

## Ivinhema 1/09/08

| Date    | Time  | Temp<br>Out | Hi<br>Temp | Low<br>Temp | Out<br>Hum | Dew  | Wind<br>Speed | Dir | Wind<br>Run | Hi<br>Speed | Hi<br>Dir | Wind<br>Chill | Heat<br>Index | THW  | Bar   | Rain | Rain<br>Rate | Solar<br>Rad. | Solar<br>Energy | Hi<br>Solar<br>Rad. | Solar<br>UV |
|---------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 1/09/08 | 1:00  | 14.7        | 15.3       | 14.3        | 71         | 9.5  | 4.8           | ENE | 4.83        | 19.3        | ENE       | 14.6          | 14.2          | 13.8 | 757.4 | 0.0  | 0.0          | 5             | 0.43            | 5                   | 0.0         |
| 1/09/08 | 2:00  | 14.8        | 15.3       | 14.4        | 76         | 10.6 | 8.0           | ENE | 8.05        | 12.9        | ENE       | 14.0          | 14.6          | 13.4 | 756.9 | 0.0  | 0.0          | 5             | 0.43            | 5                   | 0.0         |
| 1/09/08 | 3:00  | 14.8        | 15.2       | 14.3        | 80         | 11.4 | 9.7           | E   | 9.66        | 19.3        | E         | 13.8          | 14.9          | 13.3 | 756.6 | 0.0  | 0.0          | 5             | 0.43            | 5                   | 0.0         |
| 1/09/08 | 4:00  | 14.4        | 15.0       | 14.2        | 82         | 11.4 | 9.7           | E   | 9.66        | 16.1        | E         | 13.3          | 14.4          | 12.8 | 756.6 | 0.0  | 0.0          | 5             | 0.43            | 5                   | 0.0         |
| 1/09/08 | 5:00  | 14.6        | 14.7       | 14.4        | 82         | 11.5 | 12.9          | E   | 12.87       | 19.3        | E         | 13.1          | 14.7          | 12.4 | 757.2 | 0.0  | 0.0          | 5             | 0.43            | 5                   | 0.0         |
| 1/09/08 | 6:00  | 14.6        | 14.8       | 14.4        | 83         | 11.8 | 12.9          | E   | 12.87       | 20.9        | E         | 13.2          | 14.7          | 12.4 | 757.8 | 0.0  | 0.0          | 10            | 0.86            | 30                  | 0.0         |
| 1/09/08 | 7:00  | 15.7        | 17.0       | 14.5        | 76         | 11.5 | 12.9          | E   | 12.87       | 22.5        | ENE       | 14.6          | 15.6          | 13.4 | 757.9 | 0.0  | 0.0          | 127           | 10.92           | 238                 | 0.2         |
| 1/09/08 | 8:00  | 18.2        | 19.4       | 17.0        | 66         | 11.7 | 20.9          | E   | 20.92       | 30.6        | E         | 17.1          | 17.9          | 14.5 | 758.2 | 0.0  | 0.0          | 325           | 27.95           | 431                 | 1.0         |
| 1/09/08 | 9:00  | 20.6        | 21.9       | 19.4        | 62         | 13.1 | 19.3          | E   | 19.31       | 35.4        | ENE       | 20.4          | 20.6          | 17.7 | 758.5 | 0.0  | 0.0          | 497           | 42.75           | 589                 | 2.4         |
| 1/09/08 | 10:00 | 22.5        | 23.4       | 21.6        | 55         | 13.0 | 19.3          | E   | 19.31       | 29.0        | E         | 22.5          | 22.3          | 19.6 | 758.2 | 0.0  | 0.0          | 646           | 55.56           | 702                 | 4.1         |
| 1/09/08 | 11:00 | 23.2        | 24.1       | 22.3        | 54         | 13.3 | 11.3          | E   | 11.27       | 19.3        | E         | 23.2          | 23.1          | 21.9 | 759.1 | 0.0  | 0.0          | 636           | 54.70           | 656                 | 4.4         |
| 1/09/08 | 12:00 | 24.6        | 25.4       | 23.9        | 54         | 14.7 | 9.7           | E   | 9.66        | 19.3        | ESE       | 24.6          | 24.6          | 23.8 | 758.1 | 0.0  | 0.0          | 658           | 56.60           | 662                 | 4.7         |
| 1/09/08 | 13:00 | 25.9        | 26.6       | 25.4        | 50         | 14.7 | 8.0           | E   | 8.05        | 19.3        | ESE       | 25.9          | 25.9          | 25.6 | 757.3 | 0.0  | 0.0          | 624           | 53.67           | 651                 | 4.2         |
| 1/09/08 | 14:00 | 27.2        | 27.8       | 26.6        | 48         | 15.2 | 8.0           | ESE | 8.05        | 19.3        | E         | 27.2          | 27.3          | 27.0 | 756.2 | 0.0  | 0.0          | 541           | 46.53           | 588                 | 3.0         |
| 1/09/08 | 15:00 | 28.1        | 28.2       | 27.7        | 44         | 14.7 | 8.0           | ESE | 8.05        | 17.7        | E         | 28.1          | 28.4          | 28.1 | 755.8 | 0.0  | 0.0          | 412           | 35.44           | 482                 | 1.7         |
| 1/09/08 | 16:00 | 27.9        | 28.1       | 27.7        | 47         | 15.6 | 6.4           | ESE | 6.44        | 17.7        | ESE       | 27.9          | 28.6          | 28.6 | 755.5 | 0.0  | 0.0          | 210           | 18.06           | 324                 | 0.7         |
| 1/09/08 | 17:00 | 26.8        | 27.6       | 25.7        | 50         | 15.5 | 4.8           | ESE | 4.83        | 11.3        | SE        | 26.8          | 26.8          | 26.8 | 755.5 | 0.0  | 0.0          | 59            | 5.07            | 137                 | 0.1         |
| 1/09/08 | 18:00 | 24.3        | 25.7       | 22.6        | 63         | 16.8 | 0.0           | ESE | 0.00        | 4.8         | ESE       | 24.3          | 24.6          | 24.6 | 755.3 | 0.0  | 0.0          | 2             | 0.17            | 18                  | 0.0         |
| 1/09/08 | 19:00 | 21.4        | 22.6       | 20.8        | 66         | 14.8 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.4          | 21.4          | 21.4 | 755.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 1/09/08 | 20:00 | 20.0        | 20.8       | 18.2        | 74         | 15.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 20.0          | 20.4          | 20.4 | 756.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 1/09/08 | 21:00 | 15.9        | 18.2       | 14.9        | 88         | 13.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 15.9          | 16.2          | 16.2 | 756.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 1/09/08 | 22:00 | 14.9        | 15.1       | 14.6        | 89         | 13.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 14.9          | 15.1          | 15.1 | 756.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 1/09/08 | 23:00 | 14.4        | 15.0       | 14.2        | 91         | 12.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 14.4          | 14.6          | 14.6 | 755.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 2/09/08 | 00:00 | 13.4        | 15.3       | 12.4        | 93         | 12.3 | 0.0           | W   | 0.00        | 1.6         | W         | 13.4          | 13.5          | 13.5 | 755.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 2/09/08

| Date    | Time  | Temp<br>Out | Hi<br>Temp | Low<br>Temp | Out<br>Hum | Dew  | Wind<br>Speed | Dir | Wind<br>Run | Hi<br>Speed | Hi<br>Dir | Wind<br>Chill | Heat<br>Index | THW  | Bar   | Rain | Rain<br>Rate | Solar<br>Rad. | Solar<br>Energy | Hi<br>Solar<br>Rad. | Solar<br>UV |
|---------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 2/09/08 | 1:00  | 12.3        | 12.7       | 11.6        | 92         | 11.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 12.3          | 12.4          | 12.4 | 755.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 2/09/08 | 2:00  | 11.7        | 12.1       | 11.2        | 93         | 10.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 11.7          | 11.9          | 11.9 | 754.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 2/09/08 | 3:00  | 11.7        | 12.7       | 11.4        | 95         | 10.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 11.7          | 11.8          | 11.8 | 754.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 2/09/08 | 4:00  | 12.8        | 13.3       | 12.3        | 92         | 11.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 12.8          | 12.9          | 12.9 | 754.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 2/09/08 | 5:00  | 13.5        | 13.7       | 12.4        | 89         | 11.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 13.5          | 13.6          | 13.6 | 755.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 2/09/08 | 6:00  | 12.4        | 13.7       | 10.8        | 92         | 11.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 12.4          | 12.5          | 12.5 | 756.0 | 0.0  | 0.0          | 5             | 0.43            | 26                  | 0.0         |
| 2/09/08 | 7:00  | 12.8        | 15.5       | 10.9        | 88         | 10.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 12.8          | 12.9          | 12.9 | 756.3 | 0.0  | 0.0          | 104           | 8.95            | 172                 | 0.2         |
| 2/09/08 | 8:00  | 18.2        | 20.5       | 15.6        | 65         | 11.5 | 6.4           | E   | 6.44        | 17.7        | ENE       | 18.2          | 18.0          | 17.7 | 756.5 | 0.0  | 0.0          | 283           | 24.34           | 373                 | 0.9         |
| 2/09/08 | 9:00  | 22.0        | 23.4       | 20.5        | 55         | 12.5 | 11.3          | E   | 11.27       | 20.9        | ENE       | 22.0          | 21.6          | 20.2 | 756.5 | 0.0  | 0.0          | 442           | 38.02           | 507                 | 1.9         |
| 2/09/08 | 10:00 | 24.8        | 25.9       | 23.6        | 46         | 12.4 | 14.5          | E   | 14.48       | 27.4        | E         | 24.8          | 24.4          | 22.9 | 756.0 | 0.0  | 0.0          | 560           | 48.17           | 605                 | 3.2         |
| 2/09/08 | 11:00 | 27.2        | 28.6       | 25.9        | 38         | 11.6 | 16.1          | E   | 16.09       | 27.4        | E         | 27.2          | 26.9          | 25.6 | 755.4 | 0.0  | 0.0          | 634           | 54.53           | 656                 | 4.2         |
| 2/09/08 | 12:00 | 29.3        | 29.9       | 28.6        | 38         | 13.5 | 14.5          | E   | 14.48       | 25.7        | ENE       | 29.3          | 29.1          | 28.1 | 754.5 | 0.0  | 0.0          | 646           | 55.56           | 681                 | 4.4         |
| 2/09/08 | 13:00 | 30.3        | 30.7       | 29.9        | 36         | 13.6 | 12.9          | E   | 12.87       | 22.5        | E         | 30.3          | 29.9          | 29.3 | 753.4 | 0.0  | 0.0          | 613           | 52.72           | 642                 | 3.9         |
| 2/09/08 | 14:00 | 30.9        | 31.3       | 30.7        | 36         | 14.1 | 11.3          | E   | 11.27       | 25.7        | ESE       | 30.9          | 30.6          | 30.2 | 752.5 | 0.0  | 0.0          | 524           | 45.07           | 582                 | 2.8         |
| 2/09/08 | 15:00 | 31.2        | 31.3       | 31.1        | 36         | 14.3 | 9.7           | E   | 9.66        | 20.9        | E         | 31.2          | 30.9          | 30.6 | 751.7 | 0.0  | 0.0          | 398           | 34.23           | 473                 | 1.6         |
| 2/09/08 | 16:00 | 31.0        | 31.3       | 30.1        | 42         | 16.6 | 8.0           | E   | 8.05        | 17.7        | E         | 31.0          | 31.4          | 31.3 | 751.4 | 0.0  | 0.0          | 203           | 17.46           | 310                 | 0.7         |
| 2/09/08 | 17:00 | 28.9        | 30.1       | 27.9        | 45         | 15.8 | 9.7           | E   | 9.66        | 17.7        | ESE       | 28.9          | 29.4          | 29.0 | 751.6 | 0.0  | 0.0          | 54            | 4.64            | 116                 | 0.1         |
| 2/09/08 | 18:00 | 27.3        | 27.9       | 26.7        | 44         | 14.0 | 9.7           | E   | 9.66        | 17.7        | E         | 27.3          | 27.4          | 26.8 | 752.1 | 0.0  | 0.0          | 0             | 0.00            | 9                   | 0.0         |
| 2/09/08 | 19:00 | 26.6        | 27.4       | 25.5        | 52         | 15.9 | 4.8           | E   | 4.83        | 16.1        | E         | 26.6          | 26.8          | 26.8 | 752.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 2/09/08 | 20:00 | 22.2        | 25.5       | 21.2        | 67         | 15.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.2          | 22.3          | 22.3 | 752.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 2/09/08 | 21:00 | 20.7        | 22.1       | 18.9        | 76         | 16.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 20.7          | 21.3          | 21.3 | 752.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 2/09/08 | 22:00 | 19.4        | 19.8       | 19.1        | 67         | 13.2 | 3.2           | NNE | 3.22        | 9.7         | NNE       | 19.4          | 19.4          | 19.4 | 753.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 2/09/08 | 23:00 | 19.3        | 19.8       | 18.9        | 63         | 12.1 | 3.2           | NE  | 3.22        | 9.7         | NE        | 19.3          | 19.2          | 19.2 | 753.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 3/09/08 | 00:00 | 19.6        | 20.1       | 19.1        | 67         | 13.3 | 6.4           | NE  | 6.44        | 11.3        | NE        | 19.6          | 19.6          | 19.4 | 753.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 3/09/08

| Date    | Time  | Temp<br>Out | Hi<br>Temp | Low<br>Temp | Out<br>Hum | Dew  | Wind<br>Speed | Dir | Wind<br>Run | Hi<br>Speed | Hi<br>Dir | Wind<br>Chill | Heat<br>Index | THW  | Bar   | Rain | Rain<br>Rate | Solar<br>Rad. | Solar<br>Energy | Hi<br>Solar<br>Rad. | Solar<br>UV |
|---------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 3/09/08 | 1:00  | 18.7        | 19.1       | 18.2        | 71         | 13.3 | 3.2           | ENE | 3.22        | 11.3        | ENE       | 18.7          | 18.6          | 18.6 | 752.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 3/09/08 | 2:00  | 18.4        | 18.6       | 17.9        | 75         | 13.9 | 1.6           | ENE | 1.61        | 4.8         | ENE       | 18.4          | 18.6          | 18.6 | 752.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 3/09/08 | 3:00  | 17.9        | 19.1       | 16.1        | 82         | 14.8 | 1.6           | E   | 1.61        | 9.7         | E         | 17.9          | 18.4          | 18.4 | 753.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 3/09/08 | 4:00  | 15.8        | 16.7       | 14.8        | 86         | 13.5 | 0.0           | NE  | 0.00        | 1.6         | NE        | 15.8          | 16.1          | 16.1 | 753.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 3/09/08 | 5:00  | 14.2        | 15.4       | 13.2        | 89         | 12.4 | 0.0           | NW  | 0.00        | 8.0         | NW        | 14.2          | 14.3          | 14.3 | 754.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 3/09/08 | 6:00  | 15.2        | 15.8       | 13.6        | 82         | 12.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 15.2          | 15.4          | 15.4 | 754.6 | 0.0  | 0.0          | 5             | 0.43            | 26                  | 0.0         |
| 3/09/08 | 7:00  | 15.7        | 17.5       | 14.8        | 84         | 13.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 15.7          | 15.9          | 15.9 | 755.3 | 0.0  | 0.0          | 106           | 9.12            | 165                 | 0.2         |
| 3/09/08 | 8:00  | 19.8        | 22.4       | 17.5        | 66         | 13.2 | 3.2           | E   | 3.22        | 12.9        | ENE       | 19.8          | 19.8          | 19.8 | 755.5 | 0.0  | 0.0          | 223           | 19.18           | 308                 | 0.7         |
| 3/09/08 | 9:00  | 24.0        | 25.3       | 22.4        | 55         | 14.4 | 9.7           | E   | 9.66        | 19.3        | ENE       | 24.0          | 24.0          | 23.2 | 755.5 | 0.0  | 0.0          | 394           | 33.89           | 500                 | 1.6         |
| 3/09/08 | 10:00 | 26.4        | 27.8       | 25.3        | 43         | 12.9 | 9.7           | E   | 9.66        | 19.3        | E         | 26.4          | 26.4          | 25.8 | 755.0 | 0.0  | 0.0          | 530           | 45.59           | 574                 | 2.8         |
| 3/09/08 | 11:00 | 28.8        | 29.6       | 27.8        | 44         | 15.3 | 9.7           | E   | 9.66        | 19.3        | ESE       | 28.8          | 29.2          | 28.7 | 754.0 | 0.0  | 0.0          | 610           | 52.47           | 640                 | 3.7         |
| 3/09/08 | 12:00 | 31.3        | 32.2       | 29.6        | 40         | 16.1 | 9.7           | E   | 9.66        | 22.5        | NE        | 31.3          | 31.7          | 31.4 | 753.2 | 0.0  | 0.0          | 641           | 55.13           | 651                 | 4.0         |
| 3/09/08 | 13:00 | 32.8        | 33.2       | 32.2        | 36         | 15.8 | 9.7           | E   | 9.66        | 19.3        | ENE       | 32.8          | 33.4          | 33.2 | 752.1 | 0.0  | 0.0          | 608           | 52.29           | 633                 | 3.6         |
| 3/09/08 | 14:00 | 33.6        | 34.1       | 33.1        | 36         | 16.5 | 8.0           | E   | 8.05        | 19.3        | ESE       | 33.6          | 34.6          | 34.5 | 751.4 | 0.0  | 0.0          | 520           | 44.73           | 574                 | 2.7         |
| 3/09/08 | 15:00 | 33.8        | 34.1       | 33.6        | 33         | 15.3 | 6.4           | E   | 6.44        | 16.1        | ESE       | 33.8          | 34.4          | 34.4 | 751.2 | 0.0  | 0.0          | 392           | 33.72           | 449                 | 1.5         |
| 3/09/08 | 16:00 | 33.2        | 34.0       | 32.4        | 36         | 16.1 | 8.0           | ESE | 8.05        | 25.7        | N         | 33.2          | 33.9          | 33.8 | 751.3 | 0.0  | 0.0          | 195           | 16.77           | 297                 | 0.6         |
| 3/09/08 | 17:00 | 31.1        | 32.4       | 29.7        | 41         | 16.3 | 3.2           | E   | 3.22        | 11.3        | E         | 31.1          | 31.3          | 31.3 | 751.4 | 0.0  | 0.0          | 53            | 4.56            | 100                 | 0.1         |
| 3/09/08 | 18:00 | 28.7        | 29.9       | 27.3        | 51         | 17.5 | 4.8           | E   | 4.83        | 9.7         | E         | 28.7          | 29.7          | 29.7 | 751.8 | 0.0  | 0.0          | 2             | 0.17            | 12                  | 0.0         |
| 3/09/08 | 19:00 | 25.1        | 27.3       | 24.1        | 59         | 16.5 | 6.4           | ENE | 6.44        | 9.7         | ENE       | 25.1          | 25.2          | 25.2 | 752.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 3/09/08 | 20:00 | 23.8        | 24.4       | 23.3        | 55         | 14.2 | 6.4           | ENE | 6.44        | 16.1        | E         | 23.8          | 23.8          | 23.8 | 752.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 3/09/08 | 21:00 | 22.6        | 24.2       | 21.3        | 66         | 15.9 | 3.2           | NE  | 3.22        | 11.3        | E         | 22.6          | 23.0          | 23.0 | 752.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 3/09/08 | 22:00 | 20.2        | 21.3       | 19.8        | 73         | 15.2 | 0.0           | N   | 0.00        | 9.7         | NNW       | 20.2          | 20.5          | 20.5 | 753.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 3/09/08 | 23:00 | 20.9        | 21.3       | 19.8        | 70         | 15.3 | 6.4           | E   | 6.44        | 17.7        | N         | 20.9          | 20.9          | 20.9 | 753.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 4/09/08 | 00:00 | 20.9        | 21.3       | 20.6        | 68         | 14.8 | 6.4           | E   | 6.44        | 17.7        | E         | 20.9          | 20.9          | 20.9 | 752.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 4/09/08

| Date    | Time  | Temp<br>Out | Hi<br>Temp | Low<br>Temp | Out<br>Hum | Dew  | Wind<br>Speed | Dir | Wind<br>Run | Hi<br>Speed | Hi<br>Dir | Wind<br>Chill | Heat<br>Index | THW  | Bar   | Rain | Rain<br>Rate | Solar<br>Rad. | Solar<br>Energy | Hi<br>Solar<br>Rad. | Solar<br>UV |
|---------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 4/09/08 | 1:00  | 20.8        | 21.3       | 20.3        | 72         | 15.5 | 6.4           | E   | 6.44        | 11.3        | E         | 20.8          | 21.0          | 20.9 | 752.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 4/09/08 | 2:00  | 20.4        | 20.6       | 19.3        | 76         | 16.0 | 3.2           | E   | 3.22        | 9.7         | E         | 20.4          | 21.0          | 21.0 | 752.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 4/09/08 | 3:00  | 18.6        | 19.3       | 18.2        | 77         | 14.4 | 0.0           | ENE | 0.00        | 9.7         | ENE       | 18.6          | 19.0          | 19.0 | 753.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 4/09/08 | 4:00  | 17.4        | 18.9       | 16.9        | 82         | 14.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 17.4          | 17.9          | 17.9 | 753.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 4/09/08 | 5:00  | 17.7        | 18.3       | 16.9        | 75         | 13.2 | 3.2           | ENE | 3.22        | 11.3        | E         | 17.7          | 17.8          | 17.8 | 753.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 4/09/08 | 6:00  | 18.3        | 18.6       | 18.1        | 76         | 14.0 | 6.4           | ENE | 6.44        | 11.3        | ENE       | 18.3          | 18.7          | 18.3 | 754.3 | 0.0  | 0.0          | 4             | 0.34            | 28                  | 0.0         |
| 4/09/08 | 7:00  | 20.6        | 22.8       | 17.9        | 58         | 12.1 | 11.3          | E   | 11.27       | 20.9        | E         | 20.6          | 20.4          | 18.9 | 754.4 | 0.0  | 0.0          | 115           | 9.89            | 197                 | 0.2         |
| 4/09/08 | 8:00  | 24.2        | 25.4       | 22.8        | 51         | 13.4 | 11.3          | E   | 11.27       | 20.9        | ENE       | 24.2          | 24.2          | 23.1 | 754.9 | 0.0  | 0.0          | 275           | 23.65           | 364                 | 0.7         |
| 4/09/08 | 9:00  | 26.3        | 27.3       | 25.5        | 47         | 14.1 | 12.9          | ENE | 12.87       | 22.5        | NE        | 26.3          | 26.3          | 25.2 | 755.3 | 0.0  | 0.0          | 427           | 36.73           | 524                 | 1.5         |
| 4/09/08 | 10:00 | 27.7        | 28.1       | 27.3        | 49         | 16.0 | 8.0           | E   | 8.05        | 20.9        | ENE       | 27.7          | 28.4          | 28.1 | 755.3 | 0.0  | 0.0          | 343           | 29.50           | 642                 | 1.9         |
| 4/09/08 | 11:00 | 29.2        | 31.1       | 28.1        | 43         | 15.3 | 4.8           | ESE | 4.83        | 11.3        | ESE       | 29.2          | 29.4          | 29.4 | 754.5 | 0.0  | 0.0          | 508           | 43.69           | 670                 | 2.9         |
| 4/09/08 | 12:00 | 31.9        | 32.3       | 31.1        | 40         | 16.6 | 4.8           | E   | 4.83        | 11.3        | ESE       | 31.9          | 32.7          | 32.7 | 753.6 | 0.0  | 0.0          | 635           | 54.62           | 663                 | 3.6         |
| 4/09/08 | 13:00 | 32.3        | 33.0       | 32.1        | 41         | 17.4 | 1.6           | E   | 1.61        | 9.7         | E         | 32.3          | 33.6          | 33.6 | 753.0 | 0.0  | 0.0          | 590           | 50.75           | 619                 | 3.4         |
| 4/09/08 | 14:00 | 33.9        | 35.7       | 33.1        | 26         | 11.7 | 3.2           | NW  | 3.22        | 29.0        | WNW       | 33.9          | 33.1          | 33.1 | 752.2 | 0.0  | 0.0          | 499           | 42.92           | 556                 | 2.3         |
| 4/09/08 | 15:00 | 35.7        | 36.0       | 35.6        | 28         | 14.4 | 16.1          | NW  | 16.09       | 30.6        | WNW       | 35.7          | 36.0          | 36.0 | 752.0 | 0.0  | 0.0          | 369           | 31.74           | 438                 | 1.3         |
| 4/09/08 | 16:00 | 35.3        | 35.7       | 34.0        | 31         | 15.6 | 3.2           | NW  | 3.22        | 20.9        | WNW       | 35.3          | 35.8          | 35.8 | 752.1 | 0.0  | 0.0          | 201           | 17.29           | 290                 | 0.5         |
| 4/09/08 | 17:00 | 32.4        | 33.8       | 31.2        | 38         | 16.2 | 1.6           | NW  | 1.61        | 12.9        | NW        | 32.4          | 33.1          | 33.1 | 752.2 | 0.0  | 0.0          | 46            | 3.96            | 99                  | 0.0         |
| 4/09/08 | 18:00 | 29.6        | 31.2       | 27.3        | 56         | 19.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 29.6          | 31.5          | 31.5 | 752.3 | 0.0  | 0.0          | 1             | 0.09            | 11                  | 0.0         |
| 4/09/08 | 19:00 | 24.9        | 27.3       | 23.9        | 61         | 16.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 24.9          | 25.0          | 25.0 | 753.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 4/09/08 | 20:00 | 24.3        | 25.3       | 23.7        | 65         | 17.3 | 3.2           | WSW | 3.22        | 20.9        | WSW       | 24.3          | 24.8          | 24.8 | 753.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 4/09/08 | 21:00 | 23.4        | 25.4       | 22.3        | 76         | 19.0 | 3.2           | W   | 3.22        | 12.9        | W         | 23.4          | 24.4          | 24.4 | 754.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 4/09/08 | 22:00 | 22.1        | 22.5       | 21.7        | 76         | 17.7 | 9.7           | W   | 9.66        | 30.6        | W         | 22.1          | 22.8          | 21.8 | 755.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 4/09/08 | 23:00 | 20.6        | 21.9       | 19.3        | 81         | 17.2 | 12.9          | WSW | 12.87       | 27.4        | W         | 20.6          | 21.6          | 19.8 | 755.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 5/09/08 | 00:00 | 18.3        | 19.3       | 17.5        | 83         | 15.3 | 11.3          | WSW | 11.27       | 25.7        | WSW       | 17.9          | 18.9          | 17.3 | 755.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 5/09/08

| Date    | Time  | Temp<br>Out | Hi<br>Temp | Low<br>Temp | Out<br>Hum | Dew  | Wind<br>Speed | Dir | Wind<br>Run | Hi<br>Speed | Hi<br>Dir | Wind<br>Chill | Heat<br>Index | THW  | Bar   | Rain | Rain<br>Rate | Solar<br>Rad. | Solar<br>Energy | Hi<br>Solar<br>Rad. | Solar<br>UV |
|---------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 5/09/08 | 1:00  | 17.0        | 17.5       | 16.8        | 85         | 14.5 | 12.9          | WSW | 12.87       | 25.7        | W         | 16.2          | 17.4          | 15.3 | 755.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 5/09/08 | 2:00  | 16.7        | 16.9       | 16.6        | 85         | 14.2 | 14.5          | WSW | 14.48       | 27.4        | WSW       | 15.7          | 17.1          | 14.6 | 754.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 5/09/08 | 3:00  | 15.8        | 16.6       | 15.3        | 90         | 14.1 | 4.8           | WSW | 4.83        | 12.9        | WSW       | 15.8          | 16.1          | 15.7 | 754.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 5/09/08 | 4:00  | 15.3        | 15.4       | 15.3        | 91         | 13.9 | 6.4           | WSW | 6.44        | 12.9        | WSW       | 14.9          | 15.5          | 14.8 | 754.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 5/09/08 | 5:00  | 15.6        | 15.7       | 15.4        | 88         | 13.6 | 8.0           | WSW | 8.05        | 22.5        | WSW       | 15.1          | 15.8          | 14.7 | 755.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 5/09/08 | 6:00  | 15.7        | 15.8       | 15.7        | 88         | 13.7 | 9.7           | WSW | 9.66        | 27.4        | SW        | 14.9          | 15.9          | 14.4 | 756.2 | 0.0  | 0.0          | 1             | 0.09            | 7                   | 0.0         |
| 5/09/08 | 7:00  | 15.7        | 15.8       | 15.6        | 87         | 13.5 | 11.3          | WSW | 11.27       | 22.5        | W         | 14.7          | 15.9          | 14.0 | 756.8 | 0.0  | 0.0          | 19            | 1.63            | 32                  | 0.0         |
| 5/09/08 | 8:00  | 15.8        | 16.1       | 15.5        | 84         | 13.1 | 11.3          | WSW | 11.27       | 20.9        | WNW       | 14.9          | 16.1          | 14.2 | 757.5 | 0.0  | 0.0          | 83            | 7.14            | 130                 | 0.3         |
| 5/09/08 | 9:00  | 16.3        | 16.4       | 16.1        | 83         | 13.4 | 12.9          | WSW | 12.87       | 20.9        | WSW       | 15.3          | 16.6          | 14.4 | 757.8 | 0.0  | 0.0          | 106           | 9.12            | 158                 | 0.5         |
| 5/09/08 | 10:00 | 16.4        | 16.7       | 16.2        | 80         | 13.0 | 11.3          | W   | 11.27       | 22.5        | W         | 15.7          | 16.7          | 14.9 | 757.4 | 0.0  | 0.0          | 124           | 10.67           | 165                 | 0.8         |
| 5/09/08 | 11:00 | 17.9        | 18.9       | 16.7        | 73         | 13.0 | 6.4           | WSW | 6.44        | 19.3        | WNW       | 17.9          | 17.8          | 17.5 | 756.7 | 0.0  | 0.0          | 343           | 29.50           | 484                 | 2.4         |
| 5/09/08 | 12:00 | 20.2        | 21.6       | 18.9        | 65         | 13.4 | 1.6           | WSW | 1.61        | 12.9        | WSW       | 20.2          | 20.2          | 20.2 | 756.1 | 0.0  | 0.0          | 416           | 35.78           | 771                 | 2.8         |
| 5/09/08 | 13:00 | 22.1        | 22.9       | 21.4        | 61         | 14.2 | 6.4           | WSW | 6.44        | 25.7        | WNW       | 22.1          | 22.1          | 22.1 | 755.3 | 0.0  | 0.0          | 505           | 43.44           | 737                 | 2.8         |
| 5/09/08 | 14:00 | 23.6        | 23.9       | 22.9        | 57         | 14.5 | 12.9          | WNW | 12.87       | 27.4        | NW        | 23.6          | 23.6          | 22.1 | 755.0 | 0.0  | 0.0          | 467           | 40.17           | 565                 | 2.1         |
| 5/09/08 | 15:00 | 23.4        | 23.7       | 23.2        | 57         | 14.4 | 16.1          | WSW | 16.09       | 32.2        | W         | 23.4          | 23.4          | 21.4 | 755.3 | 0.0  | 0.0          | 244           | 20.99           | 399                 | 1.1         |
| 5/09/08 | 16:00 | 23.3        | 24.1       | 22.0        | 59         | 14.9 | 17.7          | WSW | 17.70       | 33.8        | WSW       | 23.3          | 23.3          | 21.1 | 755.7 | 0.0  | 0.0          | 128           | 11.01           | 294                 | 0.5         |
| 5/09/08 | 17:00 | 19.1        | 21.9       | 17.3        | 65         | 12.4 | 22.5          | WSW | 22.53       | 40.2        | WSW       | 18.3          | 19.0          | 15.5 | 756.8 | 0.0  | 0.0          | 27            | 2.32            | 63                  | 0.0         |
| 5/09/08 | 18:00 | 16.2        | 17.3       | 15.3        | 69         | 10.5 | 19.3          | WSW | 19.31       | 32.2        | SW        | 14.7          | 15.7          | 12.3 | 757.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 5/09/08 | 19:00 | 14.3        | 15.3       | 13.5        | 76         | 10.1 | 19.3          | WSW | 19.31       | 33.8        | SW        | 12.1          | 14.1          | 10.7 | 758.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 5/09/08 | 20:00 | 13.2        | 13.5       | 12.9        | 78         | 9.5  | 16.1          | WSW | 16.09       | 29.0        | WSW       | 11.1          | 13.1          | 10.2 | 759.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 5/09/08 | 21:00 | 12.7        | 12.9       | 12.6        | 80         | 9.4  | 16.1          | WSW | 16.09       | 29.0        | W         | 10.4          | 12.7          | 9.7  | 759.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 5/09/08 | 22:00 | 12.4        | 12.6       | 12.3        | 81         | 9.3  | 17.7          | WSW | 17.70       | 32.2        | WSW       | 9.9           | 12.4          | 9.2  | 759.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 5/09/08 | 23:00 | 12.2        | 12.3       | 12.2        | 80         | 8.9  | 16.1          | WSW | 16.09       | 32.2        | WSW       | 9.7           | 12.2          | 9.2  | 759.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 6/09/08 | 00:00 | 12.2        | 12.3       | 12.0        | 82         | 9.2  | 12.9          | WSW | 12.87       | 22.5        | WSW       | 10.1          | 12.2          | 9.7  | 759.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 6/09/08

| Date    | Time  | Temp<br>Out | Hi<br>Temp | Low<br>Temp | Out<br>Hum | Dew  | Wind<br>Speed | Dir | Wind<br>Run | Hi<br>Speed | Hi<br>Dir | Wind<br>Chill | Heat<br>Index | THW  | Bar   | Rain | Rain<br>Rate | Solar<br>Rad. | Solar<br>Energy | Hi<br>Solar<br>Rad. | Solar<br>UV |
|---------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 6/09/08 | 1:00  | 11.3        | 12.0       | 10.9        | 92         | 10.1 | 12.9          | WSW | 12.87       | 25.7        | W         | 9.0           | 11.4          | 8.9  | 759.4 | 1.0  | 2.8          | 0             | 0.00            | 0                   | 0.0         |
| 6/09/08 | 2:00  | 10.7        | 10.9       | 10.6        | 94         | 9.8  | 8.0           | WSW | 8.05        | 19.3        | WSW       | 9.1           | 10.9          | 9.2  | 759.4 | 2.0  | 6.8          | 0             | 0.00            | 0                   | 0.0         |
| 6/09/08 | 3:00  | 10.7        | 10.8       | 10.4        | 94         | 9.7  | 11.3          | W   | 11.27       | 20.9        | WSW       | 8.4           | 10.9          | 8.6  | 759.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 6/09/08 | 4:00  | 10.9        | 10.9       | 10.8        | 93         | 9.8  | 11.3          | W   | 11.27       | 20.9        | W         | 8.7           | 11.1          | 8.8  | 759.9 | 0.2  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 6/09/08 | 5:00  | 10.7        | 10.9       | 10.4        | 91         | 9.3  | 14.5          | W   | 14.48       | 29.0        | WSW       | 8.0           | 10.9          | 8.0  | 760.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 6/09/08 | 6:00  | 10.3        | 10.6       | 10.2        | 91         | 8.9  | 12.9          | W   | 12.87       | 27.4        | WSW       | 7.7           | 10.4          | 7.8  | 761.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 6/09/08 | 7:00  | 10.2        | 10.3       | 10.1        | 91         | 8.8  | 12.9          | W   | 12.87       | 20.9        | W         | 7.6           | 10.3          | 7.7  | 762.4 | 0.2  | 0.0          | 11            | 0.95            | 30                  | 0.0         |
| 6/09/08 | 8:00  | 10.1        | 10.3       | 9.9         | 91         | 8.7  | 12.9          | W   | 12.87       | 27.4        | W         | 7.4           | 10.3          | 7.6  | 763.6 | 0.0  | 0.0          | 25            | 2.15            | 39                  | 0.0         |
| 6/09/08 | 9:00  | 9.9         | 10.3       | 9.7         | 86         | 7.7  | 17.7          | WSW | 17.70       | 30.6        | WSW       | 6.6           | 10.0          | 6.7  | 763.5 | 0.2  | 0.0          | 114           | 9.81            | 322                 | 0.8         |
| 6/09/08 | 10:00 | 11.5        | 12.1       | 10.1        | 72         | 6.6  | 17.7          | WSW | 17.70       | 30.6        | WSW       | 8.7           | 11.2          | 7.9  | 763.1 | 0.0  | 0.0          | 344           | 29.59           | 771                 | 2.7         |
| 6/09/08 | 11:00 | 12.7        | 13.3       | 12.1        | 68         | 7.0  | 17.7          | WSW | 17.70       | 45.1        | SW        | 10.2          | 12.2          | 9.0  | 762.9 | 0.0  | 0.0          | 428           | 36.81           | 945                 | 3.5         |
| 6/09/08 | 12:00 | 12.9        | 13.5       | 12.6        | 67         | 7.0  | 17.7          | WSW | 17.70       | 32.2        | WSW       | 10.5          | 12.4          | 9.2  | 762.6 | 0.0  | 0.0          | 281           | 24.17           | 463                 | 2.6         |
| 6/09/08 | 13:00 | 12.8        | 13.7       | 12.5        | 65         | 6.4  | 16.1          | SW  | 16.09       | 30.6        | SW        | 10.6          | 12.3          | 9.3  | 762.2 | 0.0  | 0.0          | 310           | 26.66           | 945                 | 2.6         |
| 6/09/08 | 14:00 | 13.3        | 13.7       | 13.0        | 63         | 6.4  | 16.1          | WSW | 16.09       | 27.4        | WSW       | 11.1          | 12.7          | 9.8  | 761.8 | 0.0  | 0.0          | 292           | 25.12           | 704                 | 2.2         |
| 6/09/08 | 15:00 | 14.2        | 14.8       | 13.7        | 63         | 7.2  | 14.5          | SW  | 14.48       | 30.6        | W         | 12.4          | 13.6          | 10.9 | 761.9 | 0.0  | 0.0          | 375           | 32.25           | 605                 | 1.7         |
| 6/09/08 | 16:00 | 13.8        | 14.3       | 13.3        | 67         | 7.8  | 14.5          | SW  | 14.48       | 24.1        | SW        | 11.9          | 13.2          | 10.5 | 762.3 | 0.0  | 0.0          | 124           | 10.67           | 408                 | 0.6         |
| 6/09/08 | 17:00 | 13.1        | 13.4       | 12.8        | 68         | 7.3  | 11.3          | SW  | 11.27       | 20.9        | SW        | 11.4          | 12.6          | 10.5 | 762.7 | 0.0  | 0.0          | 49            | 4.21            | 77                  | 0.1         |
| 6/09/08 | 18:00 | 11.9        | 12.9       | 11.3        | 80         | 8.6  | 4.8           | SW  | 4.83        | 17.7        | SW        | 11.3          | 11.9          | 11.2 | 763.2 | 0.0  | 0.0          | 3             | 0.26            | 30                  | 0.0         |
| 6/09/08 | 19:00 | 10.9        | 11.4       | 10.4        | 84         | 8.3  | 0.0           | --- | 0.00        | 0.0         | ---       | 10.9          | 11.0          | 11.0 | 763.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 6/09/08 | 20:00 | 8.9         | 10.4       | 7.8         | 89         | 7.2  | 0.0           | WSW | 0.00        | 6.4         | WSW       | 8.9           | 9.1           | 9.1  | 764.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 6/09/08 | 21:00 | 7.4         | 7.8        | 7.2         | 90         | 5.9  | 3.2           | WSW | 3.22        | 11.3        | WSW       | 6.7           | 7.4           | 6.8  | 765.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 6/09/08 | 22:00 | 6.8         | 7.3        | 6.4         | 92         | 5.6  | 3.2           | WSW | 3.22        | 12.9        | WSW       | 6.1           | 6.9           | 6.2  | 765.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 6/09/08 | 23:00 | 6.2         | 6.6        | 5.6         | 93         | 5.2  | 4.8           | WSW | 4.83        | 11.3        | WSW       | 4.7           | 6.3           | 4.7  | 764.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 7/09/08 | 00:00 | 5.3         | 5.6        | 5.1         | 94         | 4.4  | 6.4           | WSW | 6.44        | 11.3        | WSW       | 2.9           | 5.3           | 3.0  | 764.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 7/09/08

