 0.0 | 0.000 | 0.164 | 24.1 | 41 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 5/11/03 | 21:00 | 0.00 | 0.0 | 0.000 | 0.086 | 22.6 | 42 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 5/11/03 | 22:00 | 0.00 | 0.0 | 0.039 | 0.000 | 19.7 | 44 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 5/11/03 | 23:00 | 0.00 | 0.0 | 0.079 | 0.000 | 17.6 | 46 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 6/11/03 | 00:00 | 0.00 | 0.0 | 0.076 | 0.000 | 16.8 | 48 | 0.00 | 1368 | 1 | 100.0 | 60 |

| Date | Time | UV Dose | Hi UV | Heat D-D | Cool D-D | In Temp | In Hum | ET | Wind Samp | Wind Tx | ISS Receipt | Arc. Int. |
|---------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 6/11/03 | 1:00 | 0.00 | 0.0 | 0.104 | 0.000 | 16.1 | 49 | 0.00 | 1369 | 1 | 100.0 | 60 |
| 6/11/03 | 2:00 | 0.00 | 0.0 | 0.116 | 0.000 | 15.7 | 49 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 6/11/03 | 3:00 | 0.00 | 0.0 | 0.130 | 0.000 | 15.1 | 50 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 6/11/03 | 4:00 | 0.00 | 0.0 | 0.162 | 0.000 | 14.4 | 51 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 6/11/03 | 5:00 | 0.00 | 0.0 | 0.037 | 0.000 | 15.6 | 52 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 6/11/03 | 6:00 | 0.13 | 0.6 | 0.039 | 0.000 | 17.7 | 48 | 0.05 | 1368 | 1 | 100.0 | 60 |
| 6/11/03 | 7:00 | 0.51 | 1.9 | 0.000 | 0.051 | 21.8 | 46 | 0.15 | 1368 | 1 | 100.0 | 60 |
| 6/11/03 | 8:00 | 1.24 | 4.1 | 0.000 | 0.130 | 26.3 | 41 | 0.28 | 1368 | 1 | 100.0 | 60 |
| 6/11/03 | 9:00 | 2.40 | 7.0 | 0.000 | 0.178 | 28.5 | 41 | 0.41 | 1368 | 1 | 100.0 | 60 |
| 6/11/03 | 10:00 | 3.51 | 9.5 | 0.000 | 0.264 | 30.5 | 37 | 0.51 | 1331 | 1 | 97.3 | 60 |
| 6/11/03 | 11:00 | 4.11 | 11.2 | 0.000 | 0.350 | 34.4 | 31 | 0.53 | 1368 | 1 | 100.0 | 60 |
| 6/11/03 | 12:00 | 3.39 | 11.4 | 0.000 | 0.421 | 36.6 | 32 | 0.48 | 1368 | 1 | 100.0 | 60 |
| 6/11/03 | 13:00 | 3.26 | 9.8 | 0.000 | 0.481 | 37.8 | 32 | 0.53 | 1368 | 1 | 100.0 | 60 |
| 6/11/03 | 14:00 | 2.44 | 7.6 | 0.000 | 0.500 | 38.6 | 33 | 0.51 | 1368 | 1 | 100.0 | 60 |
| 6/11/03 | 15:00 | 1.11 | 4.8 | 0.000 | 0.465 | 37.1 | 35 | 0.23 | 1368 | 1 | 100.0 | 60 |
| 6/11/03 | 16:00 | 0.64 | 2.1 | 0.000 | 0.447 | 35.3 | 35 | 0.18 | 1368 | 1 | 100.0 | 60 |
| 6/11/03 | 17:00 | 0.30 | 1.1 | 0.000 | 0.456 | 35.6 | 37 | 0.15 | 1368 | 1 | 100.0 | 60 |
| 6/11/03 | 18:00 | 0.04 | 0.4 | 0.000 | 0.391 | 32.2 | 40 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 6/11/03 | 19:00 | 0.00 | 0.0 | 0.000 | 0.273 | 27.6 | 42 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 6/11/03 | 20:00 | 0.00 | 0.0 | 0.000 | 0.137 | 24.3 | 43 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 6/11/03 | 21:00 | 0.00 | 0.0 | 0.000 | 0.039 | 21.5 | 46 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 6/11/03 | 22:00 | 0.00 | 0.0 | 0.002 | 0.000 | 19.7 | 48 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 6/11/03 | 23:00 | 0.00 | 0.0 | 0.028 | 0.000 | 18.6 | 49 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 7/11/03 | 00:00 | 0.00 | 0.0 | 0.069 | 0.000 | 17.3 | 50 | 0.00 | 1368 | 1 | 100.0 | 60 |

