

| Date    | Time   | Temp<br>Out | Hi<br>Temp | Low<br>Temp | Out<br>Hum | Dew<br>Pt. | Wind<br>Speed | Wind<br>Dir | Wind<br>Run | Hi<br>Speed | Hi<br>Dir | Wind<br>Chill | Heat<br>Index | THW<br>Index | Bar    | Rain | Rain<br>Rate | Heat<br>D-D | Cool<br>D-D | In<br>Temp |
|---------|--------|-------------|------------|-------------|------------|------------|---------------|-------------|-------------|-------------|-----------|---------------|---------------|--------------|--------|------|--------------|-------------|-------------|------------|
| 1/08/19 | 12:30a | 17.4        | 17.4       | 17.3        | 85         | 14.9       | 0.0           | W           | 0.00        | 8.0         | E         | 17.4          | 17.7          | 17.7         | 1013.0 | 0.00 | 0.0          | 0.019       | 0.000       | 22.0       |
| 1/08/19 | 1:00a  | 17.6        | 17.6       | 17.4        | 89         | 15.8       | 0.0           | N           | 0.00        | 3.2         | W         | 17.6          | 18.0          | 18.0         | 1012.7 | 0.00 | 0.0          | 0.015       | 0.000       | 21.9       |
| 1/08/19 | 1:30a  | 17.7        | 17.7       | 17.6        | 89         | 15.8       | 0.0           | WSW         | 0.00        | 1.6         | N         | 17.7          | 18.1          | 18.1         | 1012.3 | 0.00 | 0.0          | 0.014       | 0.000       | 21.9       |
| 1/08/19 | 2:00a  | 17.5        | 17.7       | 17.5        | 88         | 15.5       | 0.0           | N           | 0.00        | 4.8         | NNW       | 17.5          | 17.9          | 17.9         | 1012.2 | 0.00 | 0.0          | 0.017       | 0.000       | 21.9       |
| 1/08/19 | 2:30a  | 17.3        | 17.5       | 17.3        | 87         | 15.1       | 0.0           | WNW         | 0.00        | 3.2         | W         | 17.3          | 17.6          | 17.6         | 1011.8 | 0.00 | 0.0          | 0.022       | 0.000       | 21.8       |
| 1/08/19 | 3:00a  | 16.7        | 17.3       | 16.7        | 83         | 13.8       | 0.0           | NNE         | 0.00        | 3.2         | W         | 16.7          | 16.9          | 16.9         | 1011.5 | 0.00 | 0.0          | 0.034       | 0.000       | 21.8       |
| 1/08/19 | 3:30a  | 16.4        | 16.7       | 16.4        | 81         | 13.1       | 0.0           | WNW         | 0.00        | 1.6         | NNE       | 16.4          | 16.4          | 16.4         | 1011.8 | 0.00 | 0.0          | 0.041       | 0.000       | 21.7       |
| 1/08/19 | 4:00a  | 16.2        | 16.4       | 16.2        | 76         | 11.9       | 0.0           | NW          | 0.00        | 1.6         | N         | 16.2          | 16.1          | 16.1         | 1012.0 | 0.00 | 0.0          | 0.045       | 0.000       | 21.7       |
| 1/08/19 | 4:30a  | 16.1        | 16.2       | 16.0        | 73         | 11.2       | 0.0           | NW          | 0.00        | 3.2         | NW        | 16.1          | 15.8          | 15.8         | 1012.1 | 0.00 | 0.0          | 0.047       | 0.000       | 21.6       |
| 1/08/19 | 5:00a  | 16.1        | 16.1       | 16.0        | 76         | 11.9       | 0.0           | NE          | 0.00        | 6.4         | NE        | 16.1          | 16.0          | 16.0         | 1012.5 | 0.00 | 0.0          | 0.046       | 0.000       | 21.6       |
