

## Ivinhema 1/10/13

| 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  |
|---------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|---------------|-----|
| 1/10/13 | 1:00  | 22.9        | 23.3       | 22.7        | 94         | 21.9 | 6.4           | WNW | 6.44        | 16.1        | W         | 22.9          | 24.4          | 24.4 | 755.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0           | 0.0 |
| 1/10/13 | 2:00  | 22.4        | 22.9       | 22.2        | 96         | 21.8 | 8.0           | WNW | 8.05        | 14.5        | WNW       | 22.4          | 24.1          | 23.5 | 754.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0           | 0.0 |
| 1/10/13 | 3:00  | 22.2        | 22.5       | 22.1        | 97         | 21.7 | 1.6           | W   | 1.61        | 12.9        | WSW       | 22.2          | 23.9          | 23.9 | 754.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0           | 0.0 |
| 1/10/13 | 4:00  | 22.1        | 22.5       | 21.9        | 97         | 21.6 | 3.2           | W   | 3.22        | 11.3        | W         | 22.1          | 23.8          | 23.8 | 755.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0           | 0.0 |
| 1/10/13 | 5:00  | 22.1        | 22.3       | 21.9        | 99         | 21.9 | 1.6           | W   | 1.61        | 11.3        | WSW       | 22.1          | 23.9          | 23.9 | 755.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0           | 0.0 |
| 1/10/13 | 6:00  | 22.1        | 22.4       | 21.9        | 99         | 21.9 | 6.4           | W   | 6.44        | 17.7        | W         | 22.1          | 23.9          | 23.9 | 756.3 | 0.0  | 0.0          | 2             | 0.17            | 7                   | 0.0           | 0.0 |
| 1/10/13 | 7:00  | 22.2        | 22.5       | 22.1        | 99         | 22.1 | 9.7           | WSW | 9.66        | 17.7        | WSW       | 22.2          | 24.1          | 23.1 | 756.9 | 0.0  | 0.0          | 27            | 2.32            | 56                  | 0.0           | 0.0 |
| 1/10/13 | 8:00  | 22.4        | 22.7       | 22.3        | 99         | 22.3 | 12.9          | WSW | 12.87       | 24.1        | WSW       | 22.4          | 24.3          | 22.7 | 757.4 | 0.0  | 0.0          | 87            | 7.48            | 120                 | 0.3           | 0.3 |
| 1/10/13 | 9:00  | 22.4        | 22.7       | 22.2        | 95         | 21.6 | 11.3          | WSW | 11.27       | 17.7        | WSW       | 22.4          | 23.9          | 22.6 | 757.2 | 0.0  | 0.0          | 133           | 11.44           | 201                 | 0.6           | 0.6 |
| 1/10/13 | 10:00 | 22.4        | 22.8       | 22.1        | 92         | 21.1 | 11.3          | WSW | 11.27       | 17.7        | SW        | 22.4          | 23.7          | 22.4 | 756.7 | 0.0  | 0.0          | 206           | 17.72           | 317                 | 1.0           | 1.0 |
| 1/10/13 | 11:00 | 21.3        | 22.3       | 21.0        | 88         | 19.3 | 1.6           | SW  | 1.61        | 12.9        | SW        | 21.3          | 22.3          | 22.3 | 756.6 | 0.0  | 0.0          | 220           | 18.92           | 297                 | 1.2           | 1.2 |
| 1/10/13 | 12:00 | 21.2        | 21.6       | 21.0        | 84         | 18.4 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.2          | 22.2          | 22.2 | 755.9 | 0.0  | 0.0          | 265           | 22.79           | 452                 | 1.5           | 1.5 |
| 1/10/13 | 13:00 | 22.0        | 22.8       | 21.6        | 78         | 18.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.0          | 22.8          | 22.8 | 755.1 | 0.0  | 0.0          | 334           | 28.73           | 461                 | 1.7           | 1.7 |
| 1/10/13 | 14:00 | 22.8        | 22.9       | 22.7        | 79         | 18.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.8          | 23.8          | 23.8 | 754.6 | 0.0  | 0.0          | 224           | 19.27           | 406                 | 1.1           | 1.1 |
| 1/10/13 | 15:00 | 22.7        | 22.8       | 22.6        | 80         | 19.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.7          | 23.7          | 23.7 | 754.4 | 0.0  | 0.0          | 84            | 7.22            | 144                 | 0.4           | 0.4 |
| 1/10/13 | 16:00 | 22.6        | 22.7       | 22.4        | 81         | 19.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.6          | 23.6          | 23.6 | 754.3 | 0.0  | 0.0          | 39            | 3.35            | 84                  | 0.1           | 0.1 |
| 1/10/13 | 17:00 | 22.2        | 22.4       | 21.9        | 85         | 19.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.2          | 23.2          | 23.2 | 754.3 | 0.0  | 0.0          | 12            | 1.03            | 28                  | 0.0           | 0.0 |
| 1/10/13 | 18:00 | 21.5        | 21.9       | 21.3        | 89         | 19.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.5          | 22.5          | 22.5 | 754.8 | 0.2  | 0.0          | 0             | 0.00            | 0                   | 0.0           | 0.0 |
| 1/10/13 | 19:00 | 21.3        | 21.3       | 21.3        | 91         | 19.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.3          | 22.4          | 22.4 | 755.1 | 0.2  | 0.0          | 0             | 0.00            | 0                   | 0.0           | 0.0 |
| 1/10/13 | 20:00 | 21.3        | 21.4       | 21.3        | 92         | 20.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.3          | 22.6          | 22.6 | 755.6 | 0.8  | 14.8         | 0             | 0.00            | 0                   | 0.0           | 0.0 |
| 1/10/13 | 21:00 | 21.3        | 21.4       | 21.3        | 93         | 20.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.3          | 22.6          | 22.6 | 756.4 | 0.2  | 1.0          | 0             | 0.00            | 0                   | 0.0           | 0.0 |
| 1/10/13 | 22:00 | 21.4        | 21.6       | 21.3        | 95         | 20.6 | 0.0           | W   | 0.00        | 1.6         | W         | 21.4          | 22.9          | 22.9 | 756.5 | 1.4  | 22.0         | 0             | 0.00            | 0                   | 0.0           | 0.0 |
| 1/10/13 | 23:00 | 21.3        | 21.6       | 21.3        | 96         | 20.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.3          | 22.9          | 22.9 | 756.3 | 0.6  | 9.0          | 0             | 0.00            | 0                   | 0.0           | 0.0 |
| 2/10/13 | 00:00 | 21.3        | 21.3       | 21.3        | 98         | 20.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.3          | 23.1          | 23.1 | 755.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0           | 0.0 |

## Ivinhema 2/10/13

| 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 |
|---------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 2/10/13 | 1:00  | 21.3        | 21.4       | 21.3        | 99         | 21.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.3          | 23.2          | 23.2 | 755.8 | 0.2  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 2/10/13 | 2:00  | 21.6        | 21.7       | 21.3        | 98         | 21.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.6          | 23.3          | 23.3 | 755.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 2/10/13 | 3:00  | 21.6        | 21.7       | 21.6        | 98         | 21.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.6          | 23.4          | 23.4 | 755.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 2/10/13 | 4:00  | 21.3        | 21.6       | 20.9        | 98         | 20.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.3          | 23.1          | 23.1 | 755.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 2/10/13 | 5:00  | 21.1        | 21.3       | 20.9        | 99         | 20.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.1          | 22.9          | 22.9 | 756.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 2/10/13 | 6:00  | 21.3        | 21.7       | 21.2        | 99         | 21.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.3          | 23.2          | 23.2 | 756.3 | 0.0  | 0.0          | 8             | 0.69            | 35                  | 0.0         |
| 2/10/13 | 7:00  | 21.8        | 22.0       | 21.6        | 98         | 21.4 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.8          | 23.6          | 23.6 | 756.8 | 0.0  | 0.0          | 42            | 3.61            | 51                  | 0.0         |
| 2/10/13 | 8:00  | 22.1        | 22.5       | 21.8        | 98         | 21.8 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.1          | 23.9          | 23.9 | 757.5 | 0.0  | 0.0          | 71            | 6.11            | 106                 | 0.3         |
| 2/10/13 | 9:00  | 22.6        | 22.9       | 22.3        | 92         | 21.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.6          | 23.8          | 23.8 | 757.9 | 0.0  | 0.0          | 109           | 9.38            | 143                 | 0.5         |
| 2/10/13 | 10:00 | 22.7        | 22.9       | 22.3        | 88         | 20.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.7          | 23.7          | 23.7 | 757.8 | 0.0  | 0.0          | 179           | 15.40           | 343                 | 0.9         |
| 2/10/13 | 11:00 | 22.1        | 22.4       | 21.9        | 84         | 19.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.1          | 23.1          | 23.1 | 757.4 | 0.0  | 0.0          | 205           | 17.63           | 303                 | 1.1         |
| 2/10/13 | 12:00 | 22.9        | 23.7       | 22.3        | 78         | 18.8 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.9          | 23.8          | 23.8 | 756.6 | 0.0  | 0.0          | 335           | 28.81           | 505                 | 1.8         |
| 2/10/13 | 13:00 | 23.9        | 24.1       | 23.7        | 77         | 19.6 | 1.6           | E   | 1.61        | 11.3        | ENE       | 23.9          | 24.9          | 24.9 | 755.9 | 0.0  | 0.0          | 178           | 15.31           | 468                 | 1.1         |
| 2/10/13 | 14:00 | 23.9        | 24.3       | 23.6        | 79         | 20.0 | 9.7           | ENE | 9.66        | 20.9        | ENE       | 23.9          | 24.9          | 24.0 | 755.1 | 0.0  | 0.0          | 224           | 19.27           | 380                 | 1.1         |
| 2/10/13 | 15:00 | 23.7        | 24.1       | 23.3        | 77         | 19.4 | 9.7           | ENE | 9.66        | 17.7        | ENE       | 23.7          | 24.7          | 23.8 | 754.8 | 0.0  | 0.0          | 222           | 19.09           | 533                 | 0.9         |
| 2/10/13 | 16:00 | 23.7        | 23.9       | 23.3        | 79         | 19.8 | 3.2           | ENE | 3.22        | 12.9        | ENE       | 23.7          | 24.7          | 24.7 | 754.6 | 0.0  | 0.0          | 140           | 12.04           | 229                 | 0.4         |
| 2/10/13 | 17:00 | 23.1        | 23.3       | 22.8        | 81         | 19.6 | 1.6           | ENE | 1.61        | 12.9        | ENE       | 23.1          | 24.1          | 24.1 | 754.5 | 0.0  | 0.0          | 60            | 5.16            | 83                  | 0.0         |
| 2/10/13 | 18:00 | 22.4        | 22.8       | 21.7        | 85         | 19.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.4          | 23.4          | 23.4 | 754.4 | 0.0  | 0.0          | 10            | 0.86            | 39                  | 0.0         |
| 2/10/13 | 19:00 | 21.6        | 21.7       | 21.3        | 89         | 19.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.6          | 22.6          | 22.6 | 754.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 2/10/13 | 20:00 | 21.8        | 22.0       | 21.3        | 90         | 20.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.8          | 22.8          | 22.8 | 755.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 2/10/13 | 21:00 | 22.0        | 22.1       | 21.8        | 92         | 20.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.0          | 23.2          | 23.2 | 755.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 2/10/13 | 22:00 | 22.4        | 22.6       | 22.0        | 93         | 21.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.4          | 23.7          | 23.7 | 755.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 2/10/13 | 23:00 | 22.7        | 22.9       | 22.6        | 93         | 21.5 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.7          | 23.9          | 23.9 | 755.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 3/10/13

| 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 |
|---------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 3/10/13 | 5:00  | 23.4        | 23.8       | 23.1        | 99         | 23.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.4          | 25.4          | 25.4 | 755.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 3/10/13 | 6:00  | 23.9        | 24.1       | 23.7        | 98         | 23.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.9          | 25.9          | 25.9 | 755.8 | 0.0  | 0.0          | 7             | 0.60            | 21                  | 0.0         |
| 3/10/13 | 7:00  | 24.2        | 24.7       | 23.8        | 98         | 23.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 24.2          | 26.4          | 26.4 | 756.5 | 0.0  | 0.0          | 34            | 2.92            | 77                  | 0.0         |
| 3/10/13 | 8:00  | 25.2        | 25.6       | 24.6        | 92         | 23.8 | 0.0           | --- | 0.00        | 0.0         | ---       | 25.2          | 27.6          | 27.6 | 756.6 | 0.0  | 0.0          | 107           | 9.20            | 181                 | 0.4         |
| 3/10/13 | 9:00  | 25.0        | 25.5       | 24.5        | 93         | 23.8 | 0.0           | --- | 0.00        | 0.0         | ---       | 25.0          | 27.3          | 27.3 | 756.6 | 2.4  | 42.0         | 114           | 9.81            | 188                 | 0.5         |
| 3/10/13 | 10:00 | 25.1        | 25.6       | 24.5        | 88         | 22.9 | 0.0           | E   | 0.00        | 14.5        | E         | 25.1          | 27.1          | 27.1 | 755.9 | 0.2  | 1.2          | 270           | 23.22           | 544                 | 1.4         |
| 3/10/13 | 11:00 | 25.8        | 26.6       | 25.4        | 83         | 22.7 | 4.8           | ENE | 4.83        | 14.5        | NE        | 25.8          | 28.1          | 28.1 | 755.0 | 0.0  | 0.0          | 291           | 25.03           | 443                 | 1.9         |
| 3/10/13 | 12:00 | 28.3        | 30.4       | 26.6        | 63         | 20.6 | 8.0           | ENE | 8.05        | 25.7        | ENE       | 28.3          | 30.3          | 30.0 | 753.6 | 0.0  | 0.0          | 655           | 56.34           | 829                 | 3.0         |
| 3/10/13 | 13:00 | 30.7        | 31.6       | 29.9        | 54         | 20.3 | 8.0           | NE  | 8.05        | 22.5        | NNE       | 30.7          | 33.2          | 33.0 | 752.4 | 0.0  | 0.0          | 366           | 31.48           | 846                 | 2.0         |
| 3/10/13 | 14:00 | 31.9        | 32.2       | 31.6        | 53         | 21.1 | 9.7           | NNE | 9.66        | 22.5        | NE        | 31.9          | 35.3          | 35.1 | 751.5 | 0.0  | 0.0          | 305           | 26.23           | 667                 | 1.5         |
| 3/10/13 | 15:00 | 31.6        | 32.2       | 30.9        | 55         | 21.5 | 8.0           | NNE | 8.05        | 17.7        | N         | 31.6          | 35.2          | 35.1 | 751.1 | 0.0  | 0.0          | 163           | 14.02           | 278                 | 0.7         |
| 3/10/13 | 16:00 | 30.3        | 30.9       | 29.6        | 60         | 21.7 | 8.0           | N   | 8.05        | 17.7        | N         | 30.3          | 33.7          | 33.5 | 751.2 | 0.0  | 0.0          | 99            | 8.52            | 211                 | 0.3         |
| 3/10/13 | 17:00 | 24.1        | 29.6       | 21.9        | 88         | 22.0 | 22.5          | WSW | 22.53       | 61.2        | WSW       | 24.1          | 25.9          | 23.2 | 753.1 | 5.0  | 55.4         | 1             | 0.09            | 12                  | 0.0         |
| 3/10/13 | 18:00 | 22.7        | 22.9       | 22.3        | 89         | 20.8 | 14.5          | SW  | 14.48       | 27.4        | SW        | 22.7          | 23.7          | 21.8 | 753.4 | 10.2 | 71.2         | 0             | 0.00            | 0                   | 0.0         |
| 3/10/13 | 19:00 | 23.2        | 23.6       | 22.9        | 91         | 21.7 | 12.9          | SW  | 12.87       | 24.1        | SW        | 23.2          | 24.6          | 23.1 | 753.7 | 0.4  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 3/10/13 | 20:00 | 23.6        | 23.7       | 23.4        | 92         | 22.2 | 9.7           | WSW | 9.66        | 17.7        | SSW       | 23.6          | 25.3          | 24.4 | 755.3 | 8.0  | 81.2         | 0             | 0.00            | 0                   | 0.0         |
| 3/10/13 | 21:00 | 23.6        | 23.9       | 23.4        | 92         | 22.2 | 11.3          | SSW | 11.27       | 33.8        | SW        | 23.6          | 25.3          | 24.1 | 755.3 | 3.8  | 22.0         | 0             | 0.00            | 0                   | 0.0         |
| 3/10/13 | 22:00 | 23.8        | 23.9       | 23.7        | 95         | 22.9 | 8.0           | WSW | 8.05        | 16.1        | SW        | 23.8          | 25.7          | 25.2 | 755.6 | 7.0  | 34.4         | 0             | 0.00            | 0                   | 0.0         |
| 3/10/13 | 23:00 | 24.2        | 24.7       | 23.7        | 94         | 23.2 | 1.6           | SSW | 1.61        | 16.1        | SSW       | 24.2          | 26.3          | 26.3 | 755.6 | 2.0  | 5.0          | 0             | 0.00            | 0                   | 0.0         |
| 4/10/13 | 00:00 | 24.4        | 24.7       | 24.3        | 98         | 24.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 24.4          | 26.8          | 26.8 | 755.1 | 1.8  | 4.4          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 4/10/13

| 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 |
|---------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 4/10/13 | 1:00  | 24.6        | 24.7       | 24.4        | 99         | 24.4 | 0.0           | --- | 0.00        | 0.0         | ---       | 24.6          | 27.1          | 27.1 | 754.6 | 1.8  | 5.0          | 0             | 0.00            | 0                   | 0.0         |
| 4/10/13 | 2:00  | 24.6        | 24.8       | 24.4        | 99         | 24.4 | 0.0           | --- | 0.00        | 0.0         | ---       | 24.6          | 27.2          | 27.2 | 753.8 | 0.2  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 4/10/13 | 3:00  | 24.3        | 24.6       | 24.2        | 100        | 24.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 24.3          | 26.7          | 26.7 | 754.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 4/10/13 | 4:00  | 24.6        | 24.8       | 24.3        | 100        | 24.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 24.6          | 27.1          | 27.1 | 754.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 4/10/13 | 5:00  | 24.9        | 25.2       | 24.6        | 100        | 24.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 24.9          | 27.8          | 27.8 | 755.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 4/10/13 | 6:00  | 25.0        | 25.3       | 24.9        | 100        | 25.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 25.0          | 28.0          | 28.0 | 756.0 | 0.4  | 0.0          | 3             | 0.26            | 18                  | 0.0         |
| 4/10/13 | 7:00  | 25.4        | 25.9       | 25.0        | 99         | 25.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 25.4          | 28.7          | 28.7 | 756.3 | 0.0  | 0.0          | 55            | 4.73            | 143                 | 0.0         |
| 4/10/13 | 8:00  | 25.8        | 26.1       | 25.6        | 94         | 24.7 | 8.0           | WSW | 8.05        | 24.1        | WSW       | 25.8          | 29.0          | 28.6 | 756.8 | 0.0  | 0.0          | 126           | 10.84           | 227                 | 0.4         |
| 4/10/13 | 9:00  | 25.7        | 26.0       | 25.4        | 89         | 23.7 | 14.5          | WSW | 14.48       | 27.4        | WSW       | 25.7          | 28.3          | 26.9 | 757.3 | 0.0  | 0.0          | 202           | 17.37           | 368                 | 0.8         |
| 4/10/13 | 10:00 | 24.4        | 25.6       | 23.4        | 86         | 21.9 | 16.1          | WSW | 16.09       | 32.2        | WSW       | 24.4          | 26.2          | 24.3 | 757.7 | 0.0  | 0.0          | 206           | 17.72           | 329                 | 1.0         |
| 4/10/13 | 11:00 | 23.5        | 23.7       | 23.3        | 82         | 20.2 | 17.7          | WSW | 17.70       | 32.2        | WSW       | 23.5          | 24.6          | 22.4 | 757.8 | 0.0  | 0.0          | 255           | 21.93           | 428                 | 1.3         |
| 4/10/13 | 12:00 | 23.6        | 23.8       | 23.3        | 76         | 19.1 | 17.7          | WSW | 17.70       | 29.0        | WSW       | 23.6          | 24.6          | 22.3 | 757.4 | 0.0  | 0.0          | 248           | 21.33           | 396                 | 1.3         |
| 4/10/13 | 13:00 | 24.1        | 24.3       | 23.7        | 71         | 18.5 | 16.1          | WSW | 16.09       | 29.0        | WSW       | 24.1          | 25.1          | 23.2 | 756.9 | 0.0  | 0.0          | 289           | 24.86           | 406                 | 1.4         |
| 4/10/13 | 14:00 | 24.2        | 24.3       | 23.8        | 72         | 18.8 | 12.9          | WSW | 12.87       | 24.1        | WSW       | 24.2          | 25.2          | 23.8 | 756.0 | 0.0  | 0.0          | 174           | 14.97           | 223                 | 0.8         |
| 4/10/13 | 15:00 | 23.5        | 23.8       | 23.2        | 74         | 18.6 | 9.7           | WSW | 9.66        | 22.5        | WSW       | 23.5          | 24.5          | 23.6 | 755.9 | 0.0  | 0.0          | 113           | 9.72            | 171                 | 0.5         |
| 4/10/13 | 16:00 | 22.6        | 23.2       | 22.3        | 77         | 18.4 | 4.8           | WSW | 4.83        | 14.5        | WSW       | 22.6          | 23.5          | 23.5 | 755.7 | 0.0  | 0.0          | 51            | 4.39            | 69                  | 0.1         |
| 4/10/13 | 17:00 | 22.1        | 22.3       | 21.6        | 80         | 18.4 | 6.4           | W   | 6.44        | 16.1        | WSW       | 22.1          | 23.1          | 23.0 | 756.1 | 0.0  | 0.0          | 29            | 2.49            | 70                  | 0.0         |
| 4/10/13 | 18:00 | 21.2        | 21.6       | 20.9        | 83         | 18.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.2          | 22.2          | 22.2 | 756.3 | 0.0  | 0.0          | 1             | 0.09            | 5                   | 0.0         |
| 4/10/13 | 19:00 | 20.7        | 20.9       | 20.4        | 81         | 17.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 20.7          | 21.7          | 21.7 | 757.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 4/10/13 | 20:00 | 19.8        | 20.4       | 19.2        | 81         | 16.4 | 0.0           | --- | 0.00        | 0.0         | ---       | 19.8          | 20.8          | 20.8 | 757.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 4/10/13 | 21:00 | 19.1        | 19.2       | 18.9        | 81         | 15.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 19.1          | 19.9          | 19.9 | 757.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 4/10/13 | 22:00 | 18.5        | 18.9       | 18.2        | 82         | 15.4 | 0.0           | --- | 0.00        | 0.0         | ---       | 18.5          | 19.2          | 19.2 | 758.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 4/10/13 | 23:00 | 17.9        | 18.2       | 17.1        | 83         | 15.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 17.9          | 18.6          | 18.6 | 758.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 5/10/13 | 00:00 | 17.0        | 17.2       | 16.9        | 81         | 13.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 17.0          | 17.4          | 17.4 | 758.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 5/10/13

| 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 |
|---------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 5/10/13 | 1:00  | 16.8        | 17.1       | 16.4        | 77         | 12.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 16.8          | 16.9          | 16.9 | 757.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 5/10/13 | 2:00  | 15.8        | 16.4       | 15.1        | 79         | 12.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 15.8          | 15.9          | 15.9 | 757.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 5/10/13 | 3:00  | 14.7        | 15.1       | 14.3        | 80         | 11.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 14.7          | 14.7          | 14.7 | 758.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 5/10/13 | 4:00  | 13.9        | 14.4       | 13.5        | 83         | 11.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 13.9          | 14.0          | 14.0 | 758.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 5/10/13 | 5:00  | 13.3        | 13.6       | 13.0        | 84         | 10.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 13.3          | 13.3          | 13.3 | 759.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 5/10/13 | 6:00  | 13.1        | 13.9       | 12.8        | 83         | 10.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 13.1          | 13.1          | 13.1 | 759.5 | 0.0  | 0.0          | 43            | 3.70            | 127                 | 0.0         |
| 5/10/13 | 7:00  | 14.9        | 16.1       | 13.9        | 75         | 10.5 | 9.7           | WSW | 9.66        | 22.5        | WSW       | 14.0          | 14.7          | 13.1 | 759.8 | 0.0  | 0.0          | 224           | 19.27           | 318                 | 0.3         |
| 5/10/13 | 8:00  | 17.3        | 18.5       | 16.1        | 62         | 10.0 | 17.7          | SW  | 17.70       | 27.4        | SW        | 16.2          | 16.9          | 13.9 | 760.0 | 0.0  | 0.0          | 406           | 34.92           | 487                 | 0.9         |
| 5/10/13 | 9:00  | 19.5        | 20.2       | 18.6        | 56         | 10.5 | 14.5          | SW  | 14.48       | 27.4        | SW        | 19.2          | 19.1          | 16.7 | 759.8 | 0.0  | 0.0          | 562           | 48.34           | 626                 | 1.8         |
| 5/10/13 | 10:00 | 20.8        | 21.6       | 20.2        | 53         | 10.8 | 8.0           | SW  | 8.05        | 24.1        | SW        | 20.8          | 20.1          | 19.4 | 759.6 | 0.0  | 0.0          | 680           | 58.49           | 725                 | 2.7         |
| 5/10/13 | 11:00 | 21.8        | 22.5       | 21.4        | 44         | 9.0  | 8.0           | SSW | 8.05        | 27.4        | SSW       | 21.8          | 20.8          | 20.3 | 759.3 | 0.0  | 0.0          | 750           | 64.51           | 765                 | 3.4         |
| 5/10/13 | 12:00 | 23.0        | 23.6       | 22.3        | 43         | 9.7  | 8.0           | S   | 8.05        | 22.5        | SSW       | 23.0          | 22.3          | 21.8 | 758.6 | 0.0  | 0.0          | 765           | 65.80           | 774                 | 3.7         |
| 5/10/13 | 13:00 | 23.9        | 24.3       | 23.4        | 41         | 9.9  | 9.7           | SSW | 9.66        | 24.1        | SSW       | 23.9          | 23.1          | 22.2 | 757.9 | 0.0  | 0.0          | 725           | 62.36           | 757                 | 3.3         |
| 5/10/13 | 14:00 | 24.6        | 25.0       | 24.1        | 36         | 8.5  | 9.7           | SSW | 9.66        | 22.5        | SW        | 24.6          | 23.6          | 22.8 | 757.3 | 0.0  | 0.0          | 630           | 54.19           | 688                 | 2.5         |
| 5/10/13 | 15:00 | 24.9        | 25.3       | 24.7        | 36         | 8.8  | 8.0           | SSW | 8.05        | 22.5        | SSW       | 24.9          | 23.9          | 23.5 | 756.8 | 0.0  | 0.0          | 498           | 42.83           | 568                 | 1.5         |
| 5/10/13 | 16:00 | 25.1        | 25.4       | 24.9        | 32         | 7.2  | 8.0           | SSW | 8.05        | 24.1        | SSW       | 25.1          | 24.1          | 23.7 | 756.7 | 0.0  | 0.0          | 306           | 26.32           | 419                 | 0.7         |
| 5/10/13 | 17:00 | 24.4        | 25.4       | 23.3        | 39         | 9.6  | 8.0           | WSW | 8.05        | 17.7        | SW        | 24.4          | 23.4          | 23.0 | 756.8 | 0.0  | 0.0          | 76            | 6.54            | 220                 | 0.1         |
| 5/10/13 | 18:00 | 21.6        | 23.3       | 19.6        | 54         | 11.8 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.6          | 20.9          | 20.9 | 757.1 | 0.0  | 0.0          | 5             | 0.43            | 14                  | 0.0         |
| 5/10/13 | 19:00 | 18.2        | 19.6       | 17.0        | 68         | 12.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 18.2          | 18.0          | 18.0 | 757.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 5/10/13 | 20:00 | 16.2        | 17.0       | 15.2        | 71         | 11.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 16.2          | 15.8          | 15.8 | 758.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 5/10/13 | 21:00 | 14.8        | 15.2       | 14.7        | 73         | 10.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 14.8          | 14.5          | 14.5 | 758.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 6/10/13