| Date    | Time  | Temp<br>Out | Hi<br>Temp | Low<br>Temp | Out<br>Hum | Dew | Wind<br>Speed | Dir | Wind<br>Run | Hi<br>Speed | Hi<br>Dir | Wind<br>Chill | Heat<br>Index | THW  | Bar   | Rain | Rain<br>Rate | Solar<br>Rad. | Solar<br>Energy | Hi<br>Solar<br>Rad. | Solar<br>UV |
|---------|-------|-------------|------------|-------------|------------|-----|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 7/09/08 | 1:00  | 6.0         | 6.2        | 5.3         | 88         | 4.2 | 4.8           | WSW | 4.83        | 16.1        | SW        | 4.4           | 6.0           | 4.4  | 765.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 7/09/08 | 2:00  | 5.4         | 6.2        | 5.1         | 92         | 4.2 | 6.4           | W   | 6.44        | 12.9        | W         | 3.1           | 5.4           | 3.1  | 764.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 7/09/08 | 3:00  | 7.0         | 7.4        | 6.2         | 84         | 4.5 | 12.9          | WSW | 12.87       | 22.5        | SW        | 3.5           | 6.9           | 3.4  | 764.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 7/09/08 | 4:00  | 5.6         | 6.4        | 4.9         | 91         | 4.3 | 6.4           | WSW | 6.44        | 11.3        | WSW       | 3.3           | 5.6           | 3.3  | 765.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 7/09/08 | 5:00  | 4.3         | 4.9        | 3.5         | 93         | 3.3 | 1.6           | W   | 1.61        | 9.7         | W         | 4.3           | 4.3           | 4.3  | 765.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 7/09/08 | 6:00  | 3.4         | 3.5        | 3.2         | 94         | 2.5 | 0.0           | --- | 0.00        | 0.0         | ---       | 3.4           | 3.4           | 3.4  | 766.1 | 0.0  | 0.0          | 11            | 0.95            | 51                  | 0.0         |
| 7/09/08 | 7:00  | 5.7         | 7.4        | 3.5         | 88         | 3.8 | 4.8           | WSW | 4.83        | 17.7        | WSW       | 4.0           | 5.6           | 3.9  | 766.5 | 0.0  | 0.0          | 144           | 12.39           | 232                 | 0.4         |
| 7/09/08 | 8:00  | 8.6         | 9.7        | 7.4         | 78         | 4.9 | 12.9          | SW  | 12.87       | 22.5        | SW        | 5.5           | 8.4           | 5.4  | 766.5 | 0.0  | 0.0          | 325           | 27.95           | 417                 | 1.0         |
| 7/09/08 | 9:00  | 10.9        | 11.8       | 9.7         | 64         | 4.4 | 9.7           | SSW | 9.66        | 25.7        | SSW       | 9.1           | 10.5          | 8.5  | 766.1 | 0.0  | 0.0          | 475           | 40.86           | 537                 | 2.2         |
| 7/09/08 | 10:00 | 12.3        | 13.2       | 11.7        | 57         | 4.0 | 12.9          | SSW | 12.87       | 29.0        | SSW       | 10.3          | 11.6          | 9.2  | 765.6 | 0.0  | 0.0          | 586           | 50.40           | 630                 | 3.5         |
| 7/09/08 | 11:00 | 13.7        | 14.6       | 12.9        | 56         | 5.1 | 8.0           | S   | 8.05        | 22.5        | WSW       | 12.7          | 12.9          | 11.5 | 765.1 | 0.0  | 0.0          | 656           | 56.42           | 674                 | 4.6         |
| 7/09/08 | 12:00 | 15.7        | 16.6       | 14.6        | 49         | 5.0 | 9.7           | S   | 9.66        | 27.4        | SSW       | 14.9          | 14.4          | 12.9 | 764.3 | 0.0  | 0.0          | 674           | 57.97           | 679                 | 5.0         |
| 7/09/08 | 13:00 | 17.3        | 17.7       | 16.3        | 45         | 5.2 | 8.0           | S   | 8.05        | 20.9        | SSW       | 17.1          | 16.1          | 15.0 | 763.4 | 0.0  | 0.0          | 640           | 55.05           | 665                 | 4.5         |
| 7/09/08 | 14:00 | 18.4        | 18.8       | 17.7        | 43         | 5.6 | 9.7           | S   | 9.66        | 25.7        | SSW       | 18.2          | 17.2          | 15.9 | 762.3 | 0.0  | 0.0          | 554           | 47.65           | 607                 | 3.3         |
| 7/09/08 | 15:00 | 18.9        | 19.2       | 18.7        | 40         | 5.0 | 12.9          | SSW | 12.87       | 22.5        | SSW       | 18.6          | 17.8          | 15.8 | 761.8 | 0.0  | 0.0          | 425           | 36.55           | 494                 | 1.9         |
| 7/09/08 | 16:00 | 19.3        | 19.5       | 19.1        | 40         | 5.3 | 11.3          | SSW | 11.27       | 19.3        | S         | 19.2          | 18.2          | 16.6 | 761.8 | 0.0  | 0.0          | 251           | 21.59           | 350                 | 0.8         |
| 7/09/08 | 17:00 | 18.9        | 19.3       | 17.9        | 46         | 7.1 | 4.8           | SSW | 4.83        | 17.7        | SW        | 18.9          | 17.8          | 17.8 | 762.1 | 0.0  | 0.0          | 61            | 5.25            | 106                 | 0.2         |
| 7/09/08 | 18:00 | 16.3        | 17.9       | 14.3        | 61         | 8.8 | 0.0           | --- | 0.00        | 0.0         | ---       | 16.3          | 15.8          | 15.8 | 762.3 | 0.0  | 0.0          | 2             | 0.17            | 16                  | 0.0         |
| 7/09/08 | 19:00 | 13.5        | 14.3       | 13.0        | 72         | 8.5 | 0.0           | --- | 0.00        | 0.0         | ---       | 13.5          | 13.1          | 13.1 | 762.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 7/09/08 | 20:00 | 12.4        | 13.0       | 11.6        | 76         | 8.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 12.4          | 12.2          | 12.2 | 762.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 7/09/08 | 21:00 | 11.2        | 11.6       | 10.1        | 83         | 8.4 | 0.0           | WSW | 0.00        | 4.8         | WSW       | 11.2          | 11.2          | 11.2 | 762.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 7/09/08 | 22:00 | 10.1        | 10.4       | 9.9         | 82         | 7.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 10.1          | 10.1          | 10.1 | 762.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 7/09/08 | 23:00 | 10.6        | 10.9       | 9.9         | 79         | 7.1 | 0.0           | WSW | 0.00        | 1.6         | WSW       | 10.6          | 10.5          | 10.5 | 762.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 8/09/08 | 00:00 | 9.6         | 9.9        | 9.1         | 82         | 6.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 9.6           | 9.6           | 9.6  | 762.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 8/09/08

| Date    | Time  | Temp<br>Out | Hi<br>Temp | Low<br>Temp | Out<br>Hum | Dew  | Wind<br>Speed | Dir | Wind<br>Run | Hi<br>Speed | Hi<br>Dir | Wind<br>Chill | Heat<br>Index | THW  | Bar   | Rain | Rain<br>Rate | Solar<br>Rad. | Solar<br>Energy | Hi<br>Solar<br>Rad. | Solar<br>UV |
|---------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 8/09/08 | 1:00  | 8.7         | 9.1        | 8.5         | 89         | 7.0  | 0.0           | --- | 0.00        | 0.0         | ---       | 8.7           | 8.8           | 8.8  | 761.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 8/09/08 | 2:00  | 8.7         | 8.8        | 8.6         | 88         | 6.8  | 0.0           | --- | 0.00        | 0.0         | ---       | 8.7           | 8.8           | 8.8  | 761.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 8/09/08 | 3:00  | 8.6         | 8.8        | 8.4         | 91         | 7.2  | 0.0           | --- | 0.00        | 0.0         | ---       | 8.6           | 8.7           | 8.7  | 760.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 8/09/08 | 4:00  | 9.2         | 9.6        | 8.6         | 89         | 7.4  | 0.0           | --- | 0.00        | 0.0         | ---       | 9.2           | 9.3           | 9.3  | 761.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 8/09/08 | 5:00  | 9.9         | 10.3       | 9.6         | 87         | 7.9  | 1.6           | WSW | 1.61        | 8.0         | WSW       | 9.9           | 10.1          | 10.1 | 761.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 8/09/08 | 6:00  | 10.4        | 10.9       | 10.3        | 87         | 8.4  | 1.6           | WSW | 1.61        | 11.3        | WSW       | 10.4          | 10.6          | 10.6 | 762.1 | 0.0  | 0.0          | 10            | 0.86            | 67                  | 0.0         |
| 8/09/08 | 7:00  | 12.2        | 13.4       | 10.9        | 79         | 8.6  | 9.7           | WSW | 9.66        | 19.3        | SW        | 10.6          | 12.1          | 10.2 | 762.5 | 0.0  | 0.0          | 167           | 14.36           | 292                 | 0.3         |
| 8/09/08 | 8:00  | 14.6        | 15.6       | 13.4        | 62         | 7.4  | 8.0           | SW  | 8.05        | 16.1        | SSW       | 13.8          | 14.0          | 12.7 | 762.8 | 0.0  | 0.0          | 325           | 27.95           | 457                 | 0.9         |
| 8/09/08 | 9:00  | 16.8        | 18.1       | 15.6        | 55         | 7.7  | 4.8           | SSW | 4.83        | 12.9        | SSW       | 16.8          | 15.9          | 15.6 | 762.6 | 0.0  | 0.0          | 470           | 40.43           | 561                 | 2.0         |
| 8/09/08 | 10:00 | 20.2        | 22.3       | 18.1        | 42         | 6.8  | 1.6           | SSW | 1.61        | 11.3        | SSW       | 20.2          | 19.2          | 19.2 | 762.1 | 0.0  | 0.0          | 581           | 49.97           | 626                 | 3.4         |
| 8/09/08 | 11:00 | 22.7        | 23.3       | 22.3        | 37         | 7.3  | 3.2           | E   | 3.22        | 11.3        | ENE       | 22.7          | 21.7          | 21.7 | 761.2 | 0.0  | 0.0          | 646           | 55.56           | 660                 | 4.4         |
| 8/09/08 | 12:00 | 24.2        | 25.0       | 23.3        | 32         | 6.4  | 3.2           | E   | 3.22        | 11.3        | ENE       | 24.2          | 23.2          | 23.2 | 760.3 | 0.0  | 0.0          | 657           | 56.51           | 663                 | 4.7         |
| 8/09/08 | 13:00 | 25.3        | 25.9       | 24.7        | 27         | 5.0  | 1.6           | E   | 1.61        | 11.3        | ESE       | 25.3          | 24.3          | 24.3 | 759.2 | 0.0  | 0.0          | 620           | 53.33           | 648                 | 4.1         |
| 8/09/08 | 14:00 | 26.4        | 26.7       | 25.9        | 31         | 7.9  | 3.2           | E   | 3.22        | 12.9        | E         | 26.4          | 25.6          | 25.6 | 758.6 | 0.0  | 0.0          | 543           | 46.70           | 588                 | 3.0         |
| 8/09/08 | 15:00 | 26.8        | 27.2       | 26.6        | 34         | 9.6  | 3.2           | E   | 3.22        | 12.9        | E         | 26.8          | 26.2          | 26.2 | 758.2 | 0.0  | 0.0          | 381           | 32.77           | 505                 | 1.6         |
| 8/09/08 | 16:00 | 26.8        | 27.1       | 26.4        | 42         | 12.8 | 1.6           | E   | 1.61        | 11.3        | E         | 26.8          | 26.8          | 26.8 | 758.1 | 0.0  | 0.0          | 172           | 14.79           | 399                 | 0.6         |
| 8/09/08 | 17:00 | 25.7        | 26.4       | 24.6        | 56         | 16.2 | 1.6           | ENE | 1.61        | 9.7         | ENE       | 25.7          | 26.1          | 26.1 | 758.1 | 0.0  | 0.0          | 57            | 4.90            | 128                 | 0.1         |
| 8/09/08 | 18:00 | 23.2        | 24.6       | 22.8        | 52         | 12.8 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.2          | 23.2          | 23.2 | 758.3 | 0.0  | 0.0          | 1             | 0.09            | 11                  | 0.0         |
| 8/09/08 | 19:00 | 21.9        | 23.2       | 20.3        | 74         | 17.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.9          | 22.4          | 22.4 | 758.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 8/09/08 | 20:00 | 19.0        | 20.3       | 17.9        | 78         | 15.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 19.0          | 19.6          | 19.6 | 758.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 8/09/08 | 21:00 | 17.4        | 17.9       | 17.3        | 79         | 13.8 | 0.0           | --- | 0.00        | 0.0         | ---       | 17.4          | 17.8          | 17.8 | 758.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 8/09/08 | 22:00 | 17.1        | 17.7       | 16.1        | 87         | 14.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 17.1          | 17.5          | 17.5 | 758.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 8/09/08 | 23:00 | 16.1        | 16.4       | 15.8        | 86         | 13.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 16.1          | 16.3          | 16.3 | 758.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 9/09/08 | 00:00 | 15.2        | 15.8       | 14.8        | 87         | 13.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 15.2          | 15.3          | 15.3 | 758.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |



## Ivinhema 9/09/08

| Date     | Time  | Temp<br>Out | Hi<br>Temp | Low<br>Temp | Out<br>Hum | Dew  | Wind<br>Speed | Dir | Wind<br>Run | Hi<br>Speed | Hi<br>Dir | Wind<br>Chill | Heat<br>Index | THW  | Bar   | Rain | Rain<br>Rate | Solar<br>Rad. | Solar<br>Energy | Hi<br>Solar<br>Rad. | Solar<br>UV |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 9/09/08  | 1:00  | 15.1        | 15.5       | 14.6        | 89         | 13.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 15.1          | 15.3          | 15.3 | 757.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 9/09/08  | 2:00  | 14.0        | 14.6       | 13.5        | 91         | 12.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 14.0          | 14.1          | 14.1 | 757.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 9/09/08  | 3:00  | 13.6        | 13.7       | 13.5        | 91         | 12.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 13.6          | 13.7          | 13.7 | 757.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 9/09/08  | 4:00  | 13.6        | 13.8       | 13.3        | 91         | 12.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 13.6          | 13.7          | 13.7 | 757.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 9/09/08  | 5:00  | 13.6        | 14.7       | 13.0        | 88         | 11.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 13.6          | 13.7          | 13.7 | 758.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 9/09/08  | 6:00  | 13.9        | 14.5       | 13.7        | 91         | 12.5 | 0.0           | --- | 0.00        | 0.0         | ---       | 13.9          | 14.1          | 14.1 | 759.0 | 0.0  | 0.0          | 8             | 0.69            | 40                  | 0.0         |
| 9/09/08  | 7:00  | 15.4        | 17.7       | 14.0        | 88         | 13.5 | 0.0           | --- | 0.00        | 0.0         | ---       | 15.4          | 15.7          | 15.7 | 759.3 | 0.0  | 0.0          | 119           | 10.24           | 201                 | 0.2         |
| 9/09/08  | 8:00  | 19.4        | 20.8       | 17.7        | 75         | 14.9 | 8.0           | E   | 8.05        | 16.1        | E         | 19.4          | 19.9          | 19.1 | 759.8 | 0.0  | 0.0          | 272           | 23.40           | 371                 | 0.8         |
| 9/09/08  | 9:00  | 22.2        | 23.3       | 20.9        | 67         | 15.7 | 12.9          | E   | 12.87       | 22.5        | E         | 22.2          | 22.3          | 20.7 | 759.8 | 0.0  | 0.0          | 428           | 36.81           | 491                 | 1.8         |
| 9/09/08  | 10:00 | 24.1        | 24.8       | 23.3        | 63         | 16.6 | 11.3          | E   | 11.27       | 22.5        | ENE       | 24.1          | 24.3          | 23.2 | 759.5 | 0.0  | 0.0          | 542           | 46.62           | 586                 | 2.9         |
| 9/09/08  | 11:00 | 25.5        | 26.0       | 24.8        | 60         | 17.2 | 9.7           | E   | 9.66        | 19.3        | ENE       | 25.5          | 26.0          | 25.3 | 758.8 | 0.0  | 0.0          | 610           | 52.47           | 626                 | 3.7         |
| 9/09/08  | 12:00 | 26.9        | 27.4       | 26.0        | 56         | 17.4 | 8.0           | E   | 8.05        | 17.7        | E         | 26.9          | 27.6          | 27.3 | 757.9 | 0.0  | 0.0          | 635           | 54.62           | 700                 | 3.9         |
| 9/09/08  | 13:00 | 28.2        | 29.1       | 27.4        | 53         | 17.7 | 4.8           | E   | 4.83        | 11.3        | E         | 28.2          | 29.2          | 29.2 | 757.1 | 0.0  | 0.0          | 619           | 53.24           | 677                 | 3.4         |
| 9/09/08  | 14:00 | 29.3        | 29.8       | 29.1        | 51         | 18.1 | 3.2           | E   | 3.22        | 16.1        | E         | 29.3          | 30.4          | 30.4 | 756.6 | 0.0  | 0.0          | 488           | 41.97           | 609                 | 2.4         |
| 9/09/08  | 15:00 | 30.1        | 30.4       | 29.8        | 51         | 18.8 | 4.8           | E   | 4.83        | 11.3        | E         | 30.1          | 31.3          | 31.3 | 756.3 | 0.0  | 0.0          | 367           | 31.57           | 461                 | 1.4         |
| 9/09/08  | 16:00 | 30.2        | 30.4       | 30.1        | 52         | 19.3 | 3.2           | E   | 3.22        | 9.7         | E         | 30.2          | 31.8          | 31.8 | 756.2 | 0.0  | 0.0          | 222           | 19.09           | 327                 | 0.6         |
| 9/09/08  | 17:00 | 29.7        | 30.2       | 28.8        | 58         | 20.6 | 0.0           | E   | 0.00        | 4.8         | E         | 29.7          | 32.1          | 32.1 | 756.1 | 0.0  | 0.0          | 56            | 4.82            | 91                  | 0.1         |
| 9/09/08  | 18:00 | 27.3        | 28.8       | 26.1        | 67         | 20.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 27.3          | 29.3          | 29.3 | 756.4 | 0.0  | 0.0          | 2             | 0.17            | 18                  | 0.0         |
| 9/09/08  | 19:00 | 24.2        | 26.1       | 22.7        | 81         | 20.8 | 0.0           | --- | 0.00        | 0.0         | ---       | 24.2          | 25.6          | 25.6 | 756.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 9/09/08  | 20:00 | 22.1        | 22.7       | 20.6        | 85         | 19.4 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.1          | 23.1          | 23.1 | 757.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 9/09/08  | 21:00 | 20.5        | 20.8       | 20.2        | 88         | 18.4 | 0.0           | --- | 0.00        | 0.0         | ---       | 20.5          | 21.5          | 21.5 | 757.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 9/09/08  | 22:00 | 19.4        | 20.2       | 18.7        | 91         | 17.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 19.4          | 20.3          | 20.3 | 757.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 9/09/08  | 23:00 | 18.7        | 18.9       | 18.2        | 93         | 17.5 | 0.0           | --- | 0.00        | 0.0         | ---       | 18.7          | 19.3          | 19.3 | 757.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 10/09/08 | 00:00 | 17.9        | 18.8       | 17.4        | 93         | 16.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 17.9          | 18.4          | 18.4 | 757.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 10/09/08

| Date     | Time  | Temp<br>Out | Hi<br>Temp | Low<br>Temp | Out<br>Hum | Dew  | Wind<br>Speed | Dir | Wind<br>Run | Hi<br>Speed | Hi<br>Dir | Wind<br>Chill | Heat<br>Index | THW  | Bar   | Rain | Rain<br>Rate | Solar<br>Rad. | Solar<br>Energy | Hi<br>Solar<br>Rad. | Solar<br>UV |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 10/09/08 | 1:00  | 17.4        | 17.9       | 17.0        | 92         | 16.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 17.4          | 17.9          | 17.9 | 757.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 10/09/08 | 2:00  | 16.6        | 17.1       | 16.1        | 94         | 15.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 16.6          | 16.8          | 16.8 | 757.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 10/09/08 | 3:00  | 16.2        | 16.6       | 16.1        | 94         | 15.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 16.2          | 16.4          | 16.4 | 757.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 10/09/08 | 4:00  | 16.1        | 16.4       | 15.5        | 95         | 15.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 16.1          | 16.2          | 16.2 | 757.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 10/09/08 | 5:00  | 16.1        | 16.4       | 15.8        | 95         | 15.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 16.1          | 16.3          | 16.3 | 758.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 10/09/08 | 6:00  | 16.8        | 17.3       | 16.1        | 94         | 15.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 16.8          | 17.1          | 17.1 | 758.7 | 0.0  | 0.0          | 7             | 0.60            | 33                  | 0.0         |
| 10/09/08 | 7:00  | 17.6        | 19.9       | 16.2        | 86         | 15.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 17.6          | 18.1          | 18.1 | 759.2 | 0.0  | 0.0          | 113           | 9.72            | 190                 | 0.2         |
| 10/09/08 | 8:00  | 21.4        | 22.5       | 19.9        | 77         | 17.2 | 3.2           | E   | 3.22        | 9.7         | E         | 21.4          | 22.1          | 22.1 | 759.3 | 0.0  | 0.0          | 284           | 24.43           | 361                 | 0.8         |
| 10/09/08 | 9:00  | 23.8        | 25.0       | 22.5        | 64         | 16.6 | 8.0           | E   | 8.05        | 20.9        | E         | 23.8          | 24.2          | 23.8 | 759.0 | 0.0  | 0.0          | 431           | 37.07           | 493                 | 1.7         |
| 10/09/08 | 10:00 | 25.7        | 26.3       | 25.0        | 62         | 17.8 | 12.9          | E   | 12.87       | 22.5        | ESE       | 25.7          | 26.4          | 25.2 | 758.3 | 0.0  | 0.0          | 544           | 46.79           | 584                 | 2.8         |
| 10/09/08 | 11:00 | 27.1        | 27.8       | 26.3        | 59         | 18.4 | 11.3          | E   | 11.27       | 19.3        | E         | 27.1          | 27.9          | 27.2 | 757.6 | 0.0  | 0.0          | 612           | 52.64           | 630                 | 3.7         |
| 10/09/08 | 12:00 | 28.9        | 29.8       | 27.8        | 52         | 18.0 | 9.7           | E   | 9.66        | 19.3        | ENE       | 28.9          | 30.1          | 29.6 | 756.5 | 0.0  | 0.0          | 634           | 54.53           | 644                 | 4.0         |
| 10/09/08 | 13:00 | 30.6        | 31.0       | 29.8        | 51         | 19.3 | 12.9          | E   | 12.87       | 22.5        | E         | 30.6          | 32.3          | 31.7 | 755.4 | 0.0  | 0.0          | 631           | 54.27           | 743                 | 3.6         |
| 10/09/08 | 14:00 | 30.9        | 31.3       | 30.6        | 50         | 19.3 | 11.3          | E   | 11.27       | 20.9        | ESE       | 30.9          | 32.8          | 32.3 | 754.6 | 0.0  | 0.0          | 512           | 44.04           | 563                 | 2.6         |
| 10/09/08 | 15:00 | 31.7        | 32.1       | 31.3        | 50         | 20.0 | 6.4           | E   | 6.44        | 14.5        | ENE       | 31.7          | 34.4          | 34.4 | 754.0 | 0.0  | 0.0          | 384           | 33.03           | 450                 | 1.4         |
| 10/09/08 | 16:00 | 32.2        | 32.3       | 31.8        | 50         | 20.4 | 4.8           | E   | 4.83        | 11.3        | E         | 32.2          | 35.1          | 35.1 | 753.7 | 0.0  | 0.0          | 221           | 19.01           | 310                 | 0.6         |
| 10/09/08 | 17:00 | 31.3        | 31.8       | 30.6        | 47         | 18.7 | 3.2           | E   | 3.22        | 11.3        | E         | 31.3          | 33.1          | 33.1 | 753.8 | 0.0  | 0.0          | 54            | 4.64            | 84                  | 0.1         |
| 10/09/08 | 18:00 | 29.7        | 30.6       | 28.9        | 54         | 19.4 | 4.8           | E   | 4.83        | 11.3        | E         | 29.7          | 31.3          | 31.3 | 754.0 | 0.0  | 0.0          | 1             | 0.09            | 11                  | 0.0         |
| 10/09/08 | 19:00 | 26.3        | 28.9       | 23.4        | 74         | 21.3 | 1.6           | E   | 1.61        | 11.3        | E         | 26.3          | 27.9          | 27.9 | 754.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 10/09/08 | 20:00 | 22.7        | 23.4       | 21.7        | 80         | 19.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.7          | 23.7          | 23.7 | 754.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 10/09/08 | 21:00 | 22.4        | 22.7       | 21.8        | 72         | 17.1 | 4.8           | NE  | 4.83        | 11.3        | NE        | 22.4          | 22.9          | 22.9 | 754.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 10/09/08 | 22:00 | 22.1        | 22.8       | 21.1        | 74         | 17.3 | 4.8           | NE  | 4.83        | 9.7         | NE        | 22.1          | 22.6          | 22.6 | 754.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 10/09/08 | 23:00 | 20.8        | 21.1       | 20.5        | 72         | 15.6 | 4.8           | NE  | 4.83        | 9.7         | NE        | 20.8          | 21.1          | 21.1 | 754.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 11/09/08 | 00:00 | 20.1        | 21.1       | 19.6        | 79         | 16.3 | 3.2           | NE  | 3.22        | 9.7         | NE        | 20.1          | 20.9          | 20.9 | 754.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 11/09/08

| Date     | Time  | Temp<br>Out | Hi<br>Temp | Low<br>Temp | Out<br>Hum | Dew  | Wind<br>Speed | Dir | Wind<br>Run | Hi<br>Speed | Hi<br>Dir | Wind<br>Chill | Heat<br>Index | THW  | Bar   | Rain | Rain<br>Rate | Solar<br>Rad. | Solar<br>Energy | Hi<br>Solar<br>Rad. | Solar<br>UV |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 11/09/08 | 1:00  | 19.8        | 20.6       | 18.7        | 76         | 15.4 | 3.2           | NE  | 3.22        | 9.7         | N         | 19.8          | 20.3          | 20.3 | 754.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 11/09/08 | 2:00  | 20.3        | 20.5       | 20.1        | 76         | 15.9 | 4.8           | ENE | 4.83        | 9.7         | ENE       | 20.3          | 20.9          | 20.9 | 754.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 11/09/08 | 3:00  | 20.6        | 21.0       | 20.2        | 77         | 16.4 | 6.4           | ENE | 6.44        | 11.3        | E         | 20.6          | 21.3          | 21.3 | 754.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 11/09/08 | 4:00  | 19.9        | 20.2       | 19.7        | 78         | 16.0 | 3.2           | ENE | 3.22        | 8.0         | ENE       | 19.9          | 20.7          | 20.7 | 754.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 11/09/08 | 5:00  | 20.2        | 20.4       | 19.9        | 77         | 16.1 | 4.8           | ENE | 4.83        | 9.7         | ENE       | 20.2          | 20.9          | 20.9 | 755.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 11/09/08 | 6:00  | 20.8        | 21.3       | 20.2        | 73         | 15.8 | 6.4           | ENE | 6.44        | 11.3        | E         | 20.8          | 21.1          | 21.0 | 756.0 | 0.0  | 0.0          | 6             | 0.52            | 23                  | 0.0         |
| 11/09/08 | 7:00  | 22.2        | 23.1       | 21.3        | 65         | 15.3 | 6.4           | ENE | 6.44        | 12.9        | E         | 22.2          | 22.3          | 22.3 | 756.6 | 0.0  | 0.0          | 54            | 4.64            | 128                 | 0.1         |
| 11/09/08 | 8:00  | 24.2        | 25.3       | 23.1        | 59         | 15.6 | 9.7           | ENE | 9.66        | 19.3        | ENE       | 24.2          | 24.2          | 23.3 | 756.7 | 0.0  | 0.0          | 202           | 17.37           | 422                 | 0.7         |
| 11/09/08 | 9:00  | 26.4        | 27.6       | 25.0        | 58         | 17.5 | 11.3          | E   | 11.27       | 17.7        | E         | 26.4          | 27.2          | 26.3 | 756.1 | 0.0  | 0.0          | 441           | 37.93           | 509                 | 1.7         |
| 11/09/08 | 10:00 | 30.4        | 34.0       | 27.6        | 28         | 9.9  | 14.5          | E   | 14.48       | 30.6        | NE        | 30.4          | 29.2          | 28.5 | 755.6 | 0.0  | 0.0          | 531           | 45.67           | 720                 | 2.7         |
| 11/09/08 | 11:00 | 35.4        | 37.1       | 34.0        | 22         | 10.5 | 19.3          | NE  | 19.31       | 38.6        | N         | 35.4          | 34.3          | 34.3 | 754.6 | 0.0  | 0.0          | 640           | 55.05           | 690                 | 3.7         |
| 11/09/08 | 12:00 | 37.5        | 38.3       | 36.9        | 22         | 12.2 | 17.7          | N   | 17.70       | 38.6        | N         | 37.5          | 37.0          | 37.4 | 753.6 | 0.0  | 0.0          | 644           | 55.39           | 739                 | 3.8         |
| 11/09/08 | 13:00 | 38.5        | 38.9       | 38.2        | 20         | 11.6 | 17.7          | N   | 17.70       | 38.6        | NNW       | 38.5          | 37.5          | 38.0 | 752.7 | 0.0  | 0.0          | 590           | 50.75           | 648                 | 3.3         |
| 11/09/08 | 14:00 | 37.6        | 38.3       | 36.8        | 24         | 13.6 | 9.7           | N   | 9.66        | 29.0        | NNW       | 37.6          | 37.7          | 37.7 | 752.1 | 0.0  | 0.0          | 313           | 26.92           | 653                 | 1.6         |
| 11/09/08 | 15:00 | 36.9        | 37.6       | 35.3        | 28         | 15.4 | 8.0           | N   | 8.05        | 25.7        | NNW       | 36.9          | 37.6          | 37.6 | 751.7 | 0.0  | 0.0          | 240           | 20.64           | 484                 | 1.0         |
| 11/09/08 | 16:00 | 34.6        | 35.3       | 33.8        | 26         | 12.3 | 9.7           | NE  | 9.66        | 40.2        | NE        | 34.6          | 33.8          | 33.7 | 751.7 | 0.0  | 0.0          | 126           | 10.84           | 183                 | 0.3         |
| 11/09/08 | 17:00 | 33.0        | 33.8       | 31.4        | 33         | 14.6 | 4.8           | NE  | 4.83        | 25.7        | E         | 33.0          | 33.2          | 33.2 | 752.3 | 0.0  | 0.0          | 37            | 3.18            | 99                  | 0.0         |
| 11/09/08 | 18:00 | 29.8        | 32.1       | 25.7        | 62         | 21.7 | 8.0           | WNW | 8.05        | 75.6        | NNW       | 29.8          | 32.9          | 32.7 | 752.9 | 4.2  | 66.2         | 0             | 0.00            | 0                   | 0.0         |
| 11/09/08 | 19:00 | 24.6        | 25.7       | 24.2        | 70         | 18.8 | 0.0           | WNW | 0.00        | 9.7         | WNW       | 24.6          | 25.6          | 25.6 | 752.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 11/09/08 | 20:00 | 23.8        | 24.2       | 21.9        | 79         | 20.0 | 0.0           | WNW | 0.00        | 4.8         | WNW       | 23.8          | 24.8          | 24.8 | 753.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 11/09/08 | 21:00 | 21.7        | 22.3       | 21.0        | 80         | 18.1 | 0.0           | WSW | 0.00        | 9.7         | WSW       | 21.7          | 22.7          | 22.7 | 753.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 11/09/08 | 22:00 | 20.3        | 21.1       | 19.9        | 87         | 18.0 | 0.0           | NNW | 0.00        | 12.9        | NW        | 20.3          | 21.3          | 21.3 | 754.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 11/09/08 | 23:00 | 20.5        | 21.1       | 19.9        | 79         | 16.7 | 3.2           | WSW | 3.22        | 19.3        | SSW       | 20.5          | 21.4          | 21.4 | 754.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 12/09/08 | 00:00 | 21.7        | 22.1       | 21.1        | 79         | 17.9 | 11.3          | WSW | 11.27       | 29.0        | WSW       | 21.7          | 22.6          | 21.2 | 754.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 12/09/08

| Date     | Time  | Temp<br>Out | Hi<br>Temp | Low<br>Temp | Out<br>Hum | Dew  | Wind<br>Speed | Dir | Wind<br>Run | Hi<br>Speed | Hi<br>Dir | Wind<br>Chill | Heat<br>Index | THW  | Bar   | Rain | Rain<br>Rate | Solar<br>Rad. | Solar<br>Energy | Hi<br>Solar<br>Rad. | Solar<br>UV |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 12/09/08 | 1:00  | 21.6        | 21.9       | 21.2        | 82         | 18.4 | 12.9          | WSW | 12.87       | 27.4        | SW        | 21.6          | 22.6          | 20.8 | 755.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 12/09/08 | 2:00  | 20.8        | 21.2       | 20.4        | 83         | 17.8 | 16.1          | SW  | 16.09       | 30.6        | SW        | 20.8          | 21.8          | 19.4 | 755.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 12/09/08 | 3:00  | 20.2        | 20.6       | 19.3        | 87         | 17.9 | 9.7           | SW  | 9.66        | 19.3        | SSW       | 20.2          | 21.2          | 20.0 | 755.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 12/09/08 | 4:00  | 19.0        | 19.6       | 18.7        | 85         | 16.4 | 4.8           | W   | 4.83        | 17.7        | SSW       | 19.0          | 19.9          | 19.9 | 755.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 12/09/08 | 5:00  | 19.3        | 19.9       | 18.8        | 88         | 17.3 | 8.0           | SW  | 8.05        | 16.1        | SW        | 19.3          | 20.3          | 19.5 | 755.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 12/09/08 | 6:00  | 19.9        | 20.7       | 18.9        | 81         | 16.5 | 1.6           | SW  | 1.61        | 11.3        | SSW       | 19.9          | 20.9          | 20.9 | 756.5 | 0.0  | 0.0          | 3             | 0.26            | 18                  | 0.0         |
| 12/09/08 | 7:00  | 20.3        | 21.0       | 19.9        | 81         | 16.9 | 8.0           | WSW | 8.05        | 17.7        | SW        | 20.3          | 21.3          | 20.6 | 757.9 | 0.0  | 0.0          | 55            | 4.73            | 178                 | 0.1         |
| 12/09/08 | 8:00  | 21.7        | 22.1       | 21.0        | 78         | 17.7 | 11.3          | SW  | 11.27       | 22.5        | S         | 21.7          | 22.4          | 21.1 | 759.0 | 0.0  | 0.0          | 104           | 8.95            | 211                 | 0.4         |
| 12/09/08 | 9:00  | 22.7        | 22.9       | 22.1        | 76         | 18.2 | 12.9          | SSW | 12.87       | 20.9        | SW        | 22.7          | 23.6          | 22.0 | 758.3 | 0.0  | 0.0          | 227           | 19.52           | 406                 | 1.0         |
| 12/09/08 | 10:00 | 22.8        | 23.2       | 22.1        | 76         | 18.3 | 9.7           | WSW | 9.66        | 25.7        | WNW       | 22.8          | 23.7          | 22.7 | 759.3 | 0.0  | 0.0          | 79            | 6.79            | 229                 | 0.3         |
| 12/09/08 | 11:00 | 20.6        | 22.2       | 19.8        | 90         | 18.9 | 6.4           | WSW | 6.44        | 16.1        | SW        | 20.6          | 21.6          | 21.5 | 758.6 | 3.4  | 30.2         | 15            | 1.29            | 40                  | 0.0         |
| 12/09/08 | 12:00 | 20.2        | 21.0       | 19.9        | 88         | 18.1 | 8.0           | SSW | 8.05        | 22.5        | SW        | 20.2          | 21.2          | 20.4 | 757.2 | 0.0  | 0.0          | 128           | 11.01           | 252                 | 0.8         |
| 12/09/08 | 13:00 | 21.7        | 22.6       | 21.0        | 80         | 18.1 | 0.0           | SE  | 0.00        | 1.6         | SE        | 21.7          | 22.7          | 22.7 | 756.7 | 0.0  | 0.0          | 207           | 17.80           | 311                 | 1.3         |
| 12/09/08 | 14:00 | 23.0        | 24.1       | 22.6        | 74         | 18.1 | 4.8           | ENE | 4.83        | 12.9        | NNE       | 23.0          | 23.9          | 23.9 | 756.0 | 0.0  | 0.0          | 270           | 23.22           | 482                 | 1.5         |
| 12/09/08 | 15:00 | 24.9        | 25.6       | 24.1        | 70         | 19.0 | 6.4           | WSW | 6.44        | 27.4        | SW        | 24.9          | 25.9          | 25.9 | 755.8 | 0.0  | 0.0          | 346           | 29.76           | 459                 | 1.3         |
| 12/09/08 | 16:00 | 24.3        | 25.1       | 23.3        | 75         | 19.6 | 12.9          | WSW | 12.87       | 29.0        | WSW       | 24.3          | 25.4          | 24.1 | 756.3 | 0.2  | 0.0          | 124           | 10.67           | 271                 | 0.5         |
| 12/09/08 | 17:00 | 22.6        | 23.3       | 21.9        | 82         | 19.4 | 9.7           | WSW | 9.66        | 17.7        | WSW       | 22.6          | 23.6          | 22.7 | 757.0 | 0.0  | 0.0          | 20            | 1.72            | 62                  | 0.0         |
| 12/09/08 | 18:00 | 21.6        | 21.9       | 21.6        | 84         | 18.8 | 1.6           | WSW | 1.61        | 9.7         | WSW       | 21.6          | 22.6          | 22.6 | 757.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 12/09/08 | 19:00 | 21.1        | 21.4       | 20.6        | 91         | 19.5 | 3.2           | SW  | 3.22        | 11.3        | W         | 21.1          | 22.2          | 22.2 | 758.3 | 1.0  | 13.4         | 0             | 0.00            | 0                   | 0.0         |
| 12/09/08 | 20:00 | 19.9        | 20.6       | 19.4        | 95         | 19.1 | 12.9          | WSW | 12.87       | 25.7        | SW        | 19.9          | 20.9          | 19.0 | 758.7 | 13.4 | 67.0         | 0             | 0.00            | 0                   | 0.0         |
| 12/09/08 | 21:00 | 19.2        | 19.4       | 18.9        | 95         | 18.3 | 11.3          | WSW | 11.27       | 25.7        | WSW       | 19.1          | 19.8          | 18.2 | 759.7 | 4.2  | 31.4         | 0             | 0.00            | 0                   | 0.0         |
| 12/09/08 | 22:00 | 18.8        | 18.9       | 18.7        | 96         | 18.2 | 4.8           | WSW | 4.83        | 12.9        | W         | 18.8          | 19.4          | 19.4 | 760.0 | 4.8  | 9.8          | 0             | 0.00            | 0                   | 0.0         |
| 12/09/08 | 23:00 | 18.6        | 18.8       | 18.4        | 95         | 17.7 | 6.4           | WSW | 6.44        | 19.3        | WSW       | 18.6          | 19.1          | 18.8 | 759.9 | 0.8  | 9.8          | 0             | 0.00            | 0                   | 0.0         |
| 13/09/08 | 00:00 | 18.2        | 18.4       | 17.5        | 94         | 17.2 | 14.5          | WSW | 14.48       | 29.0        | WSW       | 17.5          | 18.7          | 16.2 | 759.4 | 1.8  | 6.6          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 13/09/08