| 1/08/19 | 5:30a  | 15.9        | 16.1       | 15.9        | 72         | 10.9       | 0.0           | N           | 0.00        | 8.0         | E         | 15.9          | 15.7          | 15.7         | 1012.5 | 0.00 | 0.0          | 0.050       | 0.000       | 21.5       |
| 1/08/19 | 6:00a  | 15.7        | 16.0       | 15.7        | 68         | 9.8        | 0.0           | W           | 0.00        | 8.0         | NE        | 15.7          | 15.3          | 15.3         | 1012.6 | 0.00 | 0.0          | 0.054       | 0.000       | 21.4       |
| 1/08/19 | 6:30a  | 15.8        | 15.8       | 15.7        | 62         | 8.6        | 0.0           | NNE         | 0.00        | 3.2         | N         | 15.8          | 15.2          | 15.2         | 1012.8 | 0.00 | 0.0          | 0.052       | 0.000       | 21.5       |
| 1/08/19 | 7:00a  | 16.6        | 16.6       | 15.8        | 80         | 13.1       | 0.0           | NNE         | 0.00        | 4.8         | NNW       | 16.6          | 16.7          | 16.7         | 1013.0 | 0.00 | 0.0          | 0.037       | 0.000       | 22.7       |
| 1/08/19 | 7:30a  | 18.7        | 18.7       | 16.6        | 88         | 16.7       | 0.0           | N           | 0.00        | 8.0         | ENE       | 18.7          | 19.3          | 19.3         | 1013.2 | 0.00 | 0.0          | 0.000       | 0.008       | 24.5       |
| 1/08/19 | 8:00a  | 19.3        | 19.7       | 18.7        | 80         | 15.7       | 1.6           | N           | 0.80        | 6.4         | NNE       | 19.3          | 19.8          | 19.8         | 1013.4 | 0.00 | 0.0          | 0.000       | 0.020       | 24.3       |
| 1/08/19 | 8:30a  | 20.3        | 20.3       | 18.9        | 78         | 16.4       | 1.6           | NNE         | 0.80        | 6.4         | NNE       | 20.3          | 21.0          | 21.0         | 1013.5 | 0.00 | 0.0          | 0.000       | 0.042       | 24.1       |
| 1/08/19 | 9:00a  | 21.8        | 21.9       | 20.3        | 73         | 16.8       | 1.6           | NNE         | 0.80        | 11.3        | NNE       | 21.8          | 22.2          | 22.2         | 1013.5 | 0.00 | 0.0          | 0.000       | 0.073       | 24.2       |
| 1/08/19 | 9:30a  | 21.4        | 22.4       | 21.4        | 74         | 16.6       | 1.6           | N           | 0.80        | 9.7         | ENE       | 21.4          | 21.8          | 21.8         | 1013.5 | 0.00 | 0.0          | 0.000       | 0.065       | 24.1       |
| 1/08/19 | 10:00a | 22.6        | 22.6       | 21.4        | 72         | 17.3       | 1.6           | N           | 0.80        | 9.7         | NNW       | 22.6          | 23.2          | 23.2         | 1013.3 | 0.00 | 0.0          | 0.000       | 0.088       | 24.1       |
| 1/08/19 | 10:30a | 23.3        | 23.3       | 22.6        | 68         | 17.0       | 1.6           | N           | 0.80        | 9.7         | NNE       | 23.3          | 24.1          | 24.1         | 1013.1 | 0.00 | 0.0          | 0.000       | 0.103       | 24.1       |
| 1/08/19 | 11:00a | 24.7        | 24.7       | 23.3        | 62         | 16.9       | 1.6           | NNE         | 0.80        | 9.7         | NNE       | 24.7          | 25.2          | 25.2         | 1012.7 | 0.00 | 0.0          | 0.000       | 0.132       | 24.2       |