| 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. | UV  |
|---------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-----|
| 6/10/13 | 8:00  | 17.8        | 18.9       | 16.7        | 73         | 12.9 | 9.7           | WSW | 9.66        | 17.7        | WSW       | 17.5          | 17.7          | 16.4 | 759.9 | 0.0  | 0.0          | 382           | 32.86           | 493                 | 0.9 |
| 6/10/13 | 9:00  | 20.5        | 21.6       | 18.9        | 62         | 13.0 | 4.8           | SW  | 4.83        | 16.1        | SW        | 20.5          | 20.5          | 20.5 | 759.8 | 0.0  | 0.0          | 544           | 46.79           | 625                 | 1.7 |
| 6/10/13 | 10:00 | 22.9        | 23.7       | 21.6        | 51         | 12.2 | 8.0           | SSW | 8.05        | 20.9        | SW        | 22.9          | 22.7          | 22.2 | 759.7 | 0.0  | 0.0          | 658           | 56.60           | 725                 | 2.6 |
| 6/10/13 | 11:00 | 24.7        | 25.5       | 23.7        | 42         | 10.9 | 11.3          | SSW | 11.27       | 24.1        | SSW       | 24.7          | 23.9          | 22.9 | 758.9 | 0.0  | 0.0          | 736           | 63.30           | 818                 | 3.3 |
| 6/10/13 | 12:00 | 25.8        | 26.2       | 25.4        | 38         | 10.4 | 6.4           | SSW | 6.44        | 20.9        | SSW       | 25.8          | 25.4          | 25.4 | 758.4 | 0.0  | 0.0          | 755           | 64.94           | 779                 | 3.6 |
| 6/10/13 | 13:00 | 26.4        | 26.9       | 25.8        | 30         | 7.4  | 4.8           | SSW | 4.83        | 17.7        | SW        | 26.4          | 25.4          | 25.4 | 758.1 | 0.0  | 0.0          | 724           | 62.27           | 790                 | 3.1 |
| 6/10/13 | 14:00 | 26.7        | 26.9       | 26.3        | 32         | 8.6  | 3.2           | S   | 3.22        | 17.7        | SW        | 26.7          | 25.9          | 25.9 | 757.3 | 0.0  | 0.0          | 474           | 40.77           | 674                 | 1.9 |
| 6/10/13 | 15:00 | 26.0        | 26.3       | 25.7        | 33         | 8.5  | 8.0           | SW  | 8.05        | 17.7        | SW        | 26.0          | 25.3          | 24.9 | 757.0 | 0.0  | 0.0          | 305           | 26.23           | 428                 | 1.0 |
| 6/10/13 | 16:00 | 25.7        | 26.3       | 25.2        | 36         | 9.5  | 4.8           | SW  | 4.83        | 16.1        | SSW       | 25.7          | 25.1          | 25.1 | 757.7 | 0.0  | 0.0          | 139           | 11.96           | 253                 | 0.4 |
| 6/10/13 | 17:00 | 24.3        | 25.2       | 23.4        | 50         | 13.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 24.3          | 24.3          | 24.3 | 757.8 | 0.0  | 0.0          | 52            | 4.47            | 95                  | 0.0 |
| 6/10/13 | 18:00 | 22.6        | 23.4       | 21.3        | 61         | 14.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.6          | 22.7          | 22.7 | 757.7 | 0.0  | 0.0          | 4             | 0.34            | 19                  | 0.0 |
| 6/10/13 | 19:00 | 20.3        | 21.3       | 19.9        | 63         | 13.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 20.3          | 20.3          | 20.3 | 758.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0 |
| 6/10/13 | 20:00 | 19.7        | 19.9       | 19.2        | 69         | 13.8 | 0.0           | --- | 0.00        | 0.0         | ---       | 19.7          | 19.6          | 19.6 | 758.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0 |
| 6/10/13 | 21:00 | 18.7        | 19.2       | 18.3        | 71         | 13.4 | 0.0           | --- | 0.00        | 0.0         | ---       | 18.7          | 18.6          | 18.6 | 758.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0 |
| 6/10/13 | 22:00 | 18.2        | 18.3       | 18.2        | 70         | 12.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 18.2          | 17.9          | 17.9 | 758.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0 |
| 6/10/13 | 23:00 | 18.2        | 18.4       | 17.8        | 75         | 13.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 18.2          | 18.3          | 18.3 | 758.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0 |
| 7/10/13 | 00:00 | 16.9        | 17.8       | 16.3        | 84         | 14.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 16.9          | 17.3          | 17.3 | 758.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0 |

## Ivinhema 7/10/13

| 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 |
|---------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 7/10/13 | 1:00  | 16.4        | 16.6       | 16.4        | 84         | 13.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 16.4          | 16.8          | 16.8 | 758.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 7/10/13 | 2:00  | 16.6        | 16.9       | 16.3        | 87         | 14.4 | 0.0           | --- | 0.00        | 0.0         | ---       | 16.6          | 17.0          | 17.0 | 758.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 7/10/13 | 3:00  | 16.8        | 17.3       | 16.4        | 87         | 14.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 16.8          | 17.2          | 17.2 | 758.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 7/10/13 | 4:00  | 15.8        | 16.4       | 15.3        | 88         | 13.8 | 0.0           | --- | 0.00        | 0.0         | ---       | 15.8          | 16.1          | 16.1 | 759.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 7/10/13 | 5:00  | 15.3        | 16.1       | 15.2        | 86         | 13.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 15.3          | 15.6          | 15.6 | 760.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 7/10/13 | 6:00  | 17.6        | 18.2       | 16.2        | 72         | 12.4 | 0.0           | --- | 0.00        | 0.0         | ---       | 17.6          | 17.4          | 17.4 | 761.2 | 0.0  | 0.0          | 45            | 3.87            | 127                 | 0.0         |
| 7/10/13 | 7:00  | 18.5        | 19.1       | 18.2        | 64         | 11.6 | 0.0           | ESE | 0.00        | 1.6         | ESE       | 18.5          | 18.3          | 18.3 | 761.7 | 0.0  | 0.0          | 215           | 18.49           | 303                 | 0.3         |
| 7/10/13 | 8:00  | 19.9        | 20.5       | 19.1        | 56         | 10.8 | 8.0           | SE  | 8.05        | 22.5        | SSE       | 19.9          | 19.5          | 18.8 | 761.8 | 0.0  | 0.0          | 388           | 33.37           | 468                 | 0.9         |
| 7/10/13 | 14:00 | 27.5        | 28.0       | 27.1        | 35         | 10.7 | 4.8           | E   | 4.83        | 17.7        | ENE       | 27.5          | 27.0          | 27.0 | 758.8 | 0.0  | 0.0          | 590           | 50.75           | 690                 | 2.3         |
| 7/10/13 | 15:00 | 27.9        | 28.2       | 27.3        | 37         | 11.9 | 4.8           | E   | 4.83        | 16.1        | E         | 27.9          | 27.7          | 27.7 | 758.5 | 0.0  | 0.0          | 409           | 35.18           | 551                 | 1.3         |
| 7/10/13 | 16:00 | 28.1        | 28.3       | 27.3        | 35         | 11.2 | 1.6           | E   | 1.61        | 14.5        | E         | 28.1          | 27.6          | 27.6 | 758.3 | 0.0  | 0.0          | 311           | 26.75           | 461                 | 0.7         |
| 7/10/13 | 17:00 | 27.6        | 28.3       | 26.7        | 37         | 11.6 | 1.6           | S   | 1.61        | 12.9        | SSE       | 27.6          | 27.3          | 27.3 | 758.3 | 0.0  | 0.0          | 73            | 6.28            | 229                 | 0.1         |
| 7/10/13 | 18:00 | 25.2        | 26.7       | 23.8        | 49         | 13.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 25.2          | 25.2          | 25.2 | 758.5 | 0.0  | 0.0          | 7             | 0.60            | 21                  | 0.0         |
| 7/10/13 | 19:00 | 22.9        | 23.8       | 21.8        | 58         | 14.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.9          | 22.8          | 22.8 | 759.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 7/10/13 | 20:00 | 21.8        | 22.0       | 21.7        | 55         | 12.4 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.8          | 21.4          | 21.4 | 759.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 7/10/13 | 21:00 | 21.1        | 21.7       | 20.4        | 54         | 11.4 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.1          | 20.5          | 20.5 | 759.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 7/10/13 | 22:00 | 20.6        | 21.0       | 19.9        | 56         | 11.5 | 0.0           | --- | 0.00        | 0.0         | ---       | 20.6          | 20.2          | 20.2 | 760.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 7/10/13 | 23:00 | 20.3        | 20.9       | 19.8        | 53         | 10.4 | 6.4           | ESE | 6.44        | 27.4        | ESE       | 20.3          | 19.6          | 19.5 | 760.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 8/10/13 | 00:00 | 20.2        | 20.7       | 19.6        | 57         | 11.4 | 12.9          | ESE | 12.87       | 29.0        | E         | 20.2          | 19.9          | 18.1 | 760.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 8/10/13

| 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 |
|---------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 8/10/13 | 1:00  | 18.9        | 19.6       | 18.3        | 60         | 11.0 | 11.3          | ESE | 11.27       | 22.5        | SE        | 18.7          | 18.7          | 17.1 | 760.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 8/10/13 | 2:00  | 17.9        | 18.3       | 17.4        | 60         | 10.0 | 12.9          | ESE | 12.87       | 33.8        | SSE       | 17.3          | 17.6          | 15.5 | 760.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 8/10/13 | 3:00  | 17.0        | 17.4       | 16.7        | 64         | 10.1 | 11.3          | ESE | 11.27       | 22.5        | SE        | 16.3          | 16.6          | 14.8 | 760.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 8/10/13 | 4:00  | 16.2        | 16.7       | 15.8        | 68         | 10.3 | 1.6           | ESE | 1.61        | 17.7        | ESE       | 16.2          | 15.7          | 15.7 | 760.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 8/10/13 | 5:00  | 15.7        | 15.8       | 15.4        | 68         | 9.8  | 0.0           | --- | 0.00        | 0.0         | ---       | 15.7          | 15.2          | 15.2 | 761.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 8/10/13 | 6:00  | 15.6        | 16.1       | 15.4        | 66         | 9.3  | 0.0           | --- | 0.00        | 0.0         | ---       | 15.6          | 15.1          | 15.1 | 761.9 | 0.0  | 0.0          | 46            | 3.96            | 127                 | 0.0         |
| 8/10/13 | 7:00  | 16.7        | 17.3       | 16.1        | 62         | 9.3  | 4.8           | ESE | 4.83        | 22.5        | SE        | 16.7          | 16.2          | 15.9 | 762.2 | 0.0  | 0.0          | 219           | 18.84           | 308                 | 0.3         |
| 8/10/13 | 8:00  | 18.3        | 19.3       | 17.3        | 55         | 9.1  | 9.7           | ESE | 9.66        | 22.5        | E         | 18.2          | 17.6          | 16.3 | 762.2 | 0.0  | 0.0          | 393           | 33.80           | 475                 | 0.9         |
| 8/10/13 | 9:00  | 20.4        | 21.4       | 19.3        | 50         | 9.6  | 8.0           | SE  | 8.05        | 20.9        | SE        | 20.4          | 19.4          | 18.7 | 762.0 | 0.0  | 0.0          | 547           | 47.05           | 611                 | 1.8         |
| 8/10/13 | 10:00 | 22.2        | 22.9       | 21.3        | 48         | 10.6 | 6.4           | E   | 6.44        | 17.7        | E         | 22.2          | 21.3          | 21.3 | 761.4 | 0.0  | 0.0          | 661           | 56.85           | 704                 | 2.7         |
| 8/10/13 | 11:00 | 23.7        | 24.2       | 22.8        | 47         | 11.7 | 8.0           | E   | 8.05        | 17.7        | ENE       | 23.7          | 23.4          | 22.9 | 760.7 | 0.0  | 0.0          | 729           | 62.70           | 746                 | 3.4         |
| 8/10/13 | 12:00 | 24.9        | 25.5       | 24.2        | 45         | 12.2 | 8.0           | E   | 8.05        | 16.1        | E         | 24.9          | 24.4          | 24.0 | 759.8 | 0.0  | 0.0          | 745           | 64.08           | 750                 | 3.6         |
| 8/10/13 | 13:00 | 25.9        | 26.6       | 25.4        | 43         | 12.4 | 6.4           | E   | 6.44        | 17.7        | E         | 25.9          | 25.8          | 25.8 | 758.9 | 0.0  | 0.0          | 706           | 60.72           | 734                 | 3.1         |
| 8/10/13 | 14:00 | 26.7        | 27.2       | 26.3        | 43         | 13.1 | 4.8           | E   | 4.83        | 16.1        | E         | 26.7          | 26.7          | 26.7 | 758.1 | 0.0  | 0.0          | 616           | 52.98           | 669                 | 2.3         |
| 8/10/13 | 15:00 | 27.2        | 27.4       | 26.8        | 43         | 13.5 | 4.8           | E   | 4.83        | 14.5        | ESE       | 27.2          | 27.2          | 27.2 | 757.4 | 0.0  | 0.0          | 482           | 41.46           | 552                 | 1.4         |
| 8/10/13 | 16:00 | 27.2        | 27.4       | 26.9        | 45         | 14.3 | 4.8           | E   | 4.83        | 12.9        | E         | 27.2          | 27.3          | 27.3 | 757.0 | 0.0  | 0.0          | 297           | 25.55           | 401                 | 0.7         |
| 8/10/13 | 17:00 | 26.5        | 27.1       | 25.7        | 53         | 16.1 | 0.0           | E   | 0.00        | 9.7         | E         | 26.5          | 26.8          | 26.8 | 757.1 | 0.0  | 0.0          | 73            | 6.28            | 199                 | 0.1         |
| 8/10/13 | 18:00 | 24.6        | 25.7       | 23.1        | 64         | 17.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 24.6          | 25.0          | 25.0 | 757.1 | 0.0  | 0.0          | 7             | 0.60            | 21                  | 0.0         |
| 8/10/13 | 19:00 | 22.1        | 23.1       | 21.8        | 69         | 16.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.1          | 22.3          | 22.3 | 757.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 8/10/13 | 20:00 | 21.5        | 22.0       | 20.2        | 76         | 17.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.5          | 22.1          | 22.1 | 757.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 8/10/13 | 21:00 | 20.1        | 20.8       | 19.6        | 76         | 15.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 20.1          | 20.7          | 20.7 | 757.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 8/10/13 | 22:00 | 20.8        | 21.0       | 20.2        | 78         | 16.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 20.8          | 21.6          | 21.6 | 757.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 8/10/13 | 23:00 | 19.9        | 20.2       | 19.5        | 77         | 15.8 | 0.0           | --- | 0.00        | 0.0         | ---       | 19.9          | 20.7          | 20.7 | 757.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 9/10/13 | 00:00 | 20.3        | 21.1       | 19.5        | 68         | 14.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 20.3          | 20.3          | 20.3 | 757.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |



## Ivinhema 9/10/13

| 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 |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 9/10/13  | 1:00  | 20.9        | 21.1       | 20.6        | 69         | 15.0 | 0.0           | SE  | 0.00        | 1.6         | SE        | 20.9          | 20.9          | 20.9 | 757.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 9/10/13  | 2:00  | 20.4        | 20.7       | 20.2        | 71         | 15.0 | 6.4           | ESE | 6.44        | 17.7        | ESE       | 20.4          | 20.6          | 20.5 | 757.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 9/10/13  | 3:00  | 19.7        | 20.2       | 19.3        | 71         | 14.3 | 6.4           | ESE | 6.44        | 24.1        | SE        | 19.7          | 19.8          | 19.6 | 757.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 9/10/13  | 4:00  | 18.8        | 19.3       | 18.2        | 75         | 14.3 | 9.7           | E   | 9.66        | 22.5        | E         | 18.8          | 19.2          | 17.9 | 758.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 9/10/13  | 5:00  | 17.5        | 18.2       | 17.2        | 77         | 13.4 | 0.0           | E   | 0.00        | 12.9        | E         | 17.5          | 17.7          | 17.7 | 758.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 9/10/13  | 6:00  | 17.2        | 17.9       | 17.0        | 76         | 13.0 | 0.0           | E   | 0.00        | 1.6         | E         | 17.2          | 17.3          | 17.3 | 759.5 | 0.0  | 0.0          | 44            | 3.78            | 123                 | 0.0         |
| 9/10/13  | 7:00  | 18.6        | 19.2       | 17.9        | 69         | 12.8 | 8.0           | ESE | 8.05        | 25.7        | E         | 18.6          | 18.3          | 17.5 | 760.1 | 0.0  | 0.0          | 215           | 18.49           | 303                 | 0.3         |
| 9/10/13  | 8:00  | 20.1        | 20.8       | 19.2        | 65         | 13.3 | 12.9          | ESE | 12.87       | 33.8        | E         | 20.1          | 20.1          | 18.1 | 760.3 | 0.0  | 0.0          | 390           | 33.54           | 472                 | 0.9         |
| 9/10/13  | 9:00  | 21.4        | 22.2       | 20.8        | 62         | 13.9 | 16.1          | E   | 16.09       | 32.2        | E         | 21.4          | 21.4          | 19.1 | 759.8 | 0.0  | 0.0          | 543           | 46.70           | 609                 | 1.8         |
| 9/10/13  | 10:00 | 22.9        | 23.8       | 22.2        | 57         | 14.0 | 12.9          | E   | 12.87       | 25.7        | E         | 22.9          | 22.9          | 21.3 | 759.5 | 0.0  | 0.0          | 661           | 56.85           | 702                 | 2.8         |
| 9/10/13  | 11:00 | 24.6        | 25.5       | 23.8        | 55         | 14.9 | 9.7           | ESE | 9.66        | 22.5        | NE        | 24.6          | 24.6          | 23.8 | 759.0 | 0.0  | 0.0          | 729           | 62.70           | 746                 | 3.5         |
| 9/10/13  | 12:00 | 26.6        | 27.3       | 25.5        | 49         | 15.0 | 12.9          | E   | 12.87       | 33.8        | ESE       | 26.6          | 26.6          | 25.6 | 758.1 | 0.0  | 0.0          | 748           | 64.34           | 751                 | 3.7         |
| 9/10/13  | 13:00 | 27.8        | 28.4       | 27.1        | 46         | 15.1 | 14.5          | E   | 14.48       | 33.8        | E         | 27.8          | 28.2          | 27.1 | 757.4 | 0.0  | 0.0          | 710           | 61.07           | 737                 | 3.3         |
| 9/10/13  | 14:00 | 28.4        | 28.8       | 28.0        | 44         | 15.0 | 11.3          | E   | 11.27       | 29.0        | ENE       | 28.4          | 28.8          | 28.2 | 756.6 | 0.0  | 0.0          | 620           | 53.33           | 670                 | 2.4         |
| 9/10/13  | 15:00 | 28.7        | 28.9       | 28.4        | 42         | 14.5 | 11.3          | ESE | 11.27       | 17.7        | E         | 28.7          | 28.9          | 28.2 | 756.1 | 0.0  | 0.0          | 488           | 41.97           | 558                 | 1.5         |
| 9/10/13  | 16:00 | 28.7        | 28.9       | 28.6        | 47         | 16.3 | 9.7           | E   | 9.66        | 22.5        | ESE       | 28.7          | 29.4          | 29.0 | 755.9 | 0.0  | 0.0          | 306           | 26.32           | 412                 | 0.7         |
| 9/10/13  | 17:00 | 28.2        | 28.6       | 27.3        | 55         | 18.3 | 3.2           | E   | 3.22        | 14.5        | E         | 28.2          | 29.3          | 29.3 | 755.8 | 0.0  | 0.0          | 70            | 6.02            | 202                 | 0.1         |
| 9/10/13  | 18:00 | 26.2        | 27.3       | 25.2        | 61         | 18.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 26.2          | 27.2          | 27.2 | 755.9 | 0.0  | 0.0          | 6             | 0.52            | 16                  | 0.0         |
| 9/10/13  | 19:00 | 24.5        | 25.2       | 23.4        | 68         | 18.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 24.5          | 25.3          | 25.3 | 756.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 9/10/13  | 20:00 | 23.0        | 23.4       | 22.8        | 72         | 17.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.0          | 23.9          | 23.9 | 756.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 9/10/13  | 21:00 | 21.6        | 22.7       | 19.9        | 81         | 18.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.6          | 22.6          | 22.6 | 757.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 9/10/13  | 22:00 | 20.1        | 20.7       | 19.9        | 80         | 16.5 | 0.0           | --- | 0.00        | 0.0         | ---       | 20.1          | 21.1          | 21.1 | 757.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 9/10/13  | 23:00 | 20.7        | 21.3       | 20.2        | 80         | 17.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 20.7          | 21.7          | 21.7 | 756.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 10/10/13 | 00:00 | 20.0        | 20.8       | 19.1        | 81         | 16.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 20.0          | 21.0          | 21.0 | 756.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 10/10/13

| 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 |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 10/10/13 | 1:00  | 18.8        | 19.7       | 18.1        | 85         | 16.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 18.8          | 19.7          | 19.7 | 756.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 10/10/13 | 2:00  | 19.1        | 19.9       | 18.1        | 82         | 15.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 19.1          | 19.9          | 19.9 | 756.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 10/10/13 | 3:00  | 17.9        | 19.5       | 17.5        | 78         | 14.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 17.9          | 18.3          | 18.3 | 756.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 10/10/13 | 4:00  | 19.8        | 19.9       | 19.5        | 73         | 14.9 | 0.0           | ESE | 0.00        | 12.9        | E         | 19.8          | 20.1          | 20.1 | 756.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 10/10/13 | 5:00  | 19.4        | 19.8       | 18.2        | 77         | 15.3 | 1.6           | ESE | 1.61        | 20.9        | E         | 19.4          | 20.1          | 20.1 | 757.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 10/10/13 | 6:00  | 17.7        | 18.5       | 17.3        | 79         | 14.0 | 0.0           | E   | 0.00        | 1.6         | E         | 17.7          | 18.1          | 18.1 | 757.6 | 0.0  | 0.0          | 27            | 2.32            | 91                  | 0.0         |
| 10/10/13 | 7:00  | 19.7        | 21.0       | 18.5        | 73         | 14.7 | 0.0           | E   | 0.00        | 16.1        | E         | 19.7          | 20.0          | 20.0 | 758.4 | 0.0  | 0.0          | 173           | 14.88           | 357                 | 0.3         |
| 10/10/13 | 8:00  | 21.6        | 22.5       | 21.0        | 67         | 15.2 | 12.9          | E   | 12.87       | 27.4        | E         | 21.6          | 21.6          | 19.8 | 758.3 | 0.0  | 0.0          | 315           | 27.09           | 514                 | 0.8         |
| 10/10/13 | 9:00  | 23.3        | 24.1       | 22.5        | 63         | 15.9 | 14.5          | E   | 14.48       | 25.7        | ENE       | 23.3          | 23.6          | 21.8 | 757.9 | 0.0  | 0.0          | 485           | 41.72           | 570                 | 1.6         |
| 10/10/13 | 10:00 | 24.7        | 25.4       | 24.1        | 60         | 16.4 | 11.3          | ESE | 11.27       | 25.7        | ENE       | 24.7          | 24.7          | 23.7 | 757.5 | 0.0  | 0.0          | 542           | 46.62           | 626                 | 2.2         |
| 10/10/13 | 11:00 | 26.3        | 27.3       | 25.4        | 55         | 16.5 | 14.5          | E   | 14.48       | 29.0        | ENE       | 26.3          | 26.8          | 25.5 | 756.8 | 0.0  | 0.0          | 586           | 50.40           | 813                 | 2.6         |
| 10/10/13 | 12:00 | 27.3        | 27.8       | 26.9        | 55         | 17.4 | 12.9          | ESE | 12.87       | 27.4        | ESE       | 27.3          | 27.9          | 26.9 | 756.4 | 0.0  | 0.0          | 649           | 55.82           | 811                 | 3.0         |
| 10/10/13 | 13:00 | 28.1        | 28.4       | 27.7        | 52         | 17.3 | 11.3          | ESE | 11.27       | 22.5        | ESE       | 28.1          | 29.1          | 28.4 | 756.2 | 0.0  | 0.0          | 558           | 47.99           | 709                 | 2.4         |
| 10/10/13 | 14:00 | 28.5        | 28.8       | 28.3        | 49         | 16.7 | 11.3          | ESE | 11.27       | 24.1        | SE        | 28.5          | 29.4          | 28.7 | 755.9 | 0.0  | 0.0          | 460           | 39.57           | 547                 | 1.8         |
| 10/10/13 | 15:00 | 27.9        | 28.4       | 27.7        | 47         | 15.6 | 8.0           | ESE | 8.05        | 17.7        | SE        | 27.9          | 28.6          | 28.3 | 755.8 | 0.0  | 0.0          | 256           | 22.02           | 364                 | 0.9         |
| 10/10/13 | 16:00 | 27.6        | 27.9       | 27.3        | 52         | 16.9 | 0.0           | ESE | 0.00        | 9.7         | ESE       | 27.6          | 28.3          | 28.3 | 755.8 | 0.0  | 0.0          | 172           | 14.79           | 250                 | 0.5         |
| 10/10/13 | 22:00 | 22.7        | 23.6       | 21.0        | 71         | 17.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.7          | 23.4          | 23.4 | 756.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 10/10/13 | 23:00 | 20.7        | 21.0       | 20.3        | 74         | 15.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 20.7          | 21.1          | 21.1 | 755.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 11/10/13 | 00:00 | 19.8        | 20.6       | 19.5        | 74         | 15.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 19.8          | 20.2          | 20.2 | 755.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 11/10/13

