

| 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 |
|---------|--------|-------------|------------|-------------|------------|------------|---------------|-------------|-------------|-------------|-----------|---------------|---------------|--------------|--------|------|--------------|-------------|-------------|------------|
| 1/02/19 | 12:30a | 14.3        | 14.3       | 14.3        | 96         | 13.7       | 0.0           | NW          | 0.00        | 4.8         | ENE       | 14.3          | 14.5          | 14.5         | 1015.3 | 0.00 | 0.0          | 0.083       | 0.000       | 20.3       |
| 1/02/19 | 1:00a  | 14.3        | 14.3       | 14.3        | 95         | 13.5       | 0.0           | W           | 0.00        | 4.8         | WSW       | 14.3          | 14.5          | 14.5         | 1015.0 | 0.00 | 0.0          | 0.083       | 0.000       | 20.2       |
| 1/02/19 | 1:30a  | 14.4        | 14.4       | 14.3        | 95         | 13.6       | 0.0           | W           | 0.00        | 3.2         | SSW       | 14.4          | 14.6          | 14.6         | 1014.7 | 0.00 | 0.0          | 0.082       | 0.000       | 20.2       |
| 1/02/19 | 2:00a  | ---         | 14.4       | 13.9        | ---        | ---        | 0.0           | WSW         | 0.00        | 3.2         | SW        | ---           | ---           | ---          | 1014.5 | 0.00 | 0.0          | ---         | ---         | 20.8       |
| 1/02/19 | 2:30a  | ---         | ---        | ---         | ---        | ---        | 0.0           | ---         | 0.00        | 0.0         | ---       | ---           | ---           | ---          | 1014.1 | 0.00 | 0.0          | ---         | ---         | 20.3       |
| 1/02/19 | 3:00a  | ---         | ---        | ---         | ---        | ---        | 0.0           | ---         | 0.00        | 0.0         | ---       | ---           | ---           | ---          | 1014.1 | 0.00 | 0.0          | ---         | ---         | 20.2       |
| 1/02/19 | 3:30a  | ---         | ---        | ---         | ---        | ---        | 0.0           | ---         | 0.00        | 0.0         | ---       | ---           | ---           | ---          | 1013.9 | 0.00 | 0.0          | ---         | ---         | 20.1       |
| 1/02/19 | 4:00a  | ---         | ---        | ---         | ---        | ---        | 0.0           | ---         | 0.00        | 0.0         | ---       | ---           | ---           | ---          | 1013.7 | 0.00 | 0.0          | ---         | ---         | 20.6       |
| 1/02/19 | 4:30a  | ---         | ---        | ---         | ---        | ---        | 0.0           | ---         | 0.00        | 0.0         | ---       | ---           | ---           | ---          | 1013.9 | 0.00 | 0.0          | ---         | ---         | 20.8       |
| 1/02/19 | 5:00a  | ---         | ---        | ---         | ---        | ---        | 0.0           | ---         | 0.00        | 0.0         | ---       | ---           | ---           | ---          | 1014.1 | 0.00 | 0.0          | ---         | ---         | 20.3       |
| 1/02/19 | 5:30a  | ---         | ---        | ---         | ---        | ---        | 0.0           | ---         | 0.00        | 0.0         | ---       | ---           | ---           | ---          | 1014.1 | 0.00 | 0.0          | ---         | ---         | 20.2       |
| 1/02/19 | 6:00a  | ---         | ---        | ---         | ---        | ---        | 0.0           | ---         | 0.00        | 0.0         | ---       | ---           | ---           | ---          | 1014.5 | 0.00 | 0.0          | ---         | ---         | 20.1       |
| 1/02/19 | 6:30a  | ---         | ---        | ---         | ---        | ---        | 0.0           | ---         | 0.00        | 0.0         | ---       | ---           | ---           | ---          | 1014.8 | 0.00 | 0.0          | ---         | ---         | 20.4       |
| 1/02/19 | 7:00a  | ---         | ---        | ---         | ---        | ---        | 0.0           | ---         | 0.00        | 0.0         | ---       | ---           | ---           | ---          | 1015.0 | 0.00 | 0.0          | ---         | ---         | 20.6       |
