

1 17/12/18

| Date | Time | Temp Out | Hi Temp | Low Temp | Out Hum | Dew Pt. | Wind Speed | Wind Dir | Wind Run | Hi Speed | Hi Dir | Wind Chill | Heat Index | THW Index | Bar | Rain | Rain Rate | Heat D-D | Cool D-D | In Temp |
|----------|--------|-------------|------------|-------------|------------|------------|---------------|-------------|-------------|-------------|-----------|---------------|---------------|--------------|--------|------|--------------|-------------|-------------|------------|
| 17/12/18 | 12:30a | 10.9 | 10.9 | 10.7 | 94 | 10.0 | 1.6 | NE | 0.80 | 8.0 | NNW | 10.9 | 11.1 | 11.1 | 1020.3 | 0.00 | 0.0 | 0.155 | 0.000 | 17.3 |
| 17/12/18 | 1:00a | 11.4 | 11.4 | 10.9 | 92 | 10.1 | 0.0 | NE | 0.00 | 4.8 | WNW | 11.4 | 11.5 | 11.5 | 1019.9 | 0.00 | 0.0 | 0.145 | 0.000 | 17.2 |
| 17/12/18 | 1:30a | 11.8 | 11.8 | 11.4 | 90 | 10.2 | 0.0 | NE | 0.00 | 6.4 | E | 11.8 | 11.8 | 11.8 | 1019.7 | 0.00 | 0.0 | 0.137 | 0.000 | 17.3 |
| 17/12/18 | 2:00a | 11.6 | 11.8 | 11.6 | 91 | 10.1 | 0.0 | N | 0.00 | 6.4 | NE | 11.6 | 11.7 | 11.7 | 1019.5 | 0.00 | 0.0 | 0.141 | 0.000 | 17.3 |
| 17/12/18 | 2:30a | 11.8 | 11.8 | 11.6 | 90 | 10.2 | 0.0 | WNW | 0.00 | 3.2 | ESE | 11.8 | 11.9 | 11.9 | 1019.6 | 0.00 | 0.0 | 0.135 | 0.000 | 17.3 |
| 17/12/18 | 3:00a | 11.9 | 11.9 | 11.8 | 90 | 10.3 | 1.6 | N | 0.80 | 6.4 | NNE | 11.9 | 11.9 | 11.9 | 1020.0 | 0.00 | 0.0 | 0.134 | 0.000 | 17.3 |
| 17/12/18 | 3:30a | 11.8 | 11.9 | 11.8 | 90 | 10.2 | 0.0 | ENE | 0.00 | 4.8 | NNW | 11.8 | 11.9 | 11.9 | 1020.2 | 0.00 | 0.0 | 0.135 | 0.000 | 17.3 |
| 17/12/18 | 4:00a | 11.8 | 11.8 | 11.8 | 90 | 10.2 | 0.0 | N | 0.00 | 4.8 | NNE | 11.8 | 11.9 | 11.9 | 1020.3 | 0.00 | 0.0 | 0.135 | 0.000 | 17.3 |
| 17/12/18 | 4:30a | 11.7 | 11.8 | 11.7 | 90 | 10.1 | 0.0 | ESE | 0.00 | 6.4 | ESE | 11.7 | 11.8 | 11.8 | 1020.2 | 0.00 | 0.0 | 0.138 | 0.000 | 17.3 |
| 17/12/18 | 5:00a | 11.7 | 11.8 | 11.6 | 90 | 10.1 | 0.0 | NE | 0.00 | 4.8 | NNW | 11.7 | 11.7 | 11.7 | 1020.4 | 0.00 | 0.0 | 0.139 | 0.000 | 17.2 |
| 17/12/18 | 5:30a | 11.6 | 11.7 | 11.6 | 90 | 10.0 | 0.0 | NNE | 0.00 | 6.4 | NE | 11.6 | 11.7 | 11.7 | 1020.8 | 0.00 | 0.0 | 0.140 | 0.000 | 17.2 |
| 17/12/18 | 6:00a | 12.1 | 12.1 | 11.6 | 89 | 10.4 | 0.0 | N | 0.00 | 6.4 | NNW | 12.1 | 12.2 | 12.2 | 1021.1 | 0.00 | 0.0 | 0.130 | 0.000 | 17.2 |