| 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 |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 11/10/13 | 1:00  | 20.7        | 20.9       | 20.3        | 76         | 16.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 20.7          | 21.3          | 21.3 | 755.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 11/10/13 | 2:00  | 19.7        | 20.6       | 19.1        | 81         | 16.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 19.7          | 20.7          | 20.7 | 755.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 11/10/13 | 8:00  | 23.0        | 23.7       | 22.4        | 58         | 14.3 | 4.8           | E   | 4.83        | 22.5        | E         | 23.0          | 23.0          | 23.0 | 757.7 | 0.0  | 0.0          | 286           | 24.60           | 421                 | 0.8         |
| 11/10/13 | 9:00  | 23.6        | 23.7       | 23.4        | 59         | 15.1 | 14.5          | E   | 14.48       | 29.0        | E         | 23.6          | 23.6          | 21.8 | 757.5 | 0.0  | 0.0          | 254           | 21.85           | 370                 | 1.0         |
| 11/10/13 | 10:00 | 24.9        | 26.2       | 23.7        | 50         | 13.8 | 11.3          | E   | 11.27       | 24.1        | NE        | 24.9          | 24.9          | 23.9 | 757.3 | 0.0  | 0.0          | 471           | 40.51           | 644                 | 2.1         |
| 11/10/13 | 11:00 | 26.6        | 26.8       | 26.1        | 51         | 15.6 | 11.3          | E   | 11.27       | 24.1        | E         | 26.6          | 26.7          | 25.8 | 757.0 | 0.0  | 0.0          | 543           | 46.70           | 662                 | 2.4         |
| 11/10/13 | 12:00 | 25.9        | 26.7       | 25.3        | 59         | 17.3 | 3.2           | ESE | 3.22        | 17.7        | SE        | 25.9          | 26.6          | 26.6 | 757.0 | 0.0  | 0.0          | 183           | 15.74           | 340                 | 0.9         |
| 11/10/13 | 13:00 | 25.2        | 25.3       | 25.0        | 57         | 16.0 | 1.6           | E   | 1.61        | 12.9        | ESE       | 25.2          | 25.3          | 25.3 | 756.4 | 0.0  | 0.0          | 173           | 14.88           | 218                 | 0.9         |
| 11/10/13 | 14:00 | 24.9        | 25.1       | 24.6        | 59         | 16.3 | 0.0           | E   | 0.00        | 12.9        | E         | 24.9          | 24.9          | 24.9 | 756.3 | 0.0  | 0.0          | 73            | 6.28            | 106                 | 0.4         |
| 11/10/13 | 15:00 | 25.2        | 25.8       | 24.6        | 55         | 15.5 | 0.0           | --- | 0.00        | 0.0         | ---       | 25.2          | 25.3          | 25.3 | 755.8 | 0.0  | 0.0          | 113           | 9.72            | 128                 | 0.4         |
| 11/10/13 | 16:00 | 25.4        | 25.7       | 25.0        | 62         | 17.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 25.4          | 26.0          | 26.0 | 755.6 | 0.0  | 0.0          | 82            | 7.05            | 125                 | 0.2         |
| 11/10/13 | 17:00 | 24.7        | 25.0       | 24.1        | 67         | 18.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 24.7          | 25.4          | 25.4 | 755.7 | 0.0  | 0.0          | 19            | 1.63            | 42                  | 0.0         |
| 11/10/13 | 18:00 | 23.3        | 24.1       | 22.9        | 72         | 17.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.3          | 24.3          | 24.3 | 756.0 | 0.0  | 0.0          | 1             | 0.09            | 5                   | 0.0         |
| 11/10/13 | 19:00 | 22.7        | 23.1       | 21.7        | 78         | 18.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.7          | 23.7          | 23.7 | 756.6 | 0.2  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 11/10/13 | 20:00 | 21.7        | 21.9       | 21.6        | 82         | 18.5 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.7          | 22.7          | 22.7 | 756.8 | 0.2  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 11/10/13 | 21:00 | 21.3        | 22.0       | 20.8        | 85         | 18.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.3          | 22.3          | 22.3 | 757.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 11/10/13 | 22:00 | 21.1        | 21.2       | 20.9        | 82         | 17.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.1          | 22.1          | 22.1 | 757.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 11/10/13 | 23:00 | 21.3        | 21.6       | 20.8        | 84         | 18.5 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.3          | 22.3          | 22.3 | 756.6 | 0.2  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 12/10/13 | 00:00 | 21.0        | 21.2       | 20.8        | 84         | 18.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.0          | 22.0          | 22.0 | 755.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 12/10/13

| 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 |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 12/10/13 | 1:00  | 20.8        | 21.1       | 20.5        | 88         | 18.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 20.8          | 21.8          | 21.8 | 756.1 | 0.4  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 12/10/13 | 2:00  | 21.2        | 21.4       | 21.0        | 90         | 19.5 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.2          | 22.2          | 22.2 | 755.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 12/10/13 | 3:00  | 21.7        | 22.4       | 21.2        | 88         | 19.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.7          | 22.7          | 22.7 | 755.3 | 0.2  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 12/10/13 | 4:00  | 22.0        | 22.4       | 21.8        | 90         | 20.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.0          | 23.0          | 23.0 | 755.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 12/10/13 | 5:00  | 21.4        | 22.0       | 21.1        | 91         | 19.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.4          | 22.6          | 22.6 | 756.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 12/10/13 | 6:00  | 21.3        | 21.6       | 21.2        | 92         | 19.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.3          | 22.5          | 22.5 | 756.6 | 0.0  | 0.0          | 6             | 0.52            | 28                  | 0.0         |
| 12/10/13 | 7:00  | 22.3        | 23.3       | 21.4        | 90         | 20.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.3          | 23.3          | 23.3 | 757.3 | 0.0  | 0.0          | 80            | 6.88            | 155                 | 0.2         |
| 12/10/13 | 8:00  | 24.2        | 24.9       | 23.3        | 76         | 19.7 | 0.0           | E   | 0.00        | 1.6         | ESE       | 24.2          | 25.4          | 25.4 | 757.6 | 0.0  | 0.0          | 265           | 22.79           | 505                 | 0.8         |
| 12/10/13 | 9:00  | 24.0        | 24.3       | 23.7        | 66         | 17.3 | 1.6           | E   | 1.61        | 14.5        | ESE       | 24.0          | 24.6          | 24.6 | 757.4 | 0.0  | 0.0          | 511           | 43.95           | 626                 | 1.6         |
| 12/10/13 | 10:00 | 24.9        | 25.9       | 24.2        | 62         | 17.2 | 3.2           | E   | 3.22        | 16.1        | ENE       | 24.9          | 25.2          | 25.2 | 756.6 | 0.0  | 0.0          | 421           | 36.21           | 857                 | 2.1         |
| 12/10/13 | 11:00 | 26.4        | 27.1       | 25.9        | 55         | 16.6 | 8.0           | E   | 8.05        | 20.9        | E         | 26.4          | 26.9          | 26.5 | 756.2 | 0.0  | 0.0          | 478           | 41.11           | 802                 | 2.6         |
| 12/10/13 | 12:00 | 27.8        | 28.4       | 27.1        | 47         | 15.4 | 9.7           | ESE | 9.66        | 20.9        | ESE       | 27.8          | 28.3          | 27.8 | 755.4 | 0.0  | 0.0          | 537           | 46.19           | 1036                | 2.7         |
| 12/10/13 | 13:00 | 28.1        | 28.9       | 27.9        | 47         | 15.7 | 6.4           | ESE | 6.44        | 17.7        | E         | 28.1          | 28.7          | 28.7 | 754.7 | 0.0  | 0.0          | 369           | 31.74           | 662                 | 1.9         |
| 12/10/13 | 14:00 | 29.4        | 30.1       | 28.9        | 44         | 15.9 | 8.0           | ESE | 8.05        | 17.7        | E         | 29.4          | 29.8          | 29.5 | 753.8 | 0.0  | 0.0          | 411           | 35.35           | 781                 | 1.8         |
| 12/10/13 | 15:00 | 28.7        | 29.3       | 28.4        | 49         | 17.0 | 3.2           | ESE | 3.22        | 14.5        | SE        | 28.7          | 29.6          | 29.6 | 753.4 | 0.0  | 0.0          | 207           | 17.80           | 271                 | 0.8         |
| 12/10/13 | 16:00 | 28.6        | 28.9       | 28.1        | 51         | 17.5 | 1.6           | ESE | 1.61        | 12.9        | E         | 28.6          | 29.7          | 29.7 | 753.2 | 0.0  | 0.0          | 163           | 14.02           | 361                 | 0.5         |
| 12/10/13 | 17:00 | 27.4        | 28.1       | 26.2        | 61         | 19.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 27.4          | 28.6          | 28.6 | 753.4 | 0.0  | 0.0          | 48            | 4.13            | 104                 | 0.0         |
| 12/10/13 | 18:00 | 25.8        | 26.2       | 25.5        | 60         | 17.4 | 0.0           | --- | 0.00        | 0.0         | ---       | 25.8          | 26.5          | 26.5 | 753.6 | 0.0  | 0.0          | 1             | 0.09            | 7                   | 0.0         |
| 12/10/13 | 19:00 | 25.4        | 25.7       | 25.1        | 59         | 16.8 | 0.0           | --- | 0.00        | 0.0         | ---       | 25.4          | 25.8          | 25.8 | 754.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 12/10/13 | 20:00 | 25.1        | 25.5       | 23.6        | 69         | 19.0 | 8.0           | WSW | 8.05        | 27.4        | WSW       | 25.1          | 26.0          | 25.6 | 756.7 | 0.4  | 1.0          | 0             | 0.00            | 0                   | 0.0         |
| 12/10/13 | 21:00 | 21.9        | 23.6       | 21.4        | 84         | 19.1 | 8.0           | WSW | 8.05        | 32.2        | NW        | 21.9          | 22.9          | 22.3 | 756.6 | 7.2  | 47.2         | 0             | 0.00            | 0                   | 0.0         |
| 12/10/13 | 22:00 | 21.9        | 22.2       | 21.7        | 87         | 19.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.9          | 22.9          | 22.9 | 757.0 | 0.4  | 2.0          | 0             | 0.00            | 0                   | 0.0         |
| 12/10/13 | 23:00 | 21.9        | 22.1       | 21.7        | 85         | 19.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.9          | 22.9          | 22.9 | 756.2 | 0.2  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 13/10/13

| 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 |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 13/10/13 | 5:00  | 20.2        | 20.8       | 19.5        | 90         | 18.5 | 0.0           | --- | 0.00        | 0.0         | ---       | 20.2          | 21.2          | 21.2 | 755.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 13/10/13 | 6:00  | 19.8        | 21.4       | 19.4        | 90         | 18.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 19.8          | 20.8          | 20.8 | 755.4 | 0.0  | 0.0          | 41            | 3.53            | 167                 | 0.0         |
| 13/10/13 | 7:00  | 22.0        | 22.2       | 21.4        | 83         | 19.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.0          | 23.0          | 23.0 | 755.8 | 0.0  | 0.0          | 144           | 12.39           | 190                 | 0.3         |
| 13/10/13 | 8:00  | 22.3        | 22.6       | 22.0        | 82         | 19.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.3          | 23.3          | 23.3 | 756.4 | 0.0  | 0.0          | 137           | 11.78           | 209                 | 0.4         |
| 13/10/13 | 9:00  | 22.7        | 23.1       | 22.4        | 80         | 19.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.7          | 23.7          | 23.7 | 757.1 | 0.0  | 0.0          | 162           | 13.93           | 197                 | 0.7         |
| 13/10/13 | 10:00 | 23.3        | 23.7       | 23.1        | 77         | 19.1 | 8.0           | NW  | 8.05        | 25.7        | NW        | 23.3          | 24.3          | 23.8 | 757.6 | 0.2  | 0.0          | 202           | 17.37           | 301                 | 0.9         |
| 13/10/13 | 11:00 | 22.6        | 23.7       | 22.0        | 81         | 19.2 | 11.3          | WNW | 11.27       | 25.7        | WNW       | 22.6          | 23.6          | 22.3 | 758.0 | 0.0  | 0.0          | 104           | 8.95            | 296                 | 0.5         |
| 13/10/13 | 12:00 | 22.6        | 23.3       | 22.0        | 73         | 17.5 | 4.8           | WNW | 4.83        | 22.5        | WNW       | 22.6          | 23.2          | 23.2 | 757.4 | 0.0  | 0.0          | 173           | 14.88           | 308                 | 0.8         |
| 13/10/13 | 13:00 | 23.9        | 24.2       | 23.3        | 68         | 17.7 | 16.1          | NNW | 16.09       | 32.2        | N         | 23.9          | 24.7          | 22.8 | 756.2 | 0.0  | 0.0          | 283           | 24.34           | 350                 | 1.4         |
| 13/10/13 | 14:00 | 23.8        | 24.1       | 23.6        | 65         | 16.8 | 8.0           | N   | 8.05        | 20.9        | N         | 23.8          | 24.3          | 23.8 | 755.5 | 0.0  | 0.0          | 159           | 13.68           | 174                 | 0.7         |
| 13/10/13 | 15:00 | 23.8        | 23.9       | 23.7        | 67         | 17.3 | 3.2           | N   | 3.22        | 17.7        | NW        | 23.8          | 24.6          | 24.6 | 754.4 | 0.0  | 0.0          | 139           | 11.96           | 162                 | 0.5         |
| 13/10/13 | 16:00 | 23.6        | 23.8       | 23.3        | 72         | 18.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.6          | 24.6          | 24.6 | 754.1 | 0.0  | 0.0          | 83            | 7.14            | 114                 | 0.3         |
| 13/10/13 | 17:00 | 23.4        | 23.7       | 23.1        | 74         | 18.5 | 0.0           | SSW | 0.00        | 1.6         | SSW       | 23.4          | 24.4          | 24.4 | 755.0 | 0.0  | 0.0          | 83            | 7.14            | 121                 | 0.1         |
| 13/10/13 | 18:00 | 22.7        | 23.1       | 22.3        | 76         | 18.3 | 0.0           | S   | 0.00        | 1.6         | S         | 22.7          | 23.6          | 23.6 | 755.1 | 0.0  | 0.0          | 16            | 1.38            | 48                  | 0.0         |
| 13/10/13 | 19:00 | 21.6        | 22.3       | 20.5        | 82         | 18.4 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.6          | 22.6          | 22.6 | 755.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 13/10/13 | 20:00 | 20.4        | 20.8       | 19.7        | 84         | 17.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 20.4          | 21.4          | 21.4 | 755.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 13/10/13 | 21:00 | 18.9        | 19.8       | 18.7        | 89         | 17.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 18.9          | 19.8          | 19.8 | 756.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 13/10/13 | 22:00 | 19.1        | 19.2       | 18.8        | 89         | 17.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 19.1          | 19.9          | 19.9 | 756.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 13/10/13 | 23:00 | 19.3        | 20.2       | 18.9        | 91         | 17.8 | 0.0           | --- | 0.00        | 0.0         | ---       | 19.3          | 20.2          | 20.2 | 755.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 14/10/13 | 00:00 | 18.6        | 19.9       | 18.2        | 92         | 17.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 18.6          | 19.2          | 19.2 | 756.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 14/10/13

| 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 |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 14/10/13 | 1:00  | 18.8        | 19.1       | 18.5        | 93         | 17.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 18.8          | 19.4          | 19.4 | 755.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 14/10/13 | 2:00  | 19.3        | 19.9       | 18.9        | 94         | 18.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 19.3          | 20.1          | 20.1 | 755.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 14/10/13 | 3:00  | 19.2        | 19.5       | 18.8        | 94         | 18.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 19.2          | 19.9          | 19.9 | 755.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 14/10/13 | 4:00  | 19.2        | 19.9       | 18.6        | 96         | 18.5 | 0.0           | --- | 0.00        | 0.0         | ---       | 19.2          | 19.8          | 19.8 | 755.6 | 0.2  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 14/10/13 | 5:00  | 18.5        | 19.3       | 18.2        | 97         | 18.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 18.5          | 19.1          | 19.1 | 756.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 14/10/13 | 6:00  | 18.8        | 20.1       | 18.3        | 99         | 18.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 18.8          | 19.5          | 19.5 | 757.0 | 0.0  | 0.0          | 38            | 3.27            | 91                  | 0.0         |
| 14/10/13 | 7:00  | 21.2        | 22.3       | 19.9        | 99         | 21.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.2          | 23.1          | 23.1 | 757.4 | 0.0  | 0.0          | 107           | 9.20            | 144                 | 0.3         |
| 14/10/13 | 8:00  | 23.4        | 24.5       | 22.2        | 98         | 23.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.4          | 25.3          | 25.3 | 757.4 | 0.0  | 0.0          | 223           | 19.18           | 470                 | 0.7         |
| 14/10/13 | 9:00  | 24.9        | 25.4       | 24.2        | 82         | 21.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 24.9          | 26.8          | 26.8 | 757.5 | 0.0  | 0.0          | 353           | 30.36           | 424                 | 1.3         |
| 14/10/13 | 10:00 | 24.4        | 25.4       | 24.1        | 68         | 18.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 24.4          | 25.2          | 25.2 | 757.2 | 0.0  | 0.0          | 477           | 41.03           | 589                 | 2.1         |
| 14/10/13 | 11:00 | 26.7        | 27.6       | 25.4        | 63         | 19.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 26.7          | 27.9          | 27.9 | 756.6 | 0.0  | 0.0          | 609           | 52.38           | 693                 | 2.9         |
| 14/10/13 | 12:00 | 28.2        | 28.8       | 27.6        | 59         | 19.4 | 0.0           | SSW | 0.00        | 9.7         | SSW       | 28.2          | 29.4          | 29.4 | 756.2 | 0.0  | 0.0          | 450           | 38.71           | 614                 | 2.3         |
| 14/10/13 | 13:00 | 29.0        | 29.4       | 28.8        | 53         | 18.5 | 1.6           | SSW | 1.61        | 14.5        | SSW       | 29.0          | 30.3          | 30.3 | 755.6 | 0.0  | 0.0          | 465           | 40.00           | 530                 | 2.2         |
| 14/10/13 | 14:00 | 29.8        | 30.2       | 29.4        | 47         | 17.3 | 4.8           | SSW | 4.83        | 17.7        | SW        | 29.8          | 30.6          | 30.6 | 755.1 | 0.0  | 0.0          | 499           | 42.92           | 649                 | 2.0         |
| 14/10/13 | 15:00 | 29.1        | 29.6       | 28.9        | 48         | 17.0 | 3.2           | SSW | 3.22        | 16.1        | SSW       | 29.1          | 29.9          | 29.9 | 754.9 | 0.0  | 0.0          | 238           | 20.47           | 347                 | 1.0         |
| 14/10/13 | 16:00 | 29.1        | 29.3       | 28.6        | 54         | 18.8 | 1.6           | SSW | 1.61        | 16.1        | SW        | 29.1          | 30.5          | 30.5 | 754.6 | 0.0  | 0.0          | 165           | 14.19           | 260                 | 0.5         |
| 14/10/13 | 17:00 | 28.2        | 28.6       | 27.4        | 59         | 19.4 | 1.6           | SSW | 1.61        | 14.5        | SW        | 28.2          | 29.4          | 29.4 | 754.5 | 0.0  | 0.0          | 87            | 7.48            | 132                 | 0.1         |
| 14/10/13 | 18:00 | 26.2        | 27.4       | 24.8        | 68         | 19.8 | 1.6           | SW  | 1.61        | 12.9        | SW        | 26.2          | 27.4          | 27.4 | 754.9 | 0.0  | 0.0          | 8             | 0.69            | 39                  | 0.0         |
| 14/10/13 | 19:00 | 24.6        | 24.8       | 24.2        | 71         | 18.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 24.6          | 25.6          | 25.6 | 755.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 14/10/13 | 20:00 | 23.4        | 24.2       | 22.7        | 76         | 18.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.4          | 24.4          | 24.4 | 755.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 14/10/13 | 21:00 | 22.6        | 22.8       | 22.2        | 78         | 18.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.6          | 23.6          | 23.6 | 755.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 14/10/13 | 22:00 | 22.1        | 22.4       | 21.9        | 79         | 18.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.1          | 23.1          | 23.1 | 756.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 14/10/13 | 23:00 | 22.0        | 22.3       | 21.7        | 81         | 18.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.0          | 23.0          | 23.0 | 755.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 15/10/13 | 00:00 | 21.5        | 21.7       | 21.3        | 83         | 18.5 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.5          | 22.5          | 22.5 | 755.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 15/10/13

| 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 |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 15/10/13 | 1:00  | 21.0        | 21.3       | 20.8        | 85         | 18.4 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.0          | 22.0          | 22.0 | 755.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 15/10/13 | 2:00  | 21.5        | 21.7       | 21.2        | 86         | 19.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.5          | 22.5          | 22.5 | 755.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 15/10/13 | 3:00  | 21.8        | 21.9       | 21.7        | 86         | 19.4 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.8          | 22.8          | 22.8 | 755.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 15/10/13 | 4:00  | 22.2        | 22.4       | 21.7        | 85         | 19.5 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.2          | 23.2          | 23.2 | 755.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 15/10/13 | 5:00  | 22.4        | 22.5       | 22.3        | 87         | 20.1 | 0.0           | W   | 0.00        | 1.6         | W         | 22.4          | 23.4          | 23.4 | 756.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 15/10/13 | 6:00  | 22.7        | 22.9       | 22.5        | 88         | 20.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.7          | 23.7          | 23.7 | 757.0 | 0.0  | 0.0          | 10            | 0.86            | 18                  | 0.0         |
| 15/10/13 | 7:00  | 23.0        | 23.3       | 22.9        | 90         | 21.3 | 6.4           | WSW | 6.44        | 24.1        | WSW       | 23.0          | 24.1          | 24.1 | 757.3 | 0.4  | 0.8          | 38            | 3.27            | 67                  | 0.1         |
| 15/10/13 | 8:00  | 23.7        | 24.1       | 23.2        | 88         | 21.6 | 8.0           | WSW | 8.05        | 20.9        | WSW       | 23.7          | 25.3          | 24.8 | 758.1 | 0.0  | 0.0          | 148           | 12.73           | 271                 | 0.6         |
| 15/10/13 | 9:00  | 24.6        | 25.1       | 24.1        | 76         | 20.1 | 17.7          | SW  | 17.70       | 33.8        | SW        | 24.6          | 26.0          | 24.0 | 758.1 | 0.0  | 0.0          | 361           | 31.05           | 757                 | 1.5         |
| 15/10/13 | 10:00 | 24.7        | 24.9       | 24.4        | 77         | 20.4 | 16.1          | SW  | 16.09       | 27.4        | SW        | 24.7          | 26.1          | 24.3 | 758.0 | 0.0  | 0.0          | 212           | 18.23           | 301                 | 1.1         |
| 15/10/13 | 11:00 | 25.6        | 26.6       | 24.7        | 70         | 19.7 | 14.5          | SW  | 14.48       | 24.1        | SSW       | 25.6          | 26.6          | 25.2 | 757.6 | 0.0  | 0.0          | 358           | 30.79           | 607                 | 1.9         |
| 15/10/13 | 12:00 | 26.8        | 27.4       | 26.3        | 65         | 19.7 | 11.3          | SSW | 11.27       | 22.5        | SSW       | 26.8          | 28.3          | 27.5 | 756.9 | 0.0  | 0.0          | 466           | 40.08           | 665                 | 2.5         |
| 15/10/13 | 13:00 | 27.3        | 27.6       | 26.9        | 65         | 20.1 | 6.4           | S   | 6.44        | 20.9        | SSW       | 27.3          | 28.9          | 28.9 | 756.4 | 0.0  | 0.0          | 441           | 37.93           | 644                 | 2.3         |
| 15/10/13 | 14:00 | 27.2        | 27.7       | 26.9        | 64         | 19.8 | 1.6           | SSW | 1.61        | 16.1        | SW        | 27.2          | 28.6          | 28.6 | 755.5 | 0.0  | 0.0          | 292           | 25.12           | 482                 | 1.4         |
| 15/10/13 | 15:00 | 26.9        | 27.6       | 26.6        | 66         | 20.0 | 1.6           | S   | 1.61        | 16.1        | SSW       | 26.9          | 28.4          | 28.4 | 755.3 | 0.0  | 0.0          | 211           | 18.15           | 285                 | 0.9         |
| 15/10/13 | 16:00 | 26.5        | 26.6       | 26.2        | 68         | 20.1 | 3.2           | SSW | 3.22        | 16.1        | SSW       | 26.5          | 27.9          | 27.9 | 755.2 | 0.0  | 0.0          | 153           | 13.16           | 197                 | 0.5         |
| 15/10/13 | 17:00 | 25.9        | 26.2       | 25.5        | 72         | 20.5 | 3.2           | SW  | 3.22        | 14.5        | SW        | 25.9          | 27.2          | 27.2 | 755.4 | 0.0  | 0.0          | 61            | 5.25            | 109                 | 0.1         |
| 15/10/13 | 18:00 | 24.8        | 25.5       | 24.1        | 76         | 20.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 24.8          | 26.2          | 26.2 | 755.8 | 0.0  | 0.0          | 6             | 0.52            | 25                  | 0.0         |
| 15/10/13 | 19:00 | 23.6        | 24.1       | 23.3        | 80         | 20.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.6          | 24.6          | 24.6 | 756.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 15/10/13 | 20:00 | 23.3        | 23.3       | 23.2        | 83         | 20.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.3          | 24.4          | 24.4 | 756.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 15/10/13 | 21:00 | 23.1        | 23.2       | 23.1        | 83         | 20.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.1          | 24.2          | 24.2 | 756.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 15/10/13 | 22:00 | 22.9        | 23.1       | 22.9        | 85         | 20.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.9          | 24.0          | 24.0 | 756.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 15/10/13 | 23:00 | 22.9        | 22.9       | 22.8        | 88         | 20.8 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.9          | 23.9          | 23.9 | 756.4 | 0.2  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 16/10/13 | 00:00 | 22.9        | 22.9       | 22.9        | 90         | 21.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.9          | 23.9          | 23.9 | 756.0 | 1.0  | 3.2          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 16/10/13