| 1/08/19 | 11:30a | 25.8        | 25.8       | 24.7        | 58         | 16.9       | 1.6           | NNE         | 0.80        | 9.7         | N         | 25.8          | 26.2          | 26.2         | 1012.4 | 0.00 | 0.0          | 0.000       | 0.155       | 24.3       |
| 1/08/19 | 12:00p | 25.8        | 25.9       | 25.4        | 56         | 16.4       | 1.6           | N           | 0.80        | 9.7         | NNE       | 25.8          | 26.2          | 26.2         | 1012.0 | 0.00 | 0.0          | 0.000       | 0.156       | 24.4       |
| 1/08/19 | 12:30p | 26.7        | 26.7       | 25.8        | 51         | 15.7       | 1.6           | E           | 0.80        | 11.3        | ESE       | 26.7          | 26.8          | 26.8         | 1011.6 | 0.00 | 0.0          | 0.000       | 0.174       | 24.4       |
| 1/08/19 | 1:00p  | 27.2        | 27.2       | 26.6        | 55         | 17.4       | 1.6           | NNE         | 0.80        | 11.3        | N         | 27.2          | 27.7          | 27.7         | 1010.8 | 0.00 | 0.0          | 0.000       | 0.185       | 24.5       |
| 1/08/19 | 1:30p  | 27.9        | 27.9       | 27.2        | 50         | 16.5       | 1.6           | N           | 0.80        | 12.9        | NNE       | 27.9          | 28.3          | 28.3         | 1010.2 | 0.00 | 0.0          | 0.000       | 0.199       | 24.6       |
| 1/08/19 | 2:00p  | 27.4        | 27.9       | 27.4        | 51         | 16.4       | 1.6           | N           | 0.80        | 12.9        | NW        | 27.4          | 27.7          | 27.7         | 1009.7 | 0.00 | 0.0          | 0.000       | 0.190       | 24.6       |
| 1/08/19 | 2:30p  | 27.6        | 27.8       | 27.1        | 49         | 15.9       | 1.6           | WSW         | 0.80        | 8.0         | NNE       | 27.6          | 27.7          | 27.7         | 1009.5 | 0.00 | 0.0          | 0.000       | 0.192       | 24.6       |
| 1/08/19 | 3:00p  | 27.5        | 27.5       | 27.1        | 47         | 15.2       | 1.6           | WSW         | 0.80        | 12.9        | NNE       | 27.5          | 27.5          | 27.5         | 1009.1 | 0.00 | 0.0          | 0.000       | 0.191       | 24.6       |
| 1/08/19 | 3:30p  | 27.4        | 27.6       | 27.4        | 46         | 14.7       | 1.6           | W           | 0.80        | 11.3        | NW        | 27.4          | 27.3          | 27.3         | 1008.7 | 0.00 | 0.0          | 0.000       | 0.189       | 24.6       |
| 1/08/19 | 4:00p  | 27.3        | 27.3       | 26.8        | 48         | 15.4       | 1.6           | W           | 0.80        | 12.9        | N         | 27.3          | 27.3          | 27.3         | 1008.4 | 0.00 | 0.0          | 0.000       | 0.187       | 24.6       |
| 1/08/19 | 4:30p  | 26.9        | 27.4       | 26.6        | 50         | 15.6       | 1.6           | W           | 0.80        | 11.3        | NNW       | 26.9          | 27.0          | 27.0         | 1008.0 | 0.00 | 0.0          | 0.000       | 0.179       | 24.6       |
| 1/08/19 | 5:00p  | 26.8        | 27.4       | 26.8        | 54         | 16.7       | 1.6           | WSW         | 0.80        | 8.0         | NNE       | 26.8          | 27.1          | 27.1         | 1008.3 | 0.00 | 0.0          | 0.000       | 0.176       | 24.7       |