Ivinhema 7/11/03

| Date | Time | UV Dose | Hi UV | Heat D-D | Cool D-D | In Temp | In Hum | ET | Wind Samp | Wind Tx | ISS Receipt | Arc. Int. |
|---------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 7/11/03 | 1:00 | 0.00 | 0.0 | 0.044 | 0.000 | 16.8 | 51 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 7/11/03 | 2:00 | 0.00 | 0.0 | 0.049 | 0.000 | 16.5 | 52 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 7/11/03 | 3:00 | 0.00 | 0.0 | 0.088 | 0.000 | 16.0 | 52 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 7/11/03 | 4:00 | 0.00 | 0.0 | 0.144 | 0.000 | 15.0 | 53 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 7/11/03 | 5:00 | 0.00 | 0.0 | 0.153 | 0.000 | 14.5 | 53 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 7/11/03 | 6:00 | 0.13 | 0.6 | 0.141 | 0.000 | 15.5 | 51 | 0.05 | 1368 | 1 | 100.0 | 60 |
| 7/11/03 | 7:00 | 0.47 | 1.8 | 0.000 | 0.046 | 21.2 | 47 | 0.15 | 1368 | 1 | 100.0 | 60 |
| 7/11/03 | 8:00 | 1.20 | 3.9 | 0.000 | 0.176 | 26.8 | 43 | 0.30 | 1368 | 1 | 100.0 | 60 |
| 7/11/03 | 9:00 | 2.23 | 6.8 | 0.000 | 0.257 | 29.6 | 42 | 0.43 | 1368 | 1 | 100.0 | 60 |
| 7/11/03 | 10:00 | 3.51 | 9.3 | 0.000 | 0.338 | 31.5 | 39 | 0.53 | 1369 | 1 | 100.0 | 60 |
| 7/11/03 | 11:00 | 4.37 | 10.8 | 0.000 | 0.421 | 35.4 | 31 | 0.58 | 1368 | 1 | 100.0 | 60 |
| 7/11/03 | 12:00 | 4.54 | 11.1 | 0.000 | 0.479 | 37.4 | 33 | 0.58 | 1368 | 1 | 100.0 | 60 |
| 7/11/03 | 13:00 | 3.94 | 10.7 | 0.000 | 0.544 | 38.5 | 33 | 0.56 | 1368 | 1 | 100.0 | 60 |
| 7/11/03 | 14:00 | 2.91 | 8.7 | 0.000 | 0.574 | 39.3 | 34 | 0.51 | 1368 | 1 | 100.0 | 60 |
| 7/11/03 | 15:00 | 1.76 | 5.8 | 0.000 | 0.613 | 39.6 | 34 | 0.38 | 1368 | 1 | 100.0 | 60 |
| 7/11/03 | 16:00 | 0.94 | 3.2 | 0.000 | 0.567 | 39.6 | 34 | 0.36 | 1368 | 1 | 100.0 | 60 |
| 7/11/03 | 17:00 | 0.30 | 1.2 | 0.000 | 0.519 | 37.4 | 38 | 0.13 | 1368 | 1 | 100.0 | 60 |
| 7/11/03 | 18:00 | 0.04 | 0.3 | 0.000 | 0.394 | 32.1 | 41 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 7/11/03 | 19:00 | 0.00 | 0.0 | 0.000 | 0.252 | 27.2 | 43 | 0.03 | 1331 | 1 | 97.3 | 60 |
| 7/11/03 | 20:00 | 0.00 | 0.0 | 0.000 | 0.160 | 24.1 | 44 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 7/11/03 | 21:00 | 0.00 | 0.0 | 0.000 | 0.076 | 21.6 | 47 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 7/11/03 | 22:00 | 0.00 | 0.0 | 0.032 | 0.000 | 19.2 | 49 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 7/11/03 | 23:00 | 0.00 | 0.0 | 0.072 | 0.000 | 17.2 | 51 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 8/11/03 | 00:00 | 0.00 | 0.0 | 0.076 | 0.000 | 16.2 | 51 | 0.00 | 1368 | 1 | 100.0 | 60 |

| Date | Time | UV Dose | Hi UV | Heat D-D | Cool D-D | In Temp | In Hum | ET | Wind Samp | Wind Tx | ISS Receipt | Arc. Int. |
|---------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 8/11/03 | 1:00 | 0.00 | 0.0 | 0.113 | 0.000 | 15.6 | 52 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 8/11/03 | 2:00 | 0.00 | 0.0 | 0.137 | 0.000 | 14.7 | 53 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 8/11/03 | 3:00 | 0.00 | 0.0 | 0.155 | 0.000 | 14.1 | 53 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 8/11/03 | 4:00 | 0.00 | 0.0 | 0.164 | 0.000 | 13.7 | 53 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 8/11/03 | 5:00 | 0.00 | 0.0 | 0.167 | 0.000 | 13.4 | 54 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 8/11/03 | 6:00 | 0.13 | 0.6 | 0.144 | 0.000 | 15.0 | 51 | 0.05 | 1368 | 1 | 100.0 | 60 |
| 8/11/03 | 7:00 | 0.51 | 1.9 | 0.000 | 0.044 | 20.6 | 48 | 0.15 | 1368 | 1 | 100.0 | 60 |
| 8/11/03 | 8:00 | 1.29 | 4.2 | 0.000 | 0.192 | 26.9 | 43 | 0.30 | 1368 | 1 | 100.0 | 60 |
| 8/11/03 | 9:00 | 2.40 | 7.0 | 0.000 | 0.308 | 30.4 | 41 | 0.43 | 1368 | 1 | 100.0 | 60 |
| 8/11/03 | 10:00 | 3.56 | 9.5 | 0.000 | 0.391 | 32.7 | 39 | 0.53 | 1368 | 1 | 100.0 | 60 |
| 8/11/03 | 11:00 | 4.37 | 10.7 | 0.000 | 0.475 | 36.3 | 30 | 0.63 | 1368 | 1 | 100.0 | 60 |
| 8/11/03 | 12:00 | 4.67 | 11.0 | 0.000 | 0.546 | 38.2 | 30 | 0.66 | 1368 | 1 | 100.0 | 60 |
| 8/11/03 | 13:00 | 4.24 | 10.7 | 0.000 | 0.593 | 39.6 | 31 | 0.63 | 1368 | 1 | 100.0 | 60 |
| 8/11/03 | 14:00 | 3.21 | 8.8 | 0.000 | 0.618 | 40.2 | 32 | 0.58 | 1308 | 1 | 95.6 | 60 |
| 8/11/03 | 15:00 | 2.01 | 6.1 | 0.000 | 0.623 | 40.6 | 32 | 0.48 | 1368 | 1 | 100.0 | 60 |
| 8/11/03 | 16:00 | 0.99 | 3.3 | 0.000 | 0.616 | 40.2 | 32 | 0.33 | 1368 | 1 | 100.0 | 60 |
| 8/11/03 | 17:00 | 0.34 | 1.3 | 0.000 | 0.569 | 38.6 | 34 | 0.18 | 1368 | 1 | 100.0 | 60 |
| 8/11/03 | 18:00 | 0.04 | 0.4 | 0.000 | 0.461 | 34.1 | 39 | 0.05 | 1368 | 1 | 100.0 | 60 |
| 8/11/03 | 19:00 | 0.00 | 0.0 | 0.000 | 0.345 | 28.7 | 40 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 8/11/03 | 20:00 | 0.00 | 0.0 | 0.000 | 0.271 | 25.7 | 42 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 8/11/03 | 21:00 | 0.00 | 0.0 | 0.000 | 0.157 | 23.3 | 43 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 8/11/03 | 22:00 | 0.00 | 0.0 | 0.021 | 0.000 | 19.6 | 46 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 8/11/03 | 23:00 | 0.00 | 0.0 | 0.000 | 0.002 | 18.1 | 47 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 9/11/03 | 00:00 | 0.00 | 0.0 | 0.079 | 0.000 | 16.7 | 49 | 0.00 | 1368 | 1 | 100.0 | 60 |