| 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. | UV  |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-----|
| 16/10/13 | 1:00  | 23.1        | 23.3       | 22.8        | 89         | 21.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.1          | 24.2          | 24.2 | 755.6 | 1.2  | 4.6          | 0             | 0.00            | 0                   | 0.0 |
| 16/10/13 | 2:00  | 22.8        | 22.9       | 22.6        | 91         | 21.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.8          | 23.9          | 23.9 | 755.6 | 0.6  | 1.2          | 0             | 0.00            | 0                   | 0.0 |
| 16/10/13 | 8:00  | 23.1        | 23.4       | 22.8        | 92         | 21.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.1          | 24.4          | 24.4 | 757.3 | 0.0  | 0.0          | 72            | 6.19            | 143                 | 0.3 |
| 16/10/13 | 9:00  | 23.6        | 24.1       | 23.3        | 91         | 22.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.6          | 25.3          | 25.3 | 757.2 | 0.4  | 0.0          | 130           | 11.18           | 266                 | 0.6 |
| 16/10/13 | 10:00 | 24.4        | 24.8       | 24.1        | 86         | 21.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 24.4          | 26.2          | 26.2 | 756.9 | 0.0  | 0.0          | 262           | 22.53           | 482                 | 1.4 |
| 16/10/13 | 11:00 | 24.5        | 24.9       | 24.2        | 80         | 20.8 | 0.0           | E   | 0.00        | 11.3        | ENE       | 24.5          | 26.0          | 26.0 | 756.2 | 0.0  | 0.0          | 285           | 24.51           | 521                 | 1.6 |
| 16/10/13 | 12:00 | 24.7        | 24.9       | 24.5        | 80         | 21.0 | 0.0           | E   | 0.00        | 6.4         | E         | 24.7          | 26.3          | 26.3 | 755.5 | 0.0  | 0.0          | 189           | 16.26           | 431                 | 1.1 |
| 16/10/13 | 13:00 | 25.4        | 25.8       | 24.8        | 77         | 21.1 | 1.6           | E   | 1.61        | 14.5        | E         | 25.4          | 27.2          | 27.2 | 754.5 | 0.0  | 0.0          | 302           | 25.98           | 616                 | 1.9 |
| 16/10/13 | 14:00 | 25.7        | 26.3       | 25.4        | 75         | 21.0 | 0.0           | E   | 0.00        | 14.5        | E         | 25.7          | 27.3          | 27.3 | 753.7 | 0.0  | 0.0          | 263           | 22.62           | 744                 | 1.3 |
| 16/10/13 | 15:00 | 26.0        | 26.6       | 25.4        | 76         | 21.4 | 1.6           | ESE | 1.61        | 14.5        | SE        | 26.0          | 27.7          | 27.7 | 753.0 | 0.0  | 0.0          | 226           | 19.44           | 820                 | 1.2 |
| 16/10/13 | 16:00 | 25.1        | 25.4       | 24.7        | 77         | 20.7 | 0.0           | SE  | 0.00        | 6.4         | SE        | 25.1          | 26.8          | 26.8 | 753.0 | 0.0  | 0.0          | 60            | 5.16            | 104                 | 0.2 |
| 16/10/13 | 17:00 | 24.2        | 24.7       | 22.5        | 86         | 21.7 | 3.2           | WSW | 3.22        | 29.0        | WSW       | 24.2          | 25.8          | 25.8 | 754.6 | 4.0  | 94.4         | 4             | 0.34            | 18                  | 0.0 |
| 16/10/13 | 23:00 | 22.8        | 22.9       | 22.8        | 91         | 21.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.8          | 23.9          | 23.9 | 755.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0 |
| 17/10/13 | 00:00 | 22.9        | 23.2       | 22.8        | 91         | 21.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.9          | 24.1          | 24.1 | 754.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0 |



## Ivinhema 17/10/13

| 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 |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 17/10/13 | 1:00  | 23.1        | 23.3       | 22.7        | 93         | 21.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.1          | 24.5          | 24.5 | 754.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 17/10/13 | 2:00  | 22.6        | 22.9       | 22.3        | 96         | 21.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.6          | 24.2          | 24.2 | 753.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 17/10/13 | 3:00  | 22.2        | 22.5       | 22.0        | 99         | 22.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.2          | 24.1          | 24.1 | 753.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 17/10/13 | 4:00  | 22.5        | 23.2       | 22.1        | 99         | 22.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.5          | 24.4          | 24.4 | 754.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 17/10/13 | 5:00  | 23.4        | 23.9       | 22.9        | 95         | 22.5 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.4          | 25.1          | 25.1 | 755.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 17/10/13 | 6:00  | 24.0        | 24.5       | 23.7        | 93         | 22.8 | 0.0           | --- | 0.00        | 0.0         | ---       | 24.0          | 25.9          | 25.9 | 755.2 | 0.0  | 0.0          | 10            | 0.86            | 33                  | 0.0         |
| 17/10/13 | 7:00  | 24.7        | 25.2       | 24.3        | 91         | 23.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 24.7          | 26.7          | 26.7 | 755.7 | 0.0  | 0.0          | 52            | 4.47            | 79                  | 0.1         |
| 17/10/13 | 8:00  | 25.3        | 25.6       | 25.0        | 88         | 23.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 25.3          | 27.6          | 27.6 | 755.9 | 0.0  | 0.0          | 139           | 11.96           | 202                 | 0.5         |
| 17/10/13 | 14:00 | 26.1        | 26.3       | 25.8        | 70         | 20.2 | 3.2           | SSW | 3.22        | 17.7        | SW        | 26.1          | 27.2          | 27.2 | 752.7 | 0.0  | 0.0          | 405           | 34.83           | 762                 | 2.1         |
| 17/10/13 | 15:00 | 26.7        | 26.9       | 26.3        | 66         | 19.8 | 9.7           | SSW | 9.66        | 20.9        | SSW       | 26.7          | 28.1          | 27.4 | 752.1 | 0.0  | 0.0          | 492           | 42.32           | 586                 | 1.6         |
| 17/10/13 | 16:00 | 26.9        | 27.3       | 26.4        | 66         | 20.0 | 9.7           | SSW | 9.66        | 22.5        | SSW       | 26.9          | 28.4          | 27.8 | 751.9 | 0.0  | 0.0          | 300           | 25.80           | 408                 | 0.7         |
| 17/10/13 | 17:00 | 26.4        | 26.9       | 25.7        | 72         | 20.9 | 12.9          | SW  | 12.87       | 22.5        | SSW       | 26.4          | 28.0          | 26.9 | 752.1 | 0.0  | 0.0          | 78            | 6.71            | 206                 | 0.2         |
| 17/10/13 | 18:00 | 24.8        | 25.7       | 24.1        | 79         | 20.9 | 8.0           | SSW | 8.05        | 17.7        | SSW       | 24.8          | 26.6          | 26.1 | 752.4 | 0.0  | 0.0          | 7             | 0.60            | 18                  | 0.0         |
| 17/10/13 | 19:00 | 23.7        | 24.1       | 23.4        | 82         | 20.5 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.7          | 24.9          | 24.9 | 753.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 17/10/13 | 20:00 | 22.9        | 23.4       | 22.0        | 85         | 20.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.9          | 23.9          | 23.9 | 753.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 17/10/13 | 21:00 | 21.1        | 22.0       | 20.5        | 89         | 19.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.1          | 22.1          | 22.1 | 754.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 17/10/13 | 22:00 | 20.5        | 20.6       | 20.4        | 91         | 19.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 20.5          | 21.6          | 21.6 | 754.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 17/10/13 | 23:00 | 20.5        | 20.7       | 20.2        | 92         | 19.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 20.5          | 21.6          | 21.6 | 753.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 18/10/13

| 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 |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 18/10/13 | 5:00  | 19.5        | 19.7       | 19.3        | 99         | 19.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 19.5          | 20.3          | 20.3 | 753.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 18/10/13 | 6:00  | 19.8        | 21.1       | 19.2        | 100        | 19.8 | 0.0           | --- | 0.00        | 0.0         | ---       | 19.8          | 20.8          | 20.8 | 754.2 | 0.0  | 0.0          | 30            | 2.58            | 86                  | 0.0         |
| 18/10/13 | 7:00  | 22.3        | 23.3       | 20.9        | 100        | 22.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.3          | 24.3          | 24.3 | 754.6 | 0.0  | 0.0          | 124           | 10.67           | 218                 | 0.3         |
| 18/10/13 | 8:00  | 24.0        | 24.7       | 23.2        | 98         | 23.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 24.0          | 26.1          | 26.1 | 754.8 | 0.0  | 0.0          | 337           | 28.99           | 507                 | 0.9         |
| 18/10/13 | 9:00  | 24.5        | 24.9       | 24.2        | 73         | 19.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 24.5          | 25.7          | 25.7 | 754.7 | 0.0  | 0.0          | 567           | 48.77           | 635                 | 1.9         |
| 18/10/13 | 10:00 | 26.1        | 27.3       | 24.6        | 60         | 17.7 | 0.0           | SSW | 0.00        | 16.1        | SW        | 26.1          | 27.0          | 27.0 | 754.2 | 0.0  | 0.0          | 700           | 60.21           | 778                 | 2.9         |
| 18/10/13 | 11:00 | 27.9        | 28.3       | 27.3        | 56         | 18.3 | 0.0           | S   | 0.00        | 16.1        | SW        | 27.9          | 28.8          | 28.8 | 753.6 | 0.0  | 0.0          | 791           | 68.03           | 857                 | 3.7         |
| 18/10/13 | 12:00 | 29.1        | 29.4       | 28.3        | 52         | 18.2 | 0.0           | SSW | 0.00        | 14.5        | SW        | 29.1          | 30.3          | 30.3 | 752.9 | 0.0  | 0.0          | 816           | 70.19           | 882                 | 3.8         |
| 18/10/13 | 13:00 | 28.9        | 29.5       | 28.2        | 50         | 17.5 | 0.0           | S   | 0.00        | 12.9        | SSW       | 28.9          | 29.9          | 29.9 | 752.2 | 0.0  | 0.0          | 414           | 35.61           | 880                 | 2.4         |
| 18/10/13 | 14:00 | 29.4        | 30.2       | 28.9        | 45         | 16.3 | 1.6           | SSW | 1.61        | 20.9        | SW        | 29.4          | 29.9          | 29.9 | 751.6 | 0.0  | 0.0          | 390           | 33.54           | 799                 | 1.9         |
| 18/10/13 | 15:00 | 30.6        | 31.4       | 29.7        | 40         | 15.5 | 8.0           | SW  | 8.05        | 32.2        | W         | 30.6          | 30.6          | 30.4 | 751.1 | 0.0  | 0.0          | 516           | 44.38           | 684                 | 1.4         |
| 18/10/13 | 16:00 | 30.1        | 30.8       | 29.3        | 43         | 16.1 | 8.0           | SSW | 8.05        | 22.5        | SSW       | 30.1          | 30.4          | 30.2 | 751.1 | 0.0  | 0.0          | 356           | 30.62           | 491                 | 0.8         |
| 18/10/13 | 17:00 | 28.9        | 29.5       | 28.2        | 49         | 17.2 | 4.8           | SSW | 4.83        | 14.5        | SSW       | 28.9          | 29.8          | 29.8 | 751.4 | 0.0  | 0.0          | 72            | 6.19            | 223                 | 0.2         |
| 18/10/13 | 18:00 | 26.7        | 28.2       | 24.6        | 61         | 18.5 | 0.0           | --- | 0.00        | 0.0         | ---       | 26.7          | 27.7          | 27.7 | 751.8 | 0.0  | 0.0          | 8             | 0.69            | 18                  | 0.0         |
| 18/10/13 | 19:00 | 23.0        | 24.6       | 21.8        | 74         | 18.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.0          | 23.9          | 23.9 | 752.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 19/10/13

| 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 |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 19/10/13 | 1:00  | 18.3        | 18.6       | 17.8        | 89         | 16.4 | 0.0           | --- | 0.00        | 0.0         | ---       | 18.3          | 18.9          | 18.9 | 752.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 19/10/13 | 2:00  | 17.8        | 17.9       | 17.5        | 87         | 15.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 17.8          | 18.3          | 18.3 | 753.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 19/10/13 | 3:00  | 17.3        | 17.9       | 16.8        | 88         | 15.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 17.3          | 17.8          | 17.8 | 753.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 19/10/13 | 4:00  | 17.1        | 17.3       | 16.7        | 89         | 15.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 17.1          | 17.5          | 17.5 | 753.6 | 0.2  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 19/10/13 | 5:00  | 16.6        | 16.7       | 16.4        | 91         | 15.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 16.6          | 16.9          | 16.9 | 754.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 19/10/13 | 6:00  | 17.0        | 18.6       | 16.2        | 92         | 15.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 17.0          | 17.4          | 17.4 | 754.8 | 0.0  | 0.0          | 64            | 5.50            | 143                 | 0.0         |
| 19/10/13 | 7:00  | 20.0        | 20.8       | 18.6        | 80         | 16.4 | 0.0           | --- | 0.00        | 0.0         | ---       | 20.0          | 21.0          | 21.0 | 755.1 | 0.0  | 0.0          | 240           | 20.64           | 345                 | 0.4         |
| 19/10/13 | 8:00  | 22.2        | 23.7       | 20.8        | 66         | 15.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.2          | 22.3          | 22.3 | 755.4 | 0.0  | 0.0          | 430           | 36.98           | 510                 | 1.0         |
| 19/10/13 | 9:00  | 24.9        | 26.1       | 23.7        | 57         | 15.8 | 0.0           | --- | 0.00        | 0.0         | ---       | 24.9          | 24.9          | 24.9 | 755.1 | 0.0  | 0.0          | 583           | 50.14           | 648                 | 2.0         |
| 19/10/13 | 10:00 | 27.3        | 28.3       | 26.1        | 43         | 13.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 27.3          | 27.3          | 27.3 | 754.7 | 0.0  | 0.0          | 700           | 60.21           | 743                 | 3.0         |
| 19/10/13 | 16:00 | 30.7        | 30.8       | 30.4        | 29         | 10.6 | 1.6           | S   | 1.61        | 12.9        | S         | 30.7          | 29.6          | 29.6 | 751.5 | 0.0  | 0.0          | 334           | 28.73           | 426                 | 0.7         |
| 19/10/13 | 17:00 | 29.8        | 30.4       | 28.9        | 39         | 14.4 | 0.0           | --- | 0.00        | 0.0         | ---       | 29.8          | 29.7          | 29.7 | 751.5 | 0.0  | 0.0          | 79            | 6.79            | 220                 | 0.2         |
| 19/10/13 | 18:00 | 27.6        | 28.9       | 25.9        | 52         | 16.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 27.6          | 28.3          | 28.3 | 751.7 | 0.0  | 0.0          | 8             | 0.69            | 18                  | 0.0         |
| 19/10/13 | 19:00 | 25.1        | 25.9       | 24.3        | 58         | 16.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 25.1          | 25.2          | 25.2 | 751.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 19/10/13 | 20:00 | 23.5        | 24.3       | 22.9        | 60         | 15.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.5          | 23.5          | 23.5 | 752.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 19/10/13 | 21:00 | 21.8        | 22.9       | 20.2        | 75         | 17.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.8          | 22.4          | 22.4 | 752.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 19/10/13 | 22:00 | 19.4        | 20.2       | 18.8        | 82         | 16.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 19.4          | 20.3          | 20.3 | 752.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 19/10/13 | 23:00 | 18.2        | 18.9       | 16.9        | 84         | 15.5 | 0.0           | --- | 0.00        | 0.0         | ---       | 18.2          | 18.9          | 18.9 | 752.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 20/10/13 | 00:00 | 17.3        | 17.9       | 16.9        | 86         | 15.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 17.3          | 17.8          | 17.8 | 751.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 20/10/13

| 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 |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 20/10/13 | 1:00  | 18.2        | 18.6       | 17.9        | 83         | 15.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 18.2          | 18.9          | 18.9 | 751.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 20/10/13 | 2:00  | 17.6        | 18.2       | 17.2        | 87         | 15.4 | 0.0           | --- | 0.00        | 0.0         | ---       | 17.6          | 18.2          | 18.2 | 751.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 20/10/13 | 3:00  | 17.1        | 17.5       | 16.7        | 88         | 15.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 17.1          | 17.6          | 17.6 | 751.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 20/10/13 | 4:00  | 16.9        | 17.1       | 16.7        | 89         | 15.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 16.9          | 17.3          | 17.3 | 752.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 20/10/13 | 5:00  | 16.8        | 17.6       | 16.4        | 90         | 15.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 16.8          | 17.3          | 17.3 | 752.6 | 0.2  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 20/10/13 | 6:00  | 18.2        | 19.7       | 17.4        | 89         | 16.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 18.2          | 18.8          | 18.8 | 753.3 | 0.0  | 0.0          | 66            | 5.68            | 144                 | 0.0         |
| 20/10/13 | 7:00  | 21.1        | 21.7       | 19.6        | 76         | 16.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.1          | 21.7          | 21.7 | 753.6 | 0.0  | 0.0          | 244           | 20.99           | 348                 | 0.4         |
| 20/10/13 | 8:00  | 22.8        | 24.2       | 21.7        | 62         | 15.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.8          | 23.0          | 23.0 | 753.6 | 0.0  | 0.0          | 435           | 37.41           | 517                 | 1.0         |
| 20/10/13 | 9:00  | 25.4        | 26.8       | 24.2        | 54         | 15.5 | 1.6           | E   | 1.61        | 14.5        | E         | 25.4          | 25.6          | 25.6 | 753.4 | 0.0  | 0.0          | 588           | 50.57           | 653                 | 1.9         |
| 20/10/13 | 10:00 | 28.3        | 29.8       | 26.8        | 42         | 14.2 | 3.2           | ESE | 3.22        | 16.1        | ESE       | 28.3          | 28.6          | 28.6 | 753.2 | 0.0  | 0.0          | 701           | 60.29           | 739                 | 2.9         |
| 20/10/13 | 11:00 | 32.2        | 34.0       | 29.8        | 26         | 10.2 | 12.9          | ENE | 12.87       | 37.0        | NNE       | 32.2          | 30.9          | 30.4 | 752.2 | 0.0  | 0.0          | 763           | 65.63           | 783                 | 3.5         |
| 20/10/13 | 12:00 | 34.3        | 35.1       | 33.6        | 23         | 10.2 | 17.7          | NE  | 17.70       | 35.4        | NNE       | 34.3          | 32.9          | 32.7 | 751.3 | 0.0  | 0.0          | 776           | 66.74           | 785                 | 3.7         |
| 20/10/13 | 13:00 | 35.1        | 35.5       | 34.7        | 23         | 10.8 | 17.7          | NE  | 17.70       | 37.0        | NE        | 35.1          | 33.7          | 33.7 | 750.6 | 0.0  | 0.0          | 731           | 62.87           | 762                 | 3.3         |
| 20/10/13 | 14:00 | 35.6        | 36.2       | 35.2        | 22         | 10.6 | 16.1          | NNE | 16.09       | 29.0        | NNE       | 35.6          | 34.6          | 34.6 | 749.8 | 0.0  | 0.0          | 633           | 54.45           | 691                 | 2.4         |
| 20/10/13 | 15:00 | 36.0        | 36.4       | 35.7        | 23         | 11.6 | 14.5          | NE  | 14.48       | 27.4        | NNE       | 36.0          | 35.5          | 35.5 | 749.2 | 0.0  | 0.0          | 497           | 42.75           | 567                 | 1.5         |
| 20/10/13 | 16:00 | 35.8        | 36.2       | 35.3        | 26         | 13.3 | 11.3          | NE  | 11.27       | 22.5        | ENE       | 35.8          | 35.7          | 35.7 | 748.9 | 0.0  | 0.0          | 333           | 28.64           | 433                 | 0.7         |
| 20/10/13 | 17:00 | 34.3        | 35.3       | 32.8        | 35         | 16.6 | 6.4           | ENE | 6.44        | 22.5        | NE        | 34.3          | 35.3          | 35.3 | 748.8 | 0.0  | 0.0          | 80            | 6.88            | 218                 | 0.2         |
| 20/10/13 | 18:00 | 30.9        | 32.8       | 29.3        | 48         | 18.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 30.9          | 32.4          | 32.4 | 749.0 | 0.0  | 0.0          | 9             | 0.77            | 21                  | 0.0         |
| 20/10/13 | 19:00 | 28.6        | 29.3       | 28.0        | 52         | 17.8 | 0.0           | --- | 0.00        | 0.0         | ---       | 28.6          | 29.7          | 29.7 | 749.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 20/10/13 | 20:00 | 27.4        | 28.0       | 26.8        | 56         | 17.8 | 0.0           | --- | 0.00        | 0.0         | ---       | 27.4          | 28.2          | 28.2 | 749.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 20/10/13 | 21:00 | 25.4        | 26.8       | 23.7        | 65         | 18.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 25.4          | 26.1          | 26.1 | 750.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 20/10/13 | 22:00 | 23.1        | 23.7       | 22.4        | 72         | 17.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.1          | 23.9          | 23.9 | 750.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 20/10/13 | 23:00 | 22.4        | 22.5       | 22.3        | 74         | 17.5 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.4          | 23.0          | 23.0 | 750.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 21/10/13 | 00:00 | 22.8        | 23.3       | 22.2        | 71         | 17.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.8          | 23.7          | 23.7 | 749.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 21/10/13

| 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 |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 21/10/13 | 1:00  | 23.1        | 23.4       | 22.3        | 74         | 18.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.1          | 24.1          | 24.1 | 749.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 21/10/13 | 2:00  | 22.7        | 23.1       | 22.3        | 74         | 17.8 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.7          | 23.4          | 23.4 | 749.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 21/10/13 | 8:00  | 28.3        | 30.3       | 26.0        | 57         | 18.9 | 6.4           | NNE | 6.44        | 29.0        | N         | 28.3          | 29.5          | 29.5 | 752.6 | 0.0  | 0.0          | 380           | 32.68           | 505                 | 1.0         |
| 21/10/13 | 9:00  | 31.7        | 33.2       | 30.3        | 47         | 19.0 | 20.9          | NNE | 20.92       | 38.6        | NNE       | 31.7          | 33.8          | 32.8 | 752.9 | 0.0  | 0.0          | 557           | 47.91           | 672                 | 1.9         |
| 21/10/13 | 10:00 | 33.8        | 34.4       | 33.2        | 42         | 19.1 | 25.7          | N   | 25.75       | 48.3        | N         | 33.8          | 36.1          | 35.8 | 752.3 | 0.0  | 0.0          | 665           | 57.20           | 718                 | 2.8         |
| 21/10/13 | 11:00 | 34.4        | 35.3       | 33.8        | 38         | 18.1 | 29.0          | N   | 28.97       | 48.3        | N         | 34.4          | 36.1          | 36.1 | 752.2 | 0.0  | 0.0          | 715           | 61.50           | 772                 | 3.4         |
| 21/10/13 | 12:00 | 35.6        | 36.2       | 35.1        | 35         | 17.7 | 30.6          | N   | 30.58       | 48.3        | N         | 35.6          | 37.1          | 37.8 | 751.2 | 0.0  | 0.0          | 736           | 63.30           | 778                 | 3.6         |
| 21/10/13 | 13:00 | 36.4        | 36.7       | 35.9        | 32         | 17.0 | 27.4          | N   | 27.36       | 46.7        | N         | 36.4          | 37.9          | 38.7 | 749.9 | 0.0  | 0.0          | 723           | 62.19           | 758                 | 3.2         |
| 21/10/13 | 14:00 | 36.9        | 37.2       | 36.4        | 29         | 15.9 | 27.4          | N   | 27.36       | 49.9        | N         | 36.9          | 37.8          | 38.7 | 748.8 | 0.0  | 0.0          | 644           | 55.39           | 699                 | 2.5         |
| 21/10/13 | 15:00 | 36.7        | 37.1       | 36.4        | 30         | 16.3 | 25.7          | NNE | 25.75       | 49.9        | N         | 36.7          | 37.7          | 38.4 | 748.4 | 0.0  | 0.0          | 503           | 43.26           | 593                 | 1.5         |
| 21/10/13 | 16:00 | 34.9        | 36.7       | 34.0        | 36         | 17.6 | 22.5          | N   | 22.53       | 41.8        | N         | 34.9          | 36.1          | 36.1 | 748.8 | 0.0  | 0.0          | 145           | 12.47           | 473                 | 0.5         |
| 21/10/13 | 17:00 | 33.0        | 34.0       | 31.6        | 45         | 19.5 | 12.9          | N   | 12.87       | 25.7        | N         | 33.0          | 35.1          | 34.8 | 749.5 | 0.0  | 0.0          | 53            | 4.56            | 95                  | 0.0         |
| 21/10/13 | 18:00 | 27.3        | 31.6       | 22.9        | 75         | 22.5 | 19.3          | SW  | 19.31       | 56.3        | SW        | 27.3          | 30.2          | 28.4 | 752.0 | 3.6  | 51.8         | 0             | 0.00            | 5                   | 0.0         |
| 21/10/13 | 19:00 | 22.3        | 22.8       | 21.6        | 85         | 19.6 | 24.1          | WSW | 24.14       | 56.3        | WNW       | 22.3          | 23.3          | 20.0 | 752.6 | 22.6 | 106.6        | 0             | 0.00            | 0                   | 0.0         |
| 21/10/13 | 20:00 | 22.7        | 22.9       | 22.4        | 87         | 20.4 | 6.4           | SSE | 6.44        | 17.7        | SSE       | 22.7          | 23.7          | 23.7 | 752.5 | 2.6  | 5.2          | 0             | 0.00            | 0                   | 0.0         |
| 21/10/13 | 21:00 | 23.1        | 23.3       | 22.8        | 88         | 21.0 | 11.3          | SE  | 11.27       | 38.6        | WNW       | 23.1          | 24.2          | 22.9 | 753.8 | 3.4  | 41.8         | 0             | 0.00            | 0                   | 0.0         |
| 21/10/13 | 22:00 | 23.2        | 23.3       | 22.9        | 89         | 21.3 | 0.0           | WNW | 0.00        | 12.9        | NW        | 23.2          | 24.4          | 24.4 | 753.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 21/10/13 | 23:00 | 22.9        | 23.3       | 22.8        | 92         | 21.6 | 3.2           | NE  | 3.22        | 17.7        | NE        | 22.9          | 24.2          | 24.2 | 752.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 22/10/13 | 00:00 | 23.4        | 23.6       | 23.3        | 91         | 21.9 | 9.7           | ENE | 9.66        | 20.9        | ENE       | 23.4          | 24.9          | 24.1 | 752.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 22/10/13