| 1/08/19 | 5:30p  | 26.2        | 26.8       | 26.2        | 57         | 17.0       | 1.6           | NNE         | 0.80        | 12.9        | NE        | 26.2          | 26.6          | 26.6         | 1008.6 | 0.00 | 0.0          | 0.000       | 0.163       | 24.6       |
| 1/08/19 | 6:00p  | 24.3        | 26.2       | 24.3        | 63         | 16.8       | 1.6           | WNW         | 0.80        | 11.3        | WSW       | 24.3          | 24.9          | 24.9         | 1009.3 | 0.00 | 0.0          | 0.000       | 0.125       | 24.5       |
| 1/08/19 | 6:30p  | 23.0        | 24.3       | 23.0        | 68         | 16.8       | 1.6           | SW          | 0.80        | 9.7         | N         | 23.0          | 23.6          | 23.6         | 1009.7 | 0.00 | 0.0          | 0.000       | 0.097       | 24.3       |
| 1/08/19 | 7:00p  | 22.1        | 22.9       | 22.1        | 71         | 16.6       | 1.6           | NNE         | 0.80        | 8.0         | E         | 22.1          | 22.5          | 22.5         | 1010.1 | 0.00 | 0.0          | 0.000       | 0.079       | 24.1       |
| 1/08/19 | 7:30p  | 21.4        | 22.1       | 21.4        | 72         | 16.2       | 1.6           | N           | 0.80        | 8.0         | E         | 21.4          | 21.7          | 21.7         | 1010.5 | 0.00 | 0.0          | 0.000       | 0.065       | 23.8       |
| 1/08/19 | 8:00p  | 20.8        | 21.4       | 20.8        | 74         | 16.0       | 1.6           | NE          | 0.80        | 9.7         | NNW       | 20.8          | 21.2          | 21.2         | 1011.0 | 0.00 | 0.0          | 0.000       | 0.052       | 23.7       |
| 1/08/19 | 8:30p  | 20.4        | 20.8       | 20.4        | 76         | 16.0       | 1.6           | W           | 0.80        | 11.3        | ENE       | 20.4          | 21.0          | 21.0         | 1011.8 | 0.00 | 0.0          | 0.000       | 0.043       | 23.4       |
| 1/08/19 | 9:00p  | 20.0        | 20.4       | 20.0        | 77         | 15.8       | 0.0           | WSW         | 0.00        | 8.0         | N         | 20.0          | 20.6          | 20.6         | 1012.1 | 0.00 | 0.0          | 0.000       | 0.035       | 23.3       |
| 1/08/19 | 9:30p  | 19.8        | 20.0       | 19.7        | 79         | 16.0       | 0.0           | NNE         | 0.00        | 6.4         | NNE       | 19.8          | 20.4          | 20.4         | 1012.5 | 0.00 | 0.0          | 0.000       | 0.030       | 23.1       |
| 1/08/19 | 10:00p | 19.4        | 19.8       | 19.4        | 80         | 15.9       | 0.0           | N           | 0.00        | 4.8         | WNW       | 19.4          | 20.1          | 20.1         | 1012.4 | 0.00 | 0.0          | 0.000       | 0.023       | 23.0       |
| 1/08/19 | 10:30p | 18.9        | 19.4       | 18.9        | 83         | 16.0       | 0.0           | N           | 0.00        | 3.2         | NE        | 18.9          | 19.5          | 19.5         | 1013.1 | 0.00 | 0.0          | 0.000       | 0.013       | 22.9       |
| 1/08/19 | 11:00p | 18.6        | 18.9       | 18.6        | 85         | 16.0       | 0.0           | N           | 0.00        | 3.2         | NNE       | 18.6          | 19.1          | 19.1         | 1013.1 | 0.00 | 0.0          | 0.000       | 0.005       | 22.8       |