| 1/02/19 | 7:30a  | 13.7        | 13.7       | 13.2        | 96         | 13.1       | 0.0           | SE          | 0.00        | 1.6         | SE        | 13.7          | 13.8          | 13.8         | 1015.1 | 0.00 | 0.0          | 0.096       | 0.000       | 19.9       |
| 1/02/19 | 8:00a  | 14.4        | 14.6       | 13.7        | 97         | 13.9       | 0.0           | NE          | 0.00        | 3.2         | ESE       | 14.4          | 14.6          | 14.6         | 1015.2 | 0.00 | 0.0          | 0.082       | 0.000       | 20.1       |
| 1/02/19 | 8:30a  | 14.8        | 14.8       | 14.4        | 97         | 14.4       | 0.0           | N           | 0.00        | 3.2         | N         | 14.8          | 15.1          | 15.1         | 1015.4 | 0.00 | 0.0          | 0.073       | 0.000       | 20.3       |
| 1/02/19 | 9:00a  | 16.2        | 16.2       | 14.8        | 96         | 15.5       | 0.0           | NNE         | 0.00        | 4.8         | N         | 16.2          | 16.5          | 16.5         | 1015.8 | 0.00 | 0.0          | 0.045       | 0.000       | 20.7       |
| 1/02/19 | 9:30a  | 18.9        | 18.9       | 16.2        | 78         | 15.0       | 0.0           | W           | 0.00        | 3.2         | N         | 18.9          | 19.3          | 19.3         | 1015.9 | 0.00 | 0.0          | 0.000       | 0.012       | 21.0       |
| 1/02/19 | 10:00a | 20.3        | 20.3       | 18.9        | 71         | 14.9       | 1.6           | SE          | 0.80        | 4.8         | ESE       | 20.3          | 20.7          | 20.7         | 1015.8 | 0.00 | 0.0          | 0.000       | 0.042       | 21.3       |
| 1/02/19 | 10:30a | 20.7        | 21.2       | 20.3        | 68         | 14.5       | 1.6           | W           | 0.80        | 8.0         | SE        | 20.7          | 20.7          | 20.7         | 1015.3 | 0.00 | 0.0          | 0.000       | 0.049       | 21.5       |
| 1/02/19 | 11:00a | 21.9        | 21.9       | 20.7        | 65         | 15.1       | 1.6           | W           | 0.80        | 8.0         | NNE       | 21.9          | 22.0          | 22.0         | 1015.2 | 0.00 | 0.0          | 0.000       | 0.075       | 21.8       |
| 1/02/19 | 11:30a | 23.2        | 23.4       | 21.9        | 60         | 15.0       | 1.6           | WNW         | 0.80        | 8.0         | ENE       | 23.2          | 23.6          | 23.6         | 1014.5 | 0.00 | 0.0          | 0.000       | 0.102       | 22.1       |
| 1/02/19 | 12:00p | 22.7        | 23.4       | 22.7        | 61         | 14.8       | 1.6           | NNE         | 0.80        | 6.4         | N         | 22.7          | 22.9          | 22.9         | 1013.9 | 0.00 | 0.0          | 0.000       | 0.091       | 22.1       |
| 1/02/19 | 12:30p | 22.9        | 23.0       | 22.6        | 59         | 14.5       | 1.6           | NE          | 0.80        | 6.4         | ENE       | 22.9          | 23.1          | 23.1         | 1013.4 | 0.00 | 0.0          | 0.000       | 0.095       | 22.2       |
| 1/02/19 | 1:00p  | 24.1        | 24.4       | 22.9        | 55         | 14.5       | 1.6           | N           | 0.80        | 4.8         | N         | 24.1          | 24.3          | 24.3         | 1012.8 | 0.00 | 0.0          | 0.000       | 0.119       | 22.3       |
| 1/02/19 | 1:30p  | 24.0        | 24.1       | 23.4        | 53         | 13.8       | 0.0           | ENE         | 0.00        | 6.4         | ENE       | 24.0          | 24.2          | 24.2         | 1012.4 | 0.00 | 0.0          | 0.000       | 0.118       | 22.5       |
| 1/02/19 | 2:00p  | 24.0        | 24.1       | 23.9        | 58         | 15.2       | 0.0           | NNE         | 0.00        | 4.8         | WNW       | 24.0          | 24.4          | 24.4         | 1012.0 | 0.00 | 0.0          | 0.000       | 0.118       | 22.6       |
| 1/02/19 | 2:30p  | 23.8        | 24.3       | 23.7        | 55         | 14.2       | 1.6           | SSE         | 0.80        | 6.4         | ESE       | 23.8          | 24.0          | 24.0         | 1011.7 | 0.00 | 0.0          | 0.000       | 0.113       | 22.6       |