| 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 |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-------------|
| 22/10/13 | 1:00  | 23.6        | 23.8       | 23.4        | 92         | 22.2 | 9.7           | ENE | 9.66        | 17.7        | ENE       | 23.6          | 25.3          | 24.4 | 751.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 22/10/13 | 2:00  | 23.9        | 24.1       | 23.7        | 89         | 22.0 | 9.7           | E   | 9.66        | 20.9        | E         | 23.9          | 25.7          | 24.8 | 751.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 22/10/13 | 3:00  | 23.5        | 23.9       | 23.1        | 91         | 21.9 | 0.0           | NW  | 0.00        | 12.9        | NW        | 23.5          | 25.1          | 25.1 | 751.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 22/10/13 | 4:00  | 23.0        | 23.3       | 22.8        | 92         | 21.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.0          | 24.3          | 24.3 | 751.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 22/10/13 | 5:00  | 23.0        | 23.3       | 22.9        | 91         | 21.5 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.0          | 24.2          | 24.2 | 751.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 22/10/13 | 6:00  | 23.3        | 24.1       | 22.9        | 91         | 21.8 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.3          | 24.7          | 24.7 | 753.1 | 0.0  | 0.0          | 21            | 1.81            | 37                  | 0.0         |
| 22/10/13 | 7:00  | 24.3        | 24.6       | 23.9        | 85         | 21.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 24.3          | 26.0          | 26.0 | 754.0 | 0.2  | 0.0          | 119           | 10.24           | 216                 | 0.3         |
| 22/10/13 | 8:00  | 24.8        | 25.1       | 24.4        | 80         | 21.1 | 0.0           | ESE | 0.00        | 1.6         | ESE       | 24.8          | 26.6          | 26.6 | 754.6 | 0.0  | 0.0          | 309           | 26.58           | 435                 | 0.9         |
| 22/10/13 | 9:00  | 24.4        | 24.7       | 24.2        | 76         | 19.9 | 0.0           | E   | 0.00        | 9.7         | ENE       | 24.4          | 25.7          | 25.7 | 754.5 | 0.0  | 0.0          | 418           | 35.95           | 517                 | 1.5         |
| 22/10/13 | 10:00 | 25.3        | 25.9       | 24.6        | 71         | 19.6 | 0.0           | E   | 0.00        | 9.7         | E         | 25.3          | 26.4          | 26.4 | 754.3 | 0.0  | 0.0          | 537           | 46.19           | 711                 | 2.3         |
| 22/10/13 | 11:00 | 26.6        | 27.2       | 25.9        | 65         | 19.5 | 0.0           | E   | 0.00        | 11.3        | ENE       | 26.6          | 27.9          | 27.9 | 754.0 | 0.0  | 0.0          | 611           | 52.55           | 695                 | 2.9         |
| 22/10/13 | 12:00 | 27.7        | 28.2       | 27.2        | 61         | 19.5 | 1.6           | ESE | 1.61        | 16.1        | ENE       | 27.7          | 28.8          | 28.8 | 753.2 | 0.0  | 0.0          | 609           | 52.38           | 746                 | 3.0         |
| 22/10/13 | 13:00 | 28.7        | 29.2       | 28.2        | 58         | 19.6 | 3.2           | ESE | 3.22        | 17.7        | SE        | 28.7          | 30.3          | 30.3 | 752.3 | 0.0  | 0.0          | 632           | 54.36           | 743                 | 2.9         |
| 22/10/13 | 14:00 | 29.6        | 29.9       | 29.2        | 55         | 19.6 | 8.0           | E   | 8.05        | 17.7        | ESE       | 29.6          | 31.4          | 31.2 | 751.6 | 0.0  | 0.0          | 566           | 48.68           | 716                 | 2.3         |
| 22/10/13 | 15:00 | 30.3        | 30.6       | 29.9        | 53         | 19.6 | 9.7           | ESE | 9.66        | 22.5        | E         | 30.3          | 32.2          | 31.8 | 751.2 | 0.0  | 0.0          | 481           | 41.37           | 598                 | 1.5         |
| 22/10/13 | 16:00 | 29.7        | 30.4       | 28.9        | 55         | 19.7 | 4.8           | ESE | 4.83        | 16.1        | ESE       | 29.7          | 31.6          | 31.6 | 751.3 | 0.0  | 0.0          | 225           | 19.35           | 417                 | 0.7         |
| 22/10/13 | 17:00 | 28.8        | 28.9       | 28.1        | 62         | 20.8 | 0.0           | --- | 0.00        | 0.0         | ---       | 28.8          | 30.9          | 30.9 | 751.2 | 0.0  | 0.0          | 94            | 8.09            | 153                 | 0.2         |
| 22/10/13 | 18:00 | 27.3        | 28.1       | 26.6        | 68         | 20.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 27.3          | 29.4          | 29.4 | 751.3 | 0.0  | 0.0          | 11            | 0.95            | 37                  | 0.0         |
| 22/10/13 | 19:00 | 26.2        | 26.6       | 26.0        | 68         | 19.8 | 0.0           | --- | 0.00        | 0.0         | ---       | 26.2          | 27.4          | 27.4 | 751.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 22/10/13 | 20:00 | 26.0        | 26.2       | 25.9        | 68         | 19.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 26.0          | 27.1          | 27.1 | 751.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 22/10/13 | 21:00 | 25.4        | 25.9       | 24.9        | 72         | 20.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 25.4          | 26.6          | 26.6 | 752.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 22/10/13 | 22:00 | 24.1        | 24.9       | 23.3        | 78         | 20.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 24.1          | 25.3          | 25.3 | 752.6 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |
| 22/10/13 | 23:00 | 22.7        | 23.3       | 22.3        | 83         | 19.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.7          | 23.7          | 23.7 | 752.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0         |

## Ivinhema 23/10/13

| 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. | UV  |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-----|
| 23/10/13 | 5:00  | 22.8        | 22.9       | 22.4        | 90         | 21.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.8          | 23.8          | 23.8 | 754.0 | 0.0  | 0.0          | 0             | 0.00            | 5                   | 0.0 |
| 23/10/13 | 6:00  | 23.1        | 24.1       | 22.4        | 88         | 21.0 | 0.0           | ENE | 0.00        | 6.4         | ENE       | 23.1          | 24.3          | 24.3 | 754.6 | 0.0  | 0.0          | 60            | 5.16            | 125                 | 0.0 |
| 23/10/13 | 7:00  | 24.4        | 24.9       | 24.1        | 80         | 20.8 | 1.6           | E   | 1.61        | 14.5        | E         | 24.4          | 25.9          | 25.9 | 754.9 | 0.0  | 0.0          | 233           | 20.04           | 318                 | 0.4 |
| 23/10/13 | 8:00  | 25.4        | 26.3       | 24.9        | 72         | 20.0 | 9.7           | E   | 9.66        | 24.1        | E         | 25.4          | 26.6          | 25.9 | 755.2 | 0.0  | 0.0          | 397           | 34.15           | 493                 | 1.1 |
| 23/10/13 | 9:00  | 27.2        | 28.2       | 26.3        | 66         | 20.3 | 11.3          | E   | 11.27       | 20.9        | E         | 27.2          | 28.9          | 28.2 | 754.8 | 0.0  | 0.0          | 560           | 48.17           | 623                 | 2.0 |
| 23/10/13 | 15:00 | 32.6        | 32.9       | 32.4        | 51         | 21.2 | 8.0           | ESE | 8.05        | 20.9        | SE        | 32.6          | 35.9          | 35.8 | 751.4 | 0.0  | 0.0          | 368           | 31.65           | 656                 | 1.3 |
| 23/10/13 | 16:00 | 33.0        | 33.4       | 32.6        | 52         | 21.8 | 6.4           | ESE | 6.44        | 17.7        | E         | 33.0          | 36.7          | 36.7 | 751.0 | 0.0  | 0.0          | 327           | 28.13           | 419                 | 0.7 |
| 23/10/13 | 17:00 | 33.0        | 33.5       | 32.3        | 50         | 21.2 | 4.8           | E   | 4.83        | 17.7        | ENE       | 33.0          | 36.1          | 36.1 | 751.1 | 0.0  | 0.0          | 84            | 7.22            | 218                 | 0.2 |
| 23/10/13 | 18:00 | 30.6        | 32.3       | 29.5        | 61         | 22.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 30.6          | 34.4          | 34.4 | 751.6 | 0.0  | 0.0          | 12            | 1.03            | 33                  | 0.0 |
| 23/10/13 | 19:00 | 28.7        | 29.5       | 28.0        | 68         | 22.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 28.7          | 32.1          | 32.1 | 752.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0 |

## Ivinhema 24/10/13

| 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. | UV  |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-----|
| 24/10/13 | 11:00 | 29.1        | 29.7       | 28.1        | 58         | 20.0 | 11.3          | NE  | 11.27       | 22.5        | NNE       | 29.1          | 31.0          | 30.4 | 756.0 | 0.0  | 0.0          | 384           | 33.03           | 452                 | 1.9 |
| 24/10/13 | 12:00 | 28.9        | 29.8       | 27.8        | 66         | 22.0 | 9.7           | E   | 9.66        | 17.7        | ENE       | 28.9          | 32.1          | 31.7 | 755.4 | 0.0  | 0.0          | 331           | 28.47           | 406                 | 1.6 |
| 24/10/13 | 13:00 | 27.3        | 27.8       | 27.1        | 72         | 21.8 | 6.4           | ESE | 6.44        | 16.1        | E         | 27.3          | 29.9          | 29.9 | 755.3 | 0.0  | 0.0          | 176           | 15.14           | 259                 | 0.8 |
| 24/10/13 | 14:00 | 24.2        | 27.3       | 23.3        | 82         | 20.9 | 6.4           | NW  | 6.44        | 38.6        | N         | 24.2          | 25.6          | 25.6 | 754.4 | 0.8  | 5.0          | 35            | 3.01            | 60                  | 0.1 |
| 24/10/13 | 15:00 | 23.8        | 24.1       | 23.4        | 84         | 20.9 | 6.4           | WSW | 6.44        | 37.0        | WNW       | 23.8          | 25.1          | 25.1 | 755.1 | 0.0  | 0.0          | 5             | 0.43            | 14                  | 0.0 |
| 24/10/13 | 21:00 | 23.2        | 23.6       | 22.9        | 88         | 21.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.2          | 24.4          | 24.4 | 758.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0 |
| 24/10/13 | 22:00 | 23.3        | 23.7       | 23.1        | 87         | 21.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.3          | 24.5          | 24.5 | 757.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0 |
| 24/10/13 | 23:00 | 23.7        | 23.8       | 23.2        | 87         | 21.4 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.7          | 25.1          | 25.1 | 757.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0 |
| 25/10/13 | 00:00 | 22.4        | 23.2       | 22.1        | 88         | 20.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.4          | 23.4          | 23.4 | 757.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0 |



## Ivinhema 25/10/13

| 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. | UV  |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-----|
| 25/10/13 | 1:00  | 22.6        | 22.9       | 22.1        | 88         | 20.5 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.6          | 23.6          | 23.6 | 756.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0 |
| 25/10/13 | 2:00  | 23.0        | 23.2       | 22.9        | 88         | 20.9 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.0          | 24.1          | 24.1 | 756.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0 |
| 25/10/13 | 3:00  | 22.7        | 23.2       | 22.3        | 90         | 21.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.7          | 23.7          | 23.7 | 756.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0 |
| 25/10/13 | 4:00  | 23.2        | 23.6       | 22.3        | 88         | 21.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.2          | 24.3          | 24.3 | 756.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0 |
| 25/10/13 | 5:00  | 23.6        | 23.7       | 23.3        | 88         | 21.5 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.6          | 25.0          | 25.0 | 757.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0 |
| 25/10/13 | 6:00  | 23.5        | 23.9       | 23.3        | 88         | 21.4 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.5          | 24.9          | 24.9 | 757.5 | 0.0  | 0.0          | 30            | 2.58            | 70                  | 0.0 |
| 25/10/13 | 12:00 | 30.1        | 30.8       | 29.6        | 55         | 20.1 | 1.6           | E   | 1.61        | 16.1        | SE        | 30.1          | 32.2          | 32.2 | 756.4 | 0.0  | 0.0          | 759           | 65.28           | 771                 | 3.9 |
| 25/10/13 | 13:00 | 31.3        | 31.7       | 30.8        | 50         | 19.6 | 3.2           | E   | 3.22        | 16.1        | SSE       | 31.3          | 33.6          | 33.6 | 755.6 | 0.0  | 0.0          | 728           | 62.62           | 764                 | 3.5 |
| 25/10/13 | 14:00 | 31.6        | 31.9       | 31.1        | 51         | 20.2 | 3.2           | E   | 3.22        | 12.9        | E         | 31.6          | 34.3          | 34.3 | 754.9 | 0.0  | 0.0          | 455           | 39.14           | 816                 | 2.2 |
| 25/10/13 | 15:00 | 31.8        | 32.2       | 31.3        | 49         | 19.7 | 6.4           | E   | 6.44        | 16.1        | E         | 31.8          | 34.3          | 34.3 | 754.4 | 0.0  | 0.0          | 360           | 30.96           | 711                 | 1.4 |
| 25/10/13 | 16:00 | 31.0        | 31.4       | 30.4        | 55         | 20.9 | 4.8           | E   | 4.83        | 14.5        | ENE       | 31.0          | 34.0          | 34.0 | 754.1 | 0.0  | 0.0          | 165           | 14.19           | 308                 | 0.5 |

## Ivinhema 26/10/13

| 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. | UV  |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-----|
| 26/10/13 | 13:00 | 30.3        | 31.2       | 29.3        | 48         | 18.1 | 6.4           | E   | 6.44        | 17.7        | NNE       | 30.3          | 31.4          | 31.4 | 753.1 | 0.0  | 0.0          | 700           | 60.21           | 843                 | 3.2 |
| 26/10/13 | 14:00 | 31.2        | 31.4       | 30.8        | 49         | 19.2 | 4.8           | ESE | 4.83        | 14.5        | E         | 31.2          | 33.1          | 33.1 | 752.2 | 0.0  | 0.0          | 614           | 52.81           | 669                 | 2.4 |
| 26/10/13 | 15:00 | 31.3        | 31.4       | 30.8        | 52         | 20.3 | 4.8           | ESE | 4.83        | 14.5        | E         | 31.3          | 34.1          | 34.1 | 751.2 | 0.0  | 0.0          | 427           | 36.73           | 554                 | 1.4 |
| 26/10/13 | 16:00 | 29.7        | 30.7       | 29.1        | 60         | 21.1 | 1.6           | ESE | 1.61        | 12.9        | SE        | 29.7          | 32.3          | 32.3 | 751.7 | 0.0  | 0.0          | 133           | 11.44           | 252                 | 0.4 |
| 26/10/13 | 17:00 | 28.7        | 29.2       | 28.0        | 64         | 21.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 28.7          | 31.1          | 31.1 | 752.1 | 0.0  | 0.0          | 61            | 5.25            | 245                 | 0.1 |

## Ivinhema 27/10/13

| 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. | UV  |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-----|
| 27/10/13 | 19:00 | 25.6        | 26.3       | 24.8        | 69         | 19.4 | 9.7           | WSW | 9.66        | 16.1        | WSW       | 25.6          | 26.5          | 25.8 | 753.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0 |
| 27/10/13 | 20:00 | 24.1        | 24.8       | 23.7        | 72         | 18.7 | 11.3          | WSW | 11.27       | 20.9        | WSW       | 24.1          | 25.2          | 24.1 | 754.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0 |
| 27/10/13 | 21:00 | 23.3        | 23.7       | 22.7        | 73         | 18.2 | 12.9          | WSW | 12.87       | 20.9        | WSW       | 23.3          | 24.3          | 22.8 | 754.5 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0 |
| 27/10/13 | 22:00 | 21.9        | 22.7       | 21.3        | 78         | 17.9 | 9.7           | WSW | 9.66        | 20.9        | WSW       | 21.9          | 22.8          | 21.8 | 754.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0 |
| 27/10/13 | 23:00 | 20.7        | 21.3       | 20.1        | 83         | 17.7 | 1.6           | WSW | 1.61        | 12.9        | WSW       | 20.7          | 21.7          | 21.7 | 754.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0 |

## Ivinhema 28/10/13

| 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. | UV  |
|----------|------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-----|
| 28/10/13 | 5:00 | 17.7        | 17.8       | 17.5        | 90         | 16.0 | 0.0           | --- | 0.00        | 0.0         | ---       | 17.7          | 18.2          | 18.2 | 755.2 | 0.0  | 0.0          | 0             | 0.00            | 7                   | 0.0 |
| 28/10/13 | 6:00 | 18.4        | 19.7       | 17.6        | 88         | 16.4 | 0.0           | --- | 0.00        | 0.0         | ---       | 18.4          | 19.2          | 19.2 | 756.3 | 0.0  | 0.0          | 81            | 6.97            | 162                 | 0.0 |
| 28/10/13 | 7:00 | 20.8        | 22.1       | 19.7        | 70         | 15.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 20.8          | 20.8          | 20.8 | 756.6 | 0.0  | 0.0          | 267           | 22.96           | 359                 | 0.5 |
| 28/10/13 | 8:00 | 23.1        | 24.2       | 22.1        | 64         | 15.9 | 1.6           | ESE | 1.61        | 17.7        | E         | 23.1          | 23.4          | 23.4 | 756.6 | 0.0  | 0.0          | 442           | 38.02           | 523                 | 1.1 |
| 28/10/13 | 9:00 | 25.0        | 25.9       | 24.2        | 57         | 15.9 | 6.4           | ESE | 6.44        | 17.7        | E         | 25.0          | 25.0          | 25.0 | 756.5 | 0.0  | 0.0          | 590           | 50.75           | 653                 | 2.1 |

## Ivinhema 29/10/13

| 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 |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|---------------|----|
| 29/10/13 | 11:00 | 25.7        | 26.4       | 24.8        | 40         | 11.1 | 9.7           | E   | 9.66        | 25.7        | ENE       | 25.7          | 25.3          | 24.6 | 755.8 | 0.0  | 0.0          | 767           | 65.97           | 813                 | 3.7           |    |
| 29/10/13 | 12:00 | 27.2        | 27.9       | 26.4        | 38         | 11.7 | 8.0           | E   | 8.05        | 17.7        | E         | 27.2          | 27.0          | 26.7 | 755.3 | 0.0  | 0.0          | 774           | 66.57           | 799                 | 3.8           |    |
| 29/10/13 | 13:00 | 28.6        | 29.3       | 27.8        | 36         | 12.1 | 8.0           | E   | 8.05        | 17.7        | ENE       | 28.6          | 28.2          | 28.0 | 754.5 | 0.0  | 0.0          | 728           | 62.62           | 781                 | 3.4           |    |
| 29/10/13 | 14:00 | 29.7        | 30.2       | 29.3        | 35         | 12.6 | 4.8           | E   | 4.83        | 16.1        | E         | 29.7          | 29.2          | 29.2 | 753.7 | 0.0  | 0.0          | 652           | 56.08           | 684                 | 2.5           |    |
| 29/10/13 | 15:00 | 30.1        | 30.3       | 29.8        | 36         | 13.4 | 4.8           | E   | 4.83        | 14.5        | ENE       | 30.1          | 29.7          | 29.7 | 752.8 | 0.0  | 0.0          | 501           | 43.09           | 604                 | 1.5           |    |
| 29/10/13 | 16:00 | 30.2        | 30.6       | 29.8        | 39         | 14.7 | 4.8           | E   | 4.83        | 14.5        | E         | 30.2          | 30.1          | 30.1 | 752.2 | 0.0  | 0.0          | 327           | 28.13           | 421                 | 0.7           |    |
| 29/10/13 | 17:00 | 29.6        | 29.9       | 28.9        | 45         | 16.4 | 3.2           | E   | 3.22        | 12.9        | E         | 29.6          | 30.1          | 30.1 | 752.2 | 0.0  | 0.0          | 100           | 8.60            | 234                 | 0.2           |    |
| 29/10/13 | 18:00 | 27.9        | 28.9       | 26.7        | 55         | 18.1 | 0.0           | --- | 0.00        | 0.0         | ---       | 27.9          | 28.9          | 28.9 | 752.4 | 0.0  | 0.0          | 22            | 1.89            | 74                  | 0.0           |    |
| 29/10/13 | 19:00 | 25.7        | 26.7       | 24.2        | 68         | 19.4 | 0.0           | --- | 0.00        | 0.0         | ---       | 25.7          | 26.7          | 26.7 | 752.7 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0           |    |
| 29/10/13 | 20:00 | 23.5        | 24.2       | 23.3        | 75         | 18.8 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.5          | 24.5          | 24.5 | 753.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0           |    |
| 29/10/13 | 21:00 | 22.4        | 23.3       | 22.0        | 80         | 18.8 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.4          | 23.4          | 23.4 | 753.8 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0           |    |
| 29/10/13 | 22:00 | 23.0        | 23.4       | 22.1        | 82         | 19.8 | 0.0           | --- | 0.00        | 0.0         | ---       | 23.0          | 24.0          | 24.0 | 754.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0           |    |
| 29/10/13 | 23:00 | 22.1        | 22.8       | 21.8        | 85         | 19.5 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.1          | 23.1          | 23.1 | 754.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0           |    |
| 30/10/13 | 00:00 | 21.7        | 22.5       | 21.0        | 78         | 17.7 | 0.0           | --- | 0.00        | 0.0         | ---       | 21.7          | 22.4          | 22.4 | 754.4 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0           |    |

## Ivinhema 30/10/13

| 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. | UV  |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-----|
| 30/10/13 | 1:00  | 22.7        | 22.9       | 22.4        | 74         | 17.8 | 0.0           | --- | 0.00        | 0.0         | ---       | 22.7          | 23.4          | 23.4 | 753.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0 |
| 30/10/13 | 7:00  | 21.0        | 21.9       | 20.1        | 72         | 15.8 | 8.0           | E   | 8.05        | 24.1        | NE        | 21.0          | 21.2          | 20.6 | 754.8 | 0.0  | 0.0          | 259           | 22.28           | 354                 | 0.4 |
| 30/10/13 | 8:00  | 22.8        | 23.7       | 21.9        | 65         | 15.9 | 9.7           | E   | 9.66        | 25.7        | E         | 22.8          | 23.2          | 22.3 | 755.1 | 0.0  | 0.0          | 396           | 34.06           | 552                 | 1.0 |
| 30/10/13 | 9:00  | 24.9        | 25.7       | 23.6        | 60         | 16.6 | 1.6           | SE  | 1.61        | 16.1        | SSE       | 24.9          | 24.9          | 24.9 | 754.9 | 0.0  | 0.0          | 616           | 52.98           | 772                 | 2.0 |
| 30/10/13 | 10:00 | 25.8        | 26.6       | 25.4        | 56         | 16.4 | 6.4           | ESE | 6.44        | 16.1        | SSE       | 25.8          | 26.3          | 26.3 | 754.9 | 0.0  | 0.0          | 626           | 53.84           | 913                 | 2.6 |
| 30/10/13 | 11:00 | 26.9        | 28.1       | 26.2        | 49         | 15.3 | 6.4           | ESE | 6.44        | 17.7        | ENE       | 26.9          | 27.1          | 27.1 | 754.6 | 0.0  | 0.0          | 706           | 60.72           | 966                 | 3.3 |

## Ivinhema 31/10/13

| 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. | UV  |
|----------|-------|-------------|------------|-------------|------------|------|---------------|-----|-------------|-------------|-----------|---------------|---------------|------|-------|------|--------------|---------------|-----------------|---------------------|-----|
| 31/10/13 | 18:00 | 29.3        | 30.4       | 28.4        | 55         | 19.3 | 0.0           | --- | 0.00        | 0.0         | ---       | 29.3          | 30.9          | 30.9 | 751.7 | 0.0  | 0.0          | 16            | 1.38            | 53                  | 0.0 |
| 31/10/13 | 19:00 | 27.7        | 28.4       | 26.9        | 64         | 20.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 27.7          | 29.3          | 29.3 | 752.2 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0 |
| 31/10/13 | 20:00 | 26.3        | 26.9       | 25.1        | 71         | 20.6 | 0.0           | --- | 0.00        | 0.0         | ---       | 26.3          | 27.7          | 27.7 | 752.9 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0 |
| 31/10/13 | 21:00 | 24.3        | 25.1       | 23.8        | 78         | 20.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 24.3          | 25.5          | 25.5 | 753.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0 |
| 31/10/13 | 22:00 | 24.7        | 26.1       | 23.9        | 59         | 16.2 | 0.0           | --- | 0.00        | 0.0         | ---       | 24.7          | 24.7          | 24.7 | 753.0 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0 |
| 31/10/13 | 23:00 | 26.4        | 26.7       | 26.1        | 50         | 15.2 | 1.6           | ESE | 1.61        | 20.9        | ESE       | 26.4          | 26.4          | 26.4 | 753.1 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0 |
| 1/11/13  | 00:00 | 26.4        | 26.8       | 25.9        | 49         | 14.8 | 8.0           | ESE | 8.05        | 25.7        | E         | 26.4          | 26.4          | 26.0 | 753.3 | 0.0  | 0.0          | 0             | 0.00            | 0                   | 0.0 |