| 1/08/19 | 11:30p | 18.2        | 18.6       | 18.2        | 86         | 15.8       | 0.0           | N           | 0.00        | 3.2         | NNW       | 18.2          | 18.6          | 18.6         | 1013.0 | 0.00 | 0.0          | 0.003       | 0.000       | 22.7       |
| 2/08/19 | 12:00a | 17.8        | 18.2       | 17.8        | 88         | 15.8       | 0.0           | N           | 0.00        | 1.6         | NNW       | 17.8          | 18.2          | 18.2         | 1012.7 | 0.00 | 0.0          | 0.012       | 0.000       | 22.6       |

| Date    | Time   | In Hum | In Dew | In Heat | In EMC | In Air Density | Wind Samp | Wind Tx | ISS Recept | Arc. Int. |
|---------|--------|--------|--------|---------|--------|----------------|-----------|---------|------------|-----------|
| 1/08/19 | 12:30a | 71     | 16.5   | 22.3    | 13.39  | .0733          | 696       | 1       | 100.0      | 30        |
| 1/08/19 | 1:00a  | 71     | 16.4   | 22.3    | 13.39  | .0733          | 699       | 1       | 100.0      | 30        |
| 1/08/19 | 1:30a  | 71     | 16.4   | 22.3    | 13.39  | .0733          | 702       | 1       | 100.0      | 30        |
| 1/08/19 | 2:00a  | 71     | 16.4   | 22.3    | 13.39  | .0733          | 703       | 1       | 100.0      | 30        |
| 1/08/19 | 2:30a  | 72     | 16.6   | 22.2    | 13.70  | .0732          | 692       | 1       | 100.0      | 30        |
| 1/08/19 | 3:00a  | 72     | 16.5   | 22.1    | 13.70  | .0732          | 703       | 1       | 100.0      | 30        |
| 1/08/19 | 3:30a  | 72     | 16.5   | 22.1    | 13.71  | .0733          | 702       | 1       | 100.0      | 30        |
| 1/08/19 | 4:00a  | 72     | 16.4   | 22.0    | 13.71  | .0733          | 694       | 1       | 100.0      | 30        |
| 1/08/19 | 4:30a  | 72     | 16.3   | 21.9    | 13.71  | .0733          | 702       | 1       | 100.0      | 30        |
| 1/08/19 | 5:00a  | 72     | 16.3   | 21.8    | 13.72  | .0734          | 703       | 1       | 100.0      | 30        |
| 1/08/19 | 5:30a  | 72     | 16.2   | 21.8    | 13.72  | .0734          | 693       | 1       | 100.0      | 30        |
| 1/08/19 | 6:00a  | 73     | 16.4   | 21.7    | 13.93  | .0734          | 702       | 1       | 100.0      | 30        |
| 1/08/19 | 6:30a  | 73     | 16.5   | 21.8    | 13.92  | .0734          | 703       | 1       | 100.0      | 30        |
| 1/08/19 | 7:00a  | 71     | 17.2   | 23.3    | 13.33  | .0731          | 694       | 1       | 100.0      | 30        |
| 1/08/19 | 7:30a  | 65     | 17.5   | 25.2    | 11.83  | .0726          | 701       | 1       | 100.0      | 30        |
| 1/08/19 | 8:00a  | 65     | 17.3   | 24.9    | 11.84  | .0727          | 702       | 1       | 100.0      | 30        |
| 1/08/19 | 8:30a  | 65     | 17.1   | 24.8    | 11.84  | .0728          | 703       | 1       | 100.0      | 30        |
| 1/08/19 | 9:00a  | 65     | 17.2   | 24.9    | 11.84  | .0727          | 691       | 1       | 100.0      | 30        |
| 1/08/19 | 9:30a  | 65     | 17.1   | 24.8    | 11.84  | .0728          | 702       | 1       | 100.0      | 30        |
| 1/08/19 | 10:00a | 65     | 17.1   | 24.8    | 11.84  | .0728          | 702       | 1       | 100.0      | 30        |
| 1/08/19 | 10:30a | 65     | 17.1   | 24.8    | 11.84  | .0727          | 700       | 1       | 100.0      | 30        |