| 1/02/19 | 3:00p  | 23.4        | 23.8       | 23.0        | 64         | 16.2       | 1.6           | SE          | 0.80        | 9.7         | SE        | 23.4          | 24.0          | 24.0         | 1011.4 | 0.00 | 0.0          | 0.000       | 0.105       | 22.7       |
| 1/02/19 | 3:30p  | 22.7        | 23.5       | 22.7        | 68         | 16.5       | 1.6           | E           | 0.80        | 14.5        | W         | 22.7          | 23.2          | 23.2         | 1011.3 | 0.00 | 0.0          | 0.000       | 0.091       | 22.7       |
| 1/02/19 | 4:00p  | 22.3        | 22.7       | 22.3        | 69         | 16.3       | 1.6           | SE          | 0.80        | 9.7         | SSW       | 22.3          | 22.7          | 22.7         | 1011.3 | 0.00 | 0.0          | 0.000       | 0.082       | 22.7       |
| 1/02/19 | 4:30p  | 21.8        | 22.2       | 21.7        | 72         | 16.6       | 1.6           | ESE         | 0.80        | 11.3        | ESE       | 21.8          | 22.2          | 22.2         | 1011.2 | 0.00 | 0.0          | 0.000       | 0.073       | 22.7       |
| 1/02/19 | 5:00p  | 20.9        | 21.8       | 20.9        | 76         | 16.5       | 1.6           | E           | 0.80        | 12.9        | ENE       | 20.9          | 21.4          | 21.4         | 1011.4 | 0.00 | 0.0          | 0.000       | 0.053       | 22.7       |
| 1/02/19 | 5:30p  | 20.1        | 20.9       | 20.1        | 79         | 16.3       | 1.6           | ESE         | 0.80        | 11.3        | E         | 20.1          | 20.7          | 20.7         | 1011.7 | 0.00 | 0.0          | 0.000       | 0.036       | 22.6       |
| 1/02/19 | 6:00p  | 19.3        | 20.1       | 19.3        | 83         | 16.4       | 1.6           | SE          | 0.80        | 6.4         | SSE       | 19.3          | 20.0          | 20.0         | 1012.1 | 0.00 | 0.0          | 0.000       | 0.021       | 22.4       |
| 1/02/19 | 6:30p  | 18.5        | 19.3       | 18.5        | 86         | 16.1       | 0.0           | NE          | 0.00        | 4.8         | E         | 18.5          | 19.0          | 19.0         | 1012.4 | 0.00 | 0.0          | 0.000       | 0.003       | 22.3       |
| 1/02/19 | 7:00p  | 17.9        | 18.5       | 17.9        | 89         | 16.0       | 0.0           | ENE         | 0.00        | 1.6         | ENE       | 17.9          | 18.3          | 18.3         | 1012.7 | 0.00 | 0.0          | 0.009       | 0.000       | 22.1       |
| 1/02/19 | 7:30p  | 17.8        | 17.9       | 17.8        | 88         | 15.8       | 0.0           | SE          | 0.00        | 3.2         | SE        | 17.8          | 18.2          | 18.2         | 1013.0 | 0.00 | 0.0          | 0.010       | 0.000       | 22.0       |
| 1/02/19 | 8:00p  | 16.9        | 17.8       | 16.9        | 88         | 14.9       | 0.0           | ---         | 0.00        | 0.0         | ---       | 16.9          | 17.2          | 17.2         | 1013.6 | 0.00 | 0.0          | 0.030       | 0.000       | 21.9       |
| 1/02/19 | 8:30p  | 16.6        | 16.9       | 16.6        | 86         | 14.2       | 0.0           | ---         | 0.00        | 0.0         | ---       | 16.6          | 16.7          | 16.7         | 1014.5 | 0.00 | 0.0          | 0.037       | 0.000       | 21.7       |
| 1/02/19 | 9:00p  | 16.3        | 16.6       | 16.2        | 89         | 14.5       | 0.0           | SSE         | 0.00        | 3.2         | S         | 16.3          | 16.6          | 16.6         | 1015.0 | 0.00 | 0.0          | 0.042       | 0.000       | 21.7       |
| 1/02/19 | 9:30p  | 16.1        | 16.4       | 16.1        | 90         | 14.5       | 0.0           | NNE         | 0.00        | 1.6         | WNW       | 16.1          | 16.3          | 16.3         | 1015.4 | 0.00 | 0.0          | 0.046       | 0.000       | 21.6       |
| 1/02/19 | 10:00p | 15.8        | 16.1       | 15.8        | 91         | 14.3       | 0.0           | NNE         | 0.00        | 1.6         | ESE       | 15.8          | 16.0          | 16.0         | 1015.4 | 0.00 | 0.0          | 0.053       | 0.000       | 21.4       |