## Ivinhema 1/10/13

| 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. |
|---------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 1/10/13 | 1:00  | 0.00       | 0.0      | 0.000       | 0.192       | 18.4       | 82        | 0.00 | 1369         | 1          | 100.0          | 60           |
| 1/10/13 | 2:00  | 0.00       | 0.0      | 0.000       | 0.171       | 18.0       | 83        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 1/10/13 | 3:00  | 0.00       | 0.0      | 0.000       | 0.162       | 17.6       | 83        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 1/10/13 | 4:00  | 0.00       | 0.0      | 0.000       | 0.157       | 17.4       | 83        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 1/10/13 | 5:00  | 0.00       | 0.0      | 0.000       | 0.155       | 17.2       | 84        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 1/10/13 | 6:00  | 0.00       | 0.0      | 0.000       | 0.155       | 17.2       | 84        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 1/10/13 | 7:00  | 0.00       | 0.0      | 0.000       | 0.162       | 17.6       | 80        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 1/10/13 | 8:00  | 0.13       | 0.4      | 0.000       | 0.171       | 19.9       | 68        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 1/10/13 | 9:00  | 0.26       | 0.9      | 0.000       | 0.171       | 22.2       | 59        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 1/10/13 | 10:00 | 0.43       | 1.6      | 0.000       | 0.171       | 25.0       | 52        | 0.13 | 1368         | 1          | 100.0          | 60           |
| 1/10/13 | 11:00 | 0.51       | 1.5      | 0.000       | 0.125       | 27.9       | 51        | 0.13 | 1368         | 1          | 100.0          | 60           |
| 1/10/13 | 12:00 | 0.64       | 2.3      | 0.000       | 0.118       | 29.8       | 47        | 0.15 | 1368         | 1          | 100.0          | 60           |
| 1/10/13 | 13:00 | 0.73       | 2.5      | 0.000       | 0.153       | 33.1       | 47        | 0.20 | 1368         | 1          | 100.0          | 60           |
| 1/10/13 | 14:00 | 0.47       | 1.9      | 0.000       | 0.185       | 33.9       | 50        | 0.13 | 1368         | 1          | 100.0          | 60           |
| 1/10/13 | 15:00 | 0.17       | 0.6      | 0.000       | 0.181       | 30.6       | 55        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 1/10/13 | 16:00 | 0.04       | 0.4      | 0.000       | 0.176       | 28.1       | 63        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 1/10/13 | 17:00 | 0.00       | 0.0      | 0.000       | 0.162       | 24.4       | 74        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 1/10/13 | 18:00 | 0.00       | 0.0      | 0.000       | 0.132       | 21.8       | 77        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 1/10/13 | 19:00 | 0.00       | 0.0      | 0.000       | 0.123       | 20.4       | 79        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 1/10/13 | 20:00 | 0.00       | 0.0      | 0.000       | 0.125       | 19.9       | 80        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 1/10/13 | 21:00 | 0.00       | 0.0      | 0.000       | 0.125       | 19.5       | 81        | 0.00 | 1367         | 1          | 99.9           | 60           |
| 1/10/13 | 22:00 | 0.00       | 0.0      | 0.000       | 0.130       | 19.2       | 82        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 1/10/13 | 23:00 | 0.00       | 0.0      | 0.000       | 0.125       | 18.9       | 83        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 2/10/13 | 00:00 | 0.00       | 0.0      | 0.000       | 0.123       | 18.6       | 83        | 0.00 | 1368         | 1          | 100.0          | 60           |



## Ivinhema 2/10/13

| 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. |
|---------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 2/10/13 | 1:00  | 0.00       | 0.0      | 0.000       | 0.125       | 18.6       | 84        | 0.00 | 1369         | 1          | 100.0          | 60           |
| 2/10/13 | 2:00  | 0.00       | 0.0      | 0.000       | 0.134       | 18.4       | 84        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 2/10/13 | 3:00  | 0.00       | 0.0      | 0.000       | 0.137       | 18.2       | 85        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 2/10/13 | 4:00  | 0.00       | 0.0      | 0.000       | 0.123       | 17.8       | 85        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 2/10/13 | 5:00  | 0.00       | 0.0      | 0.000       | 0.113       | 17.4       | 86        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 2/10/13 | 6:00  | 0.00       | 0.0      | 0.000       | 0.125       | 17.6       | 84        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 2/10/13 | 7:00  | 0.00       | 0.0      | 0.000       | 0.144       | 19.2       | 79        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 2/10/13 | 8:00  | 0.13       | 0.4      | 0.000       | 0.157       | 21.0       | 72        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 2/10/13 | 9:00  | 0.21       | 0.6      | 0.000       | 0.176       | 23.6       | 66        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 2/10/13 | 10:00 | 0.39       | 1.5      | 0.000       | 0.181       | 25.9       | 56        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 2/10/13 | 11:00 | 0.47       | 1.6      | 0.000       | 0.157       | 28.4       | 53        | 0.13 | 1331         | 1          | 97.3           | 60           |
| 2/10/13 | 12:00 | 0.77       | 2.6      | 0.000       | 0.190       | 32.2       | 47        | 0.23 | 1368         | 1          | 100.0          | 60           |
| 2/10/13 | 13:00 | 0.47       | 2.5      | 0.000       | 0.231       | 33.5       | 53        | 0.13 | 1368         | 1          | 100.0          | 60           |
| 2/10/13 | 14:00 | 0.47       | 1.8      | 0.000       | 0.231       | 31.7       | 49        | 0.18 | 1368         | 1          | 100.0          | 60           |
| 2/10/13 | 15:00 | 0.39       | 1.6      | 0.000       | 0.222       | 33.2       | 50        | 0.18 | 1368         | 1          | 100.0          | 60           |
| 2/10/13 | 16:00 | 0.17       | 0.6      | 0.000       | 0.222       | 31.9       | 53        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 2/10/13 | 17:00 | 0.00       | 0.3      | 0.000       | 0.197       | 29.2       | 57        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 2/10/13 | 18:00 | 0.00       | 0.0      | 0.000       | 0.169       | 26.8       | 61        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 2/10/13 | 19:00 | 0.00       | 0.0      | 0.000       | 0.134       | 23.1       | 74        | 0.00 | 1330         | 1          | 97.2           | 60           |
| 2/10/13 | 20:00 | 0.00       | 0.0      | 0.000       | 0.146       | 21.0       | 79        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 2/10/13 | 21:00 | 0.00       | 0.0      | 0.000       | 0.153       | 20.4       | 81        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 2/10/13 | 22:00 | 0.00       | 0.0      | 0.000       | 0.169       | 20.3       | 82        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 2/10/13 | 23:00 | 0.00       | 0.0      | 0.000       | 0.181       | 20.3       | 83        | 0.00 | 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. |
|---------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 3/10/13 | 5:00  | 0.00       | 0.0      | 0.000       | 0.213       | 19.6       | 85        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 3/10/13 | 6:00  | 0.00       | 0.0      | 0.000       | 0.231       | 19.8       | 85        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 3/10/13 | 7:00  | 0.00       | 0.3      | 0.000       | 0.245       | 20.7       | 79        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 3/10/13 | 8:00  | 0.17       | 0.4      | 0.000       | 0.285       | 24.3       | 69        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 3/10/13 | 9:00  | 0.21       | 1.0      | 0.000       | 0.278       | 25.8       | 63        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 3/10/13 | 10:00 | 0.60       | 2.2      | 0.000       | 0.280       | 29.7       | 51        | 0.18 | 1368         | 1          | 100.0          | 60           |
| 3/10/13 | 11:00 | 0.81       | 3.1      | 0.000       | 0.310       | 33.8       | 48        | 0.23 | 1368         | 1          | 100.0          | 60           |
| 3/10/13 | 12:00 | 1.29       | 3.6      | 0.000       | 0.417       | 38.2       | 48        | 0.46 | 1368         | 1          | 100.0          | 60           |
| 3/10/13 | 13:00 | 0.86       | 3.1      | 0.000       | 0.516       | 40.3       | 50        | 0.36 | 1368         | 1          | 100.0          | 60           |
| 3/10/13 | 14:00 | 0.64       | 2.6      | 0.000       | 0.565       | 40.8       | 51        | 0.36 | 1368         | 1          | 100.0          | 60           |
| 3/10/13 | 15:00 | 0.30       | 1.4      | 0.000       | 0.553       | 40.1       | 54        | 0.18 | 1368         | 1          | 100.0          | 60           |
| 3/10/13 | 16:00 | 0.13       | 0.5      | 0.000       | 0.500       | 37.0       | 57        | 0.13 | 1368         | 1          | 100.0          | 60           |
| 3/10/13 | 17:00 | 0.00       | 0.0      | 0.000       | 0.241       | 31.1       | 56        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 3/10/13 | 18:00 | 0.00       | 0.0      | 0.000       | 0.183       | 25.9       | 61        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 3/10/13 | 19:00 | 0.00       | 0.0      | 0.000       | 0.204       | 24.9       | 65        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 3/10/13 | 20:00 | 0.00       | 0.0      | 0.000       | 0.220       | 23.1       | 77        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 3/10/13 | 21:00 | 0.00       | 0.0      | 0.000       | 0.220       | 21.5       | 82        | 0.03 | 1367         | 1          | 99.9           | 60           |
| 3/10/13 | 22:00 | 0.00       | 0.0      | 0.000       | 0.227       | 21.0       | 84        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 3/10/13 | 23:00 | 0.00       | 0.0      | 0.000       | 0.245       | 20.7       | 86        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 4/10/13 | 00:00 | 0.00       | 0.0      | 0.000       | 0.255       | 20.4       | 87        | 0.00 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 4/10/13

| 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. |
|---------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 4/10/13 | 1:00  | 0.00       | 0.0      | 0.000       | 0.259       | 20.3       | 88        | 0.00 | 1369         | 1          | 100.0          | 60           |
| 4/10/13 | 2:00  | 0.00       | 0.0      | 0.000       | 0.262       | 20.2       | 89        | 0.00 | 1308         | 1          | 95.6           | 60           |
| 4/10/13 | 3:00  | 0.00       | 0.0      | 0.000       | 0.250       | 19.9       | 89        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 4/10/13 | 4:00  | 0.00       | 0.0      | 0.000       | 0.259       | 19.9       | 90        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 4/10/13 | 5:00  | 0.00       | 0.0      | 0.000       | 0.273       | 19.9       | 90        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 4/10/13 | 6:00  | 0.00       | 0.0      | 0.000       | 0.278       | 20.0       | 90        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 4/10/13 | 7:00  | 0.00       | 0.3      | 0.000       | 0.294       | 21.2       | 77        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 4/10/13 | 8:00  | 0.17       | 0.6      | 0.000       | 0.310       | 24.7       | 65        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 4/10/13 | 9:00  | 0.34       | 1.3      | 0.000       | 0.306       | 26.9       | 56        | 0.15 | 1368         | 1          | 100.0          | 60           |
| 4/10/13 | 10:00 | 0.43       | 1.3      | 0.000       | 0.252       | 28.8       | 56        | 0.15 | 1368         | 1          | 100.0          | 60           |
| 4/10/13 | 11:00 | 0.56       | 2.2      | 0.000       | 0.215       | 30.3       | 51        | 0.20 | 1368         | 1          | 100.0          | 60           |
| 4/10/13 | 12:00 | 0.56       | 1.9      | 0.000       | 0.218       | 31.4       | 49        | 0.20 | 1368         | 1          | 100.0          | 60           |
| 4/10/13 | 13:00 | 0.60       | 2.1      | 0.000       | 0.241       | 32.7       | 49        | 0.25 | 1368         | 1          | 100.0          | 60           |
| 4/10/13 | 14:00 | 0.34       | 1.1      | 0.000       | 0.243       | 31.7       | 52        | 0.18 | 1331         | 1          | 97.3           | 60           |
| 4/10/13 | 15:00 | 0.21       | 0.8      | 0.000       | 0.215       | 29.9       | 56        | 0.13 | 1368         | 1          | 100.0          | 60           |
| 4/10/13 | 16:00 | 0.04       | 0.3      | 0.000       | 0.178       | 27.6       | 61        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 4/10/13 | 17:00 | 0.00       | 0.0      | 0.000       | 0.155       | 24.8       | 73        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 4/10/13 | 18:00 | 0.00       | 0.0      | 0.000       | 0.118       | 21.7       | 79        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 4/10/13 | 19:00 | 0.00       | 0.0      | 0.000       | 0.100       | 20.2       | 82        | 0.03 | 1367         | 1          | 99.9           | 60           |
| 4/10/13 | 20:00 | 0.00       | 0.0      | 0.000       | 0.060       | 19.3       | 83        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 4/10/13 | 21:00 | 0.00       | 0.0      | 0.000       | 0.030       | 18.3       | 85        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 4/10/13 | 22:00 | 0.00       | 0.0      | 0.000       | 0.007       | 17.4       | 85        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 4/10/13 | 23:00 | 0.00       | 0.0      | 0.016       | 0.000       | 16.5       | 85        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 5/10/13 | 00:00 | 0.00       | 0.0      | 0.056       | 0.000       | 15.7       | 87        | 0.03 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 5/10/13

| 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. |
|---------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 5/10/13 | 1:00  | 0.00       | 0.0      | 0.065       | 0.000       | 15.7       | 87        | 0.03 | 1369         | 1          | 100.0          | 60           |
| 5/10/13 | 2:00  | 0.00       | 0.0      | 0.106       | 0.000       | 15.2       | 86        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 5/10/13 | 3:00  | 0.00       | 0.0      | 0.153       | 0.000       | 13.8       | 87        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 5/10/13 | 4:00  | 0.00       | 0.0      | 0.183       | 0.000       | 12.7       | 87        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 5/10/13 | 5:00  | 0.00       | 0.0      | 0.211       | 0.000       | 11.7       | 87        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 5/10/13 | 6:00  | 0.00       | 0.0      | 0.218       | 0.000       | 11.6       | 85        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 5/10/13 | 7:00  | 0.13       | 0.5      | 0.141       | 0.000       | 16.7       | 74        | 0.15 | 1368         | 1          | 100.0          | 60           |
| 5/10/13 | 8:00  | 0.39       | 1.3      | 0.042       | 0.000       | 22.8       | 61        | 0.28 | 1368         | 1          | 100.0          | 60           |
| 5/10/13 | 9:00  | 0.77       | 2.2      | 0.000       | 0.049       | 27.1       | 53        | 0.41 | 1307         | 1          | 95.5           | 60           |
| 5/10/13 | 10:00 | 1.16       | 3.1      | 0.000       | 0.102       | 31.5       | 41        | 0.46 | 1368         | 1          | 100.0          | 60           |
| 5/10/13 | 11:00 | 1.46       | 3.6      | 0.000       | 0.146       | 34.3       | 40        | 0.51 | 1368         | 1          | 100.0          | 60           |
| 5/10/13 | 12:00 | 1.59       | 3.7      | 0.000       | 0.194       | 35.1       | 41        | 0.53 | 1368         | 1          | 100.0          | 60           |
| 5/10/13 | 13:00 | 1.41       | 3.6      | 0.000       | 0.234       | 35.3       | 43        | 0.53 | 1368         | 1          | 100.0          | 60           |
| 5/10/13 | 14:00 | 1.07       | 2.9      | 0.000       | 0.262       | 35.3       | 44        | 0.48 | 1368         | 1          | 100.0          | 60           |
| 5/10/13 | 15:00 | 0.64       | 2.0      | 0.000       | 0.275       | 35.7       | 45        | 0.38 | 1368         | 1          | 100.0          | 60           |
| 5/10/13 | 16:00 | 0.30       | 1.1      | 0.000       | 0.282       | 35.6       | 44        | 0.28 | 1368         | 1          | 100.0          | 60           |
| 5/10/13 | 17:00 | 0.04       | 0.4      | 0.000       | 0.255       | 34.2       | 44        | 0.13 | 1368         | 1          | 100.0          | 60           |
| 5/10/13 | 18:00 | 0.00       | 0.0      | 0.000       | 0.134       | 28.7       | 49        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 5/10/13 | 19:00 | 0.00       | 0.0      | 0.005       | 0.000       | 23.1       | 51        | 0.03 | 1367         | 1          | 99.9           | 60           |
| 5/10/13 | 20:00 | 0.00       | 0.0      | 0.088       | 0.000       | 20.2       | 52        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 5/10/13 | 21:00 | 0.00       | 0.0      | 0.146       | 0.000       | 18.3       | 53        | 0.03 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 6/10/13

| 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. |
|---------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 6/10/13 | 8:00  | 0.39       | 1.3      | 0.023       | 0.000       | 23.2       | 56        | 0.23 | 1368         | 1          | 100.0          | 60           |
| 6/10/13 | 9:00  | 0.73       | 2.2      | 0.000       | 0.090       | 28.7       | 49        | 0.33 | 1368         | 1          | 100.0          | 60           |
| 6/10/13 | 10:00 | 1.11       | 3.1      | 0.000       | 0.190       | 33.6       | 41        | 0.43 | 1368         | 1          | 100.0          | 60           |
| 6/10/13 | 11:00 | 1.41       | 3.6      | 0.000       | 0.266       | 36.4       | 40        | 0.56 | 1368         | 1          | 100.0          | 60           |
| 6/10/13 | 12:00 | 1.54       | 3.6      | 0.000       | 0.313       | 37.7       | 40        | 0.53 | 1368         | 1          | 100.0          | 60           |
| 6/10/13 | 13:00 | 1.33       | 3.5      | 0.000       | 0.336       | 37.8       | 43        | 0.51 | 1368         | 1          | 100.0          | 60           |
| 6/10/13 | 14:00 | 0.81       | 2.6      | 0.000       | 0.347       | 37.9       | 43        | 0.36 | 1368         | 1          | 100.0          | 60           |
| 6/10/13 | 15:00 | 0.43       | 1.2      | 0.000       | 0.319       | 36.6       | 42        | 0.30 | 1368         | 1          | 100.0          | 60           |
| 6/10/13 | 16:00 | 0.17       | 0.8      | 0.000       | 0.308       | 34.7       | 47        | 0.15 | 1368         | 1          | 100.0          | 60           |
| 6/10/13 | 17:00 | 0.00       | 0.0      | 0.000       | 0.250       | 30.8       | 49        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 6/10/13 | 18:00 | 0.00       | 0.0      | 0.000       | 0.178       | 27.8       | 50        | 0.03 | 1330         | 1          | 97.2           | 60           |
| 6/10/13 | 19:00 | 0.00       | 0.0      | 0.000       | 0.083       | 25.3       | 52        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 6/10/13 | 20:00 | 0.00       | 0.0      | 0.000       | 0.056       | 23.9       | 52        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 6/10/13 | 21:00 | 0.00       | 0.0      | 0.000       | 0.016       | 22.8       | 53        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 6/10/13 | 22:00 | 0.00       | 0.0      | 0.007       | 0.000       | 21.6       | 53        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 6/10/13 | 23:00 | 0.00       | 0.0      | 0.007       | 0.000       | 20.1       | 57        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 7/10/13 | 00:00 | 0.00       | 0.0      | 0.060       | 0.000       | 17.0       | 67        | 0.03 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 7/10/13

| 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. |
|---------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 7/10/13 | 1:00  | 0.00       | 0.0      | 0.079       | 0.000       | 15.6       | 70        | 0.03 | 1369         | 1          | 100.0          | 60           |
| 7/10/13 | 2:00  | 0.00       | 0.0      | 0.072       | 0.000       | 15.3       | 72        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 7/10/13 | 3:00  | 0.00       | 0.0      | 0.063       | 0.000       | 15.1       | 73        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 7/10/13 | 4:00  | 0.00       | 0.0      | 0.104       | 0.000       | 14.1       | 73        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 7/10/13 | 5:00  | 0.00       | 0.0      | 0.125       | 0.000       | 13.1       | 75        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 7/10/13 | 6:00  | 0.00       | 0.0      | 0.032       | 0.000       | 14.4       | 73        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 7/10/13 | 7:00  | 0.13       | 0.5      | 0.000       | 0.007       | 20.4       | 65        | 0.13 | 1368         | 1          | 100.0          | 60           |
| 7/10/13 | 8:00  | 0.39       | 1.3      | 0.000       | 0.065       | 25.7       | 55        | 0.28 | 1368         | 1          | 100.0          | 60           |
| 7/10/13 | 14:00 | 0.99       | 2.8      | 0.000       | 0.382       | 37.6       | 43        | 0.43 | 1368         | 1          | 100.0          | 60           |
| 7/10/13 | 15:00 | 0.56       | 1.9      | 0.000       | 0.400       | 37.8       | 44        | 0.30 | 1368         | 1          | 100.0          | 60           |
| 7/10/13 | 16:00 | 0.30       | 1.0      | 0.000       | 0.405       | 37.6       | 43        | 0.23 | 1368         | 1          | 100.0          | 60           |
| 7/10/13 | 17:00 | 0.04       | 0.4      | 0.000       | 0.387       | 36.5       | 44        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 7/10/13 | 18:00 | 0.00       | 0.0      | 0.000       | 0.287       | 31.8       | 48        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 7/10/13 | 19:00 | 0.00       | 0.0      | 0.000       | 0.190       | 27.0       | 49        | 0.05 | 1306         | 1          | 95.5           | 60           |
| 7/10/13 | 20:00 | 0.00       | 0.0      | 0.000       | 0.146       | 25.1       | 50        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 7/10/13 | 21:00 | 0.00       | 0.0      | 0.000       | 0.116       | 24.5       | 50        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 7/10/13 | 22:00 | 0.00       | 0.0      | 0.000       | 0.093       | 23.8       | 51        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 7/10/13 | 23:00 | 0.00       | 0.0      | 0.000       | 0.083       | 23.2       | 52        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 8/10/13 | 00:00 | 0.00       | 0.0      | 0.000       | 0.079       | 23.4       | 52        | 0.10 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 8/10/13

| 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. |
|---------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 8/10/13 | 1:00  | 0.00       | 0.0      | 0.000       | 0.023       | 22.1       | 56        | 0.08 | 1369         | 1          | 100.0          | 60           |
| 8/10/13 | 2:00  | 0.00       | 0.0      | 0.019       | 0.000       | 19.1       | 64        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 8/10/13 | 3:00  | 0.00       | 0.0      | 0.056       | 0.000       | 17.1       | 67        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 8/10/13 | 4:00  | 0.00       | 0.0      | 0.088       | 0.000       | 15.9       | 68        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 8/10/13 | 5:00  | 0.00       | 0.0      | 0.111       | 0.000       | 14.9       | 69        | 0.03 | 1331         | 1          | 97.3           | 60           |
| 8/10/13 | 6:00  | 0.00       | 0.0      | 0.113       | 0.000       | 15.3       | 68        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 8/10/13 | 7:00  | 0.13       | 0.5      | 0.069       | 0.000       | 19.4       | 62        | 0.15 | 1368         | 1          | 100.0          | 60           |
| 8/10/13 | 8:00  | 0.39       | 1.3      | 0.000       | 0.000       | 24.1       | 53        | 0.28 | 1368         | 1          | 100.0          | 60           |
| 8/10/13 | 9:00  | 0.77       | 2.2      | 0.000       | 0.086       | 27.7       | 49        | 0.38 | 1368         | 1          | 100.0          | 60           |
| 8/10/13 | 10:00 | 1.16       | 3.1      | 0.000       | 0.160       | 31.8       | 38        | 0.43 | 1330         | 1          | 97.2           | 60           |
| 8/10/13 | 11:00 | 1.46       | 3.6      | 0.000       | 0.222       | 35.2       | 36        | 0.51 | 1368         | 1          | 100.0          | 60           |
| 8/10/13 | 12:00 | 1.54       | 3.6      | 0.000       | 0.275       | 36.3       | 36        | 0.53 | 1368         | 1          | 100.0          | 60           |
| 8/10/13 | 13:00 | 1.33       | 3.4      | 0.000       | 0.315       | 36.8       | 39        | 0.51 | 1368         | 1          | 100.0          | 60           |
| 8/10/13 | 14:00 | 0.99       | 2.8      | 0.000       | 0.350       | 37.1       | 40        | 0.46 | 1368         | 1          | 100.0          | 60           |
| 8/10/13 | 15:00 | 0.60       | 1.9      | 0.000       | 0.368       | 37.4       | 41        | 0.36 | 1368         | 1          | 100.0          | 60           |
| 8/10/13 | 16:00 | 0.30       | 1.0      | 0.000       | 0.370       | 37.2       | 40        | 0.23 | 1368         | 1          | 100.0          | 60           |
| 8/10/13 | 17:00 | 0.04       | 0.4      | 0.000       | 0.340       | 35.7       | 42        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 8/10/13 | 18:00 | 0.00       | 0.0      | 0.000       | 0.262       | 31.2       | 45        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 8/10/13 | 19:00 | 0.00       | 0.0      | 0.000       | 0.157       | 26.6       | 47        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 8/10/13 | 20:00 | 0.00       | 0.0      | 0.000       | 0.132       | 24.7       | 47        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 8/10/13 | 21:00 | 0.00       | 0.0      | 0.000       | 0.074       | 23.0       | 48        | 0.03 | 1367         | 1          | 99.9           | 60           |
| 8/10/13 | 22:00 | 0.00       | 0.0      | 0.000       | 0.104       | 22.9       | 48        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 8/10/13 | 23:00 | 0.00       | 0.0      | 0.000       | 0.067       | 22.5       | 49        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 9/10/13 | 00:00 | 0.00       | 0.0      | 0.000       | 0.083       | 22.3       | 51        | 0.03 | 1331         | 1          | 97.3           | 60           |