| Date     | Time  | Temp<br>Out | Hi<br>Temp | Low<br>Temp | Out<br>Hum | Dew  | Wind<br>Speed | Dir | Wind<br>Run | Hi<br>Speed | Hi<br>Dir | Wind<br>Chill | Heat<br>Index | THW  | Bar   | Rain | Rain<br>Rate | Solar<br>Rad. | Solar<br>Energy | Hi<br>Solar<br>Rad. | Solar<br>UV |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 13/09/08 | 1:00  | 17.1        | 17.5       | 16.7        | 94         | 16.1 | 12.9          | WSW | 12.87       | 27.4        | WSW       | 16.3          | 17.4          | 15.3 | 758.7 | 1.4  | 7.8          | 0             | 0.00            | 0                   | 0.0         |
| 13/09/08 | 2:00  | 16.7        | 16.7       | 16.7        | 95         | 15.9 | 9.7           | WSW | 9.66        | 17.7        | SW        | 16.1          | 16.9          | 15.4 | 758.7 | 0.2  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 13/09/08 | 3:00  | 16.6        | 16.7       | 16.6        | 94         | 15.6 | 11.3          | WSW | 11.27       | 22.5        | SW        | 15.8          | 16.9          | 15.1 | 758.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 13/09/08 | 4:00  | 16.4        | 16.6       | 16.4        | 92         | 15.1 | 16.1          | WSW | 16.09       | 30.6        | WSW       | 15.2          | 16.7          | 13.9 | 758.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 13/09/08 | 5:00  | 16.2        | 16.4       | 15.9        | 92         | 14.9 | 16.1          | WSW | 16.09       | 29.0        | WSW       | 14.8          | 16.4          | 13.6 | 759.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 13/09/08 | 6:00  | 15.8        | 15.9       | 15.6        | 91         | 14.3 | 17.7          | WSW | 17.70       | 29.0        | SW        | 14.2          | 16.0          | 12.9 | 759.3 | 0.0  | 0.0          | 4             | 0.34            | 25                  | 0.0         |
| 13/09/08 | 7:00  | 15.8        | 16.2       | 15.6        | 90         | 14.1 | 17.7          | WSW | 17.70       | 30.6        | SW        | 14.2          | 16.1          | 12.9 | 760.1 | 0.0  | 0.0          | 92            | 7.91            | 218                 | 0.2         |
| 13/09/08 | 8:00  | 16.7        | 17.0       | 16.2        | 86         | 14.4 | 19.3          | SW  | 19.31       | 32.2        | SW        | 15.3          | 17.1          | 13.8 | 760.3 | 0.0  | 0.0          | 192           | 16.51           | 333                 | 0.8         |
| 13/09/08 | 9:00  | 17.7        | 18.2       | 16.9        | 82         | 14.6 | 16.1          | SW  | 16.09       | 29.0        | SW        | 16.8          | 18.2          | 15.5 | 760.6 | 0.0  | 0.0          | 274           | 23.57           | 758                 | 1.6         |
| 13/09/08 | 10:00 | 18.3        | 18.5       | 18.2        | 80         | 14.8 | 11.3          | WSW | 11.27       | 22.5        | WSW       | 18.0          | 19.0          | 17.3 | 760.9 | 0.0  | 0.0          | 156           | 13.42           | 362                 | 1.2         |
| 13/09/08 | 11:00 | 19.0        | 19.9       | 18.5        | 75         | 14.5 | 4.8           | WSW | 4.83        | 17.7        | SW        | 19.0          | 19.3          | 19.3 | 760.5 | 0.0  | 0.0          | 248           | 21.33           | 574                 | 2.0         |
| 13/09/08 | 12:00 | 19.9        | 20.2       | 19.7        | 76         | 15.5 | 8.0           | WSW | 8.05        | 17.7        | SW        | 19.9          | 20.5          | 19.8 | 760.2 | 0.0  | 0.0          | 223           | 19.18           | 496                 | 1.8         |
| 13/09/08 | 13:00 | 20.2        | 20.4       | 19.9        | 74         | 15.4 | 11.3          | WSW | 11.27       | 25.7        | WSW       | 20.2          | 20.6          | 19.0 | 759.8 | 0.0  | 0.0          | 182           | 15.65           | 297                 | 1.4         |
| 13/09/08 | 14:00 | 19.8        | 20.3       | 18.9        | 78         | 15.8 | 19.3          | WSW | 19.31       | 38.6        | WSW       | 19.3          | 20.6          | 17.5 | 759.7 | 0.0  | 0.0          | 123           | 10.58           | 218                 | 0.9         |
| 13/09/08 | 15:00 | 18.4        | 18.9       | 17.7        | 77         | 14.3 | 20.9          | WSW | 20.92       | 38.6        | SW        | 17.4          | 18.9          | 15.5 | 759.7 | 0.0  | 0.0          | 133           | 11.44           | 206                 | 0.8         |
| 13/09/08 | 16:00 | 17.1        | 17.7       | 16.4        | 86         | 14.7 | 16.1          | WSW | 16.09       | 27.4        | SW        | 16.0          | 17.5          | 14.7 | 759.8 | 0.2  | 0.0          | 25            | 2.15            | 62                  | 0.1         |
| 13/09/08 | 17:00 | 15.7        | 16.4       | 15.3        | 88         | 13.7 | 16.1          | WSW | 16.09       | 29.0        | WSW       | 14.3          | 15.9          | 13.1 | 760.2 | 0.0  | 0.0          | 4             | 0.34            | 14                  | 0.0         |
| 13/09/08 | 18:00 | 15.1        | 15.3       | 14.9        | 92         | 13.8 | 4.8           | SW  | 4.83        | 17.7        | SW        | 15.1          | 15.3          | 14.9 | 760.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 13/09/08 | 19:00 | 14.9        | 14.9       | 14.9        | 93         | 13.8 | 0.0           | W   | 0.00        | 1.6         | W         | 14.9          | 15.1          | 15.1 | 760.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 13/09/08 | 20:00 | 14.9        | 14.9       | 14.8        | 94         | 14.0 | 0.0           | W   | 0.00        | 4.8         | W         | 14.9          | 15.1          | 15.1 | 761.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 13/09/08 | 21:00 | 14.8        | 14.9       | 14.5        | 93         | 13.7 | 3.2           | W   | 3.22        | 9.7         | W         | 14.8          | 14.9          | 14.8 | 761.4 | 0.2  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 13/09/08 | 22:00 | 14.1        | 14.5       | 13.7        | 93         | 13.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 14.1          | 14.2          | 14.2 | 761.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 13/09/08 | 23:00 | 13.7        | 13.9       | 13.3        | 92         | 12.4 | 0.0           | W   | 0.00        | 4.8         | W         | 13.7          | 13.8          | 13.8 | 761.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 14/09/08 | 00:00 | 12.9        | 13.3       | 12.3        | 95         | 12.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 12.9          | 13.1          | 13.1 | 761.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 14/09/08

| Date     | Time  | Temp<br>Out | Hi<br>Temp | Low<br>Temp | Out<br>Hum | Dew  | Wind<br>Speed | Dir | Wind<br>Run | Hi<br>Speed | Hi<br>Dir | Wind<br>Chill | Heat<br>Index | THW  | Bar   | Rain | Rain<br>Rate | Solar<br>Rad. | Solar<br>Energy | Hi<br>Solar<br>Rad. | Solar<br>UV |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 14/09/08 | 1:00  | 11.8        | 12.3       | 11.4        | 95         | 11.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 11.8          | 12.0          | 12.0 | 760.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 14/09/08 | 2:00  | 11.1        | 11.4       | 10.9        | 96         | 10.4 | 0.0           | --- | 0.00        | 0.0         | ---       | 11.1          | 11.3          | 11.3 | 760.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 14/09/08 | 3:00  | 10.6        | 11.1       | 10.1        | 96         | 10.0 | 1.6           | WSW | 1.61        | 8.0         | WSW       | 10.6          | 10.8          | 10.8 | 760.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 14/09/08 | 4:00  | 10.3        | 10.4       | 10.1        | 96         | 9.7  | 1.6           | WSW | 1.61        | 8.0         | WSW       | 10.3          | 10.6          | 10.6 | 760.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 14/09/08 | 5:00  | 10.3        | 10.4       | 10.2        | 94         | 9.4  | 4.8           | WSW | 4.83        | 9.7         | WSW       | 9.4           | 10.6          | 9.7  | 761.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 14/09/08 | 6:00  | 10.3        | 10.9       | 10.1        | 92         | 9.1  | 8.0           | WSW | 8.05        | 16.1        | N         | 8.6           | 10.6          | 8.8  | 761.8 | 0.0  | 0.0          | 18            | 1.55            | 77                  | 0.0         |
| 14/09/08 | 7:00  | 12.0        | 13.0       | 10.9        | 86         | 9.7  | 9.7           | WSW | 9.66        | 20.9        | SW        | 10.3          | 12.0          | 10.1 | 762.6 | 0.0  | 0.0          | 163           | 14.02           | 255                 | 0.4         |
| 14/09/08 | 8:00  | 13.9        | 14.8       | 13.0        | 80         | 10.5 | 11.3          | WSW | 11.27       | 20.9        | WSW       | 12.5          | 13.9          | 11.9 | 763.0 | 0.2  | 0.0          | 346           | 29.76           | 426                 | 1.1         |
| 14/09/08 | 9:00  | 15.9        | 16.8       | 14.8        | 77         | 11.9 | 16.1          | SW  | 16.09       | 29.0        | SW        | 14.4          | 15.9          | 13.0 | 762.6 | 0.0  | 0.0          | 498           | 42.83           | 561                 | 2.3         |
| 14/09/08 | 10:00 | 18.2        | 19.1       | 16.8        | 70         | 12.6 | 11.3          | WSW | 11.27       | 25.7        | SW        | 17.8          | 17.9          | 16.2 | 762.3 | 0.0  | 0.0          | 611           | 52.55           | 655                 | 3.7         |
| 14/09/08 | 11:00 | 20.0        | 21.3       | 19.1        | 55         | 10.7 | 11.3          | WSW | 11.27       | 22.5        | SW        | 20.0          | 19.5          | 18.0 | 761.4 | 0.0  | 0.0          | 682           | 58.66           | 700                 | 4.9         |
| 14/09/08 | 12:00 | 21.8        | 22.6       | 21.1        | 48         | 10.3 | 12.9          | SSW | 12.87       | 29.0        | WSW       | 21.8          | 20.9          | 19.2 | 760.4 | 0.0  | 0.0          | 696           | 59.86           | 706                 | 5.2         |
| 14/09/08 | 13:00 | 22.6        | 22.9       | 22.3        | 46         | 10.3 | 16.1          | SSW | 16.09       | 29.0        | SSW       | 22.6          | 21.9          | 19.7 | 759.7 | 0.0  | 0.0          | 657           | 56.51           | 684                 | 4.6         |
| 14/09/08 | 14:00 | 23.2        | 23.6       | 22.9        | 44         | 10.3 | 16.1          | SSW | 16.09       | 27.4        | SW        | 23.2          | 22.6          | 20.6 | 759.1 | 0.0  | 0.0          | 568           | 48.85           | 619                 | 3.4         |
| 14/09/08 | 15:00 | 23.7        | 24.1       | 23.4        | 40         | 9.3  | 12.9          | SSW | 12.87       | 24.1        | SSW       | 23.7          | 22.7          | 21.3 | 758.7 | 0.0  | 0.0          | 433           | 37.24           | 507                 | 1.9         |
| 14/09/08 | 16:00 | 23.9        | 24.1       | 23.8        | 39         | 9.1  | 11.3          | SSW | 11.27       | 22.5        | SSW       | 23.9          | 22.9          | 21.8 | 758.8 | 0.0  | 0.0          | 250           | 21.50           | 355                 | 0.8         |
| 14/09/08 | 17:00 | 23.3        | 23.9       | 22.1        | 47         | 11.4 | 4.8           | SSW | 4.83        | 14.5        | SSW       | 23.3          | 23.1          | 23.1 | 758.8 | 0.0  | 0.0          | 73            | 6.28            | 128                 | 0.2         |
| 14/09/08 | 18:00 | 19.3        | 22.1       | 17.1        | 62         | 11.9 | 0.0           | WSW | 0.00        | 4.8         | WSW       | 19.3          | 19.3          | 19.3 | 759.4 | 0.0  | 0.0          | 3             | 0.26            | 28                  | 0.0         |
| 14/09/08 | 19:00 | 15.8        | 17.1       | 14.7        | 76         | 11.6 | 0.0           | WSW | 0.00        | 1.6         | WSW       | 15.8          | 15.7          | 15.7 | 759.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 14/09/08 | 20:00 | 14.6        | 14.8       | 14.4        | 68         | 8.8  | 0.0           | --- | 0.00        | 0.0         | ---       | 14.6          | 14.1          | 14.1 | 760.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 14/09/08 | 21:00 | 14.3        | 14.8       | 14.2        | 61         | 6.9  | 0.0           | --- | 0.00        | 0.0         | ---       | 14.3          | 13.7          | 13.7 | 760.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 14/09/08 | 22:00 | 14.4        | 14.7       | 14.0        | 69         | 8.8  | 1.6           | WSW | 1.61        | 4.8         | WSW       | 14.4          | 13.9          | 13.9 | 760.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 14/09/08 | 23:00 | 13.6        | 14.0       | 13.3        | 77         | 9.7  | 0.0           | WSW | 0.00        | 8.0         | WSW       | 13.6          | 13.4          | 13.4 | 760.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 15/09/08 | 00:00 | 13.2        | 13.4       | 13.0        | 80         | 9.8  | 0.0           | --- | 0.00        | 0.0         | ---       | 13.2          | 13.2          | 13.2 | 760.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 15/09/08

| Date     | Time  | Temp<br>Out | Hi<br>Temp | Low<br>Temp | Out<br>Hum | Dew  | Wind<br>Speed | Dir | Wind<br>Run | Hi<br>Speed | Hi<br>Dir | Wind<br>Chill | Heat<br>Index | THW  | Bar   | Rain | Rain<br>Rate | Solar<br>Rad. | Solar<br>Energy | Hi<br>Solar<br>Rad. | Solar<br>UV |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 15/09/08 | 1:00  | 12.9        | 13.1       | 12.8        | 76         | 8.8  | 3.2           | WSW | 3.22        | 9.7         | SW        | 12.9          | 12.7          | 12.6 | 760.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 15/09/08 | 2:00  | 12.3        | 12.8       | 11.8        | 84         | 9.7  | 0.0           | WSW | 0.00        | 4.8         | WSW       | 12.3          | 12.3          | 12.3 | 759.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 15/09/08 | 3:00  | 11.7        | 11.8       | 11.6        | 87         | 9.6  | 0.0           | WSW | 0.00        | 1.6         | WSW       | 11.7          | 11.7          | 11.7 | 759.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 15/09/08 | 4:00  | 11.9        | 12.0       | 11.8        | 87         | 9.8  | 4.8           | WSW | 4.83        | 9.7         | W         | 11.3          | 11.9          | 11.2 | 760.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 15/09/08 | 5:00  | 12.2        | 12.3       | 11.8        | 86         | 9.9  | 4.8           | WSW | 4.83        | 9.7         | WSW       | 11.6          | 12.2          | 11.5 | 760.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 15/09/08 | 6:00  | 12.4        | 12.7       | 12.3        | 85         | 9.9  | 1.6           | WSW | 1.61        | 9.7         | WSW       | 12.4          | 12.4          | 12.4 | 761.5 | 0.0  | 0.0          | 4             | 0.34            | 21                  | 0.0         |
| 15/09/08 | 7:00  | 13.5        | 14.2       | 12.8        | 78         | 9.7  | 8.0           | WSW | 8.05        | 19.3        | SW        | 12.4          | 13.4          | 12.0 | 762.0 | 0.0  | 0.0          | 61            | 5.25            | 111                 | 0.2         |
| 15/09/08 | 8:00  | 15.4        | 16.4       | 14.2        | 67         | 9.3  | 16.1          | WSW | 16.09       | 27.4        | SW        | 13.8          | 14.9          | 12.0 | 762.0 | 0.0  | 0.0          | 201           | 17.29           | 417                 | 1.0         |
| 15/09/08 | 9:00  | 17.3        | 17.5       | 16.4        | 67         | 11.1 | 11.3          | SW  | 11.27       | 22.5        | SW        | 16.7          | 16.9          | 15.2 | 761.9 | 0.0  | 0.0          | 259           | 22.28           | 498                 | 1.7         |
| 15/09/08 | 10:00 | 18.9        | 20.5       | 17.6        | 61         | 11.2 | 6.4           | S   | 6.44        | 19.3        | SW        | 18.9          | 18.7          | 18.5 | 761.8 | 0.0  | 0.0          | 451           | 38.79           | 827                 | 3.4         |
| 15/09/08 | 11:00 | 21.7        | 22.9       | 20.5        | 48         | 10.2 | 4.8           | S   | 4.83        | 19.3        | S         | 21.7          | 20.7          | 20.7 | 761.2 | 0.0  | 0.0          | 748           | 64.34           | 874                 | 4.9         |
| 15/09/08 | 12:00 | 23.6        | 24.6       | 22.8        | 35         | 7.2  | 6.4           | S   | 6.44        | 22.5        | SSW       | 23.6          | 22.6          | 22.6 | 760.4 | 0.0  | 0.0          | 706           | 60.72           | 845                 | 5.1         |
| 15/09/08 | 13:00 | 24.7        | 25.0       | 24.5        | 40         | 10.2 | 4.8           | S   | 4.83        | 20.9        | NNW       | 24.7          | 23.7          | 23.7 | 759.5 | 0.0  | 0.0          | 648           | 55.74           | 674                 | 4.6         |
| 15/09/08 | 14:00 | 25.3        | 25.6       | 24.9        | 39         | 10.3 | 8.0           | SSW | 8.05        | 20.9        | SSW       | 25.3          | 24.5          | 24.1 | 759.0 | 0.0  | 0.0          | 550           | 47.31           | 604                 | 3.4         |
| 15/09/08 | 15:00 | 25.4        | 25.7       | 25.2        | 41         | 11.2 | 9.7           | S   | 9.66        | 19.3        | SSW       | 25.4          | 24.9          | 24.2 | 758.6 | 0.0  | 0.0          | 416           | 35.78           | 489                 | 1.9         |
| 15/09/08 | 16:00 | 25.0        | 25.3       | 24.6        | 45         | 12.2 | 11.3          | SSW | 11.27       | 20.9        | SSW       | 25.0          | 24.5          | 23.5 | 758.9 | 0.0  | 0.0          | 246           | 21.16           | 338                 | 0.8         |
| 15/09/08 | 17:00 | 23.7        | 24.6       | 22.3        | 48         | 12.1 | 9.7           | SSW | 9.66        | 17.7        | SSW       | 23.7          | 23.5          | 22.6 | 759.2 | 0.0  | 0.0          | 63            | 5.42            | 102                 | 0.2         |
| 15/09/08 | 18:00 | 20.6        | 22.3       | 18.9        | 64         | 13.5 | 4.8           | SW  | 4.83        | 12.9        | SSW       | 20.6          | 20.6          | 20.6 | 759.9 | 0.0  | 0.0          | 3             | 0.26            | 18                  | 0.0         |
| 15/09/08 | 19:00 | 17.6        | 18.9       | 15.8        | 70         | 12.1 | 3.2           | SW  | 3.22        | 8.0         | SW        | 17.6          | 17.3          | 17.3 | 760.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 15/09/08 | 20:00 | 15.5        | 15.8       | 15.1        | 72         | 10.5 | 0.0           | WSW | 0.00        | 4.8         | WSW       | 15.5          | 15.1          | 15.1 | 761.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 15/09/08 | 21:00 | 15.2        | 15.6       | 14.8        | 66         | 8.9  | 1.6           | WSW | 1.61        | 9.7         | WSW       | 15.2          | 14.7          | 14.7 | 761.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 15/09/08 | 22:00 | 14.6        | 15.2       | 13.7        | 68         | 8.7  | 1.6           | WSW | 1.61        | 11.3        | WSW       | 14.6          | 14.1          | 14.1 | 761.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 15/09/08 | 23:00 | 12.9        | 13.7       | 12.4        | 73         | 8.2  | 0.0           | WSW | 0.00        | 1.6         | WSW       | 12.9          | 12.5          | 12.5 | 761.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 16/09/08 | 00:00 | 12.1        | 12.6       | 11.8        | 74         | 7.6  | 0.0           | --- | 0.00        | 0.0         | ---       | 12.1          | 11.8          | 11.8 | 761.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 16/09/08

| Date     | Time  | Temp<br>Out | Hi<br>Temp | Low<br>Temp | Out<br>Hum | Dew  | Wind<br>Speed | Dir | Wind<br>Run | Hi<br>Speed | Hi<br>Dir | Wind<br>Chill | Heat<br>Index | THW  | Bar   | Rain | Rain<br>Rate | Solar<br>Rad. | Solar<br>Energy | Hi<br>Solar<br>Rad. | Solar<br>UV |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 16/09/08 | 1:00  | 12.4        | 12.7       | 12.0        | 73         | 7.7  | 0.0           | --- | 0.00        | 0.0         | ---       | 12.4          | 12.1          | 12.1 | 760.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 16/09/08 | 2:00  | 12.0        | 12.3       | 11.1        | 77         | 8.1  | 0.0           | --- | 0.00        | 0.0         | ---       | 12.0          | 11.8          | 11.8 | 760.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 16/09/08 | 3:00  | 10.3        | 11.1       | 10.1        | 81         | 7.2  | 0.0           | --- | 0.00        | 0.0         | ---       | 10.3          | 10.3          | 10.3 | 760.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 16/09/08 | 4:00  | 9.6         | 10.1       | 9.3         | 84         | 7.0  | 0.0           | --- | 0.00        | 0.0         | ---       | 9.6           | 9.6           | 9.6  | 760.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 16/09/08 | 5:00  | 8.6         | 9.3        | 8.2         | 90         | 7.1  | 0.0           | --- | 0.00        | 0.0         | ---       | 8.6           | 8.7           | 8.7  | 761.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 16/09/08 | 6:00  | 8.6         | 9.2        | 8.2         | 87         | 6.5  | 0.0           | --- | 0.00        | 0.0         | ---       | 8.6           | 8.6           | 8.6  | 762.2 | 0.0  | 0.0          | 23            | 1.98            | 91                  | 0.0         |
| 16/09/08 | 7:00  | 11.1        | 13.2       | 9.2         | 77         | 7.2  | 6.4           | WSW | 6.44        | 17.7        | SW        | 9.9           | 10.9          | 9.7  | 762.6 | 0.0  | 0.0          | 187           | 16.08           | 278                 | 0.4         |
| 16/09/08 | 8:00  | 14.6        | 16.1       | 13.2        | 64         | 7.9  | 12.9          | SW  | 12.87       | 20.9        | SW        | 13.2          | 14.1          | 11.8 | 762.8 | 0.0  | 0.0          | 365           | 31.39           | 445                 | 1.2         |
| 16/09/08 | 9:00  | 17.2        | 18.2       | 16.1        | 63         | 10.1 | 12.9          | SSW | 12.87       | 22.5        | SW        | 16.4          | 16.8          | 14.7 | 762.9 | 0.0  | 0.0          | 518           | 44.55           | 581                 | 2.6         |
| 16/09/08 | 10:00 | 19.4        | 20.8       | 18.2        | 54         | 9.8  | 6.4           | S   | 6.44        | 17.7        | S         | 19.4          | 18.7          | 18.5 | 762.5 | 0.0  | 0.0          | 634           | 54.53           | 677                 | 4.1         |
| 16/09/08 | 11:00 | 21.8        | 22.5       | 20.8        | 49         | 10.6 | 3.2           | S   | 3.22        | 16.1        | SSW       | 21.8          | 20.9          | 20.9 | 762.0 | 0.0  | 0.0          | 703           | 60.47           | 718                 | 5.2         |
| 16/09/08 | 12:00 | 23.4        | 24.2       | 22.5        | 47         | 11.5 | 6.4           | S   | 6.44        | 17.7        | SSW       | 23.4          | 23.2          | 23.2 | 761.1 | 0.0  | 0.0          | 717           | 61.67           | 723                 | 5.5         |
| 16/09/08 | 13:00 | 24.7        | 25.4       | 24.1        | 43         | 11.3 | 11.3          | S   | 11.27       | 22.5        | S         | 24.7          | 24.0          | 23.0 | 760.3 | 0.0  | 0.0          | 676           | 58.14           | 706                 | 4.9         |
| 16/09/08 | 14:00 | 25.7        | 26.1       | 25.2        | 34         | 8.7  | 12.9          | S   | 12.87       | 22.5        | S         | 25.7          | 25.0          | 23.8 | 759.8 | 0.0  | 0.0          | 587           | 50.49           | 640                 | 3.5         |
| 16/09/08 | 15:00 | 26.3        | 26.6       | 26.0        | 29         | 6.8  | 9.7           | S   | 9.66        | 19.3        | S         | 26.3          | 25.3          | 24.6 | 759.5 | 0.0  | 0.0          | 453           | 38.96           | 524                 | 2.1         |
| 16/09/08 | 16:00 | 26.4        | 26.6       | 26.3        | 39         | 11.4 | 9.7           | SSW | 9.66        | 19.3        | SSW       | 26.4          | 26.3          | 25.7 | 759.5 | 0.0  | 0.0          | 271           | 23.31           | 373                 | 0.8         |
| 16/09/08 | 17:00 | 25.7        | 26.3       | 24.6        | 43         | 12.1 | 3.2           | SSW | 3.22        | 14.5        | SSW       | 25.7          | 25.4          | 25.4 | 759.6 | 0.0  | 0.0          | 68            | 5.85            | 118                 | 0.2         |
| 16/09/08 | 18:00 | 22.0        | 24.6       | 20.1        | 54         | 12.3 | 0.0           | W   | 0.00        | 1.6         | W         | 22.0          | 21.5          | 21.5 | 760.1 | 0.0  | 0.0          | 4             | 0.34            | 28                  | 0.0         |
| 16/09/08 | 19:00 | 17.9        | 20.1       | 16.4        | 62         | 10.5 | 0.0           | --- | 0.00        | 0.0         | ---       | 17.9          | 17.6          | 17.6 | 760.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 16/09/08 | 20:00 | 15.7        | 16.7       | 14.8        | 54         | 6.4  | 0.0           | --- | 0.00        | 0.0         | ---       | 15.7          | 14.7          | 14.7 | 760.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 16/09/08 | 21:00 | 15.8        | 16.7       | 14.3        | 63         | 8.8  | 0.0           | WSW | 0.00        | 3.2         | WSW       | 15.8          | 15.3          | 15.3 | 760.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 16/09/08 | 22:00 | 13.9        | 14.3       | 13.6        | 64         | 7.2  | 0.0           | --- | 0.00        | 0.0         | ---       | 13.9          | 13.3          | 13.3 | 760.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 16/09/08 | 23:00 | 13.8        | 14.2       | 13.3        | 66         | 7.6  | 1.6           | SW  | 1.61        | 12.9        | SW        | 13.8          | 13.3          | 13.3 | 760.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 17/09/08 | 00:00 | 12.7        | 14.2       | 11.2        | 82         | 9.7  | 4.8           | W   | 4.83        | 11.3        | SSW       | 12.2          | 12.7          | 12.0 | 760.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |



## Ivinhema 17/09/08

| Date     | Time  | Temp<br>Out | Hi<br>Temp | Low<br>Temp | Out<br>Hum | Dew  | Wind<br>Speed | Dir | Wind<br>Run | Hi<br>Speed | Hi<br>Dir | Wind<br>Chill | Heat<br>Index | THW  | Bar   | Rain | Rain<br>Rate | Solar<br>Rad. | Solar<br>Energy | Hi<br>Solar<br>Rad. | Solar<br>UV |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 17/09/08 | 1:00  | 11.2        | 11.6       | 10.6        | 83         | 8.4  | 3.2           | WNW | 3.22        | 9.7         | WSW       | 11.1          | 11.2          | 11.0 | 759.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 17/09/08 | 2:00  | 11.8        | 14.2       | 9.9         | 74         | 7.3  | 3.2           | WNW | 3.22        | 29.0        | ESE       | 11.7          | 11.5          | 11.3 | 759.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 17/09/08 | 3:00  | 11.9        | 13.7       | 11.1        | 85         | 9.5  | 0.0           | SW  | 0.00        | 8.0         | SW        | 11.9          | 11.9          | 11.9 | 759.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 17/09/08 | 4:00  | 10.7        | 11.2       | 10.2        | 88         | 8.8  | 0.0           | --- | 0.00        | 0.0         | ---       | 10.7          | 10.8          | 10.8 | 760.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 17/09/08 | 5:00  | 10.4        | 10.8       | 10.2        | 85         | 8.0  | 0.0           | --- | 0.00        | 0.0         | ---       | 10.4          | 10.5          | 10.5 | 761.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 17/09/08 | 6:00  | 10.4        | 10.8       | 10.1        | 89         | 8.7  | 0.0           | --- | 0.00        | 0.0         | ---       | 10.4          | 10.6          | 10.6 | 761.8 | 0.0  | 0.0          | 22            | 1.89            | 86                  | 0.0         |
| 17/09/08 | 7:00  | 14.5        | 17.3       | 10.7        | 74         | 9.9  | 1.6           | ESE | 1.61        | 14.5        | ESE       | 14.5          | 14.2          | 14.2 | 762.2 | 0.0  | 0.0          | 179           | 15.40           | 267                 | 0.4         |
| 17/09/08 | 8:00  | 18.0        | 18.9       | 17.3        | 65         | 11.3 | 6.4           | ESE | 6.44        | 17.7        | SE        | 18.0          | 17.7          | 17.4 | 762.4 | 0.0  | 0.0          | 353           | 30.36           | 433                 | 1.2         |
| 17/09/08 | 9:00  | 19.8        | 20.8       | 18.9        | 57         | 11.1 | 8.0           | ESE | 8.05        | 20.9        | E         | 19.8          | 19.5          | 18.7 | 762.2 | 0.0  | 0.0          | 506           | 43.52           | 572                 | 2.5         |
| 17/09/08 | 10:00 | 21.8        | 22.7       | 20.8        | 50         | 10.9 | 4.8           | ESE | 4.83        | 17.7        | E         | 21.8          | 20.8          | 20.8 | 761.8 | 0.0  | 0.0          | 624           | 53.67           | 669                 | 4.0         |
| 17/09/08 | 11:00 | 23.4        | 24.1       | 22.7        | 46         | 11.2 | 8.0           | E   | 8.05        | 19.3        | ENE       | 23.4          | 23.1          | 22.6 | 761.2 | 0.0  | 0.0          | 693           | 59.61           | 709                 | 5.1         |
| 17/09/08 | 12:00 | 24.6        | 25.3       | 23.9        | 46         | 12.2 | 4.8           | ENE | 4.83        | 17.7        | NE        | 24.6          | 24.2          | 24.2 | 760.6 | 0.0  | 0.0          | 708           | 60.90           | 714                 | 5.4         |
| 17/09/08 | 13:00 | 25.6        | 26.0       | 25.2        | 43         | 12.1 | 4.8           | E   | 4.83        | 17.7        | ENE       | 25.6          | 25.3          | 25.3 | 759.4 | 0.0  | 0.0          | 668           | 57.46           | 697                 | 4.7         |
| 17/09/08 | 14:00 | 26.5        | 26.9       | 26.0        | 40         | 11.8 | 4.8           | E   | 4.83        | 16.1        | NE        | 26.5          | 26.5          | 26.5 | 758.4 | 0.0  | 0.0          | 576           | 49.54           | 628                 | 3.4         |
| 17/09/08 | 15:00 | 27.1        | 27.3       | 26.8        | 36         | 10.8 | 1.6           | E   | 1.61        | 11.3        | E         | 27.1          | 26.7          | 26.7 | 758.1 | 0.0  | 0.0          | 440           | 37.84           | 514                 | 1.9         |
| 17/09/08 | 16:00 | 27.3        | 27.6       | 27.2        | 33         | 9.6  | 1.6           | S   | 1.61        | 9.7         | SSW       | 27.3          | 26.6          | 26.6 | 758.1 | 0.0  | 0.0          | 265           | 22.79           | 366                 | 0.8         |
| 17/09/08 | 17:00 | 26.4        | 27.3       | 24.5        | 44         | 13.2 | 3.2           | SW  | 3.22        | 11.3        | SSW       | 26.4          | 26.4          | 26.4 | 758.2 | 0.0  | 0.0          | 65            | 5.59            | 111                 | 0.2         |
| 17/09/08 | 18:00 | 22.7        | 24.5       | 21.8        | 52         | 12.4 | 1.6           | SW  | 1.61        | 8.0         | S         | 22.7          | 22.5          | 22.5 | 758.6 | 0.0  | 0.0          | 3             | 0.26            | 26                  | 0.0         |
| 17/09/08 | 19:00 | 21.6        | 22.3       | 21.0        | 53         | 11.6 | 0.0           | S   | 0.00        | 8.0         | SSE       | 21.6          | 20.8          | 20.8 | 758.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 17/09/08 | 20:00 | 20.7        | 21.3       | 20.3        | 55         | 11.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 20.7          | 20.2          | 20.2 | 759.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 17/09/08 | 21:00 | 20.3        | 20.6       | 19.6        | 57         | 11.5 | 1.6           | ESE | 1.61        | 8.0         | ESE       | 20.3          | 20.0          | 20.0 | 759.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 17/09/08 | 22:00 | 19.4        | 19.6       | 19.1        | 58         | 11.0 | 0.0           | ESE | 0.00        | 1.6         | ESE       | 19.4          | 19.2          | 19.2 | 759.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 17/09/08 | 23:00 | 14.8        | 19.1       | 12.7        | 87         | 12.7 | 0.0           | W   | 0.00        | 4.8         | W         | 14.8          | 15.0          | 15.0 | 759.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 18/09/08 | 00:00 | 12.8        | 13.7       | 12.1        | 89         | 11.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 12.8          | 12.9          | 12.9 | 759.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 18/09/08

| Date     | Time  | Temp<br>Out | Hi<br>Temp | Low<br>Temp | Out<br>Hum | Dew  | Wind<br>Speed | Dir | Wind<br>Run | Hi<br>Speed | Hi<br>Dir | Wind<br>Chill | Heat<br>Index | THW  | Bar   | Rain | Rain<br>Rate | Solar<br>Rad. | Solar<br>Energy | Hi<br>Solar<br>Rad. | Solar<br>UV |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 18/09/08 | 1:00  | 12.0        | 14.2       | 11.4        | 82         | 9.0  | 0.0           | E   | 0.00        | 8.0         | E         | 12.0          | 11.9          | 11.9 | 759.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 18/09/08 | 2:00  | 16.8        | 18.1       | 14.2        | 73         | 11.9 | 6.4           | E   | 6.44        | 17.7        | ESE       | 16.7          | 16.6          | 16.0 | 759.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 18/09/08 | 3:00  | 13.3        | 14.9       | 12.8        | 81         | 10.1 | 0.0           | NE  | 0.00        | 8.0         | NE        | 13.3          | 13.3          | 13.3 | 759.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 18/09/08 | 4:00  | 13.6        | 15.8       | 12.4        | 72         | 8.6  | 3.2           | ESE | 3.22        | 19.3        | E         | 13.6          | 13.2          | 13.0 | 760.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 18/09/08 | 5:00  | 15.5        | 15.8       | 14.9        | 74         | 10.9 | 9.7           | ESE | 9.66        | 19.3        | ENE       | 14.7          | 15.3          | 13.7 | 760.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 18/09/08 | 6:00  | 14.9        | 15.1       | 14.8        | 72         | 9.9  | 8.0           | ESE | 8.05        | 22.5        | N         | 14.2          | 14.6          | 13.3 | 761.4 | 0.0  | 0.0          | 25            | 2.15            | 93                  | 0.0         |
| 18/09/08 | 7:00  | 15.7        | 16.4       | 15.1        | 66         | 9.4  | 11.3          | ESE | 11.27       | 22.5        | E         | 14.7          | 15.2          | 13.4 | 761.7 | 0.0  | 0.0          | 185           | 15.91           | 269                 | 0.4         |
| 18/09/08 | 8:00  | 17.3        | 18.2       | 16.4        | 59         | 9.2  | 14.5          | E   | 14.48       | 32.2        | ESE       | 16.4          | 16.8          | 14.4 | 762.1 | 0.0  | 0.0          | 353           | 30.36           | 433                 | 1.2         |
| 18/09/08 | 9:00  | 19.2        | 20.2       | 18.2        | 50         | 8.5  | 16.1          | E   | 16.09       | 33.8        | E         | 18.7          | 18.1          | 15.5 | 761.8 | 0.0  | 0.0          | 501           | 43.09           | 567                 | 2.6         |
| 18/09/08 | 10:00 | 21.3        | 22.0       | 20.2        | 46         | 9.2  | 14.5          | ESE | 14.48       | 29.0        | E         | 21.3          | 20.3          | 18.2 | 761.4 | 0.0  | 0.0          | 619           | 53.24           | 660                 | 4.1         |
| 18/09/08 | 11:00 | 21.9        | 22.5       | 21.6        | 43         | 8.8  | 12.9          | E   | 12.87       | 25.7        | ENE       | 21.9          | 21.0          | 19.3 | 760.6 | 0.0  | 0.0          | 678           | 58.32           | 697                 | 5.0         |
| 18/09/08 | 12:00 | 23.4        | 24.1       | 22.5        | 37         | 7.9  | 11.3          | ESE | 11.27       | 24.1        | E         | 23.4          | 22.4          | 21.2 | 759.5 | 0.0  | 0.0          | 694           | 59.69           | 702                 | 5.4         |
| 18/09/08 | 13:00 | 24.4        | 24.7       | 23.9        | 37         | 8.8  | 9.7           | E   | 9.66        | 20.9        | ESE       | 24.4          | 23.4          | 22.6 | 758.4 | 0.0  | 0.0          | 634           | 54.53           | 688                 | 4.1         |
| 18/09/08 | 14:00 | 25.1        | 25.2       | 24.7        | 35         | 8.5  | 11.3          | E   | 11.27       | 19.3        | E         | 25.1          | 24.1          | 23.1 | 757.7 | 0.0  | 0.0          | 529           | 45.50           | 609                 | 3.0         |
| 18/09/08 | 15:00 | 25.1        | 25.3       | 24.9        | 38         | 9.8  | 9.7           | E   | 9.66        | 16.1        | E         | 25.1          | 24.2          | 23.5 | 757.3 | 0.0  | 0.0          | 344           | 29.59           | 443                 | 1.4         |
| 18/09/08 | 16:00 | 25.2        | 25.3       | 24.9        | 43         | 11.7 | 8.0           | E   | 8.05        | 12.9        | E         | 25.2          | 24.7          | 24.3 | 757.3 | 0.0  | 0.0          | 225           | 19.35           | 303                 | 0.6         |
| 18/09/08 | 17:00 | 24.2        | 24.9       | 23.3        | 53         | 14.0 | 3.2           | ENE | 3.22        | 11.3        | ENE       | 24.2          | 24.2          | 24.2 | 757.5 | 0.0  | 0.0          | 64            | 5.50            | 97                  | 0.1         |
| 18/09/08 | 18:00 | 22.3        | 23.3       | 21.6        | 55         | 12.8 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.3          | 21.9          | 21.9 | 757.7 | 0.0  | 0.0          | 3             | 0.26            | 19                  | 0.0         |
| 18/09/08 | 19:00 | 21.3        | 21.6       | 20.7        | 64         | 14.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.3          | 21.3          | 21.3 | 758.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 18/09/08 | 20:00 | 18.6        | 20.7       | 15.7        | 81         | 15.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 18.6          | 19.3          | 19.3 | 758.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 18/09/08 | 21:00 | 15.7        | 17.4       | 15.0        | 68         | 9.8  | 0.0           | --- | 0.00        | 0.0         | ---       | 15.7          | 15.2          | 15.2 | 758.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 18/09/08 | 22:00 | 19.2        | 19.8       | 17.4        | 50         | 8.5  | 9.7           | E   | 9.66        | 20.9        | SE        | 19.2          | 18.1          | 16.9 | 758.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 18/09/08 | 23:00 | 19.5        | 19.8       | 19.3        | 50         | 8.8  | 11.3          | ESE | 11.27       | 20.9        | E         | 19.4          | 18.5          | 16.9 | 758.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 19/09/08 | 00:00 | 19.4        | 19.6       | 18.8        | 54         | 9.8  | 12.9          | E   | 12.87       | 29.0        | ESE       | 19.2          | 18.7          | 16.7 | 758.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 19/09/08