Ivinhema 9/11/03

| Date | Time | UV Dose | Hi UV | Heat D-D | Cool D-D | In Temp | In Hum | ET | Wind Samp | Wind Tx | ISS Receipt | Arc. Int. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 9/11/03 | 1:00 | 0.00 | 0.0 | 0.106 | 0.000 | 15.4 | 49 | 0.00 | 1369 | 1 | 100.0 | 60 |
| 9/11/03 | 2:00 | 0.00 | 0.0 | 0.097 | 0.000 | 14.6 | 49 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 9/11/03 | 3:00 | 0.00 | 0.0 | 0.178 | 0.000 | 13.5 | 50 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 9/11/03 | 4:00 | 0.00 | 0.0 | 0.187 | 0.000 | 13.2 | 50 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 9/11/03 | 5:00 | 0.00 | 0.0 | 0.245 | 0.000 | 12.4 | 51 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 9/11/03 | 6:00 | 0.13 | 0.6 | 0.169 | 0.000 | 13.9 | 49 | 0.05 | 1368 | 1 | 100.0 | 60 |
| 9/11/03 | 7:00 | 0.56 | 2.0 | 0.000 | 0.058 | 20.7 | 46 | 0.15 | 1368 | 1 | 100.0 | 60 |
| 9/11/03 | 8:00 | 1.33 | 4.4 | 0.000 | 0.262 | 27.9 | 41 | 0.30 | 1368 | 1 | 100.0 | 60 |
| 9/11/03 | 9:00 | 2.49 | 7.0 | 0.000 | 0.366 | 32.0 | 38 | 0.46 | 1368 | 1 | 100.0 | 60 |
| 9/11/03 | 10:00 | 3.60 | 9.5 | 0.000 | 0.461 | 34.4 | 35 | 0.56 | 1368 | 1 | 100.0 | 60 |
| 9/11/03 | 11:00 | 4.46 | 11.0 | 0.000 | 0.553 | 37.9 | 29 | 0.63 | 1368 | 1 | 100.0 | 60 |
| 9/11/03 | 12:00 | 4.71 | 11.1 | 0.000 | 0.616 | 39.7 | 29 | 0.69 | 1368 | 1 | 100.0 | 60 |
| 9/11/03 | 13:00 | 4.24 | 10.7 | 0.000 | 0.657 | 40.8 | 30 | 0.66 | 1293 | 1 | 94.5 | 60 |
| 9/11/03 | 14:00 | 3.26 | 8.9 | 0.000 | 0.678 | 41.4 | 30 | 0.58 | 1368 | 1 | 100.0 | 60 |
| 9/11/03 | 15:00 | 2.06 | 6.2 | 0.000 | 0.683 | 41.6 | 31 | 0.46 | 1368 | 1 | 100.0 | 60 |
| 9/11/03 | 16:00 | 0.99 | 3.4 | 0.000 | 0.676 | 41.2 | 31 | 0.33 | 1368 | 1 | 100.0 | 60 |
| 9/11/03 | 17:00 | 0.34 | 1.4 | 0.000 | 0.641 | 39.9 | 33 | 0.18 | 1368 | 1 | 100.0 | 60 |
| 9/11/03 | 18:00 | 0.04 | 0.4 | 0.000 | 0.509 | 35.3 | 37 | 0.05 | 1368 | 1 | 100.0 | 60 |
| 9/11/03 | 19:00 | 0.00 | 0.0 | 0.000 | 0.329 | 29.0 | 39 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 9/11/03 | 20:00 | 0.00 | 0.0 | 0.000 | 0.215 | 24.6 | 41 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 9/11/03 | 21:00 | 0.00 | 0.0 | 0.000 | 0.095 | 21.4 | 44 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 9/11/03 | 22:00 | 0.00 | 0.0 | 0.012 | 0.000 | 18.8 | 46 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 9/11/03 | 23:00 | 0.00 | 0.0 | 0.021 | 0.000 | 17.6 | 47 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 10/11/03 | 00:00 | 0.00 | 0.0 | 0.030 | 0.000 | 16.8 | 48 | 0.00 | 1368 | 1 | 100.0 | 60 |

Ivinhema 10/11/03

| Date | Time | UV Dose | Hi UV | Heat D-D | Cool D-D | In Temp | In Hum | ET | Wind Samp | Wind Tx | ISS Receipt | Arc. Int. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 10/11/03 | 1:00 | 0.00 | 0.0 | 0.053 | 0.000 | 16.3 | 48 | 0.00 | 1332 | 1 | 97.4 | 60 |
| 10/11/03 | 2:00 | 0.00 | 0.0 | 0.056 | 0.000 | 15.9 | 48 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 10/11/03 | 3:00 | 0.00 | 0.0 | 0.090 | 0.000 | 15.4 | 48 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 10/11/03 | 4:00 | 0.00 | 0.0 | 0.171 | 0.000 | 14.2 | 49 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 10/11/03 | 5:00 | 0.00 | 0.0 | 0.169 | 0.000 | 13.5 | 49 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 10/11/03 | 6:00 | 0.13 | 0.6 | 0.127 | 0.000 | 15.1 | 47 | 0.05 | 1368 | 1 | 100.0 | 60 |
| 10/11/03 | 7:00 | 0.51 | 1.9 | 0.000 | 0.093 | 21.9 | 44 | 0.18 | 1368 | 1 | 100.0 | 60 |
| 10/11/03 | 8:00 | 1.20 | 4.1 | 0.000 | 0.292 | 29.0 | 39 | 0.30 | 1367 | 1 | 99.9 | 60 |
| 10/11/03 | 9:00 | 2.19 | 6.2 | 0.000 | 0.405 | 33.2 | 36 | 0.41 | 1368 | 1 | 100.0 | 60 |
| 10/11/03 | 10:00 | 2.96 | 8.7 | 0.000 | 0.502 | 36.1 | 32 | 0.48 | 1368 | 1 | 100.0 | 60 |
| 10/11/03 | 11:00 | 3.47 | 10.4 | 0.000 | 0.600 | 39.4 | 29 | 0.53 | 1369 | 1 | 100.0 | 60 |
| 10/11/03 | 12:00 | 3.73 | 11.1 | 0.000 | 0.646 | 40.9 | 29 | 0.56 | 1368 | 1 | 100.0 | 60 |
| 10/11/03 | 13:00 | 3.51 | 9.6 | 0.000 | 0.715 | 41.9 | 30 | 0.58 | 1368 | 1 | 100.0 | 60 |
| 10/11/03 | 14:00 | 2.74 | 7.5 | 0.000 | 0.766 | 43.2 | 31 | 0.53 | 1368 | 1 | 100.0 | 60 |
| 10/11/03 | 15:00 | 1.80 | 5.5 | 0.000 | 0.757 | 43.3 | 31 | 0.43 | 1368 | 1 | 100.0 | 60 |
| 10/11/03 | 16:00 | 0.90 | 3.1 | 0.000 | 0.711 | 42.4 | 32 | 0.33 | 1368 | 1 | 100.0 | 60 |
| 10/11/03 | 17:00 | 0.34 | 1.3 | 0.000 | 0.683 | 40.9 | 34 | 0.15 | 1368 | 1 | 100.0 | 60 |
| 10/11/03 | 18:00 | 0.04 | 0.4 | 0.000 | 0.590 | 36.7 | 38 | 0.05 | 1368 | 1 | 100.0 | 60 |
| 10/11/03 | 19:00 | 0.00 | 0.0 | 0.000 | 0.391 | 30.4 | 40 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 10/11/03 | 20:00 | 0.00 | 0.0 | 0.000 | 0.252 | 26.2 | 43 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 10/11/03 | 21:00 | 0.00 | 0.0 | 0.000 | 0.181 | 23.3 | 45 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 10/11/03 | 22:00 | 0.00 | 0.0 | 0.000 | 0.093 | 21.3 | 47 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 10/11/03 | 23:00 | 0.00 | 0.0 | 0.000 | 0.051 | 19.4 | 48 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 11/11/03 | 00:00 | 0.00 | 0.0 | 0.000 | 0.062 | 18.9 | 49 | 0.00 | 1368 | 1 | 100.0 | 60 |