| 1/02/19 | 10:30p | 15.4        | 15.8       | 15.4        | 92         | 14.2       | 0.0           | NNW         | 0.00        | 1.6         | NE        | 15.4          | 15.6          | 15.6         | 1015.5 | 0.00 | 0.0          | 0.060       | 0.000       | 21.3       |
| 1/02/19 | 11:00p | 15.1        | 15.4       | 15.1        | 94         | 14.2       | 0.0           | NNW         | 0.00        | 1.6         | NNW       | 15.1          | 15.3          | 15.3         | 1015.3 | 0.00 | 0.0          | 0.067       | 0.000       | 21.2       |
| 1/02/19 | 11:30p | 14.9        | 15.1       | 14.8        | 95         | 14.1       | 0.0           | N           | 0.00        | 3.2         | NE        | 14.9          | 15.1          | 15.1         | 1015.2 | 0.00 | 0.0          | 0.072       | 0.000       | 21.1       |
| 2/02/19 | 12:00a | 15.2        | 15.2       | 14.9        | 95         | 14.4       | 0.0           | ENE         | 0.00        | 6.4         | N         | 15.2          | 15.4          | 15.4         | 1015.2 | 0.00 | 0.0          | 0.065       | 0.000       | 21.0       |

| Date    | Time   | In<br>Hum | In<br>Dew | In<br>Heat | In<br>EMC | In Air<br>Density | Wind<br>Samp | Wind<br>Tx | ISS<br>Recept | Arc.<br>Int. |
|---------|--------|-----------|-----------|------------|-----------|-------------------|--------------|------------|---------------|--------------|
| 1/02/19 | 12:30a | 69        | 14.4      | 20.5       | 12.91     | .0741             | 701          | 1          | 100.0         | 30           |
| 1/02/19 | 1:00a  | 69        | 14.3      | 20.4       | 12.91     | .0741             | 701          | 1          | 100.0         | 30           |
| 1/02/19 | 1:30a  | 69        | 14.3      | 20.4       | 12.92     | .0741             | 691          | 1          | 100.0         | 30           |
| 1/02/19 | 2:00a  | 67        | 14.5      | 20.8       | 12.36     | .0739             | 455          | 1          | 66.5          | 30           |
| 1/02/19 | 2:30a  | 68        | 14.2      | 20.5       | 12.61     | .0740             | 0            | 1          | 0.0           | 30           |
| 1/02/19 | 3:00a  | 69        | 14.3      | 20.4       | 12.92     | .0740             | 0            | 1          | 0.0           | 30           |
| 1/02/19 | 3:30a  | 69        | 14.2      | 20.4       | 12.92     | .0740             | 0            | 1          | 0.0           | 30           |
| 1/02/19 | 4:00a  | 68        | 14.4      | 20.7       | 12.59     | .0739             | 0            | 1          | 0.0           | 30           |
| 1/02/19 | 4:30a  | 67        | 14.4      | 20.8       | 12.36     | .0738             | 0            | 1          | 0.0           | 30           |
| 1/02/19 | 5:00a  | 69        | 14.4      | 20.5       | 12.91     | .0740             | 0            | 1          | 0.0           | 30           |
| 1/02/19 | 5:30a  | 69        | 14.3      | 20.4       | 12.92     | .0740             | 0            | 1          | 0.0           | 30           |
| 1/02/19 | 6:00a  | 69        | 14.2      | 20.3       | 12.93     | .0741             | 0            | 1          | 0.0           | 30           |
| 1/02/19 | 6:30a  | 68        | 14.3      | 20.6       | 12.60     | .0740             | 0            | 1          | 0.0           | 30           |
| 1/02/19 | 7:00a  | 68        | 14.5      | 20.7       | 12.59     | .0740             | 0            | 1          | 0.0           | 30           |
| 1/02/19 | 7:30a  | 70        | 14.3      | 20.3       | 13.23     | .0742             | 337          | 1          | 49.3          | 30           |
| 1/02/19 | 8:00a  | 70        | 14.5      | 20.4       | 13.22     | .0741             | 701          | 1          | 100.0         | 30           |
| 1/02/19 | 8:30a  | 70        | 14.7      | 20.6       | 13.21     | .0740             | 693          | 1          | 100.0         | 30           |
| 1/02/19 | 9:00a  | 69        | 14.8      | 20.8       | 12.88     | .0740             | 697          | 1          | 100.0         | 30           |
| 1/02/19 | 9:30a  | 68        | 14.9      | 21.0       | 12.56     | .0739             | 699          | 1          | 100.0         | 30           |
| 1/02/19 | 10:00a | 68        | 15.1      | 21.3       | 12.55     | .0738             | 697          | 1          | 100.0         | 30           |