| 1/08/19 | 11:00a | 65     | 17.2   | 24.9    | 11.84  | .0727          | 695       | 1       | 100.0      | 30        |
| 1/08/19 | 11:30a | 64     | 17.1   | 24.9    | 11.63  | .0726          | 701       | 1       | 100.0      | 30        |
| 1/08/19 | 12:00p | 64     | 17.1   | 25.0    | 11.63  | .0726          | 703       | 1       | 100.0      | 30        |
| 1/08/19 | 12:30p | 64     | 17.2   | 25.1    | 11.63  | .0725          | 694       | 1       | 100.0      | 30        |
| 1/08/19 | 1:00p  | 64     | 17.2   | 25.1    | 11.63  | .0725          | 702       | 1       | 100.0      | 30        |
| 1/08/19 | 1:30p  | 63     | 17.1   | 25.2    | 11.42  | .0724          | 698       | 1       | 100.0      | 30        |
| 1/08/19 | 2:00p  | 63     | 17.1   | 25.2    | 11.42  | .0724          | 700       | 1       | 100.0      | 30        |
| 1/08/19 | 2:30p  | 63     | 17.1   | 25.2    | 11.42  | .0723          | 703       | 1       | 100.0      | 30        |
| 1/08/19 | 3:00p  | 63     | 17.1   | 25.2    | 11.42  | .0723          | 693       | 1       | 100.0      | 30        |
| 1/08/19 | 3:30p  | 62     | 16.8   | 25.1    | 11.22  | .0723          | 703       | 1       | 100.0      | 30        |
| 1/08/19 | 4:00p  | 62     | 16.8   | 25.1    | 11.22  | .0723          | 702       | 1       | 100.0      | 30        |
| 1/08/19 | 4:30p  | 62     | 16.8   | 25.1    | 11.22  | .0723          | 700       | 1       | 100.0      | 30        |
| 1/08/19 | 5:00p  | 62     | 16.9   | 25.2    | 11.22  | .0723          | 694       | 1       | 100.0      | 30        |
| 1/08/19 | 5:30p  | 62     | 16.8   | 25.1    | 11.22  | .0723          | 702       | 1       | 100.0      | 30        |
| 1/08/19 | 6:00p  | 63     | 17.0   | 25.1    | 11.43  | .0724          | 703       | 1       | 100.0      | 30        |
| 1/08/19 | 6:30p  | 63     | 16.8   | 24.8    | 11.44  | .0725          | 696       | 1       | 100.0      | 30        |
| 1/08/19 | 7:00p  | 64     | 16.8   | 24.7    | 11.64  | .0725          | 698       | 1       | 100.0      | 30        |
| 1/08/19 | 7:30p  | 64     | 16.6   | 24.5    | 11.65  | .0727          | 702       | 1       | 100.0      | 30        |
| 1/08/19 | 8:00p  | 65     | 16.7   | 24.4    | 11.85  | .0727          | 702       | 1       | 100.0      | 30        |
| 1/08/19 | 8:30p  | 65     | 16.5   | 24.1    | 11.85  | .0729          | 694       | 1       | 100.0      | 30        |
| 1/08/19 | 9:00p  | 66     | 16.6   | 23.9    | 12.07  | .0729          | 700       | 1       | 100.0      | 30        |
| 1/08/19 | 9:30p  | 66     | 16.4   | 23.7    | 12.08  | .0730          | 703       | 1       | 100.0      | 30        |
| 1/08/19 | 10:00p | 67     | 16.5   | 23.6    | 12.28  | .0730          | 702       | 1       | 100.0      | 30        |
| 1/08/19 | 10:30p | 67     | 16.4   | 23.4    | 12.29  | .0731          | 693       | 1       | 100.0      | 30        |
| 1/08/19 | 11:00p | 67     | 16.3   | 23.3    | 12.29  | .0731          | 702       | 1       | 100.0      | 30        |
| 1/08/19 | 11:30p | 68     | 16.5   | 23.2    | 12.55  | .0731          | 702       | 1       | 100.0      | 30        |
| 2/08/19 | 12:00a | 68     | 16.4   | 23.0    | 12.55  | .0732          | 697       | 1       | 100.0      | 30        |