Ivinhema 11/11/03

| Date | Time | UV Dose | Hi UV | Heat D-D | Cool D-D | In Temp | In Hum | ET | Wind Samp | Wind Tx | ISS Receipt | Arc. Int. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 11/11/03 | 1:00 | 0.00 | 0.0 | 0.000 | 0.088 | 18.9 | 49 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 11/11/03 | 2:00 | 0.00 | 0.0 | 0.000 | 0.023 | 18.3 | 49 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 11/11/03 | 3:00 | 0.00 | 0.0 | 0.021 | 0.000 | 17.6 | 49 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 11/11/03 | 4:00 | 0.00 | 0.0 | 0.049 | 0.000 | 16.6 | 50 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 11/11/03 | 5:00 | 0.00 | 0.0 | 0.104 | 0.000 | 15.8 | 50 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 11/11/03 | 6:00 | 0.13 | 0.6 | 0.106 | 0.000 | 16.3 | 48 | 0.05 | 1368 | 1 | 100.0 | 60 |
| 11/11/03 | 7:00 | 0.51 | 1.9 | 0.000 | 0.113 | 22.3 | 45 | 0.15 | 1368 | 1 | 100.0 | 60 |
| 11/11/03 | 8:00 | 1.24 | 4.0 | 0.000 | 0.333 | 29.0 | 40 | 0.36 | 1368 | 1 | 100.0 | 60 |
| 11/11/03 | 9:00 | 2.27 | 6.7 | 0.000 | 0.447 | 32.9 | 38 | 0.53 | 1368 | 1 | 100.0 | 60 |
| 11/11/03 | 10:00 | 3.43 | 9.1 | 0.000 | 0.509 | 34.8 | 36 | 0.63 | 1368 | 1 | 100.0 | 60 |
| 11/11/03 | 11:00 | 4.24 | 10.5 | 0.000 | 0.609 | 38.2 | 28 | 0.74 | 1368 | 1 | 100.0 | 60 |
| 11/11/03 | 12:00 | 4.50 | 10.6 | 0.000 | 0.653 | 40.4 | 28 | 0.76 | 1368 | 1 | 100.0 | 60 |
| 11/11/03 | 13:00 | 4.07 | 10.2 | 0.000 | 0.692 | 41.6 | 27 | 0.71 | 1368 | 1 | 100.0 | 60 |
| 11/11/03 | 14:00 | 3.00 | 8.4 | 0.000 | 0.729 | 42.3 | 28 | 0.63 | 1368 | 1 | 100.0 | 60 |
| 11/11/03 | 15:00 | 1.80 | 5.6 | 0.000 | 0.745 | 42.6 | 28 | 0.48 | 1368 | 1 | 100.0 | 60 |
| 11/11/03 | 16:00 | 0.86 | 2.9 | 0.000 | 0.741 | 42.5 | 28 | 0.36 | 1368 | 1 | 100.0 | 60 |
| 11/11/03 | 17:00 | 0.30 | 1.3 | 0.000 | 0.697 | 41.0 | 31 | 0.20 | 1368 | 1 | 100.0 | 60 |
| 11/11/03 | 18:00 | 0.04 | 0.4 | 0.000 | 0.597 | 36.9 | 34 | 0.05 | 1368 | 1 | 100.0 | 60 |
| 11/11/03 | 19:00 | 0.00 | 0.0 | 0.000 | 0.495 | 32.5 | 37 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 11/11/03 | 20:00 | 0.00 | 0.0 | 0.000 | 0.361 | 29.2 | 39 | 0.03 | 1369 | 1 | 100.0 | 60 |
| 11/11/03 | 21:00 | 0.00 | 0.0 | 0.000 | 0.322 | 26.2 | 42 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 11/11/03 | 22:00 | 0.00 | 0.0 | 0.000 | 0.306 | 25.2 | 42 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 11/11/03 | 23:00 | 0.00 | 0.0 | 0.000 | 0.157 | 23.0 | 44 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 12/11/03 | 00:00 | 0.00 | 0.0 | 0.000 | 0.197 | 22.0 | 45 | 0.05 | 1368 | 1 | 100.0 | 60 |