| 17/12/18 | 6:30a | 12.6 | 12.6 | 12.1 | 88 | 10.6 | 1.6 | NNE | 0.80 | 9.7 | NNE | 12.6 | 12.6 | 12.6 | 1021.3 | 0.00 | 0.0 | 0.120 | 0.000 | 17.2 |
| 17/12/18 | 7:00a | 15.1 | 15.1 | 12.6 | 81 | 11.9 | 1.6 | N | 0.80 | 8.0 | NNE | 15.1 | 15.1 | 15.1 | 1021.8 | 0.00 | 0.0 | 0.067 | 0.000 | 17.3 |
| 17/12/18 | 7:30a | 15.2 | 15.4 | 15.1 | 81 | 11.9 | 1.6 | NNE | 0.80 | 11.3 | E | 15.2 | 15.1 | 15.1 | 1021.9 | 0.00 | 0.0 | 0.066 | 0.000 | 17.6 |
| 17/12/18 | 8:00a | 16.5 | 16.5 | 15.1 | 76 | 12.3 | 1.6 | NNE | 0.80 | 8.0 | NNE | 16.5 | 16.4 | 16.4 | 1021.8 | 0.00 | 0.0 | 0.038 | 0.000 | 17.8 |
| 17/12/18 | 8:30a | 17.3 | 17.3 | 16.6 | 74 | 12.6 | 1.6 | NNE | 0.80 | 9.7 | NNE | 17.3 | 17.2 | 17.2 | 1021.4 | 0.00 | 0.0 | 0.022 | 0.000 | 18.1 |
| 17/12/18 | 9:00a | 18.2 | 18.2 | 17.3 | 70 | 12.6 | 1.6 | NNE | 0.80 | 9.7 | NNW | 18.2 | 18.1 | 18.1 | 1021.1 | 0.00 | 0.0 | 0.003 | 0.000 | 18.3 |
| 17/12/18 | 9:30a | 19.3 | 19.3 | 18.1 | 67 | 13.0 | 1.6 | N | 0.80 | 11.3 | NNE | 19.3 | 19.4 | 19.4 | 1020.8 | 0.00 | 0.0 | 0.000 | 0.021 | 18.5 |
| 17/12/18 | 10:00a | 19.9 | 20.0 | 19.3 | 65 | 13.1 | 3.2 | NNE | 1.61 | 12.9 | NE | 19.9 | 20.0 | 20.0 | 1020.3 | 0.00 | 0.0 | 0.000 | 0.032 | 18.7 |
| 17/12/18 | 10:30a | 20.4 | 20.7 | 19.8 | 63 | 13.1 | 3.2 | NNE | 1.61 | 12.9 | NE | 20.4 | 20.3 | 20.3 | 1019.5 | 0.00 | 0.0 | 0.000 | 0.043 | 18.8 |
| 17/12/18 | 11:00a | 21.1 | 21.1 | 20.4 | 63 | 13.8 | 1.6 | NNE | 0.80 | 11.3 | WNW | 21.1 | 20.8 | 20.8 | 1018.7 | 0.00 | 0.0 | 0.000 | 0.058 | 18.9 |
| 17/12/18 | 11:30a | 21.4 | 21.5 | 20.9 | 61 | 13.6 | 1.6 | NE | 0.80 | 11.3 | N | 21.4 | 21.2 | 21.2 | 1018.1 | 0.00 | 0.0 | 0.000 | 0.065 | 19.1 |
| 17/12/18 | 12:00p | 21.2 | 21.8 | 21.2 | 63 | 13.8 | 1.6 | NNE | 0.80 | 14.5 | NE | 21.2 | 20.9 | 20.9 | 1017.3 | 0.00 | 0.0 | 0.000 | 0.059 | 19.2 |
| 17/12/18 | 12:30p | 21.2 | 21.4 | 21.1 | 63 | 13.9 | 1.6 | WNW | 0.80 | 9.7 | NNE | 21.2 | 20.9 | 20.9 | 1016.6 | 0.00 | 0.0 | 0.000 | 0.060 | 19.3 |
| 17/12/18 | 1:00p | 21.2 | 21.2 | 20.9 | 64 | 14.1 | 1.6 | NNE | 0.80 | 12.9 | WSW | 21.2 | 20.9 | 20.9 | 1016.0 | 0.00 | 0.0 | 0.000 | 0.059 | 19.4 |
| 17/12/18 | 1:30p | 20.9 | 21.2 | 20.6 | 67 | 14.6 | 1.6 | W | 0.80 | 9.7 | SW | 20.9 | 20.9 | 20.9 | 1015.7 | 0.00 | 0.0 | 0.000 | 0.054 | 19.4 |