## Ivinhema 9/10/13

| 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. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 9/10/13  | 1:00  | 0.00       | 0.0      | 0.000       | 0.106       | 23.2       | 52        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 9/10/13  | 2:00  | 0.00       | 0.0      | 0.000       | 0.088       | 21.6       | 61        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 9/10/13  | 3:00  | 0.00       | 0.0      | 0.000       | 0.058       | 19.8       | 64        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 9/10/13  | 4:00  | 0.00       | 0.0      | 0.000       | 0.021       | 18.7       | 65        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 9/10/13  | 5:00  | 0.00       | 0.0      | 0.035       | 0.000       | 17.2       | 67        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 9/10/13  | 6:00  | 0.00       | 0.0      | 0.046       | 0.000       | 17.0       | 66        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 9/10/13  | 7:00  | 0.13       | 0.5      | 0.000       | 0.009       | 21.2       | 60        | 0.15 | 1368         | 1          | 100.0          | 60           |
| 9/10/13  | 8:00  | 0.39       | 1.3      | 0.000       | 0.072       | 25.5       | 52        | 0.28 | 1368         | 1          | 100.0          | 60           |
| 9/10/13  | 9:00  | 0.77       | 2.3      | 0.000       | 0.130       | 28.3       | 47        | 0.41 | 1368         | 1          | 100.0          | 60           |
| 9/10/13  | 10:00 | 1.20       | 3.2      | 0.000       | 0.192       | 31.8       | 38        | 0.48 | 1368         | 1          | 100.0          | 60           |
| 9/10/13  | 11:00 | 1.50       | 3.7      | 0.000       | 0.259       | 35.3       | 36        | 0.53 | 1368         | 1          | 100.0          | 60           |
| 9/10/13  | 12:00 | 1.59       | 3.7      | 0.000       | 0.345       | 36.9       | 36        | 0.58 | 1368         | 1          | 100.0          | 60           |
| 9/10/13  | 13:00 | 1.41       | 3.6      | 0.000       | 0.394       | 37.6       | 38        | 0.58 | 1368         | 1          | 100.0          | 60           |
| 9/10/13  | 14:00 | 1.03       | 2.9      | 0.000       | 0.421       | 37.9       | 39        | 0.51 | 1368         | 1          | 100.0          | 60           |
| 9/10/13  | 15:00 | 0.64       | 2.0      | 0.000       | 0.431       | 38.1       | 40        | 0.43 | 1368         | 1          | 100.0          | 60           |
| 9/10/13  | 16:00 | 0.30       | 1.1      | 0.000       | 0.433       | 37.9       | 39        | 0.30 | 1368         | 1          | 100.0          | 60           |
| 9/10/13  | 17:00 | 0.04       | 0.4      | 0.000       | 0.412       | 36.8       | 40        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 9/10/13  | 18:00 | 0.00       | 0.0      | 0.000       | 0.326       | 32.8       | 44        | 0.03 | 1331         | 1          | 97.3           | 60           |
| 9/10/13  | 19:00 | 0.00       | 0.0      | 0.000       | 0.257       | 28.8       | 45        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 9/10/13  | 20:00 | 0.00       | 0.0      | 0.000       | 0.194       | 26.6       | 46        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 9/10/13  | 21:00 | 0.00       | 0.0      | 0.000       | 0.137       | 25.1       | 46        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 9/10/13  | 22:00 | 0.00       | 0.0      | 0.000       | 0.072       | 22.9       | 48        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 9/10/13  | 23:00 | 0.00       | 0.0      | 0.000       | 0.100       | 22.7       | 48        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 10/10/13 | 00:00 | 0.00       | 0.0      | 0.000       | 0.069       | 22.3       | 48        | 0.03 | 1368         | 1          | 100.0          | 60           |



## Ivinhema 10/10/13

| 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. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 10/10/13 | 1:00  | 0.00       | 0.0      | 0.000       | 0.021       | 21.0       | 50        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 10/10/13 | 2:00  | 0.00       | 0.0      | 0.000       | 0.030       | 18.7       | 59        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 10/10/13 | 3:00  | 0.00       | 0.0      | 0.019       | 0.000       | 16.7       | 63        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 10/10/13 | 4:00  | 0.00       | 0.0      | 0.000       | 0.062       | 17.3       | 64        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 10/10/13 | 5:00  | 0.00       | 0.0      | 0.000       | 0.046       | 18.3       | 64        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 10/10/13 | 6:00  | 0.00       | 0.0      | 0.028       | 0.000       | 17.5       | 64        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 10/10/13 | 7:00  | 0.13       | 0.6      | 0.000       | 0.058       | 21.1       | 56        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 10/10/13 | 8:00  | 0.34       | 1.2      | 0.000       | 0.134       | 27.0       | 44        | 0.25 | 1368         | 1          | 100.0          | 60           |
| 10/10/13 | 9:00  | 0.69       | 2.0      | 0.000       | 0.208       | 32.2       | 38        | 0.38 | 1368         | 1          | 100.0          | 60           |
| 10/10/13 | 10:00 | 0.94       | 2.4      | 0.000       | 0.266       | 34.9       | 36        | 0.41 | 1368         | 1          | 100.0          | 60           |
| 10/10/13 | 11:00 | 1.11       | 3.5      | 0.000       | 0.331       | 36.7       | 36        | 0.46 | 1368         | 1          | 100.0          | 60           |
| 10/10/13 | 12:00 | 1.29       | 3.6      | 0.000       | 0.373       | 38.0       | 36        | 0.51 | 1368         | 1          | 100.0          | 60           |
| 10/10/13 | 13:00 | 1.03       | 3.1      | 0.000       | 0.407       | 38.4       | 37        | 0.46 | 1368         | 1          | 100.0          | 60           |
| 10/10/13 | 14:00 | 0.77       | 2.2      | 0.000       | 0.424       | 38.6       | 38        | 0.38 | 1368         | 1          | 100.0          | 60           |
| 10/10/13 | 15:00 | 0.39       | 1.3      | 0.000       | 0.400       | 37.3       | 39        | 0.23 | 1368         | 1          | 100.0          | 60           |
| 10/10/13 | 16:00 | 0.21       | 0.7      | 0.000       | 0.387       | 35.8       | 42        | 0.13 | 1368         | 1          | 100.0          | 60           |
| 10/10/13 | 22:00 | 0.00       | 0.0      | 0.000       | 0.181       | 26.2       | 47        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 10/10/13 | 23:00 | 0.00       | 0.0      | 0.000       | 0.100       | 24.2       | 49        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 11/10/13 | 00:00 | 0.00       | 0.0      | 0.000       | 0.062       | 22.0       | 57        | 0.03 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 11/10/13

| 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. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 11/10/13 | 1:00  | 0.00       | 0.0      | 0.000       | 0.097       | 20.2       | 61        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 11/10/13 | 2:00  | 0.00       | 0.0      | 0.000       | 0.056       | 19.2       | 63        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 11/10/13 | 8:00  | 0.34       | 1.1      | 0.000       | 0.194       | 28.9       | 43        | 0.20 | 1368         | 1          | 100.0          | 60           |
| 11/10/13 | 9:00  | 0.43       | 1.4      | 0.000       | 0.218       | 31.4       | 39        | 0.25 | 1368         | 1          | 100.0          | 60           |
| 11/10/13 | 10:00 | 0.90       | 2.6      | 0.000       | 0.273       | 33.9       | 36        | 0.38 | 1368         | 1          | 100.0          | 60           |
| 11/10/13 | 11:00 | 1.03       | 2.8      | 0.000       | 0.343       | 37.2       | 36        | 0.43 | 1368         | 1          | 100.0          | 60           |
| 11/10/13 | 12:00 | 0.39       | 1.6      | 0.000       | 0.315       | 35.4       | 41        | 0.15 | 1368         | 1          | 100.0          | 60           |
| 11/10/13 | 13:00 | 0.39       | 1.2      | 0.000       | 0.285       | 32.6       | 43        | 0.13 | 1368         | 1          | 100.0          | 60           |
| 11/10/13 | 14:00 | 0.17       | 0.6      | 0.000       | 0.273       | 31.2       | 45        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 11/10/13 | 15:00 | 0.17       | 0.5      | 0.000       | 0.287       | 30.8       | 45        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 11/10/13 | 16:00 | 0.09       | 0.4      | 0.000       | 0.296       | 31.1       | 46        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 11/10/13 | 17:00 | 0.00       | 0.0      | 0.000       | 0.264       | 29.2       | 48        | 0.03 | 1331         | 1          | 97.3           | 60           |
| 11/10/13 | 18:00 | 0.00       | 0.0      | 0.000       | 0.206       | 25.9       | 57        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 11/10/13 | 19:00 | 0.00       | 0.0      | 0.000       | 0.183       | 23.2       | 61        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 11/10/13 | 20:00 | 0.00       | 0.0      | 0.000       | 0.141       | 21.2       | 63        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 11/10/13 | 21:00 | 0.00       | 0.0      | 0.000       | 0.125       | 20.5       | 64        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 11/10/13 | 22:00 | 0.00       | 0.0      | 0.000       | 0.113       | 19.9       | 65        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 11/10/13 | 23:00 | 0.00       | 0.0      | 0.000       | 0.123       | 19.7       | 65        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 12/10/13 | 00:00 | 0.00       | 0.0      | 0.000       | 0.111       | 19.3       | 66        | 0.03 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 12/10/13

| 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. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 12/10/13 | 1:00  | 0.00       | 0.0      | 0.000       | 0.102       | 19.2       | 66        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 12/10/13 | 2:00  | 0.00       | 0.0      | 0.000       | 0.120       | 19.1       | 67        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 12/10/13 | 3:00  | 0.00       | 0.0      | 0.000       | 0.141       | 19.0       | 67        | 0.00 | 1331         | 1          | 97.3           | 60           |
| 12/10/13 | 4:00  | 0.00       | 0.0      | 0.000       | 0.153       | 19.0       | 67        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 12/10/13 | 5:00  | 0.00       | 0.0      | 0.000       | 0.130       | 18.6       | 67        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 12/10/13 | 6:00  | 0.00       | 0.0      | 0.000       | 0.123       | 18.3       | 67        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 12/10/13 | 7:00  | 0.09       | 0.5      | 0.000       | 0.167       | 20.4       | 55        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 12/10/13 | 8:00  | 0.34       | 1.3      | 0.000       | 0.245       | 27.5       | 46        | 0.18 | 1331         | 1          | 97.3           | 60           |
| 12/10/13 | 9:00  | 0.69       | 2.1      | 0.000       | 0.236       | 33.1       | 40        | 0.30 | 1368         | 1          | 100.0          | 60           |
| 12/10/13 | 10:00 | 0.90       | 3.3      | 0.000       | 0.275       | 35.6       | 38        | 0.33 | 1368         | 1          | 100.0          | 60           |
| 12/10/13 | 11:00 | 1.11       | 3.8      | 0.000       | 0.336       | 37.4       | 38        | 0.41 | 1368         | 1          | 100.0          | 60           |
| 12/10/13 | 12:00 | 1.16       | 3.9      | 0.000       | 0.394       | 38.6       | 38        | 0.43 | 1368         | 1          | 100.0          | 60           |
| 12/10/13 | 13:00 | 0.81       | 2.8      | 0.000       | 0.407       | 38.3       | 39        | 0.30 | 1368         | 1          | 100.0          | 60           |
| 12/10/13 | 14:00 | 0.77       | 2.7      | 0.000       | 0.461       | 39.1       | 39        | 0.38 | 1368         | 1          | 100.0          | 60           |
| 12/10/13 | 15:00 | 0.34       | 1.2      | 0.000       | 0.433       | 37.7       | 40        | 0.18 | 1368         | 1          | 100.0          | 60           |
| 12/10/13 | 16:00 | 0.21       | 0.8      | 0.000       | 0.428       | 36.6       | 42        | 0.13 | 1368         | 1          | 100.0          | 60           |
| 12/10/13 | 17:00 | 0.00       | 0.3      | 0.000       | 0.377       | 33.7       | 45        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 12/10/13 | 18:00 | 0.00       | 0.0      | 0.000       | 0.310       | 30.7       | 47        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 12/10/13 | 19:00 | 0.00       | 0.0      | 0.000       | 0.296       | 29.6       | 47        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 12/10/13 | 20:00 | 0.00       | 0.0      | 0.000       | 0.282       | 28.8       | 45        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 12/10/13 | 21:00 | 0.00       | 0.0      | 0.000       | 0.148       | 25.7       | 50        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 12/10/13 | 22:00 | 0.00       | 0.0      | 0.000       | 0.148       | 23.7       | 58        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 12/10/13 | 23:00 | 0.00       | 0.0      | 0.000       | 0.148       | 20.9       | 65        | 0.03 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 13/10/13

| 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. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 13/10/13 | 5:00  | 0.00       | 0.0      | 0.000       | 0.076       | 18.2       | 75        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 13/10/13 | 6:00  | 0.00       | 0.0      | 0.000       | 0.062       | 17.7       | 71        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 13/10/13 | 7:00  | 0.13       | 0.5      | 0.000       | 0.153       | 23.0       | 56        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 13/10/13 | 8:00  | 0.17       | 0.5      | 0.000       | 0.167       | 26.7       | 57        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 13/10/13 | 9:00  | 0.30       | 0.8      | 0.000       | 0.181       | 27.3       | 51        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 13/10/13 | 10:00 | 0.39       | 1.4      | 0.000       | 0.208       | 29.6       | 47        | 0.15 | 1368         | 1          | 100.0          | 60           |
| 13/10/13 | 11:00 | 0.21       | 1.3      | 0.000       | 0.178       | 29.3       | 55        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 13/10/13 | 12:00 | 0.34       | 1.5      | 0.000       | 0.176       | 27.1       | 47        | 0.13 | 1368         | 1          | 100.0          | 60           |
| 13/10/13 | 13:00 | 0.60       | 1.7      | 0.000       | 0.234       | 32.1       | 45        | 0.25 | 1368         | 1          | 100.0          | 60           |
| 13/10/13 | 14:00 | 0.30       | 0.8      | 0.000       | 0.227       | 31.0       | 49        | 0.13 | 1368         | 1          | 100.0          | 60           |
| 13/10/13 | 15:00 | 0.21       | 0.6      | 0.000       | 0.229       | 30.2       | 50        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 13/10/13 | 16:00 | 0.13       | 0.4      | 0.000       | 0.220       | 29.1       | 55        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 13/10/13 | 17:00 | 0.04       | 0.3      | 0.000       | 0.213       | 27.9       | 56        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 13/10/13 | 18:00 | 0.00       | 0.0      | 0.000       | 0.183       | 25.8       | 66        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 13/10/13 | 19:00 | 0.00       | 0.0      | 0.000       | 0.137       | 21.6       | 71        | 0.03 | 1331         | 1          | 97.3           | 60           |
| 13/10/13 | 20:00 | 0.00       | 0.0      | 0.000       | 0.086       | 19.1       | 74        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 13/10/13 | 21:00 | 0.00       | 0.0      | 0.000       | 0.025       | 17.6       | 75        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 13/10/13 | 22:00 | 0.00       | 0.0      | 0.000       | 0.030       | 16.8       | 76        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 13/10/13 | 23:00 | 0.00       | 0.0      | 0.000       | 0.039       | 16.5       | 77        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 14/10/13 | 00:00 | 0.00       | 0.0      | 0.000       | 0.009       | 16.3       | 76        | 0.00 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 14/10/13

| 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. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 14/10/13 | 1:00  | 0.00       | 0.0      | 0.000       | 0.019       | 15.8       | 77        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 14/10/13 | 2:00  | 0.00       | 0.0      | 0.000       | 0.042       | 15.7       | 77        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 14/10/13 | 3:00  | 0.00       | 0.0      | 0.000       | 0.035       | 15.6       | 78        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 14/10/13 | 4:00  | 0.00       | 0.0      | 0.000       | 0.035       | 15.4       | 78        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 14/10/13 | 5:00  | 0.00       | 0.0      | 0.000       | 0.007       | 15.3       | 79        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 14/10/13 | 6:00  | 0.00       | 0.0      | 0.000       | 0.021       | 15.6       | 73        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 14/10/13 | 7:00  | 0.13       | 0.4      | 0.000       | 0.118       | 20.2       | 60        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 14/10/13 | 8:00  | 0.30       | 1.2      | 0.000       | 0.211       | 25.2       | 50        | 0.13 | 1368         | 1          | 100.0          | 60           |
| 14/10/13 | 9:00  | 0.56       | 1.7      | 0.000       | 0.273       | 31.6       | 45        | 0.23 | 1330         | 1          | 97.2           | 60           |
| 14/10/13 | 10:00 | 0.90       | 2.6      | 0.000       | 0.255       | 35.6       | 44        | 0.30 | 1368         | 1          | 100.0          | 60           |
| 14/10/13 | 11:00 | 1.24       | 3.1      | 0.000       | 0.347       | 38.7       | 44        | 0.38 | 1368         | 1          | 100.0          | 60           |
| 14/10/13 | 12:00 | 0.99       | 3.0      | 0.000       | 0.410       | 39.7       | 46        | 0.30 | 1368         | 1          | 100.0          | 60           |
| 14/10/13 | 13:00 | 0.94       | 2.4      | 0.000       | 0.444       | 39.9       | 46        | 0.33 | 1368         | 1          | 100.0          | 60           |
| 14/10/13 | 14:00 | 0.86       | 2.5      | 0.000       | 0.479       | 40.4       | 46        | 0.38 | 1368         | 1          | 100.0          | 60           |
| 14/10/13 | 15:00 | 0.43       | 1.4      | 0.000       | 0.449       | 38.9       | 47        | 0.20 | 1368         | 1          | 100.0          | 60           |
| 14/10/13 | 16:00 | 0.21       | 0.8      | 0.000       | 0.447       | 37.5       | 50        | 0.13 | 1368         | 1          | 100.0          | 60           |
| 14/10/13 | 17:00 | 0.04       | 0.3      | 0.000       | 0.410       | 34.9       | 52        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 14/10/13 | 18:00 | 0.00       | 0.0      | 0.000       | 0.329       | 31.7       | 53        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 14/10/13 | 19:00 | 0.00       | 0.0      | 0.000       | 0.259       | 29.0       | 55        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 14/10/13 | 20:00 | 0.00       | 0.0      | 0.000       | 0.211       | 27.3       | 55        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 14/10/13 | 21:00 | 0.00       | 0.0      | 0.000       | 0.178       | 26.0       | 57        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 14/10/13 | 22:00 | 0.00       | 0.0      | 0.000       | 0.157       | 24.7       | 64        | 0.03 | 1307         | 1          | 95.5           | 60           |
| 14/10/13 | 23:00 | 0.00       | 0.0      | 0.000       | 0.153       | 22.2       | 70        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 15/10/13 | 00:00 | 0.00       | 0.0      | 0.000       | 0.132       | 20.8       | 73        | 0.03 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 15/10/13

| 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. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 15/10/13 | 1:00  | 0.00       | 0.0      | 0.000       | 0.111       | 20.0       | 74        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 15/10/13 | 2:00  | 0.00       | 0.0      | 0.000       | 0.132       | 20.1       | 75        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 15/10/13 | 3:00  | 0.00       | 0.0      | 0.000       | 0.146       | 20.3       | 76        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 15/10/13 | 4:00  | 0.00       | 0.0      | 0.000       | 0.160       | 20.5       | 76        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 15/10/13 | 5:00  | 0.00       | 0.0      | 0.000       | 0.169       | 20.9       | 77        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 15/10/13 | 6:00  | 0.00       | 0.0      | 0.000       | 0.181       | 21.1       | 77        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 15/10/13 | 7:00  | 0.04       | 0.3      | 0.000       | 0.194       | 21.8       | 70        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 15/10/13 | 8:00  | 0.26       | 1.0      | 0.000       | 0.225       | 25.1       | 54        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 15/10/13 | 9:00  | 0.64       | 2.2      | 0.000       | 0.262       | 31.7       | 45        | 0.30 | 1368         | 1          | 100.0          | 60           |
| 15/10/13 | 10:00 | 0.47       | 1.3      | 0.000       | 0.264       | 33.2       | 48        | 0.20 | 1368         | 1          | 100.0          | 60           |
| 15/10/13 | 11:00 | 0.81       | 3.3      | 0.000       | 0.303       | 34.1       | 43        | 0.30 | 1368         | 1          | 100.0          | 60           |
| 15/10/13 | 12:00 | 1.07       | 3.3      | 0.000       | 0.354       | 37.2       | 42        | 0.36 | 1368         | 1          | 100.0          | 60           |
| 15/10/13 | 13:00 | 0.99       | 3.1      | 0.000       | 0.373       | 38.6       | 44        | 0.33 | 1368         | 1          | 100.0          | 60           |
| 15/10/13 | 14:00 | 0.60       | 2.3      | 0.000       | 0.368       | 37.3       | 45        | 0.20 | 1368         | 1          | 100.0          | 60           |
| 15/10/13 | 15:00 | 0.39       | 1.3      | 0.000       | 0.356       | 36.4       | 47        | 0.15 | 1368         | 1          | 100.0          | 60           |
| 15/10/13 | 16:00 | 0.21       | 0.6      | 0.000       | 0.340       | 34.3       | 49        | 0.13 | 1368         | 1          | 100.0          | 60           |
| 15/10/13 | 17:00 | 0.04       | 0.3      | 0.000       | 0.315       | 32.2       | 52        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 15/10/13 | 18:00 | 0.00       | 0.0      | 0.000       | 0.269       | 29.8       | 53        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 15/10/13 | 19:00 | 0.00       | 0.0      | 0.000       | 0.220       | 27.8       | 55        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 15/10/13 | 20:00 | 0.00       | 0.0      | 0.000       | 0.206       | 26.7       | 56        | 0.03 | 1331         | 1          | 97.3           | 60           |
| 15/10/13 | 21:00 | 0.00       | 0.0      | 0.000       | 0.199       | 25.1       | 66        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 15/10/13 | 22:00 | 0.00       | 0.0      | 0.000       | 0.192       | 22.9       | 71        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 15/10/13 | 23:00 | 0.00       | 0.0      | 0.000       | 0.190       | 22.1       | 73        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 16/10/13 | 00:00 | 0.00       | 0.0      | 0.000       | 0.190       | 21.6       | 74        | 0.00 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 16/10/13

| 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. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 16/10/13 | 1:00  | 0.00       | 0.0      | 0.000       | 0.197       | 21.2       | 76        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 16/10/13 | 2:00  | 0.00       | 0.0      | 0.000       | 0.185       | 20.7       | 77        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 16/10/13 | 8:00  | 0.13       | 0.6      | 0.000       | 0.199       | 22.4       | 66        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 16/10/13 | 9:00  | 0.26       | 1.1      | 0.000       | 0.220       | 24.7       | 57        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 16/10/13 | 10:00 | 0.60       | 2.2      | 0.000       | 0.252       | 29.2       | 49        | 0.18 | 1368         | 1          | 100.0          | 60           |
| 16/10/13 | 11:00 | 0.69       | 2.7      | 0.000       | 0.257       | 32.6       | 47        | 0.18 | 1368         | 1          | 100.0          | 60           |
| 16/10/13 | 12:00 | 0.47       | 2.2      | 0.000       | 0.264       | 33.1       | 51        | 0.13 | 1331         | 1          | 97.3           | 60           |
| 16/10/13 | 13:00 | 0.81       | 4.3      | 0.000       | 0.296       | 34.6       | 48        | 0.23 | 1368         | 1          | 100.0          | 60           |
| 16/10/13 | 14:00 | 0.56       | 2.5      | 0.000       | 0.308       | 34.7       | 49        | 0.18 | 1368         | 1          | 100.0          | 60           |
| 16/10/13 | 15:00 | 0.51       | 2.3      | 0.000       | 0.319       | 35.8       | 51        | 0.20 | 1368         | 1          | 100.0          | 60           |
| 16/10/13 | 16:00 | 0.09       | 0.5      | 0.000       | 0.280       | 31.7       | 56        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 16/10/13 | 17:00 | 0.00       | 0.0      | 0.000       | 0.243       | 28.8       | 57        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 16/10/13 | 23:00 | 0.00       | 0.0      | 0.000       | 0.187       | 20.5       | 83        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 17/10/13 | 00:00 | 0.00       | 0.0      | 0.000       | 0.190       | 20.3       | 84        | 0.00 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 17/10/13

| 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. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 17/10/13 | 1:00  | 0.00       | 0.0      | 0.000       | 0.197       | 19.9       | 85        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 17/10/13 | 2:00  | 0.00       | 0.0      | 0.000       | 0.178       | 19.3       | 86        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 17/10/13 | 3:00  | 0.00       | 0.0      | 0.000       | 0.160       | 18.7       | 86        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 17/10/13 | 4:00  | 0.00       | 0.0      | 0.000       | 0.174       | 18.4       | 87        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 17/10/13 | 5:00  | 0.00       | 0.0      | 0.000       | 0.211       | 18.8       | 87        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 17/10/13 | 6:00  | 0.00       | 0.0      | 0.000       | 0.236       | 19.3       | 86        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 17/10/13 | 7:00  | 0.04       | 0.3      | 0.000       | 0.264       | 21.2       | 77        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 17/10/13 | 8:00  | 0.21       | 0.7      | 0.000       | 0.292       | 25.0       | 62        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 17/10/13 | 14:00 | 0.90       | 3.2      | 0.000       | 0.322       | 37.3       | 48        | 0.30 | 1368         | 1          | 100.0          | 60           |
| 17/10/13 | 15:00 | 0.69       | 2.1      | 0.000       | 0.347       | 37.0       | 49        | 0.36 | 1368         | 1          | 100.0          | 60           |
| 17/10/13 | 16:00 | 0.30       | 1.1      | 0.000       | 0.356       | 36.8       | 48        | 0.23 | 1368         | 1          | 100.0          | 60           |
| 17/10/13 | 17:00 | 0.09       | 0.5      | 0.000       | 0.336       | 35.4       | 50        | 0.13 | 1368         | 1          | 100.0          | 60           |
| 17/10/13 | 18:00 | 0.00       | 0.0      | 0.000       | 0.271       | 31.3       | 56        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 17/10/13 | 19:00 | 0.00       | 0.0      | 0.000       | 0.225       | 27.9       | 58        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 17/10/13 | 20:00 | 0.00       | 0.0      | 0.000       | 0.190       | 26.2       | 58        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 17/10/13 | 21:00 | 0.00       | 0.0      | 0.000       | 0.116       | 24.1       | 60        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 17/10/13 | 22:00 | 0.00       | 0.0      | 0.000       | 0.090       | 22.5       | 63        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 17/10/13 | 23:00 | 0.00       | 0.0      | 0.000       | 0.090       | 20.1       | 75        | 0.00 | 1368         | 1          | 100.0          | 60           |