Ivinhema 12/11/03

| Date | Time | UV Dose | Hi UV | Heat D-D | Cool D-D | In Temp | In Hum | ET | Wind Samp | Wind Tx | ISS Receipt | Arc. Int. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 12/11/03 | 1:00 | 0.00 | 0.0 | 0.000 | 0.215 | 22.8 | 45 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 12/11/03 | 2:00 | 0.00 | 0.0 | 0.000 | 0.162 | 21.9 | 45 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 12/11/03 | 3:00 | 0.00 | 0.0 | 0.000 | 0.150 | 21.4 | 46 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 12/11/03 | 4:00 | 0.00 | 0.0 | 0.000 | 0.153 | 21.6 | 46 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 12/11/03 | 5:00 | 0.00 | 0.0 | 0.000 | 0.086 | 20.6 | 46 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 12/11/03 | 6:00 | 0.13 | 0.6 | 0.000 | 0.213 | 22.6 | 44 | 0.08 | 1368 | 1 | 100.0 | 60 |
| 12/11/03 | 7:00 | 0.47 | 1.8 | 0.000 | 0.329 | 28.0 | 40 | 0.20 | 1368 | 1 | 100.0 | 60 |
| 12/11/03 | 8:00 | 1.24 | 4.0 | 0.000 | 0.433 | 32.6 | 37 | 0.36 | 1368 | 1 | 100.0 | 60 |
| 12/11/03 | 9:00 | 2.27 | 6.6 | 0.000 | 0.553 | 36.1 | 36 | 0.48 | 1368 | 1 | 100.0 | 60 |
| 12/11/03 | 10:00 | 3.43 | 9.4 | 0.000 | 0.657 | 38.4 | 34 | 0.66 | 1368 | 1 | 100.0 | 60 |
| 12/11/03 | 11:00 | 4.29 | 10.7 | 0.000 | 0.722 | 41.1 | 29 | 0.76 | 1368 | 1 | 100.0 | 60 |
| 12/11/03 | 12:00 | 4.16 | 11.2 | 0.000 | 0.762 | 42.8 | 29 | 0.71 | 1368 | 1 | 100.0 | 60 |
| 12/11/03 | 13:00 | 4.16 | 10.8 | 0.000 | 0.787 | 43.4 | 29 | 0.84 | 1368 | 1 | 100.0 | 60 |
| 12/11/03 | 14:00 | 3.09 | 8.7 | 0.000 | 0.803 | 43.7 | 29 | 0.74 | 1368 | 1 | 100.0 | 60 |
| 12/11/03 | 15:00 | 1.89 | 5.8 | 0.000 | 0.806 | 43.8 | 29 | 0.63 | 1368 | 1 | 100.0 | 60 |
| 12/11/03 | 16:00 | 0.94 | 3.3 | 0.000 | 0.787 | 43.3 | 29 | 0.48 | 1368 | 1 | 100.0 | 60 |
| 12/11/03 | 17:00 | 0.34 | 1.4 | 0.000 | 0.745 | 42.0 | 31 | 0.30 | 1368 | 1 | 100.0 | 60 |
| 12/11/03 | 18:00 | 0.04 | 0.4 | 0.000 | 0.623 | 37.8 | 35 | 0.10 | 1368 | 1 | 100.0 | 60 |
| 12/11/03 | 19:00 | 0.00 | 0.0 | 0.000 | 0.493 | 33.2 | 38 | 0.08 | 1330 | 1 | 97.2 | 60 |
| 12/11/03 | 20:00 | 0.00 | 0.0 | 0.000 | 0.405 | 30.6 | 40 | 0.05 | 1368 | 1 | 100.0 | 60 |
| 12/11/03 | 21:00 | 0.00 | 0.0 | 0.000 | 0.338 | 27.2 | 43 | 0.05 | 1368 | 1 | 100.0 | 60 |
| 12/11/03 | 22:00 | 0.00 | 0.0 | 0.000 | 0.273 | 25.8 | 44 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 12/11/03 | 23:00 | 0.00 | 0.0 | 0.000 | 0.285 | 25.0 | 45 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 13/11/03 | 00:00 | 0.00 | 0.0 | 0.000 | 0.273 | 24.9 | 45 | 0.03 | 1368 | 1 | 100.0 | 60 |

Ivinhema 13/11/03

| Date | Time | UV Dose | Hi UV | Heat D-D | Cool D-D | In Temp | In Hum | ET | Wind Samp | Wind Tx | ISS Receipt | Arc. Int. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 13/11/03 | 1:00 | 0.00 | 0.0 | 0.000 | 0.192 | 24.4 | 47 | 0.10 | 1369 | 1 | 100.0 | 60 |
| 13/11/03 | 2:00 | 0.00 | 0.0 | 0.000 | 0.065 | 21.0 | 49 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 13/11/03 | 3:00 | 0.00 | 0.0 | 0.000 | 0.067 | 20.2 | 50 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 13/11/03 | 4:00 | 0.00 | 0.0 | 0.000 | 0.074 | 20.1 | 51 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 13/11/03 | 5:00 | 0.00 | 0.0 | 0.000 | 0.069 | 20.2 | 51 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 13/11/03 | 6:00 | 0.00 | 0.0 | 0.000 | 0.074 | 20.2 | 51 | 0.00 | 1330 | 1 | 97.2 | 60 |
| 13/11/03 | 7:00 | 0.13 | 0.6 | 0.000 | 0.104 | 21.2 | 48 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 13/11/03 | 8:00 | 0.51 | 2.2 | 0.000 | 0.157 | 24.1 | 41 | 0.10 | 1368 | 1 | 100.0 | 60 |
| 13/11/03 | 9:00 | 0.94 | 4.2 | 0.000 | 0.167 | 26.9 | 39 | 0.15 | 1368 | 1 | 100.0 | 60 |
| 13/11/03 | 10:00 | 3.00 | 10.8 | 0.000 | 0.238 | 30.7 | 32 | 0.41 | 1368 | 1 | 100.0 | 60 |
| 13/11/03 | 11:00 | 4.03 | 12.5 | 0.000 | 0.315 | 34.3 | 29 | 0.56 | 1368 | 1 | 100.0 | 60 |
| 13/11/03 | 12:00 | 5.01 | 12.2 | 0.000 | 0.382 | 35.8 | 30 | 0.66 | 1368 | 1 | 100.0 | 60 |
| 13/11/03 | 13:00 | 4.59 | 11.4 | 0.000 | 0.442 | 37.1 | 30 | 0.69 | 1368 | 1 | 100.0 | 60 |
| 13/11/03 | 14:00 | 3.51 | 9.6 | 0.000 | 0.470 | 37.8 | 30 | 0.66 | 1368 | 1 | 100.0 | 60 |
| 13/11/03 | 15:00 | 2.23 | 6.7 | 0.000 | 0.444 | 37.6 | 30 | 0.56 | 1368 | 1 | 100.0 | 60 |
| 13/11/03 | 16:00 | 1.11 | 3.7 | 0.000 | 0.426 | 36.9 | 30 | 0.43 | 1368 | 1 | 100.0 | 60 |
| 13/11/03 | 17:00 | 0.39 | 1.5 | 0.000 | 0.366 | 34.8 | 34 | 0.28 | 1331 | 1 | 97.3 | 60 |
| 13/11/03 | 18:00 | 0.04 | 0.4 | 0.000 | 0.252 | 30.3 | 38 | 0.08 | 1368 | 1 | 100.0 | 60 |
| 13/11/03 | 19:00 | 0.00 | 0.0 | 0.000 | 0.106 | 24.8 | 39 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 13/11/03 | 20:00 | 0.00 | 0.0 | 0.000 | 0.030 | 21.8 | 41 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 13/11/03 | 21:00 | 0.00 | 0.0 | 0.016 | 0.000 | 19.7 | 44 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 13/11/03 | 22:00 | 0.00 | 0.0 | 0.060 | 0.000 | 17.5 | 47 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 13/11/03 | 23:00 | 0.00 | 0.0 | 0.109 | 0.000 | 16.1 | 48 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 14/11/03 | 00:00 | 0.00 | 0.0 | 0.111 | 0.000 | 15.4 | 49 | 0.00 | 1368 | 1 | 100.0 | 60 |