| 1/02/19 | 10:30a | 68        | 15.3      | 21.6       | 12.55     | .0737             | 690          | 1          | 100.0         | 30           |
| 1/02/19 | 11:00a | 67        | 15.4      | 21.9       | 12.33     | .0736             | 698          | 1          | 100.0         | 30           |
| 1/02/19 | 11:30a | 67        | 15.6      | 22.3       | 12.32     | .0735             | 697          | 1          | 100.0         | 30           |
| 1/02/19 | 12:00p | 66        | 15.5      | 22.3       | 12.11     | .0734             | 688          | 1          | 100.0         | 30           |
| 1/02/19 | 12:30p | 67        | 15.7      | 22.4       | 12.31     | .0734             | 697          | 1          | 100.0         | 30           |
| 1/02/19 | 1:00p  | 66        | 15.6      | 22.5       | 12.11     | .0733             | 694          | 1          | 100.0         | 30           |
| 1/02/19 | 1:30p  | 66        | 15.8      | 22.8       | 12.10     | .0732             | 683          | 1          | 99.9          | 30           |
| 1/02/19 | 2:00p  | 66        | 15.9      | 23.0       | 12.10     | .0731             | 692          | 1          | 100.0         | 30           |
| 1/02/19 | 2:30p  | 66        | 15.9      | 23.0       | 12.10     | .0731             | 686          | 1          | 100.0         | 30           |
| 1/02/19 | 3:00p  | 66        | 16.0      | 23.1       | 12.09     | .0731             | 691          | 1          | 100.0         | 30           |
| 1/02/19 | 3:30p  | 67        | 16.3      | 23.2       | 12.29     | .0730             | 683          | 1          | 99.9          | 30           |
| 1/02/19 | 4:00p  | 67        | 16.3      | 23.2       | 12.29     | .0730             | 693          | 1          | 100.0         | 30           |
| 1/02/19 | 4:30p  | 68        | 16.5      | 23.2       | 12.55     | .0730             | 700          | 1          | 100.0         | 30           |
| 1/02/19 | 5:00p  | 68        | 16.5      | 23.2       | 12.55     | .0730             | 699          | 1          | 100.0         | 30           |
| 1/02/19 | 5:30p  | 68        | 16.4      | 23.0       | 12.55     | .0731             | 689          | 1          | 100.0         | 30           |
| 1/02/19 | 6:00p  | 68        | 16.2      | 22.8       | 12.55     | .0732             | 700          | 1          | 100.0         | 30           |
| 1/02/19 | 6:30p  | 68        | 16.1      | 22.6       | 12.55     | .0732             | 703          | 1          | 100.0         | 30           |
| 1/02/19 | 7:00p  | 69        | 16.2      | 22.4       | 12.81     | .0733             | 698          | 1          | 100.0         | 30           |
| 1/02/19 | 7:30p  | 69        | 16.0      | 22.3       | 12.82     | .0733             | 696          | 1          | 100.0         | 30           |
| 1/02/19 | 8:00p  | 69        | 15.9      | 22.1       | 12.82     | .0734             | 703          | 1          | 100.0         | 30           |
| 1/02/19 | 8:30p  | 69        | 15.8      | 21.9       | 12.83     | .0735             | 702          | 1          | 100.0         | 30           |
| 1/02/19 | 9:00p  | 69        | 15.7      | 21.8       | 12.83     | .0736             | 692          | 1          | 100.0         | 30           |
| 1/02/19 | 9:30p  | 69        | 15.6      | 21.7       | 12.83     | .0737             | 699          | 1          | 100.0         | 30           |
| 1/02/19 | 10:00p | 70        | 15.7      | 21.6       | 13.13     | .0737             | 701          | 1          | 100.0         | 30           |
| 1/02/19 | 10:30p | 70        | 15.6      | 21.4       | 13.13     | .0737             | 693          | 1          | 100.0         | 30           |
| 1/02/19 | 11:00p | 70        | 15.5      | 21.3       | 13.14     | .0737             | 702          | 1          | 100.0         | 30           |
| 1/02/19 | 11:30p | 70        | 15.4      | 21.2       | 13.15     | .0738             | 700          | 1          | 100.0         | 30           |
| 2/02/19 | 12:00a | 70        | 15.3      | 21.1       | 13.16     | .0738             | 696          | 1          | 100.0         | 30           |