## Ivinhema 18/10/13

| 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. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 18/10/13 | 5:00  | 0.00       | 0.0      | 0.000       | 0.049       | 15.4       | 86        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 18/10/13 | 6:00  | 0.00       | 0.0      | 0.000       | 0.062       | 16.3       | 81        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 18/10/13 | 7:00  | 0.13       | 0.6      | 0.000       | 0.164       | 20.9       | 62        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 18/10/13 | 8:00  | 0.39       | 1.4      | 0.000       | 0.236       | 27.3       | 60        | 0.20 | 1368         | 1          | 100.0          | 60           |
| 18/10/13 | 9:00  | 0.81       | 2.4      | 0.000       | 0.257       | 32.6       | 60        | 0.36 | 1368         | 1          | 100.0          | 60           |
| 18/10/13 | 10:00 | 1.24       | 3.4      | 0.000       | 0.322       | 35.8       | 51        | 0.46 | 1368         | 1          | 100.0          | 60           |
| 18/10/13 | 11:00 | 1.59       | 4.0      | 0.000       | 0.398       | 39.1       | 49        | 0.51 | 1368         | 1          | 100.0          | 60           |
| 18/10/13 | 12:00 | 1.63       | 4.0      | 0.000       | 0.447       | 40.2       | 50        | 0.51 | 1368         | 1          | 100.0          | 60           |
| 18/10/13 | 13:00 | 1.03       | 3.8      | 0.000       | 0.442       | 39.3       | 53        | 0.30 | 1368         | 1          | 100.0          | 60           |
| 18/10/13 | 14:00 | 0.81       | 3.1      | 0.000       | 0.463       | 38.8       | 52        | 0.30 | 1368         | 1          | 100.0          | 60           |
| 18/10/13 | 15:00 | 0.60       | 2.0      | 0.000       | 0.512       | 39.7       | 51        | 0.43 | 1368         | 1          | 100.0          | 60           |
| 18/10/13 | 16:00 | 0.34       | 1.1      | 0.000       | 0.488       | 39.8       | 50        | 0.30 | 1368         | 1          | 100.0          | 60           |
| 18/10/13 | 17:00 | 0.09       | 0.4      | 0.000       | 0.442       | 37.5       | 51        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 18/10/13 | 18:00 | 0.00       | 0.0      | 0.000       | 0.347       | 33.4       | 54        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 18/10/13 | 19:00 | 0.00       | 0.0      | 0.000       | 0.194       | 28.1       | 56        | 0.03 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 19/10/13

| 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. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 19/10/13 | 1:00  | 0.00       | 0.0      | 0.002       | 0.000       | 16.5       | 78        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 19/10/13 | 2:00  | 0.00       | 0.0      | 0.023       | 0.000       | 15.5       | 80        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 19/10/13 | 3:00  | 0.00       | 0.0      | 0.042       | 0.000       | 14.8       | 82        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 19/10/13 | 4:00  | 0.00       | 0.0      | 0.053       | 0.000       | 14.2       | 82        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 19/10/13 | 5:00  | 0.00       | 0.0      | 0.072       | 0.000       | 13.8       | 83        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 19/10/13 | 6:00  | 0.00       | 0.3      | 0.056       | 0.000       | 14.9       | 82        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 19/10/13 | 7:00  | 0.17       | 0.7      | 0.000       | 0.069       | 21.2       | 73        | 0.13 | 1368         | 1          | 100.0          | 60           |
| 19/10/13 | 8:00  | 0.43       | 1.5      | 0.000       | 0.162       | 28.0       | 64        | 0.25 | 1368         | 1          | 100.0          | 60           |
| 19/10/13 | 9:00  | 0.86       | 2.4      | 0.000       | 0.273       | 32.7       | 61        | 0.36 | 1368         | 1          | 100.0          | 60           |
| 19/10/13 | 10:00 | 1.29       | 3.4      | 0.000       | 0.373       | 35.8       | 52        | 0.46 | 1368         | 1          | 100.0          | 60           |
| 19/10/13 | 16:00 | 0.30       | 1.1      | 0.000       | 0.514       | 39.7       | 49        | 0.25 | 1368         | 1          | 100.0          | 60           |
| 19/10/13 | 17:00 | 0.09       | 0.4      | 0.000       | 0.479       | 38.3       | 50        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 19/10/13 | 18:00 | 0.00       | 0.0      | 0.000       | 0.387       | 34.1       | 53        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 19/10/13 | 19:00 | 0.00       | 0.0      | 0.000       | 0.282       | 29.3       | 56        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 19/10/13 | 20:00 | 0.00       | 0.0      | 0.000       | 0.215       | 26.9       | 55        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 19/10/13 | 21:00 | 0.00       | 0.0      | 0.000       | 0.146       | 24.6       | 55        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 19/10/13 | 22:00 | 0.00       | 0.0      | 0.000       | 0.044       | 22.2       | 57        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 19/10/13 | 23:00 | 0.00       | 0.0      | 0.005       | 0.000       | 20.6       | 57        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 20/10/13 | 00:00 | 0.00       | 0.0      | 0.042       | 0.000       | 18.7       | 67        | 0.00 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 20/10/13

| 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. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 20/10/13 | 1:00  | 0.00       | 0.0      | 0.005       | 0.000       | 16.3       | 74        | 0.03 | 1369         | 1          | 100.0          | 60           |
| 20/10/13 | 2:00  | 0.00       | 0.0      | 0.030       | 0.000       | 15.2       | 76        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 20/10/13 | 3:00  | 0.00       | 0.0      | 0.051       | 0.000       | 14.6       | 78        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 20/10/13 | 4:00  | 0.00       | 0.0      | 0.060       | 0.000       | 14.1       | 79        | 0.00 | 1367         | 1          | 99.9           | 60           |
| 20/10/13 | 5:00  | 0.00       | 0.0      | 0.063       | 0.000       | 13.7       | 79        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 20/10/13 | 6:00  | 0.00       | 0.0      | 0.007       | 0.000       | 15.1       | 79        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 20/10/13 | 7:00  | 0.17       | 0.6      | 0.000       | 0.116       | 21.6       | 70        | 0.15 | 1368         | 1          | 100.0          | 60           |
| 20/10/13 | 8:00  | 0.43       | 1.5      | 0.000       | 0.187       | 28.3       | 62        | 0.25 | 1368         | 1          | 100.0          | 60           |
| 20/10/13 | 9:00  | 0.81       | 2.4      | 0.000       | 0.296       | 32.4       | 60        | 0.38 | 1368         | 1          | 100.0          | 60           |
| 20/10/13 | 10:00 | 1.24       | 3.3      | 0.000       | 0.417       | 35.4       | 51        | 0.48 | 1331         | 1          | 97.3           | 60           |
| 20/10/13 | 11:00 | 1.50       | 3.7      | 0.000       | 0.576       | 40.1       | 46        | 0.69 | 1368         | 1          | 100.0          | 60           |
| 20/10/13 | 12:00 | 1.59       | 3.8      | 0.000       | 0.667       | 42.4       | 46        | 0.79 | 1368         | 1          | 100.0          | 60           |
| 20/10/13 | 13:00 | 1.41       | 3.6      | 0.000       | 0.697       | 42.9       | 48        | 0.79 | 1368         | 1          | 100.0          | 60           |
| 20/10/13 | 14:00 | 1.03       | 2.9      | 0.000       | 0.720       | 43.2       | 49        | 0.69 | 1331         | 1          | 97.3           | 60           |
| 20/10/13 | 15:00 | 0.64       | 1.9      | 0.000       | 0.736       | 43.4       | 49        | 0.56 | 1368         | 1          | 100.0          | 60           |
| 20/10/13 | 16:00 | 0.30       | 1.1      | 0.000       | 0.727       | 43.3       | 48        | 0.41 | 1368         | 1          | 100.0          | 60           |
| 20/10/13 | 17:00 | 0.09       | 0.4      | 0.000       | 0.664       | 41.9       | 49        | 0.15 | 1368         | 1          | 100.0          | 60           |
| 20/10/13 | 18:00 | 0.00       | 0.0      | 0.000       | 0.523       | 37.3       | 52        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 20/10/13 | 19:00 | 0.00       | 0.0      | 0.000       | 0.428       | 32.9       | 55        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 20/10/13 | 20:00 | 0.00       | 0.0      | 0.000       | 0.377       | 31.2       | 55        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 20/10/13 | 21:00 | 0.00       | 0.0      | 0.000       | 0.294       | 29.6       | 55        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 20/10/13 | 22:00 | 0.00       | 0.0      | 0.000       | 0.197       | 26.9       | 57        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 20/10/13 | 23:00 | 0.00       | 0.0      | 0.000       | 0.169       | 24.7       | 65        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 21/10/13 | 00:00 | 0.00       | 0.0      | 0.000       | 0.187       | 22.8       | 70        | 0.03 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 21/10/13

| 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. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 21/10/13 | 1:00  | 0.00       | 0.0      | 0.000       | 0.199       | 22.8       | 71        | 0.03 | 1369         | 1          | 100.0          | 60           |
| 21/10/13 | 2:00  | 0.00       | 0.0      | 0.000       | 0.181       | 22.2       | 73        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 21/10/13 | 8:00  | 0.43       | 1.4      | 0.000       | 0.414       | 33.7       | 56        | 0.30 | 1368         | 1          | 100.0          | 60           |
| 21/10/13 | 9:00  | 0.81       | 2.4      | 0.000       | 0.558       | 37.6       | 54        | 0.56 | 1368         | 1          | 100.0          | 60           |
| 21/10/13 | 10:00 | 1.20       | 3.2      | 0.000       | 0.646       | 40.3       | 47        | 0.71 | 1368         | 1          | 100.0          | 60           |
| 21/10/13 | 11:00 | 1.46       | 3.8      | 0.000       | 0.671       | 42.4       | 44        | 0.81 | 1368         | 1          | 100.0          | 60           |
| 21/10/13 | 12:00 | 1.54       | 3.8      | 0.000       | 0.718       | 43.3       | 43        | 0.89 | 1368         | 1          | 100.0          | 60           |
| 21/10/13 | 13:00 | 1.37       | 3.6      | 0.000       | 0.752       | 43.9       | 45        | 0.86 | 1368         | 1          | 100.0          | 60           |
| 21/10/13 | 14:00 | 1.07       | 3.0      | 0.000       | 0.773       | 44.2       | 45        | 0.81 | 1368         | 1          | 100.0          | 60           |
| 21/10/13 | 15:00 | 0.64       | 2.0      | 0.000       | 0.764       | 44.1       | 44        | 0.71 | 1368         | 1          | 100.0          | 60           |
| 21/10/13 | 16:00 | 0.21       | 1.1      | 0.000       | 0.690       | 42.1       | 47        | 0.41 | 1368         | 1          | 100.0          | 60           |
| 21/10/13 | 17:00 | 0.00       | 0.3      | 0.000       | 0.611       | 38.6       | 49        | 0.18 | 1368         | 1          | 100.0          | 60           |
| 21/10/13 | 18:00 | 0.00       | 0.0      | 0.000       | 0.375       | 34.2       | 46        | 0.15 | 1368         | 1          | 100.0          | 60           |
| 21/10/13 | 19:00 | 0.00       | 0.0      | 0.000       | 0.164       | 27.1       | 53        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 21/10/13 | 20:00 | 0.00       | 0.0      | 0.000       | 0.183       | 25.2       | 56        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 21/10/13 | 21:00 | 0.00       | 0.0      | 0.000       | 0.197       | 23.8       | 66        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 21/10/13 | 22:00 | 0.00       | 0.0      | 0.000       | 0.201       | 21.8       | 72        | 0.00 | 1367         | 1          | 99.9           | 60           |
| 21/10/13 | 23:00 | 0.00       | 0.0      | 0.000       | 0.192       | 20.9       | 74        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 22/10/13 | 00:00 | 0.00       | 0.0      | 0.000       | 0.213       | 20.8       | 76        | 0.03 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 22/10/13

| 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. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 22/10/13 | 1:00  | 0.00       | 0.0      | 0.000       | 0.220       | 20.7       | 78        | 0.03 | 1369         | 1          | 100.0          | 60           |
| 22/10/13 | 2:00  | 0.00       | 0.0      | 0.000       | 0.231       | 20.6       | 79        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 22/10/13 | 3:00  | 0.00       | 0.0      | 0.000       | 0.215       | 20.1       | 80        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 22/10/13 | 4:00  | 0.00       | 0.0      | 0.000       | 0.194       | 19.5       | 80        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 22/10/13 | 5:00  | 0.00       | 0.0      | 0.000       | 0.194       | 19.2       | 81        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 22/10/13 | 6:00  | 0.00       | 0.0      | 0.000       | 0.208       | 19.5       | 79        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 22/10/13 | 7:00  | 0.13       | 0.5      | 0.000       | 0.250       | 22.9       | 62        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 22/10/13 | 8:00  | 0.39       | 1.2      | 0.000       | 0.269       | 30.2       | 53        | 0.20 | 1368         | 1          | 100.0          | 60           |
| 22/10/13 | 9:00  | 0.64       | 1.9      | 0.000       | 0.255       | 34.9       | 48        | 0.25 | 1331         | 1          | 97.3           | 60           |
| 22/10/13 | 10:00 | 0.99       | 2.8      | 0.000       | 0.289       | 37.2       | 46        | 0.33 | 1368         | 1          | 100.0          | 60           |
| 22/10/13 | 11:00 | 1.24       | 3.4      | 0.000       | 0.345       | 38.4       | 45        | 0.38 | 1368         | 1          | 100.0          | 60           |
| 22/10/13 | 12:00 | 1.29       | 3.5      | 0.000       | 0.389       | 38.9       | 46        | 0.41 | 1368         | 1          | 100.0          | 60           |
| 22/10/13 | 13:00 | 1.24       | 3.4      | 0.000       | 0.433       | 39.2       | 47        | 0.43 | 1368         | 1          | 100.0          | 60           |
| 22/10/13 | 14:00 | 0.99       | 3.1      | 0.000       | 0.470       | 39.5       | 48        | 0.43 | 1368         | 1          | 100.0          | 60           |
| 22/10/13 | 15:00 | 0.64       | 2.1      | 0.000       | 0.498       | 39.7       | 48        | 0.41 | 1368         | 1          | 100.0          | 60           |
| 22/10/13 | 16:00 | 0.30       | 1.1      | 0.000       | 0.475       | 38.7       | 50        | 0.20 | 1368         | 1          | 100.0          | 60           |
| 22/10/13 | 17:00 | 0.09       | 0.4      | 0.000       | 0.435       | 36.3       | 52        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 22/10/13 | 18:00 | 0.00       | 0.0      | 0.000       | 0.375       | 33.4       | 55        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 22/10/13 | 19:00 | 0.00       | 0.0      | 0.000       | 0.329       | 30.6       | 57        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 22/10/13 | 20:00 | 0.00       | 0.0      | 0.000       | 0.319       | 29.8       | 57        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 22/10/13 | 21:00 | 0.00       | 0.0      | 0.000       | 0.294       | 28.9       | 58        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 22/10/13 | 22:00 | 0.00       | 0.0      | 0.000       | 0.241       | 27.8       | 58        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 22/10/13 | 23:00 | 0.00       | 0.0      | 0.000       | 0.183       | 26.0       | 59        | 0.03 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 23/10/13

| 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. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 23/10/13 | 5:00  | 0.00       | 0.0      | 0.000       | 0.185       | 20.1       | 81        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 23/10/13 | 6:00  | 0.00       | 0.0      | 0.000       | 0.199       | 21.0       | 78        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 23/10/13 | 7:00  | 0.17       | 0.7      | 0.000       | 0.255       | 26.0       | 70        | 0.15 | 1368         | 1          | 100.0          | 60           |
| 23/10/13 | 8:00  | 0.47       | 1.5      | 0.000       | 0.294       | 30.8       | 63        | 0.28 | 1368         | 1          | 100.0          | 60           |
| 23/10/13 | 9:00  | 0.86       | 2.5      | 0.000       | 0.370       | 34.1       | 60        | 0.41 | 1368         | 1          | 100.0          | 60           |
| 23/10/13 | 15:00 | 0.56       | 2.2      | 0.000       | 0.595       | 41.0       | 50        | 0.33 | 1368         | 1          | 100.0          | 60           |
| 23/10/13 | 16:00 | 0.30       | 1.1      | 0.000       | 0.611       | 41.1       | 49        | 0.28 | 1368         | 1          | 100.0          | 60           |
| 23/10/13 | 17:00 | 0.09       | 0.4      | 0.000       | 0.611       | 40.6       | 51        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 23/10/13 | 18:00 | 0.00       | 0.0      | 0.000       | 0.512       | 37.2       | 55        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 23/10/13 | 19:00 | 0.00       | 0.0      | 0.000       | 0.433       | 33.3       | 56        | 0.05 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 24/10/13

| 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. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 24/10/13 | 11:00 | 0.81       | 2.2      | 0.000       | 0.449       | 38.5       | 46        | 0.33 | 1368         | 1          | 100.0          | 60           |
| 24/10/13 | 12:00 | 0.69       | 2.0      | 0.000       | 0.442       | 38.8       | 46        | 0.28 | 1368         | 1          | 100.0          | 60           |
| 24/10/13 | 13:00 | 0.34       | 1.3      | 0.000       | 0.375       | 35.8       | 51        | 0.15 | 1368         | 1          | 100.0          | 60           |
| 24/10/13 | 14:00 | 0.04       | 0.4      | 0.000       | 0.243       | 30.9       | 55        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 24/10/13 | 15:00 | 0.00       | 0.0      | 0.000       | 0.227       | 27.7       | 57        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 24/10/13 | 21:00 | 0.00       | 0.0      | 0.000       | 0.204       | 21.7       | 78        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 24/10/13 | 22:00 | 0.00       | 0.0      | 0.000       | 0.206       | 21.5       | 79        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 24/10/13 | 23:00 | 0.00       | 0.0      | 0.000       | 0.222       | 21.8       | 79        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 25/10/13 | 00:00 | 0.00       | 0.0      | 0.000       | 0.169       | 21.4       | 79        | 0.00 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 25/10/13

| 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. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 25/10/13 | 1:00  | 0.00       | 0.0      | 0.000       | 0.176       | 20.9       | 79        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 25/10/13 | 2:00  | 0.00       | 0.0      | 0.000       | 0.194       | 20.9       | 80        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 25/10/13 | 3:00  | 0.00       | 0.0      | 0.000       | 0.183       | 20.9       | 80        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 25/10/13 | 4:00  | 0.00       | 0.0      | 0.000       | 0.201       | 20.9       | 80        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 25/10/13 | 5:00  | 0.00       | 0.0      | 0.000       | 0.218       | 21.3       | 80        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 25/10/13 | 6:00  | 0.00       | 0.0      | 0.000       | 0.215       | 21.5       | 76        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 25/10/13 | 12:00 | 1.67       | 4.0      | 0.000       | 0.491       | 40.1       | 46        | 0.51 | 1368         | 1          | 100.0          | 60           |
| 25/10/13 | 13:00 | 1.50       | 3.8      | 0.000       | 0.539       | 40.6       | 49        | 0.51 | 1368         | 1          | 100.0          | 60           |
| 25/10/13 | 14:00 | 0.94       | 3.3      | 0.000       | 0.551       | 40.9       | 49        | 0.38 | 1368         | 1          | 100.0          | 60           |
| 25/10/13 | 15:00 | 0.60       | 2.3      | 0.000       | 0.560       | 41.3       | 48        | 0.36 | 1330         | 1          | 97.2           | 60           |
| 25/10/13 | 16:00 | 0.21       | 0.9      | 0.000       | 0.528       | 39.2       | 51        | 0.18 | 1331         | 1          | 97.3           | 60           |



## Ivinhema 26/10/13

| 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. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 26/10/13 | 13:00 | 1.37       | 3.9      | 0.000       | 0.500       | 39.9       | 46        | 0.51 | 1368         | 1          | 100.0          | 60           |
| 26/10/13 | 14:00 | 1.03       | 2.9      | 0.000       | 0.535       | 40.4       | 46        | 0.46 | 1368         | 1          | 100.0          | 60           |
| 26/10/13 | 15:00 | 0.60       | 2.0      | 0.000       | 0.542       | 40.4       | 46        | 0.33 | 1368         | 1          | 100.0          | 60           |
| 26/10/13 | 16:00 | 0.17       | 0.6      | 0.000       | 0.472       | 37.7       | 48        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 26/10/13 | 17:00 | 0.04       | 0.3      | 0.000       | 0.431       | 35.1       | 52        | 0.05 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 27/10/13

| 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. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 27/10/13 | 19:00 | 0.00       | 0.0      | 0.000       | 0.301       | 30.6       | 57        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 27/10/13 | 20:00 | 0.00       | 0.0      | 0.000       | 0.241       | 28.4       | 58        | 0.08 | 1367         | 1          | 99.9           | 60           |
| 27/10/13 | 21:00 | 0.00       | 0.0      | 0.000       | 0.206       | 27.1       | 59        | 0.08 | 1368         | 1          | 100.0          | 60           |
| 27/10/13 | 22:00 | 0.00       | 0.0      | 0.000       | 0.150       | 25.6       | 59        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 27/10/13 | 23:00 | 0.00       | 0.0      | 0.000       | 0.097       | 23.8       | 61        | 0.03 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 28/10/13

| 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. |
|----------|------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 28/10/13 | 5:00 | 0.00       | 0.0      | 0.028       | 0.000       | 15.2       | 82        | 0.00 | 1368         | 1          | 100.0          | 60           |
| 28/10/13 | 6:00 | 0.00       | 0.3      | 0.000       | 0.005       | 16.9       | 81        | 0.05 | 1331         | 1          | 97.3           | 60           |
| 28/10/13 | 7:00 | 0.21       | 0.7      | 0.000       | 0.104       | 23.6       | 73        | 0.15 | 1368         | 1          | 100.0          | 60           |
| 28/10/13 | 8:00 | 0.47       | 1.6      | 0.000       | 0.197       | 29.2       | 66        | 0.28 | 1368         | 1          | 100.0          | 60           |
| 28/10/13 | 9:00 | 0.90       | 2.6      | 0.000       | 0.278       | 31.9       | 63        | 0.41 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 29/10/13

| 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. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 29/10/13 | 11:00 | 1.59       | 3.9      | 0.000       | 0.306       | 35.5       | 42        | 0.58 | 1368         | 1          | 100.0          | 60           |
| 29/10/13 | 12:00 | 1.63       | 3.9      | 0.000       | 0.370       | 37.3       | 42        | 0.58 | 1368         | 1          | 100.0          | 60           |
| 29/10/13 | 13:00 | 1.46       | 3.8      | 0.000       | 0.428       | 38.3       | 44        | 0.56 | 1368         | 1          | 100.0          | 60           |
| 29/10/13 | 14:00 | 1.07       | 3.0      | 0.000       | 0.472       | 39.1       | 45        | 0.48 | 1368         | 1          | 100.0          | 60           |
| 29/10/13 | 15:00 | 0.64       | 2.0      | 0.000       | 0.491       | 39.6       | 44        | 0.38 | 1368         | 1          | 100.0          | 60           |
| 29/10/13 | 16:00 | 0.30       | 1.1      | 0.000       | 0.495       | 39.4       | 43        | 0.28 | 1368         | 1          | 100.0          | 60           |
| 29/10/13 | 17:00 | 0.09       | 0.4      | 0.000       | 0.468       | 38.1       | 46        | 0.10 | 1368         | 1          | 100.0          | 60           |
| 29/10/13 | 18:00 | 0.00       | 0.0      | 0.000       | 0.400       | 34.4       | 50        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 29/10/13 | 19:00 | 0.00       | 0.0      | 0.000       | 0.308       | 30.1       | 51        | 0.05 | 1331         | 1          | 97.3           | 60           |
| 29/10/13 | 20:00 | 0.00       | 0.0      | 0.000       | 0.215       | 27.4       | 52        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 29/10/13 | 21:00 | 0.00       | 0.0      | 0.000       | 0.171       | 25.9       | 52        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 29/10/13 | 22:00 | 0.00       | 0.0      | 0.000       | 0.194       | 25.1       | 53        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 29/10/13 | 23:00 | 0.00       | 0.0      | 0.000       | 0.157       | 24.3       | 54        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 30/10/13 | 00:00 | 0.00       | 0.0      | 0.000       | 0.139       | 22.5       | 63        | 0.03 | 1331         | 1          | 97.3           | 60           |

## Ivinhema 30/10/13

| 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. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 30/10/13 | 1:00  | 0.00       | 0.0      | 0.000       | 0.181       | 20.8       | 68        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 30/10/13 | 7:00  | 0.17       | 0.7      | 0.000       | 0.111       | 23.3       | 67        | 0.18 | 1368         | 1          | 100.0          | 60           |
| 30/10/13 | 8:00  | 0.43       | 1.4      | 0.000       | 0.187       | 28.3       | 61        | 0.28 | 1368         | 1          | 100.0          | 60           |
| 30/10/13 | 9:00  | 0.86       | 2.7      | 0.000       | 0.275       | 32.6       | 52        | 0.38 | 1368         | 1          | 100.0          | 60           |
| 30/10/13 | 10:00 | 1.11       | 3.8      | 0.000       | 0.313       | 35.5       | 45        | 0.43 | 1368         | 1          | 100.0          | 60           |
| 30/10/13 | 11:00 | 1.41       | 4.1      | 0.000       | 0.359       | 37.4       | 44        | 0.51 | 1368         | 1          | 100.0          | 60           |

## Ivinhema 31/10/13

| 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. |
|----------|-------|------------|----------|-------------|-------------|------------|-----------|------|--------------|------------|----------------|--------------|
| 31/10/13 | 18:00 | 0.00       | 0.0      | 0.000       | 0.456       | 35.1       | 50        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 31/10/13 | 19:00 | 0.00       | 0.0      | 0.000       | 0.389       | 31.8       | 51        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 31/10/13 | 20:00 | 0.00       | 0.0      | 0.000       | 0.331       | 29.9       | 52        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 31/10/13 | 21:00 | 0.00       | 0.0      | 0.000       | 0.248       | 27.7       | 53        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 31/10/13 | 22:00 | 0.00       | 0.0      | 0.000       | 0.266       | 26.9       | 55        | 0.03 | 1368         | 1          | 100.0          | 60           |
| 31/10/13 | 23:00 | 0.00       | 0.0      | 0.000       | 0.338       | 28.6       | 56        | 0.05 | 1368         | 1          | 100.0          | 60           |
| 1/11/13  | 00:00 | 0.00       | 0.0      | 0.000       | 0.336       | 28.1       | 64        | 0.10 | 1368         | 1          | 100.0          | 60           |