Ivinhema 14/11/03

| Date | Time | UV Dose | Hi UV | Heat D-D | Cool D-D | In Temp | In Hum | ET | Wind Samp | Wind Tx | ISS Receipt | Arc. Int. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 14/11/03 | 1:00 | 0.00 | 0.0 | 0.116 | 0.000 | 15.2 | 50 | 0.00 | 1369 | 1 | 100.0 | 60 |
| 14/11/03 | 2:00 | 0.00 | 0.0 | 0.146 | 0.000 | 14.5 | 50 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 14/11/03 | 3:00 | 0.00 | 0.0 | 0.171 | 0.000 | 13.8 | 51 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 14/11/03 | 4:00 | 0.00 | 0.0 | 0.204 | 0.000 | 13.2 | 51 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 14/11/03 | 5:00 | 0.00 | 0.0 | 0.225 | 0.000 | 12.3 | 51 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 14/11/03 | 6:00 | 0.13 | 0.7 | 0.164 | 0.000 | 14.3 | 48 | 0.05 | 1368 | 1 | 100.0 | 60 |
| 14/11/03 | 7:00 | 0.60 | 2.2 | 0.009 | 0.000 | 20.3 | 44 | 0.18 | 1368 | 1 | 100.0 | 60 |
| 14/11/03 | 8:00 | 1.50 | 4.6 | 0.000 | 0.120 | 25.8 | 39 | 0.30 | 1331 | 1 | 97.3 | 60 |
| 14/11/03 | 9:00 | 2.66 | 7.9 | 0.000 | 0.215 | 29.2 | 38 | 0.41 | 1368 | 1 | 100.0 | 60 |
| 14/11/03 | 10:00 | 3.86 | 10.5 | 0.000 | 0.308 | 32.1 | 37 | 0.51 | 1368 | 1 | 100.0 | 60 |
| 14/11/03 | 11:00 | 4.63 | 11.9 | 0.000 | 0.403 | 34.7 | 30 | 0.56 | 1368 | 1 | 100.0 | 60 |
| 14/11/03 | 12:00 | 4.71 | 12.9 | 0.000 | 0.468 | 37.8 | 30 | 0.58 | 1368 | 1 | 100.0 | 60 |
| 14/11/03 | 13:00 | 4.50 | 12.1 | 0.000 | 0.507 | 38.7 | 31 | 0.56 | 1368 | 1 | 100.0 | 60 |
| 14/11/03 | 14:00 | 3.34 | 9.7 | 0.000 | 0.532 | 38.9 | 32 | 0.51 | 1368 | 1 | 100.0 | 60 |
| 14/11/03 | 15:00 | 2.19 | 6.9 | 0.000 | 0.542 | 39.2 | 31 | 0.43 | 1368 | 1 | 100.0 | 60 |
| 14/11/03 | 16:00 | 1.07 | 3.7 | 0.000 | 0.528 | 39.0 | 31 | 0.33 | 1368 | 1 | 100.0 | 60 |
| 14/11/03 | 17:00 | 0.39 | 1.5 | 0.000 | 0.505 | 37.7 | 33 | 0.18 | 1368 | 1 | 100.0 | 60 |
| 14/11/03 | 18:00 | 0.04 | 0.4 | 0.000 | 0.421 | 33.9 | 37 | 0.05 | 1368 | 1 | 100.0 | 60 |
| 14/11/03 | 19:00 | 0.00 | 0.0 | 0.000 | 0.340 | 29.6 | 39 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 14/11/03 | 20:00 | 0.00 | 0.0 | 0.000 | 0.282 | 27.0 | 41 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 14/11/03 | 21:00 | 0.00 | 0.0 | 0.000 | 0.252 | 25.2 | 44 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 14/11/03 | 22:00 | 0.00 | 0.0 | 0.000 | 0.199 | 23.9 | 45 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 14/11/03 | 23:00 | 0.00 | 0.0 | 0.000 | 0.056 | 21.2 | 47 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 15/11/03 | 00:00 | 0.00 | 0.0 | 0.000 | 0.023 | 19.4 | 48 | 0.00 | 1368 | 1 | 100.0 | 60 |

Ivinhema 15/11/03

| Date | Time | UV Dose | Hi UV | Heat D-D | Cool D-D | In Temp | In Hum | ET | Wind Samp | Wind Tx | ISS Receipt | Arc. Int. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 15/11/03 | 1:00 | 0.00 | 0.0 | 0.000 | 0.016 | 18.8 | 49 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 15/11/03 | 2:00 | 0.00 | 0.0 | 0.000 | 0.065 | 19.2 | 49 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 15/11/03 | 3:00 | 0.00 | 0.0 | 0.000 | 0.044 | 19.4 | 50 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 15/11/03 | 4:00 | 0.00 | 0.0 | 0.000 | 0.030 | 18.9 | 50 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 15/11/03 | 5:00 | 0.00 | 0.0 | 0.000 | 0.162 | 20.4 | 51 | 0.03 | 1330 | 1 | 97.2 | 60 |
| 15/11/03 | 6:00 | 0.13 | 0.6 | 0.000 | 0.141 | 22.1 | 46 | 0.05 | 1368 | 1 | 100.0 | 60 |
| 15/11/03 | 7:00 | 0.51 | 1.8 | 0.000 | 0.204 | 25.5 | 41 | 0.18 | 1368 | 1 | 100.0 | 60 |
| 15/11/03 | 8:00 | 1.20 | 4.9 | 0.000 | 0.255 | 29.4 | 36 | 0.30 | 1368 | 1 | 100.0 | 60 |
| 15/11/03 | 9:00 | 1.76 | 5.4 | 0.000 | 0.294 | 31.8 | 34 | 0.30 | 1368 | 1 | 100.0 | 60 |
| 15/11/03 | 10:00 | 2.87 | 9.5 | 0.000 | 0.359 | 34.0 | 32 | 0.43 | 1368 | 1 | 100.0 | 60 |
| 15/11/03 | 11:00 | 4.03 | 12.3 | 0.000 | 0.419 | 36.3 | 30 | 0.53 | 1369 | 1 | 100.0 | 60 |
| 15/11/03 | 12:00 | 4.67 | 12.7 | 0.000 | 0.493 | 38.1 | 30 | 0.63 | 1368 | 1 | 100.0 | 60 |
| 15/11/03 | 13:00 | 4.29 | 11.6 | 0.000 | 0.542 | 39.2 | 30 | 0.63 | 1368 | 1 | 100.0 | 60 |
| 15/11/03 | 14:00 | 2.49 | 8.1 | 0.000 | 0.563 | 39.6 | 30 | 0.43 | 1368 | 1 | 100.0 | 60 |
| 15/11/03 | 15:00 | 1.84 | 6.4 | 0.000 | 0.579 | 39.7 | 31 | 0.41 | 1368 | 1 | 100.0 | 60 |
| 15/11/03 | 16:00 | 0.39 | 2.4 | 0.000 | 0.525 | 37.1 | 37 | 0.13 | 1368 | 1 | 100.0 | 60 |
| 15/11/03 | 17:00 | 0.00 | 0.3 | 0.000 | 0.475 | 33.5 | 38 | 0.05 | 1368 | 1 | 100.0 | 60 |
| 15/11/03 | 18:00 | 0.04 | 0.3 | 0.000 | 0.442 | 32.3 | 40 | 0.05 | 1368 | 1 | 100.0 | 60 |
| 15/11/03 | 19:00 | 0.00 | 0.0 | 0.000 | 0.387 | 30.1 | 43 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 15/11/03 | 20:00 | 0.00 | 0.0 | 0.000 | 0.354 | 27.6 | 46 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 15/11/03 | 21:00 | 0.00 | 0.0 | 0.000 | 0.324 | 27.2 | 48 | 0.10 | 1331 | 1 | 97.3 | 60 |
| 15/11/03 | 22:00 | 0.00 | 0.0 | 0.000 | 0.215 | 25.3 | 49 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 15/11/03 | 23:00 | 0.00 | 0.0 | 0.000 | 0.148 | 22.9 | 50 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 16/11/03 | 00:00 | 0.00 | 0.0 | 0.000 | 0.111 | 21.6 | 51 | 0.00 | 1368 | 1 | 100.0 | 60 |