| Date     | Time  | Temp<br>Out | Hi<br>Temp | Low<br>Temp | Out<br>Hum | Dew  | Wind<br>Speed | Dir | Wind<br>Run | Hi<br>Speed | Hi<br>Dir | Wind<br>Chill | Heat<br>Index | THW  | Bar   | Rain | Rain<br>Rate | Solar<br>Rad. | Solar<br>Energy | Hi<br>Solar<br>Rad. | Solar<br>UV |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 19/09/08 | 1:00  | 18.1        | 18.8       | 17.7        | 56         | 9.2  | 9.7           | ESE | 9.66        | 22.5        | ESE       | 17.9          | 17.4          | 16.1 | 758.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 19/09/08 | 2:00  | 17.1        | 17.7       | 16.7        | 59         | 9.0  | 8.0           | ESE | 8.05        | 20.9        | SE        | 16.8          | 16.5          | 15.5 | 758.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 19/09/08 | 3:00  | 16.1        | 16.7       | 15.7        | 61         | 8.6  | 4.8           | ESE | 4.83        | 17.7        | E         | 16.1          | 15.6          | 15.3 | 758.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 19/09/08 | 4:00  | 15.3        | 15.8       | 14.8        | 67         | 9.2  | 3.2           | SE  | 3.22        | 12.9        | ESE       | 15.3          | 14.8          | 14.8 | 759.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 19/09/08 | 5:00  | 14.7        | 14.8       | 14.3        | 69         | 9.0  | 3.2           | ESE | 3.22        | 16.1        | ESE       | 14.7          | 14.2          | 14.1 | 759.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 19/09/08 | 6:00  | 14.4        | 14.7       | 14.2        | 67         | 8.3  | 4.8           | ESE | 4.83        | 12.9        | SE        | 14.2          | 13.8          | 13.4 | 760.2 | 0.0  | 0.0          | 15            | 1.29            | 55                  | 0.0         |
| 19/09/08 | 7:00  | 15.1        | 15.6       | 14.7        | 64         | 8.3  | 6.4           | ESE | 6.44        | 16.1        | ESE       | 14.7          | 14.6          | 13.9 | 760.6 | 0.0  | 0.0          | 105           | 9.03            | 167                 | 0.1         |
| 19/09/08 | 8:00  | 16.5        | 17.3       | 15.7        | 59         | 8.5  | 9.7           | E   | 9.66        | 19.3        | E         | 15.9          | 15.9          | 14.4 | 760.7 | 0.0  | 0.0          | 235           | 20.21           | 315                 | 0.5         |
| 19/09/08 | 9:00  | 18.2        | 19.3       | 17.3        | 53         | 8.5  | 12.9          | E   | 12.87       | 22.5        | E         | 17.7          | 17.3          | 15.3 | 760.2 | 0.0  | 0.0          | 367           | 31.57           | 461                 | 0.8         |
| 19/09/08 | 10:00 | 20.1        | 20.8       | 19.3        | 52         | 9.9  | 12.9          | E   | 12.87       | 25.7        | N         | 20.1          | 19.3          | 17.4 | 759.5 | 0.0  | 0.0          | 480           | 41.29           | 575                 | 1.5         |
| 19/09/08 | 11:00 | 21.8        | 22.3       | 20.9        | 51         | 11.2 | 17.7          | E   | 17.70       | 33.8        | N         | 21.8          | 20.9          | 18.4 | 758.9 | 0.0  | 0.0          | 475           | 40.86           | 607                 | 1.8         |
| 19/09/08 | 12:00 | 21.5        | 22.0       | 20.8        | 64         | 14.4 | 11.3          | ENE | 11.27       | 22.5        | ENE       | 21.5          | 21.5          | 20.1 | 757.5 | 0.6  | 21.0         | 114           | 9.81            | 273                 | 0.3         |
| 19/09/08 | 13:00 | 19.8        | 20.7       | 19.4        | 72         | 14.6 | 8.0           | ENE | 8.05        | 20.9        | ENE       | 19.8          | 20.0          | 19.2 | 757.0 | 0.2  | 21.0         | 99            | 8.52            | 146                 | 0.3         |
| 19/09/08 | 14:00 | 20.6        | 21.0       | 19.7        | 75         | 16.0 | 1.6           | NW  | 1.61        | 17.7        | NNW       | 20.6          | 21.1          | 21.1 | 757.5 | 0.4  | 22.0         | 64            | 5.50            | 150                 | 0.2         |
| 19/09/08 | 15:00 | 18.6        | 19.7       | 18.2        | 88         | 16.6 | 3.2           | SSE | 3.22        | 11.3        | ESE       | 18.6          | 19.4          | 19.4 | 756.7 | 5.8  | 35.0         | 29            | 2.49            | 107                 | 0.1         |
| 19/09/08 | 16:00 | 19.1        | 19.7       | 18.4        | 84         | 16.3 | 6.4           | S   | 6.44        | 19.3        | S         | 19.1          | 20.0          | 19.8 | 756.2 | 0.0  | 0.0          | 84            | 7.22            | 190                 | 0.3         |
| 19/09/08 | 17:00 | 19.4        | 19.7       | 19.3        | 87         | 17.2 | 3.2           | WSW | 3.22        | 16.1        | SW        | 19.4          | 20.4          | 20.4 | 756.6 | 0.0  | 0.0          | 32            | 2.75            | 90                  | 0.0         |
| 19/09/08 | 18:00 | 19.1        | 19.4       | 18.9        | 84         | 16.3 | 3.2           | SSW | 3.22        | 11.3        | S         | 19.1          | 20.0          | 20.0 | 756.0 | 0.0  | 0.0          | 1             | 0.09            | 11                  | 0.0         |
| 19/09/08 | 19:00 | 18.9        | 19.1       | 18.9        | 86         | 16.5 | 0.0           | --- | 0.00        | 0.0         | ---       | 18.9          | 19.8          | 19.8 | 756.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 19/09/08 | 20:00 | 17.6        | 18.9       | 16.7        | 92         | 16.3 | 0.0           | W   | 0.00        | 1.6         | W         | 17.6          | 18.1          | 18.1 | 756.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 19/09/08 | 21:00 | 16.3        | 16.7       | 15.8        | 94         | 15.4 | 1.6           | SW  | 1.61        | 9.7         | NW        | 16.3          | 16.6          | 16.6 | 756.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 19/09/08 | 22:00 | 16.7        | 18.1       | 15.9        | 88         | 14.7 | 9.7           | SW  | 9.66        | 40.2        | WSW       | 16.1          | 17.1          | 15.6 | 757.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 19/09/08 | 23:00 | 18.2        | 18.5       | 17.6        | 89         | 16.3 | 8.0           | SW  | 8.05        | 17.7        | SW        | 18.2          | 18.8          | 17.9 | 758.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 20/09/08 | 00:00 | 17.6        | 17.9       | 17.3        | 86         | 15.2 | 24.1          | SW  | 24.14       | 49.9        | WNW       | 16.1          | 18.1          | 14.2 | 758.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 20/09/08

| Date     | Time  | Temp<br>Out | Hi<br>Temp | Low<br>Temp | Out<br>Hum | Dew  | Wind<br>Speed | Dir | Wind<br>Run | Hi<br>Speed | Hi<br>Dir | Wind<br>Chill | Heat<br>Index | THW  | Bar   | Rain | Rain<br>Rate | Solar<br>Rad. | Solar<br>Energy | Hi<br>Solar<br>Rad. | Solar<br>UV |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 20/09/08 | 1:00  | 17.7        | 17.9       | 17.3        | 85         | 15.2 | 19.3          | SSW | 19.31       | 33.8        | SW        | 16.6          | 18.3          | 15.0 | 758.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 20/09/08 | 2:00  | 17.6        | 17.9       | 17.0        | 88         | 15.5 | 14.5          | SSW | 14.48       | 40.2        | W         | 16.7          | 18.1          | 15.6 | 758.6 | 3.0  | 38.6         | 0             | 0.00            | 0                   | 0.0         |
| 20/09/08 | 3:00  | 18.0        | 18.7       | 17.3        | 85         | 15.4 | 12.9          | S   | 12.87       | 41.8        | S         | 17.4          | 18.6          | 16.5 | 758.9 | 2.6  | 17.2         | 0             | 0.00            | 0                   | 0.0         |
| 20/09/08 | 4:00  | 17.7        | 18.1       | 17.3        | 92         | 16.4 | 1.6           | SW  | 1.61        | 20.9        | WNW       | 17.7          | 18.2          | 18.2 | 759.2 | 5.4  | 36.2         | 0             | 0.00            | 0                   | 0.0         |
| 20/09/08 | 5:00  | 16.9        | 17.3       | 16.7        | 95         | 16.1 | 6.4           | ENE | 6.44        | 17.7        | N         | 16.9          | 17.2          | 16.7 | 760.0 | 2.4  | 5.2          | 0             | 0.00            | 0                   | 0.0         |
| 20/09/08 | 6:00  | 17.0        | 17.3       | 16.7        | 94         | 16.0 | 17.7          | ENE | 17.70       | 35.4        | ENE       | 15.8          | 17.3          | 14.3 | 758.4 | 2.4  | 6.8          | 0             | 0.00            | 0                   | 0.0         |
| 20/09/08 | 7:00  | 17.6        | 17.8       | 17.3        | 93         | 16.4 | 20.9          | ENE | 20.92       | 35.4        | ENE       | 16.3          | 18.0          | 14.5 | 758.7 | 0.6  | 4.0          | 10            | 0.86            | 21                  | 0.0         |
| 20/09/08 | 8:00  | 17.7        | 17.9       | 17.4        | 92         | 16.4 | 12.9          | ENE | 12.87       | 29.0        | NE        | 17.0          | 18.2          | 16.1 | 759.5 | 0.0  | 0.0          | 37            | 3.18            | 49                  | 0.0         |
| 20/09/08 | 9:00  | 18.1        | 18.3       | 17.9        | 91         | 16.6 | 4.8           | E   | 4.83        | 17.7        | E         | 18.1          | 18.6          | 18.5 | 759.8 | 0.0  | 0.0          | 75            | 6.45            | 165                 | 0.5         |
| 20/09/08 | 10:00 | 18.8        | 18.9       | 18.3        | 88         | 16.7 | 9.7           | E   | 9.66        | 20.9        | ENE       | 18.7          | 19.6          | 18.3 | 759.3 | 0.0  | 0.0          | 166           | 14.28           | 213                 | 1.1         |
| 20/09/08 | 11:00 | 19.1        | 19.1       | 18.9        | 90         | 17.4 | 9.7           | ENE | 9.66        | 19.3        | NE        | 19.1          | 19.9          | 18.7 | 759.0 | 0.2  | 0.0          | 80            | 6.88            | 157                 | 0.6         |
| 20/09/08 | 12:00 | 19.0        | 19.6       | 18.8        | 88         | 17.0 | 9.7           | E   | 9.66        | 19.3        | ENE       | 19.0          | 19.8          | 18.6 | 758.3 | 0.2  | 0.0          | 153           | 13.16           | 347                 | 1.3         |
| 20/09/08 | 13:00 | 19.8        | 20.3       | 19.5        | 84         | 17.0 | 11.3          | ENE | 11.27       | 20.9        | NE        | 19.8          | 20.8          | 19.2 | 757.7 | 0.0  | 0.0          | 241           | 20.73           | 415                 | 1.9         |
| 20/09/08 | 14:00 | 20.4        | 20.9       | 20.2        | 83         | 17.5 | 8.0           | E   | 8.05        | 19.3        | E         | 20.4          | 21.4          | 20.8 | 756.8 | 0.0  | 0.0          | 248           | 21.33           | 401                 | 1.7         |
| 20/09/08 | 15:00 | 21.1        | 21.3       | 20.9        | 81         | 17.7 | 9.7           | NE  | 9.66        | 19.3        | NE        | 21.1          | 22.1          | 21.1 | 757.1 | 0.0  | 0.0          | 104           | 8.95            | 197                 | 0.7         |
| 20/09/08 | 16:00 | 20.6        | 21.0       | 20.1        | 87         | 18.3 | 6.4           | ENE | 6.44        | 11.3        | ENE       | 20.6          | 21.6          | 21.5 | 757.4 | 0.2  | 3.0          | 6             | 0.52            | 35                  | 0.0         |
| 20/09/08 | 17:00 | 19.1        | 20.1       | 17.0        | 94         | 18.1 | 11.3          | ENE | 11.27       | 38.6        | NW        | 18.9          | 19.7          | 18.1 | 758.6 | 9.2  | 104.8        | 0             | 0.00            | 7                   | 0.0         |
| 20/09/08 | 18:00 | 16.9        | 17.0       | 16.8        | 94         | 15.9 | 9.7           | W   | 9.66        | 22.5        | W         | 16.4          | 17.2          | 15.7 | 758.9 | 1.0  | 6.4          | 0             | 0.00            | 0                   | 0.0         |
| 20/09/08 | 19:00 | 16.6        | 16.8       | 16.4        | 95         | 15.8 | 3.2           | WNW | 3.22        | 12.9        | WNW       | 16.6          | 16.8          | 16.8 | 759.5 | 2.4  | 21.2         | 0             | 0.00            | 0                   | 0.0         |
| 20/09/08 | 20:00 | 16.6        | 16.6       | 16.4        | 94         | 15.6 | 8.0           | WNW | 8.05        | 19.3        | NW        | 16.2          | 16.8          | 15.7 | 760.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 20/09/08 | 21:00 | 16.3        | 16.6       | 16.2        | 92         | 15.0 | 11.3          | W   | 11.27       | 19.3        | W         | 15.5          | 16.6          | 14.8 | 760.5 | 0.2  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 20/09/08 | 22:00 | 16.1        | 16.2       | 15.9        | 92         | 14.8 | 12.9          | W   | 12.87       | 22.5        | W         | 15.0          | 16.3          | 14.1 | 760.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 20/09/08 | 23:00 | 15.9        | 16.1       | 15.8        | 91         | 14.5 | 17.7          | W   | 17.70       | 30.6        | W         | 14.4          | 16.2          | 13.1 | 760.2 | 0.2  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 21/09/08 | 00:00 | 15.4        | 15.8       | 15.0        | 89         | 13.6 | 16.1          | WSW | 16.09       | 32.2        | WSW       | 13.8          | 15.6          | 12.7 | 760.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 21/09/08

| Date     | Time  | Temp<br>Out | Hi<br>Temp | Low<br>Temp | Out<br>Hum | Dew  | Wind<br>Speed | Dir | Wind<br>Run | Hi<br>Speed | Hi<br>Dir | Wind<br>Chill | Heat<br>Index | THW  | Bar   | Rain | Rain<br>Rate | Solar<br>Rad. | Solar<br>Energy | Hi<br>Solar<br>Rad. | Solar<br>Rad. | UV  |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|---------------|-----|
| 21/09/08 | 1:00  | 15.0        | 15.1       | 14.6        | 89         | 13.2 | 16.1          | WSW | 16.09       | 30.6        | WSW       | 13.3          | 15.2          | 12.3 | 759.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.00          | 0.0 |
| 21/09/08 | 2:00  | 14.3        | 14.6       | 14.1        | 92         | 13.0 | 9.7           | W   | 9.66        | 17.7        | W         | 13.2          | 14.4          | 12.7 | 759.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.00          | 0.0 |
| 21/09/08 | 3:00  | 14.1        | 14.2       | 13.9        | 92         | 12.8 | 8.0           | W   | 8.05        | 19.3        | W         | 13.2          | 14.2          | 12.9 | 759.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.00          | 0.0 |
| 21/09/08 | 4:00  | 14.1        | 14.2       | 13.9        | 88         | 12.1 | 12.9          | WSW | 12.87       | 25.7        | W         | 12.4          | 14.2          | 11.8 | 760.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.00          | 0.0 |
| 21/09/08 | 5:00  | 13.3        | 13.9       | 13.1        | 92         | 12.1 | 4.8           | W   | 4.83        | 17.7        | W         | 13.0          | 13.4          | 12.9 | 760.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.00          | 0.0 |
| 21/09/08 | 6:00  | 13.1        | 13.3       | 12.9        | 92         | 11.8 | 0.0           | W   | 0.00        | 9.7         | W         | 13.1          | 13.2          | 13.2 | 761.5 | 0.0  | 0.0          | 4             | 0.34            | 12                  | 0.34          | 0.0 |
| 21/09/08 | 7:00  | 13.6        | 14.0       | 13.3        | 88         | 11.7 | 9.7           | W   | 9.66        | 22.5        | WSW       | 12.3          | 13.7          | 12.0 | 762.1 | 0.0  | 0.0          | 24            | 2.06            | 35                  | 2.06          | 0.0 |
| 21/09/08 | 8:00  | 14.3        | 14.8       | 14.0        | 86         | 12.0 | 12.9          | WSW | 12.87       | 20.9        | W         | 12.8          | 14.4          | 12.1 | 762.2 | 0.0  | 0.0          | 87            | 7.48            | 143                 | 7.48          | 0.5 |
| 21/09/08 | 9:00  | 15.1        | 15.3       | 14.8        | 81         | 11.8 | 17.7          | WSW | 17.70       | 32.2        | WSW       | 13.3          | 15.2          | 12.0 | 762.4 | 0.0  | 0.0          | 149           | 12.82           | 192                 | 12.82         | 1.0 |
| 21/09/08 | 10:00 | 15.9        | 16.8       | 15.1        | 74         | 11.3 | 16.1          | WSW | 16.09       | 29.0        | WSW       | 14.4          | 15.7          | 12.8 | 762.3 | 0.0  | 0.0          | 259           | 22.28           | 507                 | 22.28         | 2.1 |
| 21/09/08 | 11:00 | 17.4        | 17.9       | 16.8        | 67         | 11.2 | 17.7          | WSW | 17.70       | 33.8        | W         | 16.3          | 17.0          | 14.0 | 761.9 | 0.0  | 0.0          | 307           | 26.41           | 1017                | 26.41         | 3.2 |
| 21/09/08 | 12:00 | 18.3        | 18.8       | 17.6        | 65         | 11.6 | 19.3          | WSW | 19.31       | 30.6        | WSW       | 17.3          | 18.1          | 14.9 | 761.4 | 0.0  | 0.0          | 342           | 29.42           | 984                 | 29.42         | 3.5 |
| 21/09/08 | 13:00 | 18.7        | 18.9       | 18.2        | 61         | 11.0 | 16.1          | WSW | 16.09       | 30.6        | SW        | 18.1          | 18.4          | 15.8 | 760.7 | 0.0  | 0.0          | 250           | 21.50           | 996                 | 21.50         | 2.3 |
| 21/09/08 | 14:00 | 19.7        | 20.4       | 19.1        | 54         | 10.1 | 17.7          | WSW | 17.70       | 33.8        | WSW       | 19.3          | 19.1          | 16.3 | 759.9 | 0.0  | 0.0          | 291           | 25.03           | 852                 | 25.03         | 2.4 |
| 21/09/08 | 15:00 | 20.4        | 20.9       | 19.9        | 51         | 9.9  | 19.3          | WSW | 19.31       | 32.2        | W         | 20.1          | 19.5          | 16.5 | 759.8 | 0.0  | 0.0          | 246           | 21.16           | 649                 | 21.16         | 1.5 |
| 21/09/08 | 16:00 | 20.4        | 21.3       | 19.4        | 53         | 10.5 | 19.3          | W   | 19.31       | 33.8        | W         | 20.2          | 19.7          | 16.8 | 759.8 | 0.0  | 0.0          | 217           | 18.66           | 394                 | 18.66         | 0.8 |
| 21/09/08 | 17:00 | 19.9        | 20.6       | 18.8        | 55         | 10.6 | 12.9          | W   | 12.87       | 25.7        | W         | 19.9          | 19.4          | 17.5 | 759.8 | 0.0  | 0.0          | 67            | 5.76            | 141                 | 5.76          | 0.2 |
| 21/09/08 | 18:00 | 16.3        | 18.8       | 14.4        | 78         | 12.5 | 3.2           | W   | 3.22        | 11.3        | W         | 16.3          | 16.4          | 16.4 | 760.2 | 0.0  | 0.0          | 4             | 0.34            | 28                  | 0.34          | 0.0 |
| 21/09/08 | 19:00 | 14.1        | 14.4       | 13.4        | 79         | 10.5 | 6.4           | W   | 6.44        | 9.7         | W         | 13.4          | 14.0          | 13.2 | 760.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.00          | 0.0 |
| 21/09/08 | 20:00 | 12.8        | 13.5       | 12.0        | 84         | 10.1 | 4.8           | W   | 4.83        | 9.7         | W         | 12.3          | 12.8          | 12.2 | 760.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.00          | 0.0 |
| 21/09/08 | 21:00 | 12.3        | 12.4       | 12.1        | 82         | 9.3  | 3.2           | W   | 3.22        | 9.7         | W         | 12.3          | 12.2          | 12.0 | 761.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.00          | 0.0 |
| 21/09/08 | 22:00 | 11.4        | 12.0       | 10.6        | 86         | 9.2  | 3.2           | W   | 3.22        | 9.7         | W         | 11.3          | 11.5          | 11.3 | 761.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.00          | 0.0 |
| 21/09/08 | 23:00 | 10.1        | 10.6       | 9.7         | 88         | 8.2  | 0.0           | WSW | 0.00        | 4.8         | WSW       | 10.1          | 10.2          | 10.2 | 761.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.00          | 0.0 |
| 22/09/08 | 00:00 | 9.3         | 9.7        | 8.6         | 91         | 7.9  | 0.0           | --- | 0.00        | 0.0         | ---       | 9.3           | 9.4           | 9.4  | 761.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.00          | 0.0 |

## Ivinhema 22/09/08

| Date     | Time  | Temp<br>Out | Hi<br>Temp | Low<br>Temp | Out<br>Hum | Dew  | Wind<br>Speed | Dir | Wind<br>Run | Hi<br>Speed | Hi<br>Dir | Wind<br>Chill | Heat<br>Index | THW  | Bar   | Rain | Rain<br>Rate | Solar<br>Rad. | Solar<br>Energy | Hi<br>Solar<br>Rad. | Solar<br>UV |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 22/09/08 | 1:00  | 8.3         | 8.6        | 8.2         | 89         | 6.6  | 1.6           | WSW | 1.61        | 8.0         | WSW       | 8.3           | 8.4           | 8.4  | 761.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 22/09/08 | 2:00  | 8.1         | 8.2        | 7.8         | 89         | 6.4  | 0.0           | WSW | 0.00        | 3.2         | WSW       | 8.1           | 8.1           | 8.1  | 761.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 22/09/08 | 3:00  | 7.2         | 7.8        | 6.7         | 91         | 5.9  | 0.0           | --- | 0.00        | 0.0         | ---       | 7.2           | 7.3           | 7.3  | 761.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 22/09/08 | 4:00  | 6.4         | 6.7        | 6.2         | 92         | 5.2  | 0.0           | --- | 0.00        | 0.0         | ---       | 6.4           | 6.5           | 6.5  | 762.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 22/09/08 | 5:00  | 6.3         | 6.6        | 6.1         | 93         | 5.2  | 0.0           | --- | 0.00        | 0.0         | ---       | 6.3           | 6.3           | 6.3  | 762.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 22/09/08 | 6:00  | 6.8         | 7.4        | 6.4         | 93         | 5.7  | 0.0           | --- | 0.00        | 0.0         | ---       | 6.8           | 6.9           | 6.9  | 763.3 | 0.0  | 0.0          | 32            | 2.75            | 111                 | 0.0         |
| 22/09/08 | 7:00  | 9.6         | 11.4       | 7.4         | 81         | 6.5  | 3.2           | WSW | 3.22        | 11.3        | W         | 9.3           | 9.6           | 9.3  | 763.7 | 0.0  | 0.0          | 199           | 17.12           | 301                 | 0.5         |
| 22/09/08 | 8:00  | 12.8        | 13.9       | 11.4        | 60         | 5.2  | 9.7           | SW  | 9.66        | 20.9        | SW        | 11.3          | 12.2          | 10.3 | 763.9 | 0.0  | 0.0          | 388           | 33.37           | 468                 | 1.3         |
| 22/09/08 | 9:00  | 14.8        | 15.9       | 13.9        | 55         | 5.9  | 11.3          | SSW | 11.27       | 25.7        | SW        | 13.6          | 13.9          | 11.9 | 763.7 | 0.0  | 0.0          | 537           | 46.19           | 600                 | 2.7         |
| 22/09/08 | 10:00 | 16.7        | 17.2       | 15.7        | 53         | 7.0  | 12.9          | SSW | 12.87       | 29.0        | SSW       | 15.8          | 15.7          | 13.5 | 763.1 | 0.0  | 0.0          | 651           | 55.99           | 693                 | 4.2         |
| 22/09/08 | 11:00 | 17.7        | 18.2       | 17.2        | 50         | 7.1  | 14.5          | SSW | 14.48       | 38.6        | SW        | 16.9          | 16.5          | 14.0 | 762.5 | 0.0  | 0.0          | 718           | 61.76           | 734                 | 5.3         |
| 22/09/08 | 12:00 | 18.6        | 19.1       | 18.2        | 50         | 7.9  | 12.9          | SSW | 12.87       | 29.0        | SSW       | 18.2          | 17.4          | 15.4 | 761.5 | 0.0  | 0.0          | 729           | 62.70           | 735                 | 5.6         |
| 22/09/08 | 13:00 | 19.4        | 20.1       | 18.8        | 46         | 7.5  | 6.4           | S   | 6.44        | 22.5        | SSW       | 19.4          | 18.4          | 18.2 | 760.6 | 0.0  | 0.0          | 684           | 58.83           | 714                 | 5.0         |
| 22/09/08 | 14:00 | 20.6        | 21.4       | 20.1        | 44         | 7.9  | 9.7           | SSW | 9.66        | 29.0        | SSW       | 20.6          | 19.6          | 18.5 | 759.6 | 0.0  | 0.0          | 590           | 50.75           | 640                 | 3.6         |
| 22/09/08 | 15:00 | 21.5        | 21.9       | 21.0        | 42         | 8.0  | 8.0           | S   | 8.05        | 27.4        | WSW       | 21.5          | 20.5          | 19.9 | 759.2 | 0.0  | 0.0          | 455           | 39.14           | 526                 | 2.1         |
| 22/09/08 | 16:00 | 21.8        | 21.9       | 21.6        | 41         | 7.9  | 11.3          | WSW | 11.27       | 25.7        | SW        | 21.8          | 20.8          | 19.4 | 759.0 | 0.0  | 0.0          | 286           | 24.60           | 377                 | 0.9         |
| 22/09/08 | 17:00 | 21.0        | 21.6       | 19.7        | 52         | 10.8 | 9.7           | SW  | 9.66        | 20.9        | SW        | 21.0          | 20.2          | 19.2 | 759.2 | 0.0  | 0.0          | 61            | 5.25            | 113                 | 0.2         |
| 22/09/08 | 18:00 | 17.8        | 19.7       | 16.3        | 64         | 10.9 | 1.6           | SW  | 1.61        | 9.7         | SW        | 17.8          | 17.4          | 17.4 | 759.6 | 0.0  | 0.0          | 5             | 0.43            | 30                  | 0.0         |
| 22/09/08 | 19:00 | 15.7        | 16.3       | 14.6        | 72         | 10.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 15.7          | 15.3          | 15.3 | 760.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 22/09/08 | 20:00 | 13.8        | 14.6       | 13.3        | 79         | 10.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 13.8          | 13.8          | 13.8 | 760.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 22/09/08 | 21:00 | 12.6        | 13.3       | 12.2        | 84         | 10.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 12.6          | 12.6          | 12.6 | 760.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 22/09/08 | 22:00 | 12.7        | 12.9       | 12.2        | 83         | 9.9  | 0.0           | --- | 0.00        | 0.0         | ---       | 12.7          | 12.7          | 12.7 | 760.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 22/09/08 | 23:00 | 11.8        | 12.5       | 10.9        | 89         | 10.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 11.8          | 11.9          | 11.9 | 760.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 23/09/08 | 00:00 | 10.3        | 10.9       | 9.7         | 92         | 9.1  | 0.0           | SW  | 0.00        | 1.6         | SW        | 10.3          | 10.6          | 10.6 | 760.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 23/09/08

| Date     | Time  | Temp<br>Out | Hi<br>Temp | Low<br>Temp | Out<br>Hum | Dew  | Wind<br>Speed | Dir | Wind<br>Run | Hi<br>Speed | Hi<br>Dir | Wind<br>Chill | Heat<br>Index | THW  | Bar   | Rain | Rain<br>Rate | Solar<br>Rad. | Solar<br>Energy | Hi<br>Solar<br>Rad. | Solar<br>UV |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 23/09/08 | 1:00  | 9.9         | 10.1       | 9.6         | 92         | 8.6  | 3.2           | WSW | 3.22        | 8.0         | SW        | 9.6           | 10.1          | 9.8  | 759.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 23/09/08 | 2:00  | 9.7         | 9.9        | 9.4         | 91         | 8.3  | 0.0           | WSW | 0.00        | 8.0         | WSW       | 9.7           | 9.8           | 9.8  | 759.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 23/09/08 | 3:00  | 9.3         | 9.7        | 8.7         | 93         | 8.3  | 1.6           | WSW | 1.61        | 4.8         | WSW       | 9.3           | 9.6           | 9.6  | 759.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 23/09/08 | 4:00  | 8.8         | 8.9        | 8.7         | 94         | 7.9  | 0.0           | WSW | 0.00        | 4.8         | WSW       | 8.8           | 9.1           | 9.1  | 759.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 23/09/08 | 5:00  | 8.6         | 8.7        | 8.5         | 94         | 7.7  | 0.0           | WSW | 0.00        | 3.2         | WSW       | 8.6           | 8.8           | 8.8  | 760.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 23/09/08 | 6:00  | 8.8         | 10.1       | 8.5         | 95         | 8.0  | 1.6           | WSW | 1.61        | 9.7         | WSW       | 8.8           | 9.0           | 9.0  | 760.7 | 0.0  | 0.0          | 33            | 2.84            | 111                 | 0.0         |
| 23/09/08 | 7:00  | 12.2        | 14.1       | 10.1        | 87         | 10.1 | 8.0           | WSW | 8.05        | 16.1        | SW        | 10.8          | 12.2          | 10.7 | 760.9 | 0.0  | 0.0          | 196           | 16.86           | 294                 | 0.5         |
| 23/09/08 | 8:00  | 15.6        | 16.4       | 14.1        | 72         | 10.5 | 11.3          | SSW | 11.27       | 20.9        | S         | 14.6          | 15.2          | 13.3 | 761.3 | 0.0  | 0.0          | 385           | 33.11           | 466                 | 1.4         |
| 23/09/08 | 9:00  | 17.7        | 18.8       | 16.4        | 64         | 10.8 | 11.3          | SSW | 11.27       | 22.5        | SSW       | 17.2          | 17.3          | 15.6 | 761.1 | 0.0  | 0.0          | 537           | 46.19           | 600                 | 2.8         |
| 23/09/08 | 10:00 | 19.9        | 21.3       | 18.8        | 56         | 10.9 | 8.0           | SSW | 8.05        | 20.9        | SSW       | 19.9          | 19.6          | 18.8 | 760.5 | 0.0  | 0.0          | 652           | 56.08           | 695                 | 4.4         |
| 23/09/08 | 11:00 | 22.1        | 22.9       | 21.2        | 45         | 9.6  | 8.0           | S   | 8.05        | 27.4        | SW        | 22.1          | 21.2          | 20.7 | 759.9 | 0.0  | 0.0          | 721           | 62.01           | 737                 | 5.5         |
| 23/09/08 | 12:00 | 23.3        | 23.7       | 22.9        | 44         | 10.3 | 6.4           | SSW | 6.44        | 20.9        | SW        | 23.3          | 22.7          | 22.7 | 759.0 | 0.0  | 0.0          | 735           | 63.22           | 743                 | 5.8         |
| 23/09/08 | 13:00 | 24.0        | 24.3       | 23.3        | 41         | 9.9  | 4.8           | S   | 4.83        | 22.5        | S         | 24.0          | 23.1          | 23.1 | 758.0 | 0.0  | 0.0          | 692           | 59.52           | 723                 | 5.1         |
| 23/09/08 | 14:00 | 24.6        | 24.9       | 24.1        | 38         | 9.3  | 4.8           | SSW | 4.83        | 25.7        | S         | 24.6          | 23.6          | 23.6 | 757.4 | 0.0  | 0.0          | 598           | 51.43           | 653                 | 3.7         |
| 23/09/08 | 15:00 | 25.0        | 25.2       | 24.8        | 38         | 9.7  | 6.4           | SSW | 6.44        | 20.9        | SSW       | 25.0          | 24.0          | 24.0 | 757.3 | 0.0  | 0.0          | 460           | 39.57           | 533                 | 2.1         |
| 23/09/08 | 16:00 | 25.2        | 25.2       | 25.0        | 38         | 9.8  | 4.8           | SSW | 4.83        | 17.7        | SW        | 25.2          | 24.3          | 24.3 | 757.1 | 0.0  | 0.0          | 291           | 25.03           | 378                 | 0.9         |
| 23/09/08 | 17:00 | 24.7        | 25.1       | 23.9        | 48         | 13.0 | 1.6           | SSW | 1.61        | 11.3        | SSW       | 24.7          | 24.5          | 24.5 | 757.4 | 0.0  | 0.0          | 61            | 5.25            | 121                 | 0.2         |
| 23/09/08 | 18:00 | 22.4        | 23.8       | 20.8        | 64         | 15.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.4          | 22.6          | 22.6 | 757.7 | 0.0  | 0.0          | 5             | 0.43            | 30                  | 0.0         |
| 23/09/08 | 19:00 | 18.7        | 20.8       | 15.7        | 78         | 14.8 | 0.0           | --- | 0.00        | 0.0         | ---       | 18.7          | 19.3          | 19.3 | 758.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 23/09/08 | 20:00 | 15.4        | 15.7       | 14.6        | 83         | 12.5 | 0.0           | --- | 0.00        | 0.0         | ---       | 15.4          | 15.6          | 15.6 | 758.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 23/09/08 | 21:00 | 13.7        | 14.6       | 13.1        | 90         | 12.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 13.7          | 13.8          | 13.8 | 758.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 23/09/08 | 22:00 | 12.8        | 13.1       | 12.5        | 90         | 11.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 12.8          | 12.9          | 12.9 | 758.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 23/09/08 | 23:00 | 11.7        | 12.5       | 11.1        | 92         | 10.4 | 0.0           | NNE | 0.00        | 1.6         | NNE       | 11.7          | 11.8          | 11.8 | 758.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 24/09/08 | 00:00 | 10.9        | 11.4       | 10.4        | 93         | 9.8  | 0.0           | --- | 0.00        | 0.0         | ---       | 10.9          | 11.1          | 11.1 | 758.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 24/09/08

| Date     | Time  | Temp<br>Out | Hi<br>Temp | Low<br>Temp | Out<br>Hum | Dew  | Wind<br>Speed | Dir | Wind<br>Run | Hi<br>Speed | Hi<br>Dir | Wind<br>Chill | Heat<br>Index | THW  | Bar   | Rain | Rain<br>Rate | Solar<br>Rad. | Solar<br>Energy | Hi<br>Solar<br>Rad. | Solar<br>UV |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 24/09/08 | 1:00  | 10.3        | 10.4       | 10.1        | 93         | 9.3  | 0.0           | --- | 0.00        | 0.0         | ---       | 10.3          | 10.6          | 10.6 | 758.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 24/09/08 | 2:00  | 10.1        | 10.3       | 9.7         | 95         | 9.3  | 0.0           | NE  | 0.00        | 4.8         | NE        | 10.1          | 10.4          | 10.4 | 758.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 24/09/08 | 3:00  | 10.0        | 10.4       | 9.7         | 94         | 9.1  | 0.0           | NE  | 0.00        | 1.6         | NE        | 10.0          | 10.3          | 10.3 | 758.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 24/09/08 | 4:00  | 9.8         | 10.6       | 9.6         | 95         | 9.1  | 0.0           | --- | 0.00        | 0.0         | ---       | 9.8           | 10.1          | 10.1 | 759.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 24/09/08 | 5:00  | 9.3         | 9.6        | 9.1         | 96         | 8.7  | 0.0           | --- | 0.00        | 0.0         | ---       | 9.3           | 9.6           | 9.6  | 760.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 24/09/08 | 6:00  | 9.3         | 10.4       | 9.0         | 96         | 8.7  | 0.0           | --- | 0.00        | 0.0         | ---       | 9.3           | 9.6           | 9.6  | 761.0 | 0.2  | 0.0          | 32            | 2.75            | 107                 | 0.0         |
| 24/09/08 | 7:00  | 13.2        | 15.9       | 10.4        | 83         | 10.3 | 1.6           | ENE | 1.61        | 11.3        | ENE       | 13.2          | 13.2          | 13.2 | 761.2 | 0.0  | 0.0          | 189           | 16.26           | 283                 | 0.5         |
| 24/09/08 | 8:00  | 17.3        | 18.7       | 15.9        | 70         | 11.8 | 8.0           | E   | 8.05        | 16.1        | ESE       | 17.1          | 16.9          | 15.9 | 761.5 | 0.0  | 0.0          | 374           | 32.17           | 454                 | 1.4         |
| 24/09/08 | 9:00  | 19.7        | 20.5       | 18.7        | 61         | 11.9 | 12.9          | E   | 12.87       | 25.7        | ENE       | 19.6          | 19.6          | 17.7 | 761.6 | 0.0  | 0.0          | 522           | 44.90           | 584                 | 2.7         |
| 24/09/08 | 10:00 | 21.2        | 21.9       | 20.5        | 55         | 11.8 | 14.5          | E   | 14.48       | 25.7        | E         | 21.2          | 20.7          | 18.6 | 761.1 | 0.0  | 0.0          | 634           | 54.53           | 725                 | 4.2         |
| 24/09/08 | 11:00 | 22.6        | 23.3       | 21.8        | 53         | 12.5 | 14.5          | E   | 14.48       | 22.5        | E         | 22.6          | 22.3          | 20.4 | 760.6 | 0.0  | 0.0          | 710           | 61.07           | 721                 | 5.4         |
| 24/09/08 | 12:00 | 23.8        | 24.3       | 23.3        | 48         | 12.1 | 14.5          | E   | 14.48       | 22.5        | ENE       | 23.8          | 23.6          | 21.8 | 759.5 | 0.0  | 0.0          | 718           | 61.76           | 723                 | 5.7         |
| 24/09/08 | 13:00 | 24.7        | 25.1       | 24.2        | 41         | 10.6 | 14.5          | E   | 14.48       | 20.9        | E         | 24.7          | 23.8          | 22.3 | 758.7 | 0.0  | 0.0          | 684           | 58.83           | 718                 | 5.0         |
| 24/09/08 | 14:00 | 25.7        | 26.1       | 25.1        | 38         | 10.3 | 11.3          | E   | 11.27       | 20.9        | NE        | 25.7          | 25.3          | 24.3 | 758.1 | 0.0  | 0.0          | 581           | 49.97           | 758                 | 3.5         |
| 24/09/08 | 15:00 | 26.2        | 26.3       | 25.9        | 36         | 9.9  | 9.7           | E   | 9.66        | 20.9        | ENE       | 26.2          | 25.8          | 25.1 | 757.9 | 0.0  | 0.0          | 439           | 37.76           | 512                 | 2.0         |
| 24/09/08 | 16:00 | 26.2        | 26.3       | 26.0        | 36         | 9.9  | 9.7           | E   | 9.66        | 19.3        | ENE       | 26.2          | 25.8          | 25.1 | 757.8 | 0.0  | 0.0          | 272           | 23.40           | 355                 | 0.8         |
| 24/09/08 | 17:00 | 25.3        | 26.0       | 24.1        | 51         | 14.4 | 6.4           | ENE | 6.44        | 14.5        | ENE       | 25.3          | 25.3          | 25.3 | 758.0 | 0.0  | 0.0          | 58            | 4.99            | 127                 | 0.2         |
| 24/09/08 | 18:00 | 22.8        | 24.1       | 21.6        | 64         | 15.6 | 1.6           | E   | 1.61        | 4.8         | E         | 22.8          | 23.1          | 23.1 | 758.5 | 0.0  | 0.0          | 4             | 0.34            | 32                  | 0.0         |
| 24/09/08 | 19:00 | 19.7        | 21.6       | 18.7        | 79         | 16.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 19.7          | 20.6          | 20.6 | 758.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 24/09/08 | 20:00 | 18.2        | 18.7       | 17.3        | 83         | 15.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 18.2          | 18.9          | 18.9 | 759.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 24/09/08 | 21:00 | 15.8        | 17.3       | 14.2        | 89         | 14.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 15.8          | 16.1          | 16.1 | 759.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 24/09/08 | 22:00 | 13.9        | 14.2       | 13.8        | 91         | 12.5 | 0.0           | --- | 0.00        | 0.0         | ---       | 13.9          | 14.1          | 14.1 | 759.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 24/09/08 | 23:00 | 13.4        | 13.9       | 12.9        | 92         | 12.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 13.4          | 13.5          | 13.5 | 759.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 25/09/08 | 00:00 | 12.7        | 13.0       | 12.7        | 92         | 11.5 | 0.0           | --- | 0.00        | 0.0         | ---       | 12.7          | 12.8          | 12.8 | 759.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |



## Ivinhema 25/09/08

| Date     | Time  | Temp<br>Out | Hi<br>Temp | Low<br>Temp | Out<br>Hum | Dew  | Wind<br>Speed | Dir | Wind<br>Run | Hi<br>Speed | Hi<br>Dir | Wind<br>Chill | Heat<br>Index | THW  | Bar   | Rain | Rain<br>Rate | Solar<br>Rad. | Solar<br>Energy | Hi<br>Solar<br>Rad. | Solar<br>UV |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 25/09/08 | 1:00  | 14.3        | 17.1       | 12.6        | 71         | 9.1  | 1.6           | ESE | 1.61        | 12.9        | ESE       | 14.3          | 13.9          | 13.9 | 758.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 25/09/08 | 2:00  | 15.8        | 17.6       | 12.8        | 88         | 13.8 | 3.2           | E   | 3.22        | 12.9        | ESE       | 15.8          | 16.1          | 16.1 | 759.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 25/09/08 | 3:00  | 13.8        | 15.7       | 12.5        | 86         | 11.5 | 0.0           | ESE | 0.00        | 8.0         | E         | 13.8          | 13.8          | 13.8 | 759.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 25/09/08 | 4:00  | 14.6        | 15.8       | 12.4        | 79         | 11.0 | 1.6           | ESE | 1.61        | 17.7        | ESE       | 14.6          | 14.6          | 14.6 | 760.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 25/09/08 | 5:00  | 15.6        | 15.8       | 15.3        | 79         | 12.0 | 1.6           | ESE | 1.61        | 9.7         | ESE       | 15.6          | 15.7          | 15.7 | 760.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 25/09/08 | 6:00  | 15.4        | 15.7       | 15.3        | 79         | 11.8 | 1.6           | ESE | 1.61        | 9.7         | ESE       | 15.4          | 15.5          | 15.5 | 761.3 | 0.0  | 0.0          | 14            | 1.20            | 32                  | 0.0         |
| 25/09/08 | 7:00  | 16.1        | 16.6       | 15.7        | 75         | 11.6 | 1.6           | SE  | 1.61        | 12.9        | ESE       | 16.1          | 15.9          | 15.9 | 761.8 | 0.0  | 0.0          | 59            | 5.07            | 116                 | 0.2         |
| 25/09/08 | 8:00  | 17.2        | 17.9       | 16.6        | 69         | 11.5 | 3.2           | SE  | 3.22        | 16.1        | SSE       | 17.2          | 16.8          | 16.8 | 761.9 | 0.0  | 0.0          | 171           | 14.71           | 229                 | 0.8         |
| 25/09/08 | 9:00  | 18.6        | 19.5       | 17.9        | 63         | 11.4 | 6.4           | ESE | 6.44        | 17.7        | ESE       | 18.6          | 18.3          | 18.0 | 761.9 | 0.0  | 0.0          | 237           | 20.38           | 438                 | 1.5         |
| 25/09/08 | 10:00 | 20.1        | 20.8       | 19.5        | 59         | 11.8 | 8.0           | E   | 8.05        | 16.1        | ENE       | 20.1          | 19.9          | 19.2 | 761.6 | 0.0  | 0.0          | 395           | 33.97           | 537                 | 2.7         |
| 25/09/08 | 11:00 | 21.1        | 21.4       | 20.7        | 60         | 13.0 | 6.4           | ESE | 6.44        | 14.5        | E         | 21.1          | 21.1          | 21.0 | 760.8 | 0.0  | 0.0          | 372           | 32.00           | 706                 | 3.0         |
| 25/09/08 | 12:00 | 21.8        | 22.3       | 21.3        | 58         | 13.1 | 4.8           | E   | 4.83        | 11.3        | E         | 21.8          | 21.6          | 21.6 | 759.8 | 0.0  | 0.0          | 326           | 28.04           | 403                 | 2.7         |
| 25/09/08 | 13:00 | 22.7        | 23.2       | 22.2        | 54         | 12.9 | 4.8           | E   | 4.83        | 11.3        | E         | 22.7          | 22.4          | 22.4 | 758.9 | 0.0  | 0.0          | 404           | 34.75           | 563                 | 2.8         |
| 25/09/08 | 14:00 | 23.4        | 23.7       | 23.1        | 53         | 13.3 | 4.8           | E   | 4.83        | 11.3        | ENE       | 23.4          | 23.4          | 23.4 | 758.5 | 0.0  | 0.0          | 348           | 29.93           | 493                 | 2.2         |
| 25/09/08 | 15:00 | 24.2        | 24.9       | 23.7        | 51         | 13.4 | 0.0           | E   | 0.00        | 8.0         | E         | 24.2          | 24.2          | 24.2 | 758.1 | 0.0  | 0.0          | 261           | 22.45           | 551                 | 1.4         |
| 25/09/08 | 16:00 | 24.7        | 25.0       | 24.6        | 51         | 13.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 24.7          | 24.7          | 24.7 | 758.1 | 0.0  | 0.0          | 148           | 12.73           | 287                 | 0.6         |
| 25/09/08 | 17:00 | 23.4        | 24.6       | 22.8        | 64         | 16.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.4          | 23.8          | 23.8 | 758.4 | 0.0  | 0.0          | 58            | 4.99            | 86                  | 0.1         |
| 25/09/08 | 18:00 | 21.6        | 22.8       | 19.9        | 75         | 16.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.6          | 22.1          | 22.1 | 758.7 | 0.0  | 0.0          | 8             | 0.69            | 48                  | 0.0         |
| 25/09/08 | 19:00 | 18.2        | 19.9       | 17.3        | 83         | 15.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 18.2          | 18.9          | 18.9 | 759.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 25/09/08 | 20:00 | 17.1        | 17.5       | 16.7        | 84         | 14.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 17.1          | 17.5          | 17.5 | 759.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 25/09/08 | 21:00 | 16.6        | 16.9       | 16.3        | 85         | 14.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 16.6          | 17.0          | 17.0 | 759.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 25/09/08 | 22:00 | 16.4        | 16.6       | 16.3        | 84         | 13.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 16.4          | 16.8          | 16.8 | 759.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 25/09/08 | 23:00 | 15.4        | 16.3       | 14.8        | 90         | 13.8 | 0.0           | --- | 0.00        | 0.0         | ---       | 15.4          | 15.7          | 15.7 | 759.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 26/09/08 | 00:00 | 14.0        | 14.8       | 13.4        | 92         | 12.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 14.0          | 14.1          | 14.1 | 758.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 26/09/08

| Date     | Time  | Temp<br>Out | Hi<br>Temp | Low<br>Temp | Out<br>Hum | Dew  | Wind<br>Speed | Dir | Wind<br>Run | Hi<br>Speed | Hi<br>Dir | Wind<br>Chill | Heat<br>Index | THW  | Bar   | Rain | Rain<br>Rate | Solar<br>Rad. | Solar<br>Energy | Hi<br>Solar<br>Rad. | Solar<br>UV |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 26/09/08 | 1:00  | 13.6        | 14.1       | 13.3        | 94         | 12.6 | 0.0           | S   | 0.00        | 8.0         | S         | 13.6          | 13.6          | 13.6 | 757.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 26/09/08 | 2:00  | 14.4        | 15.3       | 13.7        | 92         | 13.2 | 3.2           | N   | 3.22        | 11.3        | N         | 14.4          | 14.6          | 14.5 | 757.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 26/09/08 | 3:00  | 13.4        | 13.7       | 13.2        | 94         | 12.4 | 0.0           | --- | 0.00        | 0.0         | ---       | 13.4          | 13.4          | 13.4 | 757.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 26/09/08 | 4:00  | 12.7        | 13.2       | 12.3        | 96         | 12.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 12.7          | 12.8          | 12.8 | 758.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 26/09/08 | 5:00  | 12.2        | 12.8       | 11.4        | 95         | 11.4 | 0.0           | --- | 0.00        | 0.0         | ---       | 12.2          | 12.3          | 12.3 | 759.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 26/09/08 | 6:00  | 11.7        | 12.5       | 11.3        | 96         | 11.1 | 0.0           | W   | 0.00        | 1.6         | W         | 11.7          | 11.9          | 11.9 | 759.4 | 0.0  | 0.0          | 27            | 2.32            | 93                  | 0.0         |
| 26/09/08 | 7:00  | 14.5        | 16.6       | 12.5        | 93         | 13.4 | 0.0           | W   | 0.00        | 4.8         | W         | 14.5          | 14.6          | 14.6 | 759.8 | 0.0  | 0.0          | 177           | 15.22           | 274                 | 0.4         |
| 26/09/08 | 8:00  | 18.9        | 20.8       | 16.6        | 71         | 13.6 | 0.0           | SSW | 0.00        | 8.0         | SSW       | 18.9          | 18.9          | 18.9 | 759.8 | 0.0  | 0.0          | 361           | 31.05           | 442                 | 1.2         |
| 26/09/08 | 9:00  | 21.6        | 22.3       | 20.8        | 67         | 15.2 | 6.4           | E   | 6.44        | 12.9        | ENE       | 21.6          | 21.6          | 21.5 | 759.5 | 0.0  | 0.0          | 511           | 43.95           | 574                 | 2.4         |
| 26/09/08 | 10:00 | 23.3        | 24.2       | 22.3        | 59         | 14.8 | 8.0           | E   | 8.05        | 17.7        | ENE       | 23.3          | 23.3          | 22.8 | 758.7 | 0.0  | 0.0          | 625           | 53.76           | 669                 | 3.8         |
| 26/09/08 | 11:00 | 24.7        | 25.3       | 24.1        | 56         | 15.4 | 8.0           | E   | 8.05        | 17.7        | E         | 24.7          | 24.7          | 24.3 | 758.0 | 0.0  | 0.0          | 695           | 59.78           | 713                 | 4.9         |
| 26/09/08 | 12:00 | 25.8        | 26.4       | 25.3        | 51         | 14.9 | 6.4           | E   | 6.44        | 19.3        | NE        | 25.8          | 25.8          | 25.8 | 757.2 | 0.0  | 0.0          | 708           | 60.90           | 714                 | 5.2         |
| 26/09/08 | 13:00 | 26.6        | 27.1       | 26.2        | 50         | 15.3 | 6.4           | E   | 6.44        | 17.7        | E         | 26.6          | 26.6          | 26.6 | 756.3 | 0.0  | 0.0          | 673           | 57.89           | 697                 | 4.6         |
| 26/09/08 | 14:00 | 27.3        | 28.1       | 27.1        | 44         | 14.0 | 3.2           | E   | 3.22        | 14.5        | E         | 27.3          | 27.4          | 27.4 | 755.5 | 0.0  | 0.0          | 586           | 50.40           | 639                 | 3.3         |
| 26/09/08 | 15:00 | 27.9        | 28.1       | 27.7        | 45         | 14.9 | 1.6           | E   | 1.61        | 11.3        | E         | 27.9          | 28.3          | 28.3 | 755.1 | 0.0  | 0.0          | 444           | 38.19           | 523                 | 1.9         |
| 26/09/08 | 16:00 | 27.9        | 28.3       | 27.6        | 43         | 14.2 | 1.6           | E   | 1.61        | 9.7         | E         | 27.9          | 28.1          | 28.1 | 755.0 | 0.0  | 0.0          | 276           | 23.74           | 362                 | 0.8         |
| 26/09/08 | 17:00 | 27.9        | 28.3       | 26.9        | 47         | 15.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 27.9          | 28.6          | 28.6 | 755.3 | 0.0  | 0.0          | 58            | 4.99            | 127                 | 0.2         |
| 26/09/08 | 18:00 | 25.4        | 26.9       | 23.3        | 64         | 18.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 25.4          | 26.0          | 26.0 | 755.6 | 0.0  | 0.0          | 4             | 0.34            | 26                  | 0.0         |
| 26/09/08 | 19:00 | 21.7        | 23.3       | 20.4        | 76         | 17.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.7          | 22.3          | 22.3 | 755.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 26/09/08 | 20:00 | 19.1        | 20.3       | 17.9        | 80         | 15.5 | 0.0           | --- | 0.00        | 0.0         | ---       | 19.1          | 19.9          | 19.9 | 756.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 26/09/08 | 21:00 | 17.8        | 18.1       | 17.4        | 81         | 14.5 | 0.0           | ESE | 0.00        | 8.0         | ESE       | 17.8          | 18.3          | 18.3 | 756.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 26/09/08 | 22:00 | 16.9        | 17.9       | 15.5        | 88         | 14.9 | 1.6           | N   | 1.61        | 8.0         | ESE       | 16.9          | 17.4          | 17.4 | 756.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 26/09/08 | 23:00 | 15.3        | 15.6       | 14.9        | 92         | 14.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 15.3          | 15.4          | 15.4 | 756.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 27/09/08 | 00:00 | 14.4        | 14.9       | 14.2        | 94         | 13.5 | 0.0           | --- | 0.00        | 0.0         | ---       | 14.4          | 14.6          | 14.6 | 755.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 27/09/08

| Date     | Time  | Temp<br>Out | Hi<br>Temp | Low<br>Temp | Out<br>Hum | Dew  | Wind<br>Speed | Dir | Wind<br>Run | Hi<br>Speed | Hi<br>Dir | Wind<br>Chill | Heat<br>Index | THW  | Bar   | Rain | Rain<br>Rate | Solar<br>Rad. | Solar<br>Energy | Hi<br>Solar<br>Rad. | Solar<br>UV |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 27/09/08 | 1:00  | 13.9        | 14.2       | 13.5        | 95         | 13.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 13.9          | 13.9          | 13.9 | 755.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 27/09/08 | 2:00  | 13.0        | 13.7       | 12.5        | 95         | 12.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 13.0          | 13.1          | 13.1 | 755.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 27/09/08 | 3:00  | 11.8        | 12.5       | 11.3        | 96         | 11.2 | 0.0           | NE  | 0.00        | 1.6         | NE        | 11.8          | 11.9          | 11.9 | 755.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 27/09/08 | 4:00  | 11.5        | 12.0       | 10.8        | 96         | 10.9 | 1.6           | SW  | 1.61        | 9.7         | NNE       | 11.5          | 11.7          | 11.7 | 756.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 27/09/08 | 5:00  | 11.2        | 11.6       | 10.9        | 96         | 10.6 | 0.0           | NE  | 0.00        | 8.0         | NE        | 11.2          | 11.3          | 11.3 | 756.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 27/09/08 | 6:00  | 11.0        | 12.2       | 10.4        | 97         | 10.5 | 0.0           | --- | 0.00        | 0.0         | ---       | 11.0          | 11.2          | 11.2 | 757.7 | 0.0  | 0.0          | 34            | 2.92            | 107                 | 0.0         |
| 27/09/08 | 7:00  | 14.6        | 16.6       | 12.2        | 94         | 13.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 14.6          | 14.7          | 14.7 | 758.2 | 0.0  | 0.0          | 189           | 16.26           | 283                 | 0.5         |
| 27/09/08 | 8:00  | 18.7        | 20.6       | 16.6        | 75         | 14.1 | 4.8           | E   | 4.83        | 12.9        | E         | 18.7          | 18.9          | 18.9 | 758.4 | 0.0  | 0.0          | 382           | 32.86           | 461                 | 1.3         |
| 27/09/08 | 9:00  | 21.8        | 22.9       | 20.6        | 62         | 14.2 | 12.9          | E   | 12.87       | 22.5        | E         | 21.8          | 21.8          | 20.1 | 758.2 | 0.0  | 0.0          | 533           | 45.84           | 598                 | 2.7         |
| 27/09/08 | 10:00 | 23.6        | 24.4       | 22.9        | 61         | 15.6 | 14.5          | E   | 14.48       | 27.4        | ENE       | 23.6          | 23.7          | 22.0 | 758.0 | 0.0  | 0.0          | 648           | 55.74           | 688                 | 4.2         |
| 27/09/08 | 11:00 | 25.1        | 25.8       | 24.3        | 56         | 15.7 | 12.9          | E   | 12.87       | 22.5        | E         | 25.1          | 25.1          | 23.9 | 757.4 | 0.0  | 0.0          | 717           | 61.67           | 748                 | 5.3         |
| 27/09/08 | 12:00 | 26.2        | 26.6       | 25.7        | 48         | 14.3 | 12.9          | E   | 12.87       | 20.9        | E         | 26.2          | 26.2          | 25.1 | 756.4 | 0.0  | 0.0          | 688           | 59.18           | 744                 | 4.1         |
| 27/09/08 | 13:00 | 27.2        | 27.8       | 26.6        | 40         | 12.4 | 9.7           | E   | 9.66        | 19.3        | E         | 27.2          | 27.2          | 26.6 | 755.6 | 0.0  | 0.0          | 647           | 55.65           | 711                 | 3.5         |
| 27/09/08 | 14:00 | 28.1        | 28.3       | 27.8        | 35         | 11.2 | 8.0           | E   | 8.05        | 16.1        | ENE       | 28.1          | 27.6          | 27.3 | 754.8 | 0.0  | 0.0          | 548           | 47.13           | 607                 | 2.4         |
| 27/09/08 | 15:00 | 28.7        | 28.9       | 28.2        | 28         | 8.4  | 6.4           | E   | 6.44        | 19.3        | NE        | 28.7          | 27.6          | 27.6 | 754.5 | 0.0  | 0.0          | 408           | 35.09           | 486                 | 1.3         |
| 27/09/08 | 16:00 | 28.6        | 28.9       | 28.2        | 38         | 12.9 | 4.8           | E   | 4.83        | 12.9        | ENE       | 28.6          | 28.4          | 28.4 | 754.3 | 0.0  | 0.0          | 250           | 21.50           | 334                 | 0.6         |
| 27/09/08 | 17:00 | 27.9        | 28.2       | 27.2        | 42         | 13.8 | 0.0           | ENE | 0.00        | 1.6         | ENE       | 27.9          | 28.1          | 28.1 | 754.6 | 0.0  | 0.0          | 59            | 5.07            | 130                 | 0.1         |
| 27/09/08 | 18:00 | 25.5        | 27.2       | 23.2        | 71         | 19.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 25.5          | 26.6          | 26.6 | 755.0 | 0.0  | 0.0          | 5             | 0.43            | 25                  | 0.0         |
| 27/09/08 | 19:00 | 22.1        | 23.2       | 21.0        | 74         | 17.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.1          | 22.6          | 22.6 | 755.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 27/09/08 | 20:00 | 19.1        | 20.9       | 17.9        | 86         | 16.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 19.1          | 20.0          | 20.0 | 755.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 27/09/08 | 21:00 | 17.3        | 17.9       | 17.0        | 84         | 14.6 | 0.0           | SSE | 0.00        | 1.6         | SSE       | 17.3          | 17.8          | 17.8 | 756.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 27/09/08 | 22:00 | 16.1        | 16.9       | 15.5        | 86         | 13.8 | 0.0           | S   | 0.00        | 8.0         | S         | 16.1          | 16.4          | 16.4 | 756.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 27/09/08 | 23:00 | 16.0        | 18.4       | 14.6        | 74         | 11.4 | 0.0           | --- | 0.00        | 0.0         | ---       | 16.0          | 15.8          | 15.8 | 756.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 28/09/08 | 00:00 | 18.0        | 19.1       | 16.9        | 69         | 12.2 | 1.6           | ESE | 1.61        | 12.9        | ESE       | 18.0          | 17.7          | 17.7 | 756.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 28/09/08

| Date     | Time  | Temp<br>Out | Hi<br>Temp | Low<br>Temp | Out<br>Hum | Dew  | Wind<br>Speed | Dir | Wind<br>Run | Hi<br>Speed | Hi<br>Dir | Wind<br>Chill | Heat<br>Index | THW  | Bar   | Rain | Rain<br>Rate | Solar<br>Rad. | Solar<br>Energy | Hi<br>Solar<br>Rad. | Solar<br>UV |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 28/09/08 | 1:00  | 19.2        | 19.5       | 18.9        | 68         | 13.1 | 4.8           | ESE | 4.83        | 12.9        | ESE       | 19.2          | 19.1          | 19.0 | 756.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 28/09/08 | 2:00  | 19.6        | 19.9       | 19.3        | 68         | 13.5 | 8.0           | ESE | 8.05        | 19.3        | E         | 19.6          | 19.6          | 18.8 | 756.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 28/09/08 | 3:00  | 16.9        | 19.6       | 14.9        | 84         | 14.2 | 3.2           | NE  | 3.22        | 16.1        | E         | 16.9          | 17.3          | 17.3 | 756.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 28/09/08 | 4:00  | 13.9        | 14.9       | 13.3        | 90         | 12.3 | 1.6           | NE  | 1.61        | 9.7         | NE        | 13.9          | 14.0          | 14.0 | 756.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 28/09/08 | 5:00  | 14.9        | 15.8       | 13.3        | 84         | 12.2 | 8.0           | ENE | 8.05        | 16.1        | ESE       | 14.2          | 15.1          | 13.8 | 757.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 28/09/08 | 6:00  | 15.9        | 16.8       | 15.7        | 81         | 12.7 | 9.7           | ENE | 9.66        | 19.3        | ENE       | 15.2          | 16.2          | 14.7 | 758.5 | 0.0  | 0.0          | 40            | 3.44            | 118                 | 0.0         |
| 28/09/08 | 7:00  | 17.9        | 19.1       | 16.8        | 68         | 11.9 | 11.3          | E   | 11.27       | 27.4        | E         | 17.4          | 17.6          | 15.8 | 759.3 | 0.0  | 0.0          | 207           | 17.80           | 290                 | 0.5         |
| 28/09/08 | 8:00  | 19.7        | 20.5       | 19.1        | 62         | 12.2 | 12.9          | E   | 12.87       | 24.1        | E         | 19.6          | 19.7          | 17.8 | 759.9 | 0.0  | 0.0          | 377           | 32.43           | 459                 | 1.3         |
| 28/09/08 | 9:00  | 21.2        | 21.8       | 20.5        | 59         | 12.8 | 16.1          | E   | 16.09       | 27.4        | ENE       | 21.2          | 21.1          | 18.6 | 759.8 | 0.0  | 0.0          | 529           | 45.50           | 591                 | 2.7         |
| 28/09/08 | 10:00 | 22.4        | 23.2       | 21.8        | 54         | 12.7 | 17.7          | E   | 17.70       | 32.2        | ENE       | 22.4          | 22.1          | 19.7 | 759.3 | 0.0  | 0.0          | 638           | 54.88           | 679                 | 4.1         |
| 28/09/08 | 11:00 | 23.8        | 24.4       | 23.2        | 51         | 13.1 | 16.1          | E   | 16.09       | 30.6        | E         | 23.8          | 23.8          | 21.9 | 758.7 | 0.0  | 0.0          | 702           | 60.38           | 718                 | 5.2         |
| 28/09/08 | 12:00 | 25.2        | 25.8       | 24.4        | 48         | 13.4 | 14.5          | E   | 14.48       | 25.7        | E         | 25.2          | 25.0          | 23.5 | 757.7 | 0.0  | 0.0          | 715           | 61.50           | 721                 | 5.4         |
| 28/09/08 | 13:00 | 26.3        | 26.8       | 25.8        | 43         | 12.8 | 16.1          | E   | 16.09       | 27.4        | ENE       | 26.3          | 26.3          | 24.8 | 756.4 | 0.0  | 0.0          | 675           | 58.06           | 704                 | 4.7         |
| 28/09/08 | 14:00 | 27.2        | 27.9       | 26.8        | 42         | 13.2 | 16.1          | E   | 16.09       | 27.4        | E         | 27.2          | 27.3          | 25.9 | 755.5 | 0.0  | 0.0          | 578           | 49.71           | 635                 | 3.4         |
| 28/09/08 | 15:00 | 28.0        | 28.3       | 27.7        | 39         | 12.8 | 14.5          | E   | 14.48       | 25.7        | E         | 28.0          | 27.9          | 26.8 | 755.4 | 0.0  | 0.0          | 440           | 37.84           | 514                 | 1.9         |
| 28/09/08 | 16:00 | 28.2        | 28.4       | 28.0        | 41         | 13.7 | 12.9          | ENE | 12.87       | 25.7        | NE        | 28.2          | 28.3          | 27.5 | 755.5 | 0.0  | 0.0          | 263           | 22.62           | 355                 | 0.8         |
| 28/09/08 | 17:00 | 27.2        | 28.0       | 25.9        | 51         | 16.2 | 8.0           | E   | 8.05        | 16.1        | ENE       | 27.2          | 27.4          | 27.2 | 755.5 | 0.0  | 0.0          | 62            | 5.33            | 135                 | 0.2         |
| 28/09/08 | 18:00 | 24.7        | 25.9       | 23.7        | 59         | 16.2 | 3.2           | E   | 3.22        | 8.0         | E         | 24.7          | 24.7          | 24.7 | 755.7 | 0.0  | 0.0          | 4             | 0.34            | 26                  | 0.0         |
| 28/09/08 | 19:00 | 22.9        | 23.7       | 21.7        | 67         | 16.5 | 0.0           | E   | 0.00        | 4.8         | E         | 22.9          | 23.6          | 23.6 | 756.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 28/09/08 | 20:00 | 21.4        | 21.7       | 21.3        | 62         | 13.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.4          | 21.4          | 21.4 | 756.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 28/09/08 | 21:00 | 22.0        | 22.4       | 21.3        | 54         | 12.3 | 6.4           | ESE | 6.44        | 16.1        | ESE       | 22.0          | 21.5          | 21.5 | 756.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 28/09/08 | 22:00 | 21.8        | 22.0       | 21.7        | 52         | 11.5 | 8.0           | ESE | 8.05        | 16.1        | ESE       | 21.8          | 21.1          | 20.5 | 756.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 28/09/08 | 23:00 | 21.0        | 21.8       | 18.7        | 66         | 14.4 | 8.0           | ENE | 8.05        | 17.7        | ESE       | 21.0          | 21.0          | 20.4 | 757.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 29/09/08 | 00:00 | 17.2        | 18.6       | 16.3        | 73         | 12.3 | 0.0           | ENE | 0.00        | 4.8         | ENE       | 17.2          | 17.1          | 17.1 | 756.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 29/09/08

| Date     | Time  | Temp<br>Out | Hi<br>Temp | Low<br>Temp | Out<br>Hum | Dew  | Wind<br>Speed | Dir | Wind<br>Run | Hi<br>Speed | Hi<br>Dir | Wind<br>Chill | Heat<br>Index | THW  | Bar   | Rain | Rain<br>Rate | Solar<br>Rad. | Solar<br>Energy | Hi<br>Solar<br>Rad. | Solar<br>UV |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 29/09/08 | 1:00  | 16.1        | 17.4       | 15.4        | 70         | 10.6 | 1.6           | ENE | 1.61        | 9.7         | ENE       | 16.1          | 15.6          | 15.6 | 756.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 29/09/08 | 2:00  | 18.5        | 19.7       | 17.4        | 72         | 13.4 | 6.4           | ENE | 6.44        | 20.9        | E         | 18.5          | 18.5          | 18.2 | 756.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 29/09/08 | 3:00  | 17.2        | 17.4       | 17.0        | 74         | 12.5 | 0.0           | ENE | 0.00        | 4.8         | ENE       | 17.2          | 17.2          | 17.2 | 757.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 29/09/08 | 4:00  | 17.6        | 17.9       | 17.1        | 72         | 12.5 | 4.8           | ESE | 4.83        | 16.1        | ESE       | 17.6          | 17.4          | 17.3 | 757.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 29/09/08 | 5:00  | 17.8        | 17.9       | 17.7        | 74         | 13.1 | 9.7           | ESE | 9.66        | 19.3        | E         | 17.6          | 17.9          | 16.5 | 757.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 29/09/08 | 6:00  | 17.6        | 17.7       | 17.5        | 74         | 12.9 | 8.0           | ESE | 8.05        | 17.7        | ESE       | 17.4          | 17.6          | 16.6 | 758.3 | 0.0  | 0.0          | 19            | 1.63            | 88                  | 0.0         |
| 29/09/08 | 7:00  | 18.7        | 19.2       | 17.7        | 68         | 12.6 | 12.9          | E   | 12.87       | 29.0        | ENE       | 18.3          | 18.5          | 16.5 | 758.4 | 0.0  | 0.0          | 184           | 15.83           | 259                 | 0.4         |
| 29/09/08 | 8:00  | 19.8        | 20.4       | 19.2        | 66         | 13.3 | 16.1          | E   | 16.09       | 32.2        | SE        | 19.6          | 19.8          | 17.2 | 758.3 | 0.0  | 0.0          | 345           | 29.67           | 412                 | 1.1         |
| 29/09/08 | 9:00  | 21.2        | 21.9       | 20.4        | 64         | 14.1 | 20.9          | E   | 20.92       | 33.8        | E         | 21.1          | 21.2          | 18.2 | 757.9 | 0.0  | 0.0          | 488           | 41.97           | 596                 | 2.2         |
| 29/09/08 | 10:00 | 22.9        | 23.9       | 21.9        | 55         | 13.4 | 17.7          | E   | 17.70       | 33.8        | ENE       | 22.9          | 22.9          | 20.6 | 757.6 | 0.0  | 0.0          | 564           | 48.51           | 637                 | 3.0         |
| 29/09/08 | 11:00 | 23.8        | 24.1       | 23.6        | 57         | 14.8 | 12.9          | E   | 12.87       | 30.6        | ENE       | 23.8          | 23.8          | 22.4 | 757.4 | 0.0  | 0.0          | 394           | 33.89           | 545                 | 2.4         |
| 29/09/08 | 12:00 | 24.3        | 24.6       | 23.9        | 57         | 15.3 | 9.7           | E   | 9.66        | 19.3        | ENE       | 24.3          | 24.3          | 23.5 | 756.9 | 0.0  | 0.0          | 290           | 24.94           | 364                 | 1.7         |
| 29/09/08 | 13:00 | 24.9        | 25.3       | 24.6        | 53         | 14.7 | 11.3          | E   | 11.27       | 22.5        | SE        | 24.9          | 24.9          | 23.9 | 756.4 | 0.0  | 0.0          | 300           | 25.80           | 396                 | 1.7         |
| 29/09/08 | 14:00 | 26.2        | 26.9       | 25.2        | 46         | 13.7 | 9.7           | ESE | 9.66        | 19.3        | E         | 26.2          | 26.2          | 25.6 | 755.5 | 0.0  | 0.0          | 400           | 34.40           | 709                 | 2.1         |
| 29/09/08 | 15:00 | 27.0        | 27.3       | 26.8        | 47         | 14.7 | 8.0           | SE  | 8.05        | 20.9        | SSE       | 27.0          | 27.1          | 26.8 | 754.8 | 0.0  | 0.0          | 289           | 24.86           | 516                 | 1.3         |
| 29/09/08 | 16:00 | 27.3        | 27.4       | 26.9        | 49         | 15.6 | 6.4           | ESE | 6.44        | 16.1        | ESE       | 27.3          | 27.5          | 27.5 | 754.5 | 0.0  | 0.0          | 238           | 20.47           | 359                 | 0.7         |
| 29/09/08 | 17:00 | 26.5        | 27.3       | 25.4        | 53         | 16.1 | 3.2           | S   | 3.22        | 9.7         | SSE       | 26.5          | 26.8          | 26.8 | 754.4 | 0.0  | 0.0          | 77            | 6.62            | 125                 | 0.1         |
| 29/09/08 | 18:00 | 24.4        | 25.4       | 23.7        | 56         | 15.1 | 1.6           | SSE | 1.61        | 9.7         | SSE       | 24.4          | 24.4          | 24.4 | 755.0 | 0.0  | 0.0          | 1             | 0.09            | 11                  | 0.0         |
| 29/09/08 | 19:00 | 23.4        | 23.7       | 23.3        | 51         | 12.7 | 3.2           | SSE | 3.22        | 12.9        | SSE       | 23.4          | 23.4          | 23.4 | 755.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 29/09/08 | 20:00 | 23.9        | 24.2       | 23.4        | 47         | 11.9 | 9.7           | ESE | 9.66        | 25.7        | ESE       | 23.9          | 23.7          | 22.8 | 754.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 29/09/08 | 21:00 | 24.3        | 24.6       | 23.8        | 47         | 12.3 | 1.6           | ESE | 1.61        | 12.9        | ESE       | 24.3          | 24.1          | 24.1 | 755.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 29/09/08 | 22:00 | 22.5        | 23.8       | 21.3        | 56         | 13.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.5          | 22.3          | 22.3 | 755.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 29/09/08 | 23:00 | 22.1        | 23.7       | 19.2        | 76         | 17.7 | 6.4           | SW  | 6.44        | 27.4        | SW        | 22.1          | 22.8          | 22.8 | 756.6 | 0.8  | 32.8         | 0             | 0.00            | 0                   | 0.0         |
| 30/09/08 | 00:00 | 18.6        | 19.2       | 17.7        | 87         | 16.3 | 0.0           | S   | 0.00        | 3.2         | ENE       | 18.6          | 19.3          | 19.3 | 756.4 | 0.2  | 0.8          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 30/09/08