| 17/12/18 | 2:00p | 20.4 | 21.4 | 20.4 | 67 | 14.1 | 1.6 | WSW | 0.80 | 9.7 | N | 20.4 | 20.5 | 20.5 | 1015.6 | 0.00 | 0.0 | 0.000 | 0.043 | 19.5 |
| 17/12/18 | 2:30p | 20.6 | 20.6 | 20.2 | 67 | 14.2 | 1.6 | NNE | 0.80 | 11.3 | NNE | 20.6 | 20.6 | 20.6 | 1015.5 | 0.00 | 0.0 | 0.000 | 0.046 | 19.6 |
| 17/12/18 | 3:00p | 19.8 | 20.7 | 19.8 | 69 | 13.9 | 1.6 | ENE | 0.80 | 11.3 | NE | 19.8 | 20.0 | 20.0 | 1015.7 | 0.00 | 0.0 | 0.000 | 0.030 | 19.6 |
| 17/12/18 | 3:30p | 19.0 | 19.8 | 19.0 | 71 | 13.6 | 1.6 | NNE | 0.80 | 6.4 | N | 19.0 | 19.2 | 19.2 | 1015.7 | 0.00 | 0.0 | 0.000 | 0.014 | 19.5 |
| 17/12/18 | 4:00p | 18.3 | 19.0 | 18.3 | 74 | 13.6 | 1.6 | WNW | 0.80 | 9.7 | NNE | 18.3 | 18.4 | 18.4 | 1016.1 | 0.00 | 0.0 | 0.000 | 0.000 | 19.4 |
| 17/12/18 | 4:30p | 17.6 | 18.3 | 17.6 | 77 | 13.5 | 1.6 | N | 0.80 | 6.4 | NNE | 17.6 | 17.7 | 17.7 | 1016.5 | 0.00 | 0.0 | 0.016 | 0.000 | 19.2 |
| 17/12/18 | 5:00p | 16.8 | 17.6 | 16.8 | 80 | 13.4 | 1.6 | NNE | 0.80 | 6.4 | ESE | 16.8 | 16.9 | 16.9 | 1016.8 | 0.00 | 0.0 | 0.031 | 0.000 | 19.1 |
| 17/12/18 | 5:30p | 16.3 | 16.8 | 16.3 | 82 | 13.2 | 0.0 | NNE | 0.00 | 4.8 | NNE | 16.3 | 16.3 | 16.3 | 1017.5 | 0.00 | 0.0 | 0.043 | 0.000 | 19.0 |
| 17/12/18 | 6:00p | 14.9 | 16.3 | 14.9 | 86 | 12.6 | 1.6 | NE | 0.80 | 12.9 | NNW | 14.9 | 14.9 | 14.9 | 1018.1 | 0.00 | 0.0 | 0.071 | 0.000 | 18.8 |
| 17/12/18 | 6:30p | 14.4 | 14.9 | 14.3 | 88 | 12.4 | 1.6 | W | 0.80 | 8.0 | ENE | 14.4 | 14.4 | 14.4 | 1018.6 | 0.00 | 0.0 | 0.082 | 0.000 | 18.7 |
| 17/12/18 | 7:00p | 13.8 | 14.3 | 13.8 | 91 | 12.4 | 0.0 | W | 0.00 | 6.4 | NNE | 13.8 | 13.9 | 13.9 | 1018.9 | 0.00 | 0.0 | 0.094 | 0.000 | 18.5 |
| 17/12/18 | 7:30p | 13.7 | 13.8 | 13.7 | 92 | 12.4 | 0.0 | N | 0.00 | 3.2 | NNE | 13.7 | 13.8 | 13.8 | 1019.1 | 0.00 | 0.0 | 0.096 | 0.000 | 18.4 |
| 17/12/18 | 8:00p | 13.5 | 13.7 | 13.5 | 93 | 12.4 | 1.6 | NNE | 0.80 | 11.3 | N | 13.5 | 13.6 | 13.6 | 1019.4 | 0.00 | 0.0 | 0.101 | 0.000 | 18.3 |
| 17/12/18 | 8:30p | 13.6 | 13.6 | 13.4 | 93 | 12.4 | 0.0 | NNE | 0.00 | 6.4 | ENE | 13.6 | 13.7 | 13.7 | 1019.7 | 0.00 | 0.0 | 0.100 | 0.000 | 18.2 |
| 17/12/18 | 9:00p | 13.4 | 13.6 | 13.4 | 93 | 12.3 | 0.0 | NE | 0.00 | 6.4 | N | 13.4 | 13.6 | 13.6 | 1019.6 | 0.00 | 0.0 | 0.102 | 0.000 | 18.1 |
| 17/12/18 | 9:30p | 13.4 | 13.5 | 13.4 | 93 | 12.3 