Ivinhema 16/11/03

| Date | Time | UV Dose | Hi UV | Heat D-D | Cool D-D | In Temp | In Hum | ET | Wind Samp | Wind Tx | ISS Receipt | Arc. Int. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 16/11/03 | 1:00 | 0.00 | 0.0 | 0.000 | 0.144 | 21.5 | 52 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 16/11/03 | 2:00 | 0.00 | 0.0 | 0.000 | 0.162 | 21.9 | 52 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 16/11/03 | 3:00 | 0.00 | 0.0 | 0.000 | 0.176 | 22.1 | 53 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 16/11/03 | 4:00 | 0.00 | 0.0 | 0.000 | 0.183 | 22.5 | 53 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 16/11/03 | 5:00 | 0.00 | 0.0 | 0.000 | 0.181 | 22.5 | 54 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 16/11/03 | 6:00 | 0.13 | 0.7 | 0.000 | 0.213 | 23.8 | 51 | 0.08 | 1368 | 1 | 100.0 | 60 |
| 16/11/03 | 7:00 | 0.56 | 2.2 | 0.000 | 0.289 | 28.0 | 47 | 0.20 | 1368 | 1 | 100.0 | 60 |
| 16/11/03 | 8:00 | 1.11 | 3.6 | 0.000 | 0.370 | 31.3 | 41 | 0.30 | 1368 | 1 | 100.0 | 60 |
| 16/11/03 | 9:00 | 2.57 | 7.8 | 0.000 | 0.461 | 34.6 | 40 | 0.51 | 1368 | 1 | 100.0 | 60 |
| 16/11/03 | 10:00 | 3.86 | 10.4 | 0.000 | 0.532 | 35.9 | 41 | 0.61 | 1368 | 1 | 100.0 | 60 |
| 16/11/03 | 11:00 | 4.80 | 12.0 | 0.000 | 0.579 | 37.4 | 34 | 0.71 | 1368 | 1 | 100.0 | 60 |
| 16/11/03 | 12:00 | 5.01 | 12.3 | 0.000 | 0.632 | 40.1 | 34 | 0.71 | 1368 | 1 | 100.0 | 60 |
| 16/11/03 | 13:00 | 4.63 | 11.9 | 0.000 | 0.667 | 41.2 | 34 | 0.74 | 1368 | 1 | 100.0 | 60 |
| 16/11/03 | 14:00 | 2.74 | 9.9 | 0.000 | 0.650 | 41.3 | 35 | 0.51 | 1368 | 1 | 100.0 | 60 |
| 16/11/03 | 15:00 | 2.10 | 6.4 | 0.000 | 0.606 | 39.8 | 34 | 0.53 | 1368 | 1 | 100.0 | 60 |
| 16/11/03 | 16:00 | 1.07 | 3.7 | 0.000 | 0.627 | 40.3 | 34 | 0.41 | 1368 | 1 | 100.0 | 60 |
| 16/11/03 | 17:00 | 0.34 | 1.5 | 0.000 | 0.505 | 37.9 | 37 | 0.25 | 1368 | 1 | 100.0 | 60 |
| 16/11/03 | 18:00 | 0.04 | 0.4 | 0.000 | 0.368 | 32.7 | 41 | 0.10 | 1368 | 1 | 100.0 | 60 |
| 16/11/03 | 19:00 | 0.00 | 0.0 | 0.000 | 0.331 | 29.6 | 44 | 0.05 | 1368 | 1 | 100.0 | 60 |
| 16/11/03 | 20:00 | 0.00 | 0.0 | 0.000 | 0.294 | 27.5 | 48 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 16/11/03 | 21:00 | 0.00 | 0.0 | 0.000 | 0.259 | 25.8 | 51 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 16/11/03 | 22:00 | 0.00 | 0.0 | 0.000 | 0.225 | 24.6 | 53 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 16/11/03 | 23:00 | 0.00 | 0.0 | 0.000 | 0.194 | 23.6 | 54 | 0.03 | 1369 | 1 | 100.0 | 60 |
| 17/11/03 | 00:00 | 0.00 | 0.0 | 0.000 | 0.157 | 22.6 | 54 | 0.00 | 1368 | 1 | 100.0 | 60 |