| Date     | Time  | Temp<br>Out | Hi<br>Temp | Low<br>Temp | Out<br>Hum | Dew  | Wind<br>Speed | Dir | Wind<br>Run | Hi<br>Speed | Hi<br>Dir | Wind<br>Chill | Heat<br>Index | THW  | Bar   | Rain | Rain<br>Rate | Solar<br>Rad. | Solar<br>Energy | Hi<br>Solar<br>Rad. | Solar<br>UV |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 30/09/08 | 1:00  | 17.1        | 17.6       | 16.8        | 91         | 15.6 | 0.0           | N   | 0.00        | 1.6         | N         | 17.1          | 17.5          | 17.5 | 756.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 30/09/08 | 2:00  | 17.1        | 17.3       | 16.8        | 86         | 14.7 | 1.6           | NE  | 1.61        | 8.0         | N         | 17.1          | 17.5          | 17.5 | 755.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 30/09/08 | 3:00  | 17.7        | 18.3       | 17.2        | 83         | 14.8 | 1.6           | ENE | 1.61        | 9.7         | NE        | 17.7          | 18.3          | 18.3 | 756.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 30/09/08 | 4:00  | 19.0        | 19.2       | 18.3        | 81         | 15.7 | 0.0           | S   | 0.00        | 11.3        | S         | 19.0          | 19.8          | 19.8 | 756.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 30/09/08 | 5:00  | 18.4        | 19.1       | 17.3        | 91         | 16.9 | 6.4           | N   | 6.44        | 17.7        | N         | 18.4          | 19.1          | 18.7 | 757.2 | 0.4  | 1.6          | 0             | 0.00            | 0                   | 0.0         |
| 30/09/08 | 6:00  | 17.5        | 17.8       | 17.3        | 90         | 15.8 | 4.8           | ENE | 4.83        | 11.3        | E         | 17.5          | 18.1          | 17.9 | 757.3 | 0.0  | 0.0          | 4             | 0.34            | 16                  | 0.0         |
| 30/09/08 | 7:00  | 18.6        | 19.5       | 17.8        | 83         | 15.7 | 9.7           | ENE | 9.66        | 19.3        | ENE       | 18.5          | 19.4          | 18.1 | 757.2 | 0.0  | 0.0          | 89            | 7.65            | 252                 | 0.2         |
| 30/09/08 | 8:00  | 20.3        | 21.0       | 19.5        | 76         | 15.9 | 11.3          | E   | 11.27       | 20.9        | E         | 20.3          | 20.9          | 19.4 | 757.7 | 0.0  | 0.0          | 197           | 16.94           | 406                 | 0.9         |
| 30/09/08 | 9:00  | 21.6        | 22.5       | 20.8        | 76         | 17.2 | 12.9          | E   | 12.87       | 22.5        | E         | 21.6          | 22.2          | 20.5 | 757.8 | 0.0  | 0.0          | 385           | 33.11           | 618                 | 2.0         |
| 30/09/08 | 10:00 | 23.4        | 24.3       | 22.5        | 71         | 17.9 | 9.7           | E   | 9.66        | 19.3        | ENE       | 23.4          | 24.4          | 23.6 | 757.1 | 0.0  | 0.0          | 545           | 46.88           | 700                 | 3.0         |
| 30/09/08 | 11:00 | 25.4        | 26.4       | 24.3        | 66         | 18.6 | 6.4           | E   | 6.44        | 17.7        | E         | 25.4          | 26.2          | 26.2 | 756.4 | 0.0  | 0.0          | 647           | 55.65           | 679                 | 4.3         |
| 30/09/08 | 12:00 | 27.8        | 28.8       | 26.4        | 59         | 19.0 | 8.0           | NE  | 8.05        | 22.5        | N         | 27.8          | 28.8          | 28.5 | 755.3 | 0.0  | 0.0          | 681           | 58.57           | 707                 | 4.7         |
| 30/09/08 | 13:00 | 29.9        | 30.6       | 28.9        | 56         | 20.2 | 8.0           | N   | 8.05        | 22.5        | NW        | 29.9          | 32.0          | 31.8 | 754.5 | 0.0  | 0.0          | 659           | 56.68           | 704                 | 4.1         |
| 30/09/08 | 14:00 | 30.7        | 31.2       | 30.3        | 53         | 20.0 | 3.2           | N   | 3.22        | 19.3        | N         | 30.7          | 33.1          | 33.1 | 753.6 | 0.0  | 0.0          | 514           | 44.21           | 618                 | 2.7         |
| 30/09/08 | 15:00 | 31.4        | 31.8       | 30.9        | 53         | 20.7 | 4.8           | WNW | 4.83        | 30.6        | NNW       | 31.4          | 34.4          | 34.4 | 753.1 | 0.0  | 0.0          | 332           | 28.56           | 533                 | 1.4         |
| 30/09/08 | 16:00 | 30.6        | 31.7       | 28.9        | 63         | 22.7 | 8.0           | NW  | 8.05        | 22.5        | SSW       | 30.6          | 34.7          | 34.5 | 753.3 | 0.0  | 0.0          | 173           | 14.88           | 366                 | 0.7         |
| 30/09/08 | 17:00 | 28.3        | 28.9       | 27.2        | 70         | 22.3 | 8.0           | SW  | 8.05        | 19.3        | SSW       | 28.3          | 31.6          | 31.3 | 753.7 | 0.0  | 0.0          | 56            | 4.82            | 107                 | 0.1         |
| 30/09/08 | 18:00 | 25.9        | 27.2       | 24.8        | 76         | 21.3 | 4.8           | SW  | 4.83        | 12.9        | SSW       | 25.9          | 27.6          | 27.6 | 753.6 | 0.0  | 0.0          | 4             | 0.34            | 19                  | 0.0         |
| 30/09/08 | 19:00 | 24.5        | 25.1       | 23.9        | 80         | 20.8 | 3.2           | SW  | 3.22        | 11.3        | SSW       | 24.5          | 26.0          | 26.0 | 754.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 30/09/08 | 20:00 | 23.1        | 24.3       | 21.9        | 86         | 20.6 | 0.0           | SW  | 0.00        | 1.6         | SW        | 23.1          | 24.2          | 24.2 | 754.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 30/09/08 | 21:00 | 21.6        | 21.9       | 21.2        | 88         | 19.5 | 0.0           | WSW | 0.00        | 1.6         | WSW       | 21.6          | 22.6          | 22.6 | 754.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 30/09/08 | 22:00 | 21.3        | 21.4       | 21.1        | 91         | 19.7 | 0.0           | NNE | 0.00        | 1.6         | NNE       | 21.3          | 22.4          | 22.4 | 754.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 30/09/08 | 23:00 | 20.9        | 21.1       | 20.8        | 92         | 19.6 | 0.0           | NNE | 0.00        | 1.6         | NNE       | 20.9          | 22.1          | 22.1 | 754.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 1/10/08  | 00:00 | 20.6        | 20.9       | 20.5        | 94         | 19.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 20.6          | 21.8          | 21.8 | 753.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 1/09/08

| Date    | Time  | UV<br>Dose | Hi<br>UV | Heat<br>D-D | Cool<br>D-D | In<br>Temp | In<br>Hum | ET   | Wind<br>Samp | Wind<br>Tx | ISS<br>Receipt | Arc.<br>Int. |
|---------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 1/09/08 | 1:00  | 0.00       | 0.0      | 0.153       | 0.000       | 14.1       | 57        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 1/09/08 | 2:00  | 0.00       | 0.0      | 0.148       | 0.000       | 14.7       | 57        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 1/09/08 | 3:00  | 0.00       | 0.0      | 0.148       | 0.000       | 14.7       | 58        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 1/09/08 | 4:00  | 0.00       | 0.0      | 0.164       | 0.000       | 14.9       | 58        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 1/09/08 | 5:00  | 0.00       | 0.0      | 0.157       | 0.000       | 14.9       | 58        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 1/09/08 | 6:00  | 0.00       | 0.0      | 0.155       | 0.000       | 15.1       | 58        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 1/09/08 | 7:00  | 0.09       | 0.5      | 0.109       | 0.000       | 17.3       | 48        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 1/09/08 | 8:00  | 0.43       | 1.6      | 0.007       | 0.000       | 23.8       | 34        | 0.25 | 1368         | 1          | 100.0          | 60           |
| 1/09/08 | 9:00  | 1.03       | 3.2      | 0.000       | 0.095       | 29.3       | 30        | 0.38 | 1369         | 1          | 100.0          | 60           |
| 1/09/08 | 10:00 | 1.76       | 5.0      | 0.000       | 0.174       | 32.3       | 30        | 0.51 | 1368         | 1          | 100.0          | 60           |
| 1/09/08 | 11:00 | 1.89       | 4.7      | 0.000       | 0.201       | 34.8       | 23        | 0.46 | 1368         | 1          | 100.0          | 60           |
| 1/09/08 | 12:00 | 2.01       | 4.8      | 0.000       | 0.262       | 36.1       | 23        | 0.48 | 1368         | 1          | 100.0          | 60           |
| 1/09/08 | 13:00 | 1.80       | 4.6      | 0.000       | 0.317       | 36.8       | 23        | 0.46 | 1368         | 1          | 100.0          | 60           |
| 1/09/08 | 14:00 | 1.29       | 3.6      | 0.000       | 0.368       | 37.2       | 25        | 0.41 | 1368         | 1          | 100.0          | 60           |
| 1/09/08 | 15:00 | 0.73       | 2.3      | 0.000       | 0.405       | 37.4       | 25        | 0.36 | 1368         | 1          | 100.0          | 60           |
| 1/09/08 | 16:00 | 0.30       | 1.2      | 0.000       | 0.400       | 37.1       | 25        | 0.20 | 1368         | 1          | 100.0          | 60           |
| 1/09/08 | 17:00 | 0.04       | 0.4      | 0.000       | 0.352       | 35.4       | 29        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 1/09/08 | 18:00 | 0.00       | 0.0      | 0.000       | 0.248       | 28.1       | 39        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 1/09/08 | 19:00 | 0.00       | 0.0      | 0.000       | 0.130       | 22.3       | 43        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 1/09/08 | 20:00 | 0.00       | 0.0      | 0.000       | 0.069       | 19.5       | 46        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 1/09/08 | 21:00 | 0.00       | 0.0      | 0.102       | 0.000       | 17.4       | 41        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 1/09/08 | 22:00 | 0.00       | 0.0      | 0.144       | 0.000       | 16.8       | 41        | 0.00 | 1331         | 1          | 97.3           | 60           |
| 1/09/08 | 23:00 | 0.00       | 0.0      | 0.164       | 0.000       | 15.8       | 44        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 2/09/08 | 00:00 | 0.00       | 0.0      | 0.204       | 0.000       | 14.5       | 46        | 0.00 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 2/09/08

| Date    | Time  | UV<br>Dose | Hi<br>UV | Heat<br>D-D | Cool<br>D-D | In<br>Temp | In<br>Hum | ET   | Wind<br>Samp | Wind<br>Tx | ISS<br>Receipt | Arc.<br>Int. |
|---------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 2/09/08 | 1:00  | 0.00       | 0.0      | 0.252       | 0.000       | 12.9       | 49        | 0.00 | 1369         | 1          | 100.0          | 60           |
| 2/09/08 | 2:00  | 0.00       | 0.0      | 0.275       | 0.000       | 11.8       | 50        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 2/09/08 | 3:00  | 0.00       | 0.0      | 0.278       | 0.000       | 11.4       | 51        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 2/09/08 | 4:00  | 0.00       | 0.0      | 0.229       | 0.000       | 11.6       | 52        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 2/09/08 | 5:00  | 0.00       | 0.0      | 0.201       | 0.000       | 12.2       | 53        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 2/09/08 | 6:00  | 0.00       | 0.0      | 0.248       | 0.000       | 11.9       | 53        | 0.00 | 1367         | 1          | 99.9           | 60           |
| 2/09/08 | 7:00  | 0.09       | 0.4      | 0.229       | 0.000       | 13.7       | 47        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 2/09/08 | 8:00  | 0.39       | 1.3      | 0.005       | 0.000       | 21.9       | 36        | 0.18 | 1368         | 1          | 100.0          | 60           |
| 2/09/08 | 9:00  | 0.81       | 2.5      | 0.000       | 0.153       | 30.3       | 26        | 0.33 | 1368         | 1          | 100.0          | 60           |
| 2/09/08 | 10:00 | 1.37       | 3.8      | 0.000       | 0.271       | 35.0       | 23        | 0.46 | 1368         | 1          | 100.0          | 60           |
| 2/09/08 | 11:00 | 1.80       | 4.5      | 0.000       | 0.368       | 37.1       | 21        | 0.56 | 1368         | 1          | 100.0          | 60           |
| 2/09/08 | 12:00 | 1.89       | 4.6      | 0.000       | 0.456       | 38.8       | 20        | 0.58 | 1368         | 1          | 100.0          | 60           |
| 2/09/08 | 13:00 | 1.67       | 4.3      | 0.000       | 0.500       | 39.1       | 20        | 0.56 | 1368         | 1          | 100.0          | 60           |
| 2/09/08 | 14:00 | 1.20       | 3.5      | 0.000       | 0.525       | 39.6       | 21        | 0.48 | 1368         | 1          | 100.0          | 60           |
| 2/09/08 | 15:00 | 0.69       | 2.2      | 0.000       | 0.535       | 39.6       | 21        | 0.38 | 1368         | 1          | 100.0          | 60           |
| 2/09/08 | 16:00 | 0.30       | 1.1      | 0.000       | 0.528       | 39.3       | 21        | 0.23 | 1368         | 1          | 100.0          | 60           |
| 2/09/08 | 17:00 | 0.04       | 0.4      | 0.000       | 0.442       | 37.2       | 25        | 0.13 | 1368         | 1          | 100.0          | 60           |
| 2/09/08 | 18:00 | 0.00       | 0.0      | 0.000       | 0.373       | 31.4       | 29        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 2/09/08 | 19:00 | 0.00       | 0.0      | 0.000       | 0.345       | 29.3       | 31        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 2/09/08 | 20:00 | 0.00       | 0.0      | 0.000       | 0.160       | 26.0       | 33        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 2/09/08 | 21:00 | 0.00       | 0.0      | 0.000       | 0.097       | 23.3       | 36        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 2/09/08 | 22:00 | 0.00       | 0.0      | 0.000       | 0.046       | 21.3       | 40        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 2/09/08 | 23:00 | 0.00       | 0.0      | 0.000       | 0.039       | 20.1       | 44        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 3/09/08 | 00:00 | 0.00       | 0.0      | 0.000       | 0.053       | 19.7       | 46        | 0.05 | 1368         | 1          | 100.0          | 60           |



| Date    | Time  | UV<br>Dose | Hi<br>UV | Heat<br>D-D | Cool<br>D-D | In<br>Temp | In<br>Hum | ET   | Wind<br>Samp | Wind<br>Tx | ISS<br>Receipt | Arc.<br>Int. |
|---------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 3/09/08 | 1:00  | 0.00       | 0.0      | 0.000       | 0.014       | 18.9       | 49        | 0.03 | 1369         | 1          | 100.0          | 60           |
| 3/09/08 | 2:00  | 0.00       | 0.0      | 0.000       | 0.002       | 18.1       | 51        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 3/09/08 | 3:00  | 0.00       | 0.0      | 0.019       | 0.000       | 17.6       | 52        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 3/09/08 | 4:00  | 0.00       | 0.0      | 0.104       | 0.000       | 16.2       | 52        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 3/09/08 | 5:00  | 0.00       | 0.0      | 0.174       | 0.000       | 14.5       | 53        | 0.00 | 1307         | 1          | 95.5           | 60           |
| 3/09/08 | 6:00  | 0.00       | 0.0      | 0.130       | 0.000       | 13.9       | 54        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 3/09/08 | 7:00  | 0.09       | 0.4      | 0.109       | 0.000       | 16.7       | 44        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 3/09/08 | 8:00  | 0.30       | 1.1      | 0.000       | 0.060       | 23.8       | 36        | 0.15 | 1368         | 1          | 100.0          | 60           |
| 3/09/08 | 9:00  | 0.69       | 2.2      | 0.000       | 0.236       | 31.3       | 27        | 0.30 | 1368         | 1          | 100.0          | 60           |
| 3/09/08 | 10:00 | 1.20       | 3.3      | 0.000       | 0.338       | 36.3       | 25        | 0.43 | 1368         | 1          | 100.0          | 60           |
| 3/09/08 | 11:00 | 1.59       | 4.0      | 0.000       | 0.435       | 38.6       | 23        | 0.51 | 1368         | 1          | 100.0          | 60           |
| 3/09/08 | 12:00 | 1.71       | 4.1      | 0.000       | 0.542       | 40.3       | 22        | 0.56 | 1368         | 1          | 100.0          | 60           |
| 3/09/08 | 13:00 | 1.54       | 3.9      | 0.000       | 0.604       | 41.5       | 22        | 0.53 | 1368         | 1          | 100.0          | 60           |
| 3/09/08 | 14:00 | 1.16       | 3.2      | 0.000       | 0.637       | 41.6       | 22        | 0.46 | 1368         | 1          | 100.0          | 60           |
| 3/09/08 | 15:00 | 0.64       | 2.0      | 0.000       | 0.646       | 41.6       | 22        | 0.36 | 1368         | 1          | 100.0          | 60           |
| 3/09/08 | 16:00 | 0.26       | 1.0      | 0.000       | 0.620       | 41.1       | 21        | 0.23 | 1368         | 1          | 100.0          | 60           |
| 3/09/08 | 17:00 | 0.04       | 0.3      | 0.000       | 0.530       | 38.4       | 25        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 3/09/08 | 18:00 | 0.00       | 0.0      | 0.000       | 0.431       | 32.8       | 30        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 3/09/08 | 19:00 | 0.00       | 0.0      | 0.000       | 0.282       | 28.9       | 33        | 0.08 | 1367         | 1          | 99.9           | 60           |
| 3/09/08 | 20:00 | 0.00       | 0.0      | 0.000       | 0.229       | 26.5       | 36        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 3/09/08 | 21:00 | 0.00       | 0.0      | 0.000       | 0.178       | 25.1       | 38        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 3/09/08 | 22:00 | 0.00       | 0.0      | 0.000       | 0.079       | 22.5       | 41        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 3/09/08 | 23:00 | 0.00       | 0.0      | 0.000       | 0.109       | 21.6       | 45        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 4/09/08 | 00:00 | 0.00       | 0.0      | 0.000       | 0.109       | 21.4       | 48        | 0.05 | 1368         | 1          | 100.0          | 60           |

| Date    | Time  | UV<br>Dose | Hi<br>UV | Heat<br>D-D | Cool<br>D-D | In<br>Temp | In<br>Hum | ET   | Wind<br>Samp | Wind<br>Tx | ISS<br>Receipt | Arc.<br>Int. |
|---------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 4/09/08 | 1:00  | 0.00       | 0.0      | 0.000       | 0.102       | 21.2       | 50        | 0.05 | 1369         | 1          | 100.0          | 60           |
| 4/09/08 | 2:00  | 0.00       | 0.0      | 0.000       | 0.086       | 20.6       | 51        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 4/09/08 | 3:00  | 0.00       | 0.0      | 0.000       | 0.009       | 19.1       | 53        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 4/09/08 | 4:00  | 0.00       | 0.0      | 0.039       | 0.000       | 17.7       | 56        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 4/09/08 | 5:00  | 0.00       | 0.0      | 0.025       | 0.000       | 17.1       | 57        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 4/09/08 | 6:00  | 0.00       | 0.0      | 0.000       | 0.000       | 17.6       | 58        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 4/09/08 | 7:00  | 0.09       | 0.4      | 0.000       | 0.095       | 20.3       | 50        | 0.13 | 1368         | 1          | 100.0          | 60           |
| 4/09/08 | 8:00  | 0.30       | 1.1      | 0.000       | 0.243       | 27.9       | 34        | 0.25 | 1368         | 1          | 100.0          | 60           |
| 4/09/08 | 9:00  | 0.64       | 2.1      | 0.000       | 0.331       | 34.2       | 26        | 0.36 | 1368         | 1          | 100.0          | 60           |
| 4/09/08 | 10:00 | 0.81       | 2.5      | 0.000       | 0.391       | 37.1       | 26        | 0.33 | 1368         | 1          | 100.0          | 60           |
| 4/09/08 | 11:00 | 1.24       | 3.6      | 0.000       | 0.451       | 38.1       | 26        | 0.38 | 1368         | 1          | 100.0          | 60           |
| 4/09/08 | 12:00 | 1.54       | 3.8      | 0.000       | 0.565       | 41.5       | 24        | 0.48 | 1368         | 1          | 100.0          | 60           |
| 4/09/08 | 13:00 | 1.46       | 3.7      | 0.000       | 0.583       | 41.9       | 25        | 0.43 | 1368         | 1          | 100.0          | 60           |
| 4/09/08 | 14:00 | 0.99       | 2.9      | 0.000       | 0.648       | 42.2       | 25        | 0.41 | 1368         | 1          | 100.0          | 60           |
| 4/09/08 | 15:00 | 0.56       | 1.7      | 0.000       | 0.725       | 42.8       | 21        | 0.51 | 1368         | 1          | 100.0          | 60           |
| 4/09/08 | 16:00 | 0.21       | 0.9      | 0.000       | 0.706       | 42.4       | 22        | 0.20 | 1368         | 1          | 100.0          | 60           |
| 4/09/08 | 17:00 | 0.00       | 0.3      | 0.000       | 0.586       | 39.0       | 27        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 4/09/08 | 18:00 | 0.00       | 0.0      | 0.000       | 0.468       | 33.1       | 29        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 4/09/08 | 19:00 | 0.00       | 0.0      | 0.000       | 0.273       | 28.7       | 32        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 4/09/08 | 20:00 | 0.00       | 0.0      | 0.000       | 0.250       | 26.7       | 38        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 4/09/08 | 21:00 | 0.00       | 0.0      | 0.000       | 0.213       | 26.0       | 42        | 0.05 | 1307         | 1          | 95.5           | 60           |
| 4/09/08 | 22:00 | 0.00       | 0.0      | 0.000       | 0.157       | 24.1       | 48        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 4/09/08 | 23:00 | 0.00       | 0.0      | 0.000       | 0.095       | 22.6       | 53        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 5/09/08 | 00:00 | 0.00       | 0.0      | 0.002       | 0.000       | 20.3       | 57        | 0.03 | 1368         | 1          | 100.0          | 60           |

| Date    | Time  | UV<br>Dose | Hi<br>UV | Heat<br>D-D | Cool<br>D-D | In<br>Temp | In<br>Hum | ET   | Wind<br>Samp | Wind<br>Tx | ISS<br>Receipt | Arc.<br>Int. |
|---------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 5/09/08 | 1:00  | 0.00       | 0.0      | 0.056       | 0.000       | 18.5       | 60        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 5/09/08 | 2:00  | 0.00       | 0.0      | 0.067       | 0.000       | 17.8       | 62        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 5/09/08 | 3:00  | 0.00       | 0.0      | 0.106       | 0.000       | 16.9       | 63        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 5/09/08 | 4:00  | 0.00       | 0.0      | 0.125       | 0.000       | 15.9       | 66        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 5/09/08 | 5:00  | 0.00       | 0.0      | 0.113       | 0.000       | 16.1       | 68        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 5/09/08 | 6:00  | 0.00       | 0.0      | 0.109       | 0.000       | 16.2       | 69        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 5/09/08 | 7:00  | 0.00       | 0.0      | 0.111       | 0.000       | 16.3       | 68        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 5/09/08 | 8:00  | 0.13       | 0.5      | 0.104       | 0.000       | 17.9       | 57        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 5/09/08 | 9:00  | 0.21       | 0.6      | 0.086       | 0.000       | 20.2       | 55        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 5/09/08 | 10:00 | 0.34       | 1.1      | 0.079       | 0.000       | 20.8       | 49        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 5/09/08 | 11:00 | 1.03       | 3.7      | 0.019       | 0.000       | 27.0       | 32        | 0.25 | 1368         | 1          | 100.0          | 60           |
| 5/09/08 | 12:00 | 1.20       | 3.7      | 0.000       | 0.076       | 32.3       | 30        | 0.28 | 1368         | 1          | 100.0          | 60           |
| 5/09/08 | 13:00 | 1.20       | 3.5      | 0.000       | 0.157       | 34.3       | 28        | 0.36 | 1368         | 1          | 100.0          | 60           |
| 5/09/08 | 14:00 | 0.90       | 2.7      | 0.000       | 0.218       | 34.9       | 27        | 0.36 | 1368         | 1          | 100.0          | 60           |
| 5/09/08 | 15:00 | 0.47       | 1.6      | 0.000       | 0.213       | 33.4       | 26        | 0.28 | 1368         | 1          | 100.0          | 60           |
| 5/09/08 | 16:00 | 0.21       | 0.7      | 0.000       | 0.208       | 31.6       | 31        | 0.20 | 1368         | 1          | 100.0          | 60           |
| 5/09/08 | 17:00 | 0.00       | 0.3      | 0.000       | 0.032       | 26.0       | 35        | 0.13 | 1368         | 1          | 100.0          | 60           |
| 5/09/08 | 18:00 | 0.00       | 0.0      | 0.088       | 0.000       | 21.5       | 38        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 5/09/08 | 19:00 | 0.00       | 0.0      | 0.169       | 0.000       | 18.7       | 44        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 5/09/08 | 20:00 | 0.00       | 0.0      | 0.213       | 0.000       | 16.2       | 49        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 5/09/08 | 21:00 | 0.00       | 0.0      | 0.234       | 0.000       | 14.6       | 54        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 5/09/08 | 22:00 | 0.00       | 0.0      | 0.245       | 0.000       | 13.7       | 58        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 5/09/08 | 23:00 | 0.00       | 0.0      | 0.255       | 0.000       | 13.1       | 60        | 0.05 | 1367         | 1          | 99.9           | 60           |
| 6/09/08 | 00:00 | 0.00       | 0.0      | 0.255       | 0.000       | 12.9       | 61        | 0.03 | 1368         | 1          | 100.0          | 60           |

| Date    | Time  | UV<br>Dose | Hi<br>UV | Heat<br>D-D | Cool<br>D-D | In<br>Temp | In<br>Hum | ET   | Wind<br>Samp | Wind<br>Tx | ISS<br>Receipt | Arc.<br>Int. |
|---------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 6/09/08 | 1:00  | 0.00       | 0.0      | 0.292       | 0.000       | 12.2       | 65        | 0.03 | 1369         | 1          | 100.0          | 60           |
| 6/09/08 | 2:00  | 0.00       | 0.0      | 0.317       | 0.000       | 11.2       | 67        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 6/09/08 | 3:00  | 0.00       | 0.0      | 0.319       | 0.000       | 10.9       | 68        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 6/09/08 | 4:00  | 0.00       | 0.0      | 0.310       | 0.000       | 10.8       | 70        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 6/09/08 | 5:00  | 0.00       | 0.0      | 0.317       | 0.000       | 10.8       | 71        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 6/09/08 | 6:00  | 0.00       | 0.0      | 0.336       | 0.000       | 10.6       | 72        | 0.03 | 1330         | 1          | 97.2           | 60           |
| 6/09/08 | 7:00  | 0.00       | 0.0      | 0.340       | 0.000       | 10.4       | 72        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 6/09/08 | 8:00  | 0.00       | 0.0      | 0.343       | 0.000       | 11.0       | 70        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 6/09/08 | 9:00  | 0.34       | 1.8      | 0.350       | 0.000       | 12.9       | 52        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 6/09/08 | 10:00 | 1.16       | 4.0      | 0.285       | 0.000       | 21.2       | 30        | 0.25 | 1368         | 1          | 100.0          | 60           |
| 6/09/08 | 11:00 | 1.50       | 5.4      | 0.234       | 0.000       | 25.1       | 25        | 0.30 | 1368         | 1          | 100.0          | 60           |
| 6/09/08 | 12:00 | 1.11       | 5.8      | 0.225       | 0.000       | 25.1       | 27        | 0.23 | 1368         | 1          | 100.0          | 60           |
| 6/09/08 | 13:00 | 1.11       | 5.0      | 0.229       | 0.000       | 23.6       | 23        | 0.23 | 1368         | 1          | 100.0          | 60           |
| 6/09/08 | 14:00 | 0.94       | 3.4      | 0.211       | 0.000       | 25.0       | 22        | 0.23 | 1368         | 1          | 100.0          | 60           |
| 6/09/08 | 15:00 | 0.73       | 2.4      | 0.174       | 0.000       | 26.6       | 20        | 0.25 | 1368         | 1          | 100.0          | 60           |
| 6/09/08 | 16:00 | 0.26       | 0.9      | 0.190       | 0.000       | 24.0       | 30        | 0.13 | 1331         | 1          | 97.3           | 60           |
| 6/09/08 | 17:00 | 0.04       | 0.3      | 0.220       | 0.000       | 19.4       | 34        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 6/09/08 | 18:00 | 0.00       | 0.0      | 0.266       | 0.000       | 17.1       | 39        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 6/09/08 | 19:00 | 0.00       | 0.0      | 0.308       | 0.000       | 14.7       | 41        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 6/09/08 | 20:00 | 0.00       | 0.0      | 0.391       | 0.000       | 11.4       | 47        | 0.00 | 1367         | 1          | 99.9           | 60           |
| 6/09/08 | 21:00 | 0.00       | 0.0      | 0.456       | 0.000       | 8.4        | 53        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 6/09/08 | 22:00 | 0.00       | 0.0      | 0.479       | 0.000       | 7.1        | 57        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 6/09/08 | 23:00 | 0.00       | 0.0      | 0.505       | 0.000       | 6.1        | 60        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 7/09/08 | 00:00 | 0.00       | 0.0      | 0.544       | 0.000       | 5.2        | 63        | 0.00 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 7/09/08

| Date    | Time  | UV<br>Dose | Hi<br>UV | Heat<br>D-D | Cool<br>D-D | In<br>Temp | In<br>Hum | ET   | Wind<br>Samp | Wind<br>Tx | ISS<br>Receipt | Arc.<br>Int. |
|---------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 7/09/08 | 1:00  | 0.00       | 0.0      | 0.514       | 0.000       | 4.9        | 65        | 0.00 | 1369         | 1          | 100.0          | 60           |
| 7/09/08 | 2:00  | 0.00       | 0.0      | 0.537       | 0.000       | 4.8        | 66        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 7/09/08 | 3:00  | 0.00       | 0.0      | 0.472       | 0.000       | 5.5        | 68        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 7/09/08 | 4:00  | 0.00       | 0.0      | 0.530       | 0.000       | 5.1        | 69        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 7/09/08 | 5:00  | 0.00       | 0.0      | 0.583       | 0.000       | 4.0        | 69        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 7/09/08 | 6:00  | 0.00       | 0.0      | 0.623       | 0.000       | 2.9        | 69        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 7/09/08 | 7:00  | 0.17       | 0.6      | 0.528       | 0.000       | 6.5        | 58        | 0.05 | 1307         | 1          | 95.5           | 60           |
| 7/09/08 | 8:00  | 0.43       | 1.5      | 0.407       | 0.000       | 14.2       | 40        | 0.18 | 1368         | 1          | 100.0          | 60           |
| 7/09/08 | 9:00  | 0.94       | 2.8      | 0.308       | 0.000       | 21.2       | 26        | 0.25 | 1368         | 1          | 100.0          | 60           |
| 7/09/08 | 10:00 | 1.50       | 4.1      | 0.250       | 0.000       | 26.3       | 20        | 0.33 | 1368         | 1          | 100.0          | 60           |
| 7/09/08 | 11:00 | 1.97       | 4.9      | 0.192       | 0.000       | 28.3       | 19        | 0.38 | 1367         | 1          | 99.9           | 60           |
| 7/09/08 | 12:00 | 2.14       | 5.1      | 0.111       | 0.000       | 29.7       | 18        | 0.41 | 1368         | 1          | 100.0          | 60           |
| 7/09/08 | 13:00 | 1.93       | 4.9      | 0.044       | 0.000       | 30.5       | 18        | 0.41 | 1368         | 1          | 100.0          | 60           |
| 7/09/08 | 14:00 | 1.41       | 4.0      | 0.000       | 0.002       | 31.2       | 17        | 0.38 | 1368         | 1          | 100.0          | 60           |
| 7/09/08 | 15:00 | 0.81       | 2.6      | 0.000       | 0.025       | 31.3       | 16        | 0.36 | 1368         | 1          | 100.0          | 60           |
| 7/09/08 | 16:00 | 0.34       | 1.3      | 0.000       | 0.039       | 31.2       | 15        | 0.23 | 1368         | 1          | 100.0          | 60           |
| 7/09/08 | 17:00 | 0.09       | 0.4      | 0.000       | 0.025       | 29.7       | 20        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 7/09/08 | 18:00 | 0.00       | 0.0      | 0.083       | 0.000       | 22.6       | 26        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 7/09/08 | 19:00 | 0.00       | 0.0      | 0.201       | 0.000       | 17.6       | 28        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 7/09/08 | 20:00 | 0.00       | 0.0      | 0.245       | 0.000       | 15.4       | 30        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 7/09/08 | 21:00 | 0.00       | 0.0      | 0.296       | 0.000       | 13.6       | 34        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 7/09/08 | 22:00 | 0.00       | 0.0      | 0.343       | 0.000       | 11.4       | 37        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 7/09/08 | 23:00 | 0.00       | 0.0      | 0.324       | 0.000       | 10.4       | 39        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 8/09/08 | 00:00 | 0.00       | 0.0      | 0.366       | 0.000       | 9.5        | 41        | 0.00 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 8/09/08

| Date    | Time  | UV<br>Dose | Hi<br>UV | Heat<br>D-D | Cool<br>D-D | In<br>Temp | In<br>Hum | ET   | Wind<br>Samp | Wind<br>Tx | ISS<br>Receipt | Arc.<br>Int. |
|---------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 8/09/08 | 1:00  | 0.00       | 0.0      | 0.403       | 0.000       | 8.5        | 44        | 0.00 | 1369         | 1          | 100.0          | 60           |
| 8/09/08 | 2:00  | 0.00       | 0.0      | 0.400       | 0.000       | 8.0        | 45        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 8/09/08 | 3:00  | 0.00       | 0.0      | 0.407       | 0.000       | 7.9        | 46        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 8/09/08 | 4:00  | 0.00       | 0.0      | 0.382       | 0.000       | 8.5        | 47        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 8/09/08 | 5:00  | 0.00       | 0.0      | 0.350       | 0.000       | 9.4        | 50        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 8/09/08 | 6:00  | 0.00       | 0.0      | 0.329       | 0.000       | 10.1       | 52        | 0.00 | 1367         | 1          | 99.9           | 60           |
| 8/09/08 | 7:00  | 0.13       | 0.6      | 0.257       | 0.000       | 14.2       | 43        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 8/09/08 | 8:00  | 0.39       | 1.4      | 0.155       | 0.000       | 21.3       | 34        | 0.18 | 1368         | 1          | 100.0          | 60           |
| 8/09/08 | 9:00  | 0.86       | 2.8      | 0.065       | 0.000       | 26.5       | 24        | 0.25 | 1368         | 1          | 100.0          | 60           |
| 8/09/08 | 10:00 | 1.46       | 4.0      | 0.000       | 0.076       | 32.4       | 23        | 0.36 | 1368         | 1          | 100.0          | 60           |
| 8/09/08 | 11:00 | 1.89       | 4.7      | 0.000       | 0.183       | 35.4       | 20        | 0.43 | 1368         | 1          | 100.0          | 60           |
| 8/09/08 | 12:00 | 2.01       | 4.7      | 0.000       | 0.243       | 36.2       | 19        | 0.43 | 1368         | 1          | 100.0          | 60           |
| 8/09/08 | 13:00 | 1.76       | 4.5      | 0.000       | 0.292       | 37.1       | 17        | 0.43 | 1368         | 1          | 100.0          | 60           |
| 8/09/08 | 14:00 | 1.29       | 3.6      | 0.000       | 0.338       | 37.4       | 18        | 0.38 | 1368         | 1          | 100.0          | 60           |
| 8/09/08 | 15:00 | 0.69       | 2.3      | 0.000       | 0.352       | 37.3       | 18        | 0.28 | 1368         | 1          | 100.0          | 60           |
| 8/09/08 | 16:00 | 0.26       | 1.0      | 0.000       | 0.352       | 36.4       | 21        | 0.15 | 1368         | 1          | 100.0          | 60           |
| 8/09/08 | 17:00 | 0.04       | 0.3      | 0.000       | 0.306       | 32.7       | 25        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 8/09/08 | 18:00 | 0.00       | 0.0      | 0.000       | 0.204       | 28.1       | 28        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 8/09/08 | 19:00 | 0.00       | 0.0      | 0.000       | 0.150       | 25.5       | 31        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 8/09/08 | 20:00 | 0.00       | 0.0      | 0.000       | 0.028       | 22.8       | 33        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 8/09/08 | 21:00 | 0.00       | 0.0      | 0.037       | 0.000       | 20.2       | 36        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 8/09/08 | 22:00 | 0.00       | 0.0      | 0.053       | 0.000       | 18.3       | 40        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 8/09/08 | 23:00 | 0.00       | 0.0      | 0.095       | 0.000       | 16.7       | 41        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 9/09/08 | 00:00 | 0.00       | 0.0      | 0.132       | 0.000       | 15.6       | 43        | 0.00 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 9/09/08

| Date     | Time  | UV<br>Dose | Hi<br>UV | Heat<br>D-D | Cool<br>D-D | In<br>Temp | In<br>Hum | ET   | Wind<br>Samp | Wind<br>Tx | ISS<br>Receipt | Arc.<br>Int. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 9/09/08  | 1:00  | 0.00       | 0.0      | 0.134       | 0.000       | 14.9       | 45        | 0.00 | 1369         | 1          | 100.0          | 60           |
| 9/09/08  | 2:00  | 0.00       | 0.0      | 0.181       | 0.000       | 14.2       | 46        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 9/09/08  | 3:00  | 0.00       | 0.0      | 0.197       | 0.000       | 13.4       | 47        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 9/09/08  | 4:00  | 0.00       | 0.0      | 0.197       | 0.000       | 13.2       | 49        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 9/09/08  | 5:00  | 0.00       | 0.0      | 0.197       | 0.000       | 12.8       | 50        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 9/09/08  | 6:00  | 0.00       | 0.0      | 0.183       | 0.000       | 13.0       | 50        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 9/09/08  | 7:00  | 0.09       | 0.5      | 0.120       | 0.000       | 16.3       | 43        | 0.05 | 1367         | 1          | 99.9           | 60           |
| 9/09/08  | 8:00  | 0.34       | 1.2      | 0.000       | 0.046       | 24.1       | 37        | 0.18 | 1368         | 1          | 100.0          | 60           |
| 9/09/08  | 9:00  | 0.77       | 2.3      | 0.000       | 0.160       | 30.2       | 29        | 0.30 | 1368         | 1          | 100.0          | 60           |
| 9/09/08  | 10:00 | 1.24       | 3.4      | 0.000       | 0.238       | 34.7       | 27        | 0.38 | 1368         | 1          | 100.0          | 60           |
| 9/09/08  | 11:00 | 1.59       | 3.9      | 0.000       | 0.299       | 36.6       | 25        | 0.46 | 1368         | 1          | 100.0          | 60           |
| 9/09/08  | 12:00 | 1.67       | 4.0      | 0.000       | 0.359       | 37.8       | 25        | 0.46 | 1368         | 1          | 100.0          | 60           |
| 9/09/08  | 13:00 | 1.46       | 3.8      | 0.000       | 0.410       | 38.7       | 26        | 0.43 | 1368         | 1          | 100.0          | 60           |
| 9/09/08  | 14:00 | 1.03       | 3.1      | 0.000       | 0.456       | 39.4       | 26        | 0.33 | 1368         | 1          | 100.0          | 60           |
| 9/09/08  | 15:00 | 0.60       | 1.9      | 0.000       | 0.488       | 39.6       | 26        | 0.28 | 1368         | 1          | 100.0          | 60           |
| 9/09/08  | 16:00 | 0.26       | 1.0      | 0.000       | 0.495       | 39.3       | 26        | 0.18 | 1368         | 1          | 100.0          | 60           |
| 9/09/08  | 17:00 | 0.04       | 0.3      | 0.000       | 0.475       | 37.4       | 31        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 9/09/08  | 18:00 | 0.00       | 0.0      | 0.000       | 0.375       | 31.9       | 35        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 9/09/08  | 19:00 | 0.00       | 0.0      | 0.000       | 0.245       | 28.2       | 37        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 9/09/08  | 20:00 | 0.00       | 0.0      | 0.000       | 0.155       | 25.5       | 39        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 9/09/08  | 21:00 | 0.00       | 0.0      | 0.000       | 0.090       | 23.2       | 42        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 9/09/08  | 22:00 | 0.00       | 0.0      | 0.000       | 0.046       | 21.3       | 45        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 9/09/08  | 23:00 | 0.00       | 0.0      | 0.000       | 0.014       | 19.7       | 48        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 10/09/08 | 00:00 | 0.00       | 0.0      | 0.019       | 0.000       | 18.6       | 50        | 0.00 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 10/09/08

| Date     | Time  | UV<br>Dose | Hi<br>UV | Heat<br>D-D | Cool<br>D-D | In<br>Temp | In<br>Hum | ET   | Wind<br>Samp | Wind<br>Tx | ISS<br>Receipt | Arc.<br>Int. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 10/09/08 | 1:00  | 0.00       | 0.0      | 0.037       | 0.000       | 17.6       | 52        | 0.00 | 1369         | 1          | 100.0          | 60           |
| 10/09/08 | 2:00  | 0.00       | 0.0      | 0.074       | 0.000       | 16.8       | 53        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 10/09/08 | 3:00  | 0.00       | 0.0      | 0.088       | 0.000       | 16.1       | 54        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 10/09/08 | 4:00  | 0.00       | 0.0      | 0.095       | 0.000       | 15.8       | 55        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 10/09/08 | 5:00  | 0.00       | 0.0      | 0.093       | 0.000       | 15.5       | 55        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 10/09/08 | 6:00  | 0.00       | 0.0      | 0.063       | 0.000       | 15.8       | 55        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 10/09/08 | 7:00  | 0.09       | 0.5      | 0.032       | 0.000       | 18.7       | 47        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 10/09/08 | 8:00  | 0.34       | 1.2      | 0.000       | 0.127       | 26.1       | 40        | 0.18 | 1368         | 1          | 100.0          | 60           |
| 10/09/08 | 9:00  | 0.73       | 2.3      | 0.000       | 0.229       | 32.4       | 30        | 0.30 | 1368         | 1          | 100.0          | 60           |
| 10/09/08 | 10:00 | 1.20       | 3.3      | 0.000       | 0.306       | 36.1       | 28        | 0.41 | 1368         | 1          | 100.0          | 60           |
| 10/09/08 | 11:00 | 1.59       | 4.0      | 0.000       | 0.363       | 37.6       | 27        | 0.46 | 1368         | 1          | 100.0          | 60           |
| 10/09/08 | 12:00 | 1.71       | 4.0      | 0.000       | 0.440       | 39.0       | 26        | 0.48 | 1368         | 1          | 100.0          | 60           |
| 10/09/08 | 13:00 | 1.54       | 3.9      | 0.000       | 0.509       | 40.1       | 25        | 0.53 | 1368         | 1          | 100.0          | 60           |
| 10/09/08 | 14:00 | 1.11       | 3.1      | 0.000       | 0.523       | 40.2       | 25        | 0.46 | 1368         | 1          | 100.0          | 60           |
| 10/09/08 | 15:00 | 0.60       | 2.0      | 0.000       | 0.558       | 40.4       | 26        | 0.33 | 1367         | 1          | 99.9           | 60           |
| 10/09/08 | 16:00 | 0.26       | 1.0      | 0.000       | 0.576       | 40.6       | 26        | 0.20 | 1368         | 1          | 100.0          | 60           |
| 10/09/08 | 17:00 | 0.04       | 0.3      | 0.000       | 0.542       | 38.8       | 30        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 10/09/08 | 18:00 | 0.00       | 0.0      | 0.000       | 0.472       | 33.8       | 34        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 10/09/08 | 19:00 | 0.00       | 0.0      | 0.000       | 0.331       | 30.6       | 35        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 10/09/08 | 20:00 | 0.00       | 0.0      | 0.000       | 0.181       | 26.3       | 39        | 0.03 | 1307         | 1          | 95.5           | 60           |
| 10/09/08 | 21:00 | 0.00       | 0.0      | 0.000       | 0.169       | 24.3       | 47        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 10/09/08 | 22:00 | 0.00       | 0.0      | 0.000       | 0.157       | 23.5       | 50        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 10/09/08 | 23:00 | 0.00       | 0.0      | 0.000       | 0.104       | 21.7       | 54        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 11/09/08 | 00:00 | 0.00       | 0.0      | 0.000       | 0.072       | 20.6       | 56        | 0.03 | 1368         | 1          | 100.0          | 60           |