Ivinhema 17/11/03

| Date | Time | UV Dose | Hi UV | Heat D-D | Cool D-D | In Temp | In Hum | ET | Wind Samp | Wind Tx | ISS Receipt | Arc. Int. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 17/11/03 | 1:00 | 0.00 | 0.0 | 0.000 | 0.155 | 22.0 | 55 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 17/11/03 | 2:00 | 0.00 | 0.0 | 0.000 | 0.146 | 21.9 | 56 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 17/11/03 | 3:00 | 0.00 | 0.0 | 0.000 | 0.144 | 22.2 | 55 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 17/11/03 | 4:00 | 0.00 | 0.0 | 0.000 | 0.032 | 20.0 | 59 | --- | 1368 | 1 | 100.0 | 60 |
| 17/11/03 | 5:00 | 0.00 | 0.0 | 0.000 | 0.062 | 19.1 | 60 | 0.05 | 1368 | 1 | 100.0 | 60 |
| 17/11/03 | 6:00 | 0.04 | 0.4 | 0.000 | 0.083 | 19.9 | 59 | 0.05 | 1368 | 1 | 100.0 | 60 |
| 17/11/03 | 7:00 | 0.30 | 1.4 | 0.000 | 0.093 | 21.4 | 51 | 0.10 | 1368 | 1 | 100.0 | 60 |
| 17/11/03 | 8:00 | 0.47 | 1.7 | 0.000 | 0.102 | 23.6 | 50 | 0.10 | 1368 | 1 | 100.0 | 60 |
| 17/11/03 | 9:00 | 0.56 | 2.1 | 0.000 | 0.074 | 23.2 | 53 | 0.08 | 1368 | 1 | 100.0 | 60 |
| 17/11/03 | 10:00 | 1.11 | 4.9 | 0.000 | 0.067 | 22.7 | 43 | 0.13 | 1368 | 1 | 100.0 | 60 |
| 17/11/03 | 11:00 | 3.13 | 13.7 | 0.000 | 0.157 | 27.8 | 36 | 0.30 | 1368 | 1 | 100.0 | 60 |
| 17/11/03 | 12:00 | 5.06 | 14.6 | 0.000 | 0.292 | 33.1 | 33 | 0.56 | 1368 | 1 | 100.0 | 60 |
| 17/11/03 | 13:00 | 4.71 | 12.5 | 0.000 | 0.368 | 35.6 | 34 | 0.58 | 1368 | 1 | 100.0 | 60 |
| 17/11/03 | 14:00 | 3.56 | 10.0 | 0.000 | 0.451 | 37.0 | 35 | 0.53 | 1368 | 1 | 100.0 | 60 |
| 17/11/03 | 15:00 | 2.19 | 7.4 | 0.000 | 0.500 | 38.0 | 38 | 0.46 | 1368 | 1 | 100.0 | 60 |
| 17/11/03 | 16:00 | 1.03 | 3.8 | 0.000 | 0.512 | 37.8 | 40 | 0.28 | 1368 | 1 | 100.0 | 60 |
| 17/11/03 | 17:00 | 0.30 | 1.3 | 0.000 | 0.475 | 35.3 | 43 | 0.13 | 1368 | 1 | 100.0 | 60 |
| 17/11/03 | 18:00 | 0.04 | 0.4 | 0.000 | 0.410 | 32.8 | 46 | 0.05 | 1368 | 1 | 100.0 | 60 |
| 17/11/03 | 19:00 | 0.00 | 0.0 | 0.000 | 0.350 | 29.8 | 50 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 17/11/03 | 20:00 | 0.00 | 0.0 | 0.000 | 0.308 | 27.7 | 55 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 17/11/03 | 21:00 | 0.00 | 0.0 | 0.000 | 0.278 | 26.2 | 57 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 17/11/03 | 22:00 | 0.00 | 0.0 | 0.000 | 0.257 | 25.3 | 58 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 17/11/03 | 23:00 | 0.00 | 0.0 | 0.000 | 0.229 | 24.4 | 59 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 18/11/03 | 00:00 | 0.00 | 0.0 | 0.000 | 0.197 | 23.6 | 59 | 0.00 | 1368 | 1 | 100.0 | 60 |

Ivinhema 18/11/03

| Date | Time | UV Dose | Hi UV | Heat D-D | Cool D-D | In Temp | In Hum | ET | Wind Samp | Wind Tx | ISS Receipt | Arc. Int. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 18/11/03 | 1:00 | 0.00 | 0.0 | 0.000 | 0.187 | 22.9 | 60 | 0.00 | 1369 | 1 | 100.0 | 60 |
| 18/11/03 | 2:00 | 0.00 | 0.0 | 0.000 | 0.187 | 22.8 | 60 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 18/11/03 | 3:00 | 0.00 | 0.0 | 0.000 | 0.176 | 22.6 | 61 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 18/11/03 | 4:00 | 0.00 | 0.0 | 0.000 | 0.169 | 22.4 | 61 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 18/11/03 | 5:00 | 0.00 | 0.0 | 0.000 | 0.178 | 22.4 | 61 | 0.00 | 1368 | 1 | 100.0 | 60 |
| 18/11/03 | 6:00 | 0.04 | 0.4 | 0.000 | 0.199 | 23.1 | 59 | 0.03 | 1368 | 1 | 100.0 | 60 |
| 18/11/03 | 7:00 | 0.26 | 1.0 | 0.000 | 0.231 | 24.9 | 53 | 0.08 | 1368 | 1 | 100.0 | 60 |
| 18/11/03 | 8:00 | 0.13 | 0.7 | 0.000 | 0.248 | 25.8 | 59 | 0.08 | 1368 | 1 | 100.0 | 60 |
| 18/11/03 | 9:00 | 0.26 | 1.7 | 0.014 | 0.000 | 20.9 | 57 | 0.05 | 1368 | 1 | 100.0 | 60 |
| 18/11/03 | 10:00 | 1.03 | 3.9 | 0.000 | 0.046 | 22.6 | 47 | 0.13 | 1331 | 1 | 97.3 | 60 |
| 18/11/03 | 11:00 | 1.41 | 4.5 | 0.000 | 0.076 | 24.4 | 42 | 0.15 | 1368 | 1 | 100.0 | 60 |
| 18/11/03 | 12:00 | 1.07 | 4.1 | 0.000 | 0.104 | 26.0 | 47 | 0.13 | 1368 | 1 | 100.0 | 60 |
| 18/11/03 | 13:00 | 1.29 | 4.1 | 0.000 | 0.132 | 26.4 | 44 | 0.13 | 1368 | 1 | 100.0 | 60 |
| 18/11/03 | 14:00 | 0.94 | 2.8 | 0.000 | 0.123 | 26.2 | 45 | 0.13 | 1368 | 1 | 100.0 | 60 |
| 18/11/03 | 15:00 | 0.90 | 2.5 | 0.000 | 0.132 | 26.6 | 45 | 0.15 | 1368 | 1 | 100.0 | 60 |
| 18/11/03 | 16:00 | 0.34 | 1.3 | 0.000 | 0.118 | 25.3 | 51 | 0.08 | 1368 | 1 | 100.0 | 60 |
| 18/11/03 | 17:00 | 0.17 | 0.5 | 0.000 | 0.081 | 22.7 | 56 | 0.05 | 1368 | 1 | 100.0 | 60 |
| 18/11/03 | 18:00 | 0.00 | 0.3 | 0.000 | 0.065 | 20.9 | 61 | 0.03 | 1368 | 1 | 100.0 | 60 |