## Ivinhema 11/09/08

| Date     | Time  | UV<br>Dose | Hi<br>UV | Heat<br>D-D | Cool<br>D-D | In<br>Temp | In<br>Hum | ET   | Wind<br>Samp | Wind<br>Tx | ISS<br>Receipt | Arc.<br>Int. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 11/09/08 | 1:00  | 0.00       | 0.0      | 0.000       | 0.060       | 19.8       | 57        | 0.03 | 1369         | 1          | 100.0          | 60           |
| 11/09/08 | 2:00  | 0.00       | 0.0      | 0.000       | 0.081       | 19.9       | 60        | 0.03 | 1330         | 1          | 97.2           | 60           |
| 11/09/08 | 3:00  | 0.00       | 0.0      | 0.000       | 0.095       | 20.1       | 61        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 11/09/08 | 4:00  | 0.00       | 0.0      | 0.000       | 0.067       | 19.7       | 63        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 11/09/08 | 5:00  | 0.00       | 0.0      | 0.000       | 0.079       | 19.6       | 63        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 11/09/08 | 6:00  | 0.00       | 0.0      | 0.000       | 0.102       | 19.9       | 63        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 11/09/08 | 7:00  | 0.04       | 0.4      | 0.000       | 0.162       | 22.1       | 56        | 0.08 | 1307         | 1          | 95.5           | 60           |
| 11/09/08 | 8:00  | 0.30       | 1.0      | 0.000       | 0.243       | 27.2       | 40        | 0.20 | 1368         | 1          | 100.0          | 60           |
| 11/09/08 | 9:00  | 0.73       | 2.3      | 0.000       | 0.336       | 33.9       | 30        | 0.36 | 1368         | 1          | 100.0          | 60           |
| 11/09/08 | 10:00 | 1.16       | 3.4      | 0.000       | 0.505       | 38.6       | 25        | 0.48 | 1368         | 1          | 100.0          | 60           |
| 11/09/08 | 11:00 | 1.59       | 4.0      | 0.000       | 0.713       | 42.4       | 19        | 0.74 | 1368         | 1          | 100.0          | 60           |
| 11/09/08 | 12:00 | 1.63       | 4.1      | 0.000       | 0.799       | 44.5       | 17        | 0.74 | 1368         | 1          | 100.0          | 60           |
| 11/09/08 | 13:00 | 1.41       | 3.8      | 0.000       | 0.840       | 45.2       | 16        | 0.71 | 1368         | 1          | 100.0          | 60           |
| 11/09/08 | 14:00 | 0.69       | 3.0      | 0.000       | 0.803       | 44.4       | 17        | 0.41 | 1368         | 1          | 100.0          | 60           |
| 11/09/08 | 15:00 | 0.43       | 1.6      | 0.000       | 0.775       | 43.7       | 18        | 0.33 | 1368         | 1          | 100.0          | 60           |
| 11/09/08 | 16:00 | 0.13       | 0.5      | 0.000       | 0.676       | 40.8       | 19        | 0.23 | 1368         | 1          | 100.0          | 60           |
| 11/09/08 | 17:00 | 0.00       | 0.0      | 0.000       | 0.611       | 37.4       | 22        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 11/09/08 | 18:00 | 0.00       | 0.0      | 0.000       | 0.477       | 32.4       | 31        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 11/09/08 | 19:00 | 0.00       | 0.0      | 0.000       | 0.262       | 28.1       | 37        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 11/09/08 | 20:00 | 0.00       | 0.0      | 0.000       | 0.229       | 25.9       | 42        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 11/09/08 | 21:00 | 0.00       | 0.0      | 0.000       | 0.139       | 23.6       | 47        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 11/09/08 | 22:00 | 0.00       | 0.0      | 0.000       | 0.081       | 21.7       | 50        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 11/09/08 | 23:00 | 0.00       | 0.0      | 0.000       | 0.090       | 21.1       | 52        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 12/09/08 | 00:00 | 0.00       | 0.0      | 0.000       | 0.139       | 21.5       | 56        | 0.05 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 12/09/08

| Date     | Time  | UV<br>Dose | Hi<br>UV | Heat<br>D-D | Cool<br>D-D | In<br>Temp | In<br>Hum | ET   | Wind<br>Samp | Wind<br>Tx | ISS<br>Receipt | Arc.<br>Int. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 12/09/08 | 1:00  | 0.00       | 0.0      | 0.000       | 0.134       | 21.9       | 61        | 0.05 | 1369         | 1          | 100.0          | 60           |
| 12/09/08 | 2:00  | 0.00       | 0.0      | 0.000       | 0.104       | 21.3       | 65        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 12/09/08 | 3:00  | 0.00       | 0.0      | 0.000       | 0.076       | 20.4       | 66        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 12/09/08 | 4:00  | 0.00       | 0.0      | 0.000       | 0.028       | 19.3       | 67        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 12/09/08 | 5:00  | 0.00       | 0.0      | 0.000       | 0.042       | 19.2       | 69        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 12/09/08 | 6:00  | 0.00       | 0.0      | 0.000       | 0.065       | 19.1       | 69        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 12/09/08 | 7:00  | 0.04       | 0.4      | 0.000       | 0.081       | 20.5       | 60        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 12/09/08 | 8:00  | 0.17       | 0.8      | 0.000       | 0.139       | 23.9       | 54        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 12/09/08 | 9:00  | 0.43       | 1.7      | 0.000       | 0.181       | 28.1       | 41        | 0.00 | 1330         | 1          | 97.2           | 60           |
| 12/09/08 | 10:00 | 0.13       | 1.1      | 0.000       | 0.185       | 28.4       | 55        | 0.25 | 1368         | 1          | 100.0          | 60           |
| 12/09/08 | 11:00 | 0.00       | 0.0      | 0.000       | 0.093       | 22.6       | 63        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 12/09/08 | 12:00 | 0.34       | 1.6      | 0.000       | 0.076       | 22.8       | 48        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 12/09/08 | 13:00 | 0.56       | 1.8      | 0.000       | 0.139       | 27.9       | 44        | 0.13 | 1368         | 1          | 100.0          | 60           |
| 12/09/08 | 14:00 | 0.64       | 2.3      | 0.000       | 0.194       | 30.6       | 39        | 0.18 | 1368         | 1          | 100.0          | 60           |
| 12/09/08 | 15:00 | 0.56       | 2.0      | 0.000       | 0.273       | 34.4       | 36        | 0.23 | 1368         | 1          | 100.0          | 60           |
| 12/09/08 | 16:00 | 0.21       | 0.9      | 0.000       | 0.248       | 32.9       | 43        | 0.15 | 1368         | 1          | 100.0          | 60           |
| 12/09/08 | 17:00 | 0.00       | 0.0      | 0.000       | 0.178       | 27.7       | 51        | 0.05 | 1330         | 1          | 97.2           | 60           |
| 12/09/08 | 18:00 | 0.00       | 0.0      | 0.000       | 0.137       | 24.7       | 58        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 12/09/08 | 19:00 | 0.00       | 0.0      | 0.000       | 0.113       | 22.6       | 64        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 12/09/08 | 20:00 | 0.00       | 0.0      | 0.000       | 0.067       | 20.8       | 72        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 12/09/08 | 21:00 | 0.00       | 0.0      | 0.000       | 0.035       | 19.7       | 76        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 12/09/08 | 22:00 | 0.00       | 0.0      | 0.000       | 0.021       | 19.1       | 77        | 0.00 | 1331         | 1          | 97.3           | 60           |
| 12/09/08 | 23:00 | 0.00       | 0.0      | 0.000       | 0.009       | 18.7       | 78        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 13/09/08 | 00:00 | 0.00       | 0.0      | 0.007       | 0.000       | 18.3       | 81        | 0.00 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 13/09/08

| Date     | Time  | UV<br>Dose | Hi<br>UV | Heat<br>D-D | Cool<br>D-D | In<br>Temp | In<br>Hum | ET   | Wind<br>Samp | Wind<br>Tx | ISS<br>Receipt | Arc.<br>Int. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 13/09/08 | 1:00  | 0.00       | 0.0      | 0.051       | 0.000       | 17.3       | 83        | 0.00 | 1369         | 1          | 100.0          | 60           |
| 13/09/08 | 2:00  | 0.00       | 0.0      | 0.069       | 0.000       | 16.6       | 84        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 13/09/08 | 3:00  | 0.00       | 0.0      | 0.072       | 0.000       | 16.4       | 85        | 0.00 | 1331         | 1          | 97.3           | 60           |
| 13/09/08 | 4:00  | 0.00       | 0.0      | 0.079       | 0.000       | 16.3       | 85        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 13/09/08 | 5:00  | 0.00       | 0.0      | 0.090       | 0.000       | 16.2       | 85        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 13/09/08 | 6:00  | 0.00       | 0.0      | 0.106       | 0.000       | 15.8       | 85        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 13/09/08 | 7:00  | 0.09       | 0.6      | 0.106       | 0.000       | 17.1       | 68        | 0.08 | 1367         | 1          | 99.9           | 60           |
| 13/09/08 | 8:00  | 0.34       | 1.0      | 0.067       | 0.000       | 22.5       | 51        | 0.15 | 1368         | 1          | 100.0          | 60           |
| 13/09/08 | 9:00  | 0.69       | 2.7      | 0.028       | 0.000       | 25.9       | 41        | 0.20 | 1368         | 1          | 100.0          | 60           |
| 13/09/08 | 10:00 | 0.51       | 2.3      | 0.000       | 0.000       | 26.5       | 48        | 0.13 | 1368         | 1          | 100.0          | 60           |
| 13/09/08 | 11:00 | 0.86       | 3.9      | 0.000       | 0.028       | 25.8       | 38        | 0.18 | 1368         | 1          | 100.0          | 60           |
| 13/09/08 | 12:00 | 0.77       | 3.4      | 0.000       | 0.065       | 29.3       | 44        | 0.15 | 1368         | 1          | 100.0          | 60           |
| 13/09/08 | 13:00 | 0.60       | 2.2      | 0.000       | 0.076       | 27.3       | 42        | 0.15 | 1331         | 1          | 97.3           | 60           |
| 13/09/08 | 14:00 | 0.39       | 1.6      | 0.000       | 0.060       | 26.3       | 46        | 0.13 | 1368         | 1          | 100.0          | 60           |
| 13/09/08 | 15:00 | 0.34       | 1.2      | 0.000       | 0.005       | 24.8       | 44        | 0.15 | 1368         | 1          | 100.0          | 60           |
| 13/09/08 | 16:00 | 0.04       | 0.4      | 0.053       | 0.000       | 21.6       | 56        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 13/09/08 | 17:00 | 0.00       | 0.0      | 0.109       | 0.000       | 17.6       | 68        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 13/09/08 | 18:00 | 0.00       | 0.0      | 0.134       | 0.000       | 15.4       | 73        | 0.00 | 1331         | 1          | 97.3           | 60           |
| 13/09/08 | 19:00 | 0.00       | 0.0      | 0.141       | 0.000       | 14.7       | 74        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 13/09/08 | 20:00 | 0.00       | 0.0      | 0.141       | 0.000       | 14.6       | 75        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 13/09/08 | 21:00 | 0.00       | 0.0      | 0.146       | 0.000       | 14.4       | 76        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 13/09/08 | 22:00 | 0.00       | 0.0      | 0.176       | 0.000       | 13.8       | 76        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 13/09/08 | 23:00 | 0.00       | 0.0      | 0.194       | 0.000       | 13.2       | 77        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 14/09/08 | 00:00 | 0.00       | 0.0      | 0.225       | 0.000       | 12.2       | 79        | 0.00 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 14/09/08

| Date     | Time  | UV<br>Dose | Hi<br>UV | Heat<br>D-D | Cool<br>D-D | In<br>Temp | In<br>Hum | ET   | Wind<br>Samp | Wind<br>Tx | ISS<br>Receipt | Arc.<br>Int. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 14/09/08 | 1:00  | 0.00       | 0.0      | 0.271       | 0.000       | 11.3       | 79        | 0.00 | 1369         | 1          | 100.0          | 60           |
| 14/09/08 | 2:00  | 0.00       | 0.0      | 0.303       | 0.000       | 10.4       | 79        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 14/09/08 | 3:00  | 0.00       | 0.0      | 0.322       | 0.000       | 9.8        | 80        | 0.00 | 1367         | 1          | 99.9           | 60           |
| 14/09/08 | 4:00  | 0.00       | 0.0      | 0.336       | 0.000       | 9.4        | 81        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 14/09/08 | 5:00  | 0.00       | 0.0      | 0.333       | 0.000       | 9.4        | 82        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 14/09/08 | 6:00  | 0.00       | 0.0      | 0.333       | 0.000       | 9.4        | 82        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 14/09/08 | 7:00  | 0.17       | 0.7      | 0.264       | 0.000       | 12.9       | 68        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 14/09/08 | 8:00  | 0.47       | 1.6      | 0.183       | 0.000       | 19.4       | 48        | 0.20 | 1368         | 1          | 100.0          | 60           |
| 14/09/08 | 9:00  | 0.99       | 3.0      | 0.102       | 0.000       | 25.7       | 31        | 0.30 | 1368         | 1          | 100.0          | 60           |
| 14/09/08 | 10:00 | 1.59       | 4.4      | 0.007       | 0.000       | 30.6       | 28        | 0.38 | 1368         | 1          | 100.0          | 60           |
| 14/09/08 | 11:00 | 2.10       | 5.2      | 0.000       | 0.069       | 32.6       | 26        | 0.46 | 1368         | 1          | 100.0          | 60           |
| 14/09/08 | 12:00 | 2.23       | 5.3      | 0.000       | 0.146       | 33.8       | 23        | 0.51 | 1368         | 1          | 100.0          | 60           |
| 14/09/08 | 13:00 | 1.97       | 5.1      | 0.000       | 0.176       | 34.1       | 22        | 0.51 | 1368         | 1          | 100.0          | 60           |
| 14/09/08 | 14:00 | 1.46       | 4.1      | 0.000       | 0.204       | 34.2       | 21        | 0.48 | 1368         | 1          | 100.0          | 60           |
| 14/09/08 | 15:00 | 0.81       | 2.6      | 0.000       | 0.225       | 34.4       | 20        | 0.38 | 1368         | 1          | 100.0          | 60           |
| 14/09/08 | 16:00 | 0.34       | 1.3      | 0.000       | 0.234       | 34.3       | 19        | 0.25 | 1368         | 1          | 100.0          | 60           |
| 14/09/08 | 17:00 | 0.09       | 0.5      | 0.000       | 0.208       | 32.9       | 24        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 14/09/08 | 18:00 | 0.00       | 0.0      | 0.000       | 0.042       | 25.2       | 33        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 14/09/08 | 19:00 | 0.00       | 0.0      | 0.106       | 0.000       | 19.2       | 37        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 14/09/08 | 20:00 | 0.00       | 0.0      | 0.155       | 0.000       | 16.6       | 40        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 14/09/08 | 21:00 | 0.00       | 0.0      | 0.167       | 0.000       | 15.0       | 43        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 14/09/08 | 22:00 | 0.00       | 0.0      | 0.164       | 0.000       | 14.3       | 47        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 14/09/08 | 23:00 | 0.00       | 0.0      | 0.197       | 0.000       | 13.9       | 50        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 15/09/08 | 00:00 | 0.00       | 0.0      | 0.215       | 0.000       | 13.3       | 52        | 0.03 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 15/09/08

| Date     | Time  | UV<br>Dose | Hi<br>UV | Heat<br>D-D | Cool<br>D-D | In<br>Temp | In<br>Hum | ET   | Wind<br>Samp | Wind<br>Tx | ISS<br>Receipt | Arc.<br>Int. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 15/09/08 | 1:00  | 0.00       | 0.0      | 0.225       | 0.000       | 12.7       | 55        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 15/09/08 | 2:00  | 0.00       | 0.0      | 0.252       | 0.000       | 12.0       | 57        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 15/09/08 | 3:00  | 0.00       | 0.0      | 0.278       | 0.000       | 11.2       | 58        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 15/09/08 | 4:00  | 0.00       | 0.0      | 0.269       | 0.000       | 11.2       | 59        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 15/09/08 | 5:00  | 0.00       | 0.0      | 0.257       | 0.000       | 11.6       | 61        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 15/09/08 | 6:00  | 0.00       | 0.0      | 0.248       | 0.000       | 12.0       | 63        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 15/09/08 | 7:00  | 0.09       | 0.5      | 0.201       | 0.000       | 13.7       | 56        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 15/09/08 | 8:00  | 0.43       | 1.5      | 0.123       | 0.000       | 19.7       | 38        | 0.18 | 1368         | 1          | 100.0          | 60           |
| 15/09/08 | 9:00  | 0.73       | 2.1      | 0.044       | 0.000       | 25.4       | 32        | 0.20 | 1368         | 1          | 100.0          | 60           |
| 15/09/08 | 10:00 | 1.46       | 4.7      | 0.000       | 0.023       | 29.4       | 26        | 0.30 | 1368         | 1          | 100.0          | 60           |
| 15/09/08 | 11:00 | 2.10       | 5.7      | 0.000       | 0.141       | 33.7       | 24        | 0.43 | 1368         | 1          | 100.0          | 60           |
| 15/09/08 | 12:00 | 2.19       | 5.8      | 0.000       | 0.220       | 35.4       | 21        | 0.46 | 1368         | 1          | 100.0          | 60           |
| 15/09/08 | 13:00 | 1.97       | 5.1      | 0.000       | 0.266       | 36.0       | 20        | 0.46 | 1368         | 1          | 100.0          | 60           |
| 15/09/08 | 14:00 | 1.46       | 4.1      | 0.000       | 0.289       | 35.9       | 19        | 0.43 | 1368         | 1          | 100.0          | 60           |
| 15/09/08 | 15:00 | 0.81       | 2.6      | 0.000       | 0.296       | 36.0       | 18        | 0.36 | 1368         | 1          | 100.0          | 60           |
| 15/09/08 | 16:00 | 0.34       | 1.3      | 0.000       | 0.278       | 35.5       | 18        | 0.25 | 1368         | 1          | 100.0          | 60           |
| 15/09/08 | 17:00 | 0.09       | 0.4      | 0.000       | 0.225       | 33.2       | 23        | 0.13 | 1368         | 1          | 100.0          | 60           |
| 15/09/08 | 18:00 | 0.00       | 0.0      | 0.000       | 0.093       | 26.5       | 28        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 15/09/08 | 19:00 | 0.00       | 0.0      | 0.030       | 0.000       | 22.0       | 32        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 15/09/08 | 20:00 | 0.00       | 0.0      | 0.118       | 0.000       | 18.4       | 36        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 15/09/08 | 21:00 | 0.00       | 0.0      | 0.130       | 0.000       | 16.2       | 41        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 15/09/08 | 22:00 | 0.00       | 0.0      | 0.157       | 0.000       | 15.1       | 44        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 15/09/08 | 23:00 | 0.00       | 0.0      | 0.227       | 0.000       | 13.3       | 47        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 16/09/08 | 00:00 | 0.00       | 0.0      | 0.262       | 0.000       | 11.7       | 49        | 0.03 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 16/09/08

| Date     | Time  | UV<br>Dose | Hi<br>UV | Heat<br>D-D | Cool<br>D-D | In<br>Temp | In<br>Hum | ET   | Wind<br>Samp | Wind<br>Tx | ISS<br>Receipt | Arc.<br>Int. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 16/09/08 | 1:00  | 0.00       | 0.0      | 0.248       | 0.000       | 10.8       | 49        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 16/09/08 | 2:00  | 0.00       | 0.0      | 0.264       | 0.000       | 10.2       | 50        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 16/09/08 | 3:00  | 0.00       | 0.0      | 0.333       | 0.000       | 9.4        | 51        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 16/09/08 | 4:00  | 0.00       | 0.0      | 0.366       | 0.000       | 8.4        | 53        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 16/09/08 | 5:00  | 0.00       | 0.0      | 0.405       | 0.000       | 7.7        | 55        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 16/09/08 | 6:00  | 0.00       | 0.0      | 0.407       | 0.000       | 7.4        | 54        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 16/09/08 | 7:00  | 0.17       | 0.7      | 0.301       | 0.000       | 12.3       | 49        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 16/09/08 | 8:00  | 0.51       | 1.8      | 0.155       | 0.000       | 19.5       | 37        | 0.23 | 1368         | 1          | 100.0          | 60           |
| 16/09/08 | 9:00  | 1.11       | 3.4      | 0.046       | 0.000       | 26.1       | 25        | 0.36 | 1368         | 1          | 100.0          | 60           |
| 16/09/08 | 10:00 | 1.76       | 4.8      | 0.000       | 0.044       | 31.1       | 22        | 0.41 | 1368         | 1          | 100.0          | 60           |
| 16/09/08 | 11:00 | 2.23       | 5.5      | 0.000       | 0.146       | 33.9       | 21        | 0.46 | 1368         | 1          | 100.0          | 60           |
| 16/09/08 | 12:00 | 2.36       | 5.6      | 0.000       | 0.213       | 35.2       | 20        | 0.48 | 1368         | 1          | 100.0          | 60           |
| 16/09/08 | 13:00 | 2.10       | 5.4      | 0.000       | 0.266       | 35.7       | 19        | 0.51 | 1368         | 1          | 100.0          | 60           |
| 16/09/08 | 14:00 | 1.50       | 4.3      | 0.000       | 0.308       | 36.1       | 18        | 0.48 | 1368         | 1          | 100.0          | 60           |
| 16/09/08 | 15:00 | 0.90       | 2.8      | 0.000       | 0.331       | 36.3       | 16        | 0.41 | 1368         | 1          | 100.0          | 60           |
| 16/09/08 | 16:00 | 0.34       | 1.4      | 0.000       | 0.338       | 36.3       | 16        | 0.28 | 1368         | 1          | 100.0          | 60           |
| 16/09/08 | 17:00 | 0.09       | 0.5      | 0.000       | 0.306       | 35.0       | 20        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 16/09/08 | 18:00 | 0.00       | 0.0      | 0.000       | 0.153       | 28.2       | 25        | 0.03 | 1330         | 1          | 97.2           | 60           |
| 16/09/08 | 19:00 | 0.00       | 0.0      | 0.019       | 0.000       | 22.3       | 28        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 16/09/08 | 20:00 | 0.00       | 0.0      | 0.109       | 0.000       | 18.2       | 31        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 16/09/08 | 21:00 | 0.00       | 0.0      | 0.104       | 0.000       | 16.1       | 34        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 16/09/08 | 22:00 | 0.00       | 0.0      | 0.185       | 0.000       | 13.9       | 37        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 16/09/08 | 23:00 | 0.00       | 0.0      | 0.187       | 0.000       | 12.6       | 39        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 17/09/08 | 00:00 | 0.00       | 0.0      | 0.236       | 0.000       | 12.2       | 42        | 0.03 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 17/09/08

| Date     | Time  | UV<br>Dose | Hi<br>UV | Heat<br>D-D | Cool<br>D-D | In<br>Temp | In<br>Hum | ET   | Wind<br>Samp | Wind<br>Tx | ISS<br>Receipt | Arc.<br>Int. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 17/09/08 | 1:00  | 0.00       | 0.0      | 0.299       | 0.000       | 10.8       | 44        | 0.03 | 1369         | 1          | 100.0          | 60           |
| 17/09/08 | 2:00  | 0.00       | 0.0      | 0.273       | 0.000       | 10.2       | 47        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 17/09/08 | 3:00  | 0.00       | 0.0      | 0.266       | 0.000       | 10.9       | 48        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 17/09/08 | 4:00  | 0.00       | 0.0      | 0.317       | 0.000       | 10.0       | 50        | 0.00 | 1367         | 1          | 99.9           | 60           |
| 17/09/08 | 5:00  | 0.00       | 0.0      | 0.329       | 0.000       | 9.2        | 50        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 17/09/08 | 6:00  | 0.00       | 0.0      | 0.331       | 0.000       | 9.3        | 48        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 17/09/08 | 7:00  | 0.17       | 0.7      | 0.160       | 0.000       | 14.6       | 44        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 17/09/08 | 8:00  | 0.51       | 1.8      | 0.014       | 0.000       | 22.6       | 35        | 0.23 | 1368         | 1          | 100.0          | 60           |
| 17/09/08 | 9:00  | 1.07       | 3.3      | 0.000       | 0.062       | 28.4       | 25        | 0.33 | 1307         | 1          | 95.5           | 60           |
| 17/09/08 | 10:00 | 1.71       | 4.6      | 0.000       | 0.144       | 33.0       | 22        | 0.41 | 1368         | 1          | 100.0          | 60           |
| 17/09/08 | 11:00 | 2.19       | 5.4      | 0.000       | 0.213       | 35.0       | 20        | 0.48 | 1368         | 1          | 100.0          | 60           |
| 17/09/08 | 12:00 | 2.31       | 5.4      | 0.000       | 0.262       | 36.2       | 20        | 0.48 | 1368         | 1          | 100.0          | 60           |
| 17/09/08 | 13:00 | 2.01       | 5.2      | 0.000       | 0.303       | 36.8       | 20        | 0.48 | 1368         | 1          | 100.0          | 60           |
| 17/09/08 | 14:00 | 1.46       | 4.1      | 0.000       | 0.340       | 37.1       | 20        | 0.41 | 1368         | 1          | 100.0          | 60           |
| 17/09/08 | 15:00 | 0.81       | 2.7      | 0.000       | 0.366       | 37.3       | 21        | 0.30 | 1368         | 1          | 100.0          | 60           |
| 17/09/08 | 16:00 | 0.34       | 1.3      | 0.000       | 0.375       | 37.2       | 20        | 0.18 | 1368         | 1          | 100.0          | 60           |
| 17/09/08 | 17:00 | 0.09       | 0.4      | 0.000       | 0.336       | 35.8       | 22        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 17/09/08 | 18:00 | 0.00       | 0.0      | 0.000       | 0.183       | 28.5       | 28        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 17/09/08 | 19:00 | 0.00       | 0.0      | 0.000       | 0.134       | 24.6       | 29        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 17/09/08 | 20:00 | 0.00       | 0.0      | 0.000       | 0.097       | 22.3       | 32        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 17/09/08 | 21:00 | 0.00       | 0.0      | 0.000       | 0.081       | 20.8       | 36        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 17/09/08 | 22:00 | 0.00       | 0.0      | 0.000       | 0.046       | 19.3       | 38        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 17/09/08 | 23:00 | 0.00       | 0.0      | 0.146       | 0.000       | 16.4       | 39        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 18/09/08 | 00:00 | 0.00       | 0.0      | 0.231       | 0.000       | 13.1       | 43        | 0.00 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 18/09/08

| Date     | Time  | UV<br>Dose | Hi<br>UV | Heat<br>D-D | Cool<br>D-D | In<br>Temp | In<br>Hum | ET   | Wind<br>Samp | Wind<br>Tx | ISS<br>Receipt | Arc.<br>Int. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 18/09/08 | 1:00  | 0.00       | 0.0      | 0.264       | 0.000       | 11.7       | 44        | 0.00 | 1369         | 1          | 100.0          | 60           |
| 18/09/08 | 2:00  | 0.00       | 0.0      | 0.065       | 0.000       | 13.5       | 49        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 18/09/08 | 3:00  | 0.00       | 0.0      | 0.211       | 0.000       | 13.3       | 50        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 18/09/08 | 4:00  | 0.00       | 0.0      | 0.199       | 0.000       | 11.8       | 51        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 18/09/08 | 5:00  | 0.00       | 0.0      | 0.118       | 0.000       | 13.7       | 54        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 18/09/08 | 6:00  | 0.00       | 0.0      | 0.141       | 0.000       | 14.3       | 53        | 0.05 | 1367         | 1          | 99.9           | 60           |
| 18/09/08 | 7:00  | 0.17       | 0.7      | 0.109       | 0.000       | 17.6       | 45        | 0.15 | 1368         | 1          | 100.0          | 60           |
| 18/09/08 | 8:00  | 0.51       | 1.8      | 0.042       | 0.000       | 22.6       | 34        | 0.28 | 1368         | 1          | 100.0          | 60           |
| 18/09/08 | 9:00  | 1.11       | 3.3      | 0.000       | 0.035       | 27.5       | 22        | 0.38 | 1368         | 1          | 100.0          | 60           |
| 18/09/08 | 10:00 | 1.76       | 4.6      | 0.000       | 0.125       | 32.1       | 19        | 0.48 | 1368         | 1          | 100.0          | 60           |
| 18/09/08 | 11:00 | 2.14       | 5.4      | 0.000       | 0.150       | 33.8       | 17        | 0.51 | 1368         | 1          | 100.0          | 60           |
| 18/09/08 | 12:00 | 2.31       | 5.5      | 0.000       | 0.211       | 34.7       | 16        | 0.53 | 1368         | 1          | 100.0          | 60           |
| 18/09/08 | 13:00 | 1.76       | 5.1      | 0.000       | 0.255       | 35.6       | 16        | 0.51 | 1331         | 1          | 97.3           | 60           |
| 18/09/08 | 14:00 | 1.29       | 3.8      | 0.000       | 0.280       | 35.8       | 16        | 0.43 | 1368         | 1          | 100.0          | 60           |
| 18/09/08 | 15:00 | 0.60       | 1.8      | 0.000       | 0.282       | 35.6       | 16        | 0.30 | 1368         | 1          | 100.0          | 60           |
| 18/09/08 | 16:00 | 0.26       | 1.0      | 0.000       | 0.287       | 35.2       | 17        | 0.23 | 1368         | 1          | 100.0          | 60           |
| 18/09/08 | 17:00 | 0.04       | 0.4      | 0.000       | 0.245       | 32.7       | 23        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 18/09/08 | 18:00 | 0.00       | 0.0      | 0.000       | 0.164       | 26.7       | 27        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 18/09/08 | 19:00 | 0.00       | 0.0      | 0.000       | 0.123       | 23.8       | 29        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 18/09/08 | 20:00 | 0.00       | 0.0      | 0.000       | 0.012       | 20.9       | 32        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 18/09/08 | 21:00 | 0.00       | 0.0      | 0.111       | 0.000       | 16.8       | 35        | 0.03 | 1330         | 1          | 97.2           | 60           |
| 18/09/08 | 22:00 | 0.00       | 0.0      | 0.000       | 0.035       | 17.4       | 39        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 18/09/08 | 23:00 | 0.00       | 0.0      | 0.000       | 0.049       | 18.9       | 40        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 19/09/08 | 00:00 | 0.00       | 0.0      | 0.000       | 0.044       | 18.9       | 41        | 0.10 | 1368         | 1          | 100.0          | 60           |



## Ivinhema 19/09/08

| Date     | Time  | UV<br>Dose | Hi<br>UV | Heat<br>D-D | Cool<br>D-D | In<br>Temp | In<br>Hum | ET   | Wind<br>Samp | Wind<br>Tx | ISS<br>Receipt | Arc.<br>Int. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 19/09/08 | 1:00  | 0.00       | 0.0      | 0.009       | 0.000       | 18.1       | 43        | 0.08 | 1369         | 1          | 100.0          | 60           |
| 19/09/08 | 2:00  | 0.00       | 0.0      | 0.053       | 0.000       | 16.9       | 45        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 19/09/08 | 3:00  | 0.00       | 0.0      | 0.093       | 0.000       | 15.8       | 46        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 19/09/08 | 4:00  | 0.00       | 0.0      | 0.125       | 0.000       | 14.9       | 48        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 19/09/08 | 5:00  | 0.00       | 0.0      | 0.153       | 0.000       | 14.1       | 49        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 19/09/08 | 6:00  | 0.00       | 0.0      | 0.164       | 0.000       | 13.7       | 49        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 19/09/08 | 7:00  | 0.04       | 0.3      | 0.134       | 0.000       | 16.3       | 42        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 19/09/08 | 8:00  | 0.21       | 0.6      | 0.076       | 0.000       | 21.3       | 32        | 0.18 | 1368         | 1          | 100.0          | 60           |
| 19/09/08 | 9:00  | 0.34       | 1.3      | 0.005       | 0.000       | 25.8       | 25        | 0.28 | 1368         | 1          | 100.0          | 60           |
| 19/09/08 | 10:00 | 0.64       | 1.9      | 0.000       | 0.072       | 30.3       | 20        | 0.36 | 1330         | 1          | 97.2           | 60           |
| 19/09/08 | 11:00 | 0.77       | 2.9      | 0.000       | 0.144       | 32.6       | 20        | 0.41 | 1368         | 1          | 100.0          | 60           |
| 19/09/08 | 12:00 | 0.13       | 1.3      | 0.000       | 0.132       | 29.6       | 29        | 0.15 | 1368         | 1          | 100.0          | 60           |
| 19/09/08 | 13:00 | 0.13       | 0.5      | 0.000       | 0.062       | 24.9       | 37        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 19/09/08 | 14:00 | 0.09       | 0.8      | 0.000       | 0.093       | 25.2       | 40        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 19/09/08 | 15:00 | 0.04       | 0.5      | 0.000       | 0.012       | 22.1       | 46        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 19/09/08 | 16:00 | 0.13       | 0.5      | 0.000       | 0.032       | 21.8       | 48        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 19/09/08 | 17:00 | 0.00       | 0.3      | 0.000       | 0.046       | 21.9       | 56        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 19/09/08 | 18:00 | 0.00       | 0.0      | 0.000       | 0.032       | 20.1       | 62        | 0.00 | 1367         | 1          | 99.9           | 60           |
| 19/09/08 | 19:00 | 0.00       | 0.0      | 0.000       | 0.025       | 18.9       | 64        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 19/09/08 | 20:00 | 0.00       | 0.0      | 0.030       | 0.000       | 18.0       | 66        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 19/09/08 | 21:00 | 0.00       | 0.0      | 0.083       | 0.000       | 16.7       | 67        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 19/09/08 | 22:00 | 0.00       | 0.0      | 0.069       | 0.000       | 16.1       | 72        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 19/09/08 | 23:00 | 0.00       | 0.0      | 0.007       | 0.000       | 17.3       | 72        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 20/09/08 | 00:00 | 0.00       | 0.0      | 0.032       | 0.000       | 17.4       | 74        | 0.05 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 20/09/08

| Date     | Time  | UV<br>Dose | Hi<br>UV | Heat<br>D-D | Cool<br>D-D | In<br>Temp | In<br>Hum | ET   | Wind<br>Samp | Wind<br>Tx | ISS<br>Receipt | Arc.<br>Int. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 20/09/08 | 1:00  | 0.00       | 0.0      | 0.025       | 0.000       | 17.3       | 75        | 0.05 | 1369         | 1          | 100.0          | 60           |
| 20/09/08 | 2:00  | 0.00       | 0.0      | 0.032       | 0.000       | 17.3       | 77        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 20/09/08 | 3:00  | 0.00       | 0.0      | 0.014       | 0.000       | 16.7       | 79        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 20/09/08 | 4:00  | 0.00       | 0.0      | 0.028       | 0.000       | 16.7       | 78        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 20/09/08 | 5:00  | 0.00       | 0.0      | 0.058       | 0.000       | 16.6       | 80        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 20/09/08 | 6:00  | 0.00       | 0.0      | 0.056       | 0.000       | 16.5       | 82        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 20/09/08 | 7:00  | 0.00       | 0.0      | 0.032       | 0.000       | 16.8       | 83        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 20/09/08 | 8:00  | 0.00       | 0.0      | 0.028       | 0.000       | 17.9       | 79        | 0.03 | 1331         | 1          | 97.3           | 60           |
| 20/09/08 | 9:00  | 0.21       | 1.2      | 0.012       | 0.000       | 19.4       | 68        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 20/09/08 | 10:00 | 0.47       | 1.4      | 0.000       | 0.019       | 23.7       | 57        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 20/09/08 | 11:00 | 0.26       | 1.2      | 0.000       | 0.030       | 23.6       | 68        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 20/09/08 | 12:00 | 0.56       | 2.7      | 0.000       | 0.028       | 22.2       | 53        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 20/09/08 | 13:00 | 0.81       | 3.3      | 0.000       | 0.060       | 26.8       | 43        | 0.18 | 1368         | 1          | 100.0          | 60           |
| 20/09/08 | 14:00 | 0.73       | 2.5      | 0.000       | 0.088       | 29.6       | 45        | 0.18 | 1367         | 1          | 99.9           | 60           |
| 20/09/08 | 15:00 | 0.30       | 1.4      | 0.000       | 0.116       | 27.9       | 53        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 20/09/08 | 16:00 | 0.00       | 0.3      | 0.000       | 0.093       | 23.9       | 66        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 20/09/08 | 17:00 | 0.00       | 0.0      | 0.000       | 0.030       | 20.4       | 74        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 20/09/08 | 18:00 | 0.00       | 0.0      | 0.060       | 0.000       | 17.7       | 78        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 20/09/08 | 19:00 | 0.00       | 0.0      | 0.072       | 0.000       | 16.7       | 79        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 20/09/08 | 20:00 | 0.00       | 0.0      | 0.074       | 0.000       | 16.3       | 81        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 20/09/08 | 21:00 | 0.00       | 0.0      | 0.083       | 0.000       | 16.2       | 82        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 20/09/08 | 22:00 | 0.00       | 0.0      | 0.095       | 0.000       | 15.9       | 83        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 20/09/08 | 23:00 | 0.00       | 0.0      | 0.100       | 0.000       | 15.8       | 84        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 21/09/08 | 00:00 | 0.00       | 0.0      | 0.123       | 0.000       | 15.4       | 83        | 0.03 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 21/09/08

| Date     | Time  | UV<br>Dose | Hi<br>UV | Heat<br>D-D | Cool<br>D-D | In<br>Temp | In<br>Hum | ET   | Wind<br>Samp | Wind<br>Tx | ISS<br>Receipt | Arc.<br>Int. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 21/09/08 | 1:00  | 0.00       | 0.0      | 0.139       | 0.000       | 14.8       | 84        | 0.03 | 1369         | 1          | 100.0          | 60           |
| 21/09/08 | 2:00  | 0.00       | 0.0      | 0.169       | 0.000       | 14.0       | 85        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 21/09/08 | 3:00  | 0.00       | 0.0      | 0.176       | 0.000       | 13.6       | 86        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 21/09/08 | 4:00  | 0.00       | 0.0      | 0.178       | 0.000       | 13.6       | 86        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 21/09/08 | 5:00  | 0.00       | 0.0      | 0.208       | 0.000       | 13.0       | 86        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 21/09/08 | 6:00  | 0.00       | 0.0      | 0.218       | 0.000       | 12.6       | 86        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 21/09/08 | 7:00  | 0.00       | 0.0      | 0.197       | 0.000       | 13.4       | 83        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 21/09/08 | 8:00  | 0.21       | 0.9      | 0.167       | 0.000       | 15.8       | 65        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 21/09/08 | 9:00  | 0.43       | 1.3      | 0.137       | 0.000       | 19.8       | 52        | 0.13 | 1367         | 1          | 99.9           | 60           |
| 21/09/08 | 10:00 | 0.90       | 4.0      | 0.102       | 0.000       | 23.2       | 39        | 0.20 | 1368         | 1          | 100.0          | 60           |
| 21/09/08 | 11:00 | 1.37       | 6.1      | 0.039       | 0.000       | 27.2       | 31        | 0.30 | 1368         | 1          | 100.0          | 60           |
| 21/09/08 | 12:00 | 1.50       | 6.3      | 0.002       | 0.000       | 28.9       | 28        | 0.33 | 1368         | 1          | 100.0          | 60           |
| 21/09/08 | 13:00 | 0.99       | 5.7      | 0.000       | 0.014       | 28.4       | 30        | 0.23 | 1368         | 1          | 100.0          | 60           |
| 21/09/08 | 14:00 | 1.03       | 4.4      | 0.000       | 0.058       | 29.2       | 27        | 0.30 | 1331         | 1          | 97.3           | 60           |
| 21/09/08 | 15:00 | 0.64       | 2.8      | 0.000       | 0.086       | 29.7       | 25        | 0.28 | 1368         | 1          | 100.0          | 60           |
| 21/09/08 | 16:00 | 0.34       | 1.3      | 0.000       | 0.088       | 30.1       | 26        | 0.25 | 1368         | 1          | 100.0          | 60           |
| 21/09/08 | 17:00 | 0.09       | 0.5      | 0.000       | 0.067       | 28.6       | 31        | 0.13 | 1368         | 1          | 100.0          | 60           |
| 21/09/08 | 18:00 | 0.00       | 0.0      | 0.083       | 0.000       | 22.7       | 37        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 21/09/08 | 19:00 | 0.00       | 0.0      | 0.178       | 0.000       | 17.7       | 44        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 21/09/08 | 20:00 | 0.00       | 0.0      | 0.231       | 0.000       | 14.6       | 50        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 21/09/08 | 21:00 | 0.00       | 0.0      | 0.252       | 0.000       | 12.3       | 55        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 21/09/08 | 22:00 | 0.00       | 0.0      | 0.287       | 0.000       | 11.1       | 58        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 21/09/08 | 23:00 | 0.00       | 0.0      | 0.343       | 0.000       | 9.7        | 61        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 22/09/08 | 00:00 | 0.00       | 0.0      | 0.377       | 0.000       | 8.4        | 63        | 0.00 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 22/09/08

| Date     | Time  | UV<br>Dose | Hi<br>UV | Heat<br>D-D | Cool<br>D-D | In<br>Temp | In<br>Hum | ET   | Wind<br>Samp | Wind<br>Tx | ISS<br>Receipt | Arc.<br>Int. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 22/09/08 | 1:00  | 0.00       | 0.0      | 0.419       | 0.000       | 7.5        | 66        | 0.00 | 1369         | 1          | 100.0          | 60           |
| 22/09/08 | 2:00  | 0.00       | 0.0      | 0.428       | 0.000       | 6.8        | 67        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 22/09/08 | 3:00  | 0.00       | 0.0      | 0.463       | 0.000       | 6.2        | 68        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 22/09/08 | 4:00  | 0.00       | 0.0      | 0.495       | 0.000       | 5.3        | 68        | 0.00 | 1367         | 1          | 99.9           | 60           |
| 22/09/08 | 5:00  | 0.00       | 0.0      | 0.502       | 0.000       | 4.7        | 69        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 22/09/08 | 6:00  | 0.00       | 0.3      | 0.481       | 0.000       | 5.2        | 67        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 22/09/08 | 7:00  | 0.21       | 0.8      | 0.363       | 0.000       | 10.4       | 59        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 22/09/08 | 8:00  | 0.56       | 1.9      | 0.231       | 0.000       | 17.6       | 44        | 0.23 | 1368         | 1          | 100.0          | 60           |
| 22/09/08 | 9:00  | 1.16       | 3.4      | 0.146       | 0.000       | 23.6       | 28        | 0.33 | 1368         | 1          | 100.0          | 60           |
| 22/09/08 | 10:00 | 1.80       | 4.8      | 0.069       | 0.000       | 28.8       | 21        | 0.43 | 1368         | 1          | 100.0          | 60           |
| 22/09/08 | 11:00 | 2.27       | 5.7      | 0.028       | 0.000       | 30.6       | 19        | 0.48 | 1368         | 1          | 100.0          | 60           |
| 22/09/08 | 12:00 | 2.40       | 5.7      | 0.000       | 0.009       | 31.3       | 18        | 0.48 | 1368         | 1          | 100.0          | 60           |
| 22/09/08 | 13:00 | 2.14       | 5.4      | 0.000       | 0.046       | 31.7       | 21        | 0.43 | 1368         | 1          | 100.0          | 60           |
| 22/09/08 | 14:00 | 1.54       | 4.3      | 0.000       | 0.095       | 32.4       | 19        | 0.43 | 1331         | 1          | 97.3           | 60           |
| 22/09/08 | 15:00 | 0.90       | 2.8      | 0.000       | 0.132       | 32.9       | 19        | 0.36 | 1368         | 1          | 100.0          | 60           |
| 22/09/08 | 16:00 | 0.39       | 1.4      | 0.000       | 0.144       | 33.1       | 17        | 0.28 | 1368         | 1          | 100.0          | 60           |
| 22/09/08 | 17:00 | 0.09       | 0.5      | 0.000       | 0.111       | 31.4       | 22        | 0.13 | 1368         | 1          | 100.0          | 60           |
| 22/09/08 | 18:00 | 0.00       | 0.0      | 0.023       | 0.000       | 23.3       | 32        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 22/09/08 | 19:00 | 0.00       | 0.0      | 0.111       | 0.000       | 18.7       | 33        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 22/09/08 | 20:00 | 0.00       | 0.0      | 0.187       | 0.000       | 16.3       | 36        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 22/09/08 | 21:00 | 0.00       | 0.0      | 0.238       | 0.000       | 13.8       | 40        | 0.00 | 1331         | 1          | 97.3           | 60           |
| 22/09/08 | 22:00 | 0.00       | 0.0      | 0.236       | 0.000       | 12.2       | 43        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 22/09/08 | 23:00 | 0.00       | 0.0      | 0.273       | 0.000       | 11.4       | 46        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 23/09/08 | 00:00 | 0.00       | 0.0      | 0.333       | 0.000       | 10.2       | 49        | 0.00 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 23/09/08

| Date     | Time  | UV<br>Dose | Hi<br>UV | Heat<br>D-D | Cool<br>D-D | In<br>Temp | In<br>Hum | ET   | Wind<br>Samp | Wind<br>Tx | ISS<br>Receipt | Arc.<br>Int. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 23/09/08 | 1:00  | 0.00       | 0.0      | 0.352       | 0.000       | 9.4        | 54        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 23/09/08 | 2:00  | 0.00       | 0.0      | 0.361       | 0.000       | 9.0        | 56        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 23/09/08 | 3:00  | 0.00       | 0.0      | 0.375       | 0.000       | 8.6        | 58        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 23/09/08 | 4:00  | 0.00       | 0.0      | 0.396       | 0.000       | 7.9        | 59        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 23/09/08 | 5:00  | 0.00       | 0.0      | 0.405       | 0.000       | 7.6        | 61        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 23/09/08 | 6:00  | 0.00       | 0.3      | 0.398       | 0.000       | 7.9        | 61        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 23/09/08 | 7:00  | 0.21       | 0.8      | 0.257       | 0.000       | 13.1       | 57        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 23/09/08 | 8:00  | 0.60       | 2.0      | 0.116       | 0.000       | 20.1       | 44        | 0.23 | 1368         | 1          | 100.0          | 60           |
| 23/09/08 | 9:00  | 1.20       | 3.6      | 0.028       | 0.000       | 25.8       | 30        | 0.33 | 1368         | 1          | 100.0          | 60           |
| 23/09/08 | 10:00 | 1.89       | 5.0      | 0.000       | 0.067       | 31.4       | 24        | 0.43 | 1368         | 1          | 100.0          | 60           |
| 23/09/08 | 11:00 | 2.36       | 5.8      | 0.000       | 0.157       | 33.7       | 21        | 0.48 | 1368         | 1          | 100.0          | 60           |
| 23/09/08 | 12:00 | 2.49       | 5.8      | 0.000       | 0.206       | 34.9       | 19        | 0.51 | 1368         | 1          | 100.0          | 60           |
| 23/09/08 | 13:00 | 2.19       | 5.6      | 0.000       | 0.236       | 35.3       | 20        | 0.48 | 1368         | 1          | 100.0          | 60           |
| 23/09/08 | 14:00 | 1.59       | 4.4      | 0.000       | 0.262       | 35.6       | 19        | 0.43 | 1368         | 1          | 100.0          | 60           |
| 23/09/08 | 15:00 | 0.90       | 2.9      | 0.000       | 0.278       | 35.7       | 18        | 0.36 | 1368         | 1          | 100.0          | 60           |
| 23/09/08 | 16:00 | 0.39       | 1.4      | 0.000       | 0.285       | 35.6       | 19        | 0.23 | 1368         | 1          | 100.0          | 60           |
| 23/09/08 | 17:00 | 0.09       | 0.5      | 0.000       | 0.266       | 34.4       | 22        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 23/09/08 | 18:00 | 0.00       | 0.0      | 0.000       | 0.171       | 27.8       | 28        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 23/09/08 | 19:00 | 0.00       | 0.0      | 0.000       | 0.016       | 22.2       | 31        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 23/09/08 | 20:00 | 0.00       | 0.0      | 0.123       | 0.000       | 18.3       | 35        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 23/09/08 | 21:00 | 0.00       | 0.0      | 0.192       | 0.000       | 15.3       | 39        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 23/09/08 | 22:00 | 0.00       | 0.0      | 0.229       | 0.000       | 13.3       | 42        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 23/09/08 | 23:00 | 0.00       | 0.0      | 0.278       | 0.000       | 11.8       | 45        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 24/09/08 | 00:00 | 0.00       | 0.0      | 0.310       | 0.000       | 10.8       | 47        | 0.00 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 24/09/08

| Date     | Time  | UV<br>Dose | Hi<br>UV | Heat<br>D-D | Cool<br>D-D | In<br>Temp | In<br>Hum | ET   | Wind<br>Samp | Wind<br>Tx | ISS<br>Receipt | Arc.<br>Int. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 24/09/08 | 1:00  | 0.00       | 0.0      | 0.333       | 0.000       | 9.9        | 49        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 24/09/08 | 2:00  | 0.00       | 0.0      | 0.343       | 0.000       | 9.5        | 50        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 24/09/08 | 3:00  | 0.00       | 0.0      | 0.347       | 0.000       | 9.2        | 51        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 24/09/08 | 4:00  | 0.00       | 0.0      | 0.354       | 0.000       | 9.1        | 53        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 24/09/08 | 5:00  | 0.00       | 0.0      | 0.377       | 0.000       | 8.6        | 53        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 24/09/08 | 6:00  | 0.00       | 0.3      | 0.375       | 0.000       | 8.7        | 52        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 24/09/08 | 7:00  | 0.21       | 0.8      | 0.215       | 0.000       | 14.3       | 48        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 24/09/08 | 8:00  | 0.60       | 2.0      | 0.044       | 0.000       | 21.8       | 41        | 0.23 | 1368         | 1          | 100.0          | 60           |
| 24/09/08 | 9:00  | 1.16       | 3.5      | 0.000       | 0.056       | 27.4       | 28        | 0.36 | 1368         | 1          | 100.0          | 60           |
| 24/09/08 | 10:00 | 1.80       | 5.0      | 0.000       | 0.120       | 32.2       | 22        | 0.46 | 1368         | 1          | 100.0          | 60           |
| 24/09/08 | 11:00 | 2.31       | 5.7      | 0.000       | 0.178       | 34.0       | 21        | 0.53 | 1368         | 1          | 100.0          | 60           |
| 24/09/08 | 12:00 | 2.44       | 5.7      | 0.000       | 0.227       | 35.0       | 20        | 0.53 | 1368         | 1          | 100.0          | 60           |
| 24/09/08 | 13:00 | 2.14       | 5.4      | 0.000       | 0.266       | 35.4       | 19        | 0.53 | 1368         | 1          | 100.0          | 60           |
| 24/09/08 | 14:00 | 1.50       | 4.4      | 0.000       | 0.308       | 36.0       | 17        | 0.48 | 1368         | 1          | 100.0          | 60           |
| 24/09/08 | 15:00 | 0.86       | 2.7      | 0.000       | 0.326       | 36.3       | 17        | 0.38 | 1368         | 1          | 100.0          | 60           |
| 24/09/08 | 16:00 | 0.34       | 1.3      | 0.000       | 0.326       | 36.1       | 17        | 0.28 | 1330         | 1          | 97.2           | 60           |
| 24/09/08 | 17:00 | 0.09       | 0.4      | 0.000       | 0.289       | 34.3       | 22        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 24/09/08 | 18:00 | 0.00       | 0.0      | 0.000       | 0.185       | 27.9       | 27        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 24/09/08 | 19:00 | 0.00       | 0.0      | 0.000       | 0.058       | 23.2       | 29        | 0.03 | 1331         | 1          | 97.3           | 60           |
| 24/09/08 | 20:00 | 0.00       | 0.0      | 0.005       | 0.000       | 20.0       | 32        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 24/09/08 | 21:00 | 0.00       | 0.0      | 0.106       | 0.000       | 17.1       | 35        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 24/09/08 | 22:00 | 0.00       | 0.0      | 0.183       | 0.000       | 14.6       | 37        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 24/09/08 | 23:00 | 0.00       | 0.0      | 0.206       | 0.000       | 13.3       | 39        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 25/09/08 | 00:00 | 0.00       | 0.0      | 0.234       | 0.000       | 12.4       | 41        | 0.00 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 25/09/08

| Date     | Time  | UV<br>Dose | Hi<br>UV | Heat<br>D-D | Cool<br>D-D | In<br>Temp | In<br>Hum | ET   | Wind<br>Samp | Wind<br>Tx | ISS<br>Receipt | Arc.<br>Int. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 25/09/08 | 1:00  | 0.00       | 0.0      | 0.167       | 0.000       | 12.3       | 45        | 0.03 | 1369         | 1          | 100.0          | 60           |
| 25/09/08 | 2:00  | 0.00       | 0.0      | 0.104       | 0.000       | 14.4       | 48        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 25/09/08 | 3:00  | 0.00       | 0.0      | 0.190       | 0.000       | 13.1       | 51        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 25/09/08 | 4:00  | 0.00       | 0.0      | 0.155       | 0.000       | 13.0       | 51        | 0.03 | 1330         | 1          | 97.2           | 60           |
| 25/09/08 | 5:00  | 0.00       | 0.0      | 0.113       | 0.000       | 13.9       | 53        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 25/09/08 | 6:00  | 0.00       | 0.0      | 0.123       | 0.000       | 14.4       | 53        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 25/09/08 | 7:00  | 0.09       | 0.5      | 0.095       | 0.000       | 16.2       | 48        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 25/09/08 | 8:00  | 0.34       | 1.0      | 0.046       | 0.000       | 20.9       | 38        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 25/09/08 | 9:00  | 0.64       | 2.4      | 0.000       | 0.009       | 25.2       | 30        | 0.18 | 1331         | 1          | 97.3           | 60           |
| 25/09/08 | 10:00 | 1.16       | 3.3      | 0.000       | 0.072       | 30.0       | 26        | 0.28 | 1368         | 1          | 100.0          | 60           |
| 25/09/08 | 11:00 | 1.29       | 4.5      | 0.000       | 0.113       | 32.4       | 24        | 0.28 | 1368         | 1          | 100.0          | 60           |
| 25/09/08 | 12:00 | 1.16       | 3.3      | 0.000       | 0.144       | 33.0       | 24        | 0.23 | 1368         | 1          | 100.0          | 60           |
| 25/09/08 | 13:00 | 1.20       | 3.5      | 0.000       | 0.181       | 34.0       | 23        | 0.28 | 1368         | 1          | 100.0          | 60           |
| 25/09/08 | 14:00 | 0.94       | 3.0      | 0.000       | 0.211       | 34.9       | 23        | 0.25 | 1368         | 1          | 100.0          | 60           |
| 25/09/08 | 15:00 | 0.60       | 2.2      | 0.000       | 0.245       | 34.8       | 25        | 0.20 | 1368         | 1          | 100.0          | 60           |
| 25/09/08 | 16:00 | 0.26       | 1.1      | 0.000       | 0.266       | 33.7       | 29        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 25/09/08 | 17:00 | 0.04       | 0.3      | 0.000       | 0.213       | 29.2       | 34        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 25/09/08 | 18:00 | 0.00       | 0.0      | 0.000       | 0.134       | 24.3       | 43        | 0.00 | 1331         | 1          | 97.3           | 60           |
| 25/09/08 | 19:00 | 0.00       | 0.0      | 0.005       | 0.000       | 19.4       | 43        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 25/09/08 | 20:00 | 0.00       | 0.0      | 0.053       | 0.000       | 18.4       | 43        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 25/09/08 | 21:00 | 0.00       | 0.0      | 0.072       | 0.000       | 17.3       | 47        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 25/09/08 | 22:00 | 0.00       | 0.0      | 0.079       | 0.000       | 16.3       | 49        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 25/09/08 | 23:00 | 0.00       | 0.0      | 0.120       | 0.000       | 15.1       | 52        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 26/09/08 | 00:00 | 0.00       | 0.0      | 0.181       | 0.000       | 13.8       | 52        | 0.00 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 26/09/08

| Date     | Time  | UV<br>Dose | Hi<br>UV | Heat<br>D-D | Cool<br>D-D | In<br>Temp | In<br>Hum | ET   | Wind<br>Samp | Wind<br>Tx | ISS<br>Receipt | Arc.<br>Int. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 26/09/08 | 1:00  | 0.00       | 0.0      | 0.199       | 0.000       | 13.1       | 53        | 0.00 | 1369         | 1          | 100.0          | 60           |
| 26/09/08 | 2:00  | 0.00       | 0.0      | 0.162       | 0.000       | 13.8       | 57        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 26/09/08 | 3:00  | 0.00       | 0.0      | 0.206       | 0.000       | 13.0       | 58        | 0.00 | 1330         | 1          | 97.2           | 60           |
| 26/09/08 | 4:00  | 0.00       | 0.0      | 0.234       | 0.000       | 12.2       | 59        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 26/09/08 | 5:00  | 0.00       | 0.0      | 0.257       | 0.000       | 11.6       | 60        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 26/09/08 | 6:00  | 0.00       | 0.0      | 0.275       | 0.000       | 11.3       | 57        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 26/09/08 | 7:00  | 0.17       | 0.7      | 0.160       | 0.000       | 16.0       | 50        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 26/09/08 | 8:00  | 0.51       | 1.7      | 0.000       | 0.025       | 24.2       | 41        | 0.20 | 1368         | 1          | 100.0          | 60           |
| 26/09/08 | 9:00  | 1.03       | 3.1      | 0.000       | 0.134       | 30.8       | 30        | 0.33 | 1368         | 1          | 100.0          | 60           |
| 26/09/08 | 10:00 | 1.63       | 4.5      | 0.000       | 0.206       | 34.7       | 27        | 0.43 | 1368         | 1          | 100.0          | 60           |
| 26/09/08 | 11:00 | 2.10       | 5.2      | 0.000       | 0.266       | 36.1       | 25        | 0.48 | 1368         | 1          | 100.0          | 60           |
| 26/09/08 | 12:00 | 2.23       | 5.2      | 0.000       | 0.310       | 37.1       | 24        | 0.51 | 1368         | 1          | 100.0          | 60           |
| 26/09/08 | 13:00 | 1.97       | 5.0      | 0.000       | 0.345       | 37.6       | 25        | 0.48 | 1368         | 1          | 100.0          | 60           |
| 26/09/08 | 14:00 | 1.41       | 4.0      | 0.000       | 0.375       | 37.8       | 25        | 0.41 | 1368         | 1          | 100.0          | 60           |
| 26/09/08 | 15:00 | 0.81       | 2.6      | 0.000       | 0.398       | 38.2       | 24        | 0.33 | 1368         | 1          | 100.0          | 60           |
| 26/09/08 | 16:00 | 0.34       | 1.3      | 0.000       | 0.398       | 37.8       | 24        | 0.20 | 1368         | 1          | 100.0          | 60           |
| 26/09/08 | 17:00 | 0.09       | 0.4      | 0.000       | 0.400       | 36.6       | 28        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 26/09/08 | 18:00 | 0.00       | 0.0      | 0.000       | 0.294       | 30.2       | 33        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 26/09/08 | 19:00 | 0.00       | 0.0      | 0.000       | 0.141       | 24.8       | 35        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 26/09/08 | 20:00 | 0.00       | 0.0      | 0.000       | 0.030       | 22.0       | 38        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 26/09/08 | 21:00 | 0.00       | 0.0      | 0.023       | 0.000       | 19.3       | 42        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 26/09/08 | 22:00 | 0.00       | 0.0      | 0.058       | 0.000       | 17.4       | 44        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 26/09/08 | 23:00 | 0.00       | 0.0      | 0.127       | 0.000       | 15.5       | 46        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 27/09/08 | 00:00 | 0.00       | 0.0      | 0.162       | 0.000       | 14.1       | 47        | 0.00 | 1368         | 1          | 100.0          | 60           |



## Ivinhema 27/09/08

| Date     | Time  | UV<br>Dose | Hi<br>UV | Heat<br>D-D | Cool<br>D-D | In<br>Temp | In<br>Hum | ET   | Wind<br>Samp | Wind<br>Tx | ISS<br>Receipt | Arc.<br>Int. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 27/09/08 | 1:00  | 0.00       | 0.0      | 0.185       | 0.000       | 13.3       | 50        | 0.00 | 1369         | 1          | 100.0          | 60           |
| 27/09/08 | 2:00  | 0.00       | 0.0      | 0.222       | 0.000       | 12.6       | 51        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 27/09/08 | 3:00  | 0.00       | 0.0      | 0.273       | 0.000       | 11.6       | 53        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 27/09/08 | 4:00  | 0.00       | 0.0      | 0.285       | 0.000       | 10.9       | 56        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 27/09/08 | 5:00  | 0.00       | 0.0      | 0.299       | 0.000       | 10.6       | 58        | 0.00 | 1367         | 1          | 99.9           | 60           |
| 27/09/08 | 6:00  | 0.00       | 0.3      | 0.306       | 0.000       | 10.6       | 55        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 27/09/08 | 7:00  | 0.21       | 0.8      | 0.157       | 0.000       | 15.9       | 50        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 27/09/08 | 8:00  | 0.56       | 2.0      | 0.000       | 0.014       | 23.7       | 43        | 0.23 | 1368         | 1          | 100.0          | 60           |
| 27/09/08 | 9:00  | 1.16       | 3.5      | 0.000       | 0.146       | 29.2       | 30        | 0.38 | 1368         | 1          | 100.0          | 60           |
| 27/09/08 | 10:00 | 1.80       | 4.9      | 0.000       | 0.220       | 34.3       | 25        | 0.48 | 1368         | 1          | 100.0          | 60           |
| 27/09/08 | 11:00 | 2.27       | 5.6      | 0.000       | 0.280       | 36.2       | 24        | 0.53 | 1331         | 1          | 97.3           | 60           |
| 27/09/08 | 12:00 | 1.76       | 5.3      | 0.000       | 0.326       | 36.9       | 22        | 0.53 | 1368         | 1          | 100.0          | 60           |
| 27/09/08 | 13:00 | 1.50       | 4.8      | 0.000       | 0.370       | 37.3       | 22        | 0.51 | 1368         | 1          | 100.0          | 60           |
| 27/09/08 | 14:00 | 1.03       | 3.0      | 0.000       | 0.405       | 37.7       | 21        | 0.43 | 1368         | 1          | 100.0          | 60           |
| 27/09/08 | 15:00 | 0.56       | 1.9      | 0.000       | 0.431       | 37.9       | 19        | 0.36 | 1368         | 1          | 100.0          | 60           |
| 27/09/08 | 16:00 | 0.26       | 0.8      | 0.000       | 0.428       | 37.7       | 19        | 0.23 | 1368         | 1          | 100.0          | 60           |
| 27/09/08 | 17:00 | 0.04       | 0.3      | 0.000       | 0.398       | 35.6       | 24        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 27/09/08 | 18:00 | 0.00       | 0.0      | 0.000       | 0.299       | 29.7       | 28        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 27/09/08 | 19:00 | 0.00       | 0.0      | 0.000       | 0.155       | 24.6       | 35        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 27/09/08 | 20:00 | 0.00       | 0.0      | 0.000       | 0.032       | 20.7       | 38        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 27/09/08 | 21:00 | 0.00       | 0.0      | 0.042       | 0.000       | 17.4       | 41        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 27/09/08 | 22:00 | 0.00       | 0.0      | 0.093       | 0.000       | 15.8       | 44        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 27/09/08 | 23:00 | 0.00       | 0.0      | 0.097       | 0.000       | 14.8       | 45        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 28/09/08 | 00:00 | 0.00       | 0.0      | 0.014       | 0.000       | 15.6       | 46        | 0.03 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 28/09/08

| Date     | Time  | UV<br>Dose | Hi<br>UV | Heat<br>D-D | Cool<br>D-D | In<br>Temp | In<br>Hum | ET   | Wind<br>Samp | Wind<br>Tx | ISS<br>Receipt | Arc.<br>Int. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 28/09/08 | 1:00  | 0.00       | 0.0      | 0.000       | 0.035       | 17.1       | 49        | 0.05 | 1369         | 1          | 100.0          | 60           |
| 28/09/08 | 2:00  | 0.00       | 0.0      | 0.000       | 0.053       | 18.0       | 52        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 28/09/08 | 3:00  | 0.00       | 0.0      | 0.058       | 0.000       | 17.3       | 55        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 28/09/08 | 4:00  | 0.00       | 0.0      | 0.185       | 0.000       | 14.1       | 61        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 28/09/08 | 5:00  | 0.00       | 0.0      | 0.144       | 0.000       | 13.3       | 62        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 28/09/08 | 6:00  | 0.00       | 0.3      | 0.100       | 0.000       | 14.9       | 62        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 28/09/08 | 7:00  | 0.21       | 0.8      | 0.019       | 0.000       | 19.4       | 54        | 0.15 | 1330         | 1          | 97.2           | 60           |
| 28/09/08 | 8:00  | 0.56       | 2.0      | 0.000       | 0.058       | 24.4       | 41        | 0.28 | 1368         | 1          | 100.0          | 60           |
| 28/09/08 | 9:00  | 1.16       | 3.4      | 0.000       | 0.118       | 28.8       | 28        | 0.41 | 1368         | 1          | 100.0          | 60           |
| 28/09/08 | 10:00 | 1.76       | 4.8      | 0.000       | 0.171       | 33.3       | 22        | 0.48 | 1368         | 1          | 100.0          | 60           |
| 28/09/08 | 11:00 | 2.23       | 5.4      | 0.000       | 0.229       | 35.0       | 21        | 0.56 | 1368         | 1          | 100.0          | 60           |
| 28/09/08 | 12:00 | 2.31       | 5.5      | 0.000       | 0.285       | 35.8       | 21        | 0.56 | 1368         | 1          | 100.0          | 60           |
| 28/09/08 | 13:00 | 2.01       | 5.2      | 0.000       | 0.333       | 36.3       | 20        | 0.56 | 1368         | 1          | 100.0          | 60           |
| 28/09/08 | 14:00 | 1.46       | 4.1      | 0.000       | 0.370       | 36.7       | 20        | 0.53 | 1368         | 1          | 100.0          | 60           |
| 28/09/08 | 15:00 | 0.81       | 2.6      | 0.000       | 0.403       | 37.3       | 18        | 0.43 | 1368         | 1          | 100.0          | 60           |
| 28/09/08 | 16:00 | 0.34       | 1.3      | 0.000       | 0.412       | 37.4       | 18        | 0.30 | 1368         | 1          | 100.0          | 60           |
| 28/09/08 | 17:00 | 0.09       | 0.4      | 0.000       | 0.368       | 35.7       | 23        | 0.13 | 1330         | 1          | 97.2           | 60           |
| 28/09/08 | 18:00 | 0.00       | 0.0      | 0.000       | 0.266       | 29.7       | 30        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 28/09/08 | 19:00 | 0.00       | 0.0      | 0.000       | 0.192       | 25.7       | 33        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 28/09/08 | 20:00 | 0.00       | 0.0      | 0.000       | 0.130       | 23.1       | 35        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 28/09/08 | 21:00 | 0.00       | 0.0      | 0.000       | 0.153       | 22.2       | 39        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 28/09/08 | 22:00 | 0.00       | 0.0      | 0.000       | 0.146       | 22.0       | 42        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 28/09/08 | 23:00 | 0.00       | 0.0      | 0.000       | 0.111       | 21.2       | 43        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 29/09/08 | 00:00 | 0.00       | 0.0      | 0.046       | 0.000       | 18.2       | 46        | 0.03 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 29/09/08

| Date     | Time  | UV<br>Dose | Hi<br>UV | Heat<br>D-D | Cool<br>D-D | In<br>Temp | In<br>Hum | ET   | Wind<br>Samp | Wind<br>Tx | ISS<br>Receipt | Arc.<br>Int. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 29/09/08 | 1:00  | 0.00       | 0.0      | 0.093       | 0.000       | 15.8       | 48        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 29/09/08 | 2:00  | 0.00       | 0.0      | 0.000       | 0.007       | 16.4       | 51        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 29/09/08 | 3:00  | 0.00       | 0.0      | 0.046       | 0.000       | 16.6       | 54        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 29/09/08 | 4:00  | 0.00       | 0.0      | 0.030       | 0.000       | 16.1       | 55        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 29/09/08 | 5:00  | 0.00       | 0.0      | 0.021       | 0.000       | 16.9       | 57        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 29/09/08 | 6:00  | 0.00       | 0.0      | 0.030       | 0.000       | 17.2       | 56        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 29/09/08 | 7:00  | 0.17       | 0.7      | 0.000       | 0.014       | 20.7       | 45        | 0.15 | 1368         | 1          | 100.0          | 60           |
| 29/09/08 | 8:00  | 0.47       | 1.5      | 0.000       | 0.062       | 25.9       | 35        | 0.28 | 1368         | 1          | 100.0          | 60           |
| 29/09/08 | 9:00  | 0.94       | 2.8      | 0.000       | 0.120       | 29.6       | 27        | 0.38 | 1368         | 1          | 100.0          | 60           |
| 29/09/08 | 10:00 | 1.29       | 3.2      | 0.000       | 0.192       | 33.5       | 24        | 0.43 | 1368         | 1          | 100.0          | 60           |
| 29/09/08 | 11:00 | 1.03       | 2.9      | 0.000       | 0.229       | 34.3       | 25        | 0.33 | 1368         | 1          | 100.0          | 60           |
| 29/09/08 | 12:00 | 0.73       | 2.1      | 0.000       | 0.250       | 33.6       | 26        | 0.25 | 1368         | 1          | 100.0          | 60           |
| 29/09/08 | 13:00 | 0.73       | 2.3      | 0.000       | 0.275       | 34.0       | 26        | 0.28 | 1331         | 1          | 97.3           | 60           |
| 29/09/08 | 14:00 | 0.90       | 3.0      | 0.000       | 0.329       | 35.1       | 23        | 0.36 | 1368         | 1          | 100.0          | 60           |
| 29/09/08 | 15:00 | 0.56       | 2.1      | 0.000       | 0.361       | 36.6       | 23        | 0.28 | 1368         | 1          | 100.0          | 60           |
| 29/09/08 | 16:00 | 0.30       | 1.0      | 0.000       | 0.373       | 36.4       | 24        | 0.23 | 1368         | 1          | 100.0          | 60           |
| 29/09/08 | 17:00 | 0.04       | 0.4      | 0.000       | 0.340       | 33.6       | 30        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 29/09/08 | 18:00 | 0.00       | 0.0      | 0.000       | 0.255       | 28.2       | 36        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 29/09/08 | 19:00 | 0.00       | 0.0      | 0.000       | 0.213       | 25.9       | 35        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 29/09/08 | 20:00 | 0.00       | 0.0      | 0.000       | 0.234       | 25.6       | 36        | 0.13 | 1368         | 1          | 100.0          | 60           |
| 29/09/08 | 21:00 | 0.00       | 0.0      | 0.000       | 0.250       | 25.1       | 39        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 29/09/08 | 22:00 | 0.00       | 0.0      | 0.000       | 0.174       | 23.5       | 41        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 29/09/08 | 23:00 | 0.00       | 0.0      | 0.000       | 0.157       | 22.6       | 43        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 30/09/08 | 00:00 | 0.00       | 0.0      | 0.000       | 0.009       | 19.3       | 50        | 0.03 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 30/09/08

| Date     | Time  | UV<br>Dose | Hi<br>UV | Heat<br>D-D | Cool<br>D-D | In<br>Temp | In<br>Hum | ET   | Wind<br>Samp | Wind<br>Tx | ISS<br>Receipt | Arc.<br>Int. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 30/09/08 | 1:00  | 0.00       | 0.0      | 0.053       | 0.000       | 17.7       | 54        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 30/09/08 | 2:00  | 0.00       | 0.0      | 0.053       | 0.000       | 17.1       | 58        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 30/09/08 | 3:00  | 0.00       | 0.0      | 0.025       | 0.000       | 17.2       | 58        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 30/09/08 | 4:00  | 0.00       | 0.0      | 0.000       | 0.028       | 18.1       | 59        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 30/09/08 | 5:00  | 0.00       | 0.0      | 0.000       | 0.002       | 18.2       | 64        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 30/09/08 | 6:00  | 0.00       | 0.0      | 0.035       | 0.000       | 17.4       | 65        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 30/09/08 | 7:00  | 0.09       | 0.6      | 0.000       | 0.012       | 19.2       | 55        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 30/09/08 | 8:00  | 0.39       | 1.3      | 0.000       | 0.081       | 25.1       | 44        | 0.15 | 1368         | 1          | 100.0          | 60           |
| 30/09/08 | 9:00  | 0.86       | 2.8      | 0.000       | 0.137       | 29.7       | 34        | 0.28 | 1368         | 1          | 100.0          | 60           |
| 30/09/08 | 10:00 | 1.29       | 3.8      | 0.000       | 0.213       | 34.3       | 30        | 0.36 | 1368         | 1          | 100.0          | 60           |
| 30/09/08 | 11:00 | 1.84       | 4.7      | 0.000       | 0.296       | 36.6       | 29        | 0.43 | 1368         | 1          | 100.0          | 60           |
| 30/09/08 | 12:00 | 2.01       | 4.8      | 0.000       | 0.394       | 38.4       | 29        | 0.48 | 1368         | 1          | 100.0          | 60           |
| 30/09/08 | 13:00 | 1.76       | 4.6      | 0.000       | 0.481       | 39.7       | 29        | 0.48 | 1368         | 1          | 100.0          | 60           |
| 30/09/08 | 14:00 | 1.16       | 3.6      | 0.000       | 0.516       | 40.2       | 29        | 0.36 | 1368         | 1          | 100.0          | 60           |
| 30/09/08 | 15:00 | 0.60       | 2.1      | 0.000       | 0.544       | 40.3       | 29        | 0.28 | 1368         | 1          | 100.0          | 60           |
| 30/09/08 | 16:00 | 0.30       | 1.0      | 0.000       | 0.509       | 38.9       | 30        | 0.18 | 1368         | 1          | 100.0          | 60           |
| 30/09/08 | 17:00 | 0.04       | 0.4      | 0.000       | 0.414       | 35.4       | 38        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 30/09/08 | 18:00 | 0.00       | 0.0      | 0.000       | 0.315       | 30.4       | 44        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 30/09/08 | 19:00 | 0.00       | 0.0      | 0.000       | 0.257       | 27.4       | 49        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 30/09/08 | 20:00 | 0.00       | 0.0      | 0.000       | 0.199       | 24.9       | 54        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 30/09/08 | 21:00 | 0.00       | 0.0      | 0.000       | 0.134       | 22.6       | 57        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 30/09/08 | 22:00 | 0.00       | 0.0      | 0.000       | 0.123       | 21.3       | 60        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 30/09/08 | 23:00 | 0.00       | 0.0      | 0.000       | 0.109       | 20.9       | 62        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 1/10/08  | 00:00 | 0.00       | 0.0      | 0.000       | 0.095       | 20.4       | 63        | 0.00 | 1368         | 1          | 100.0          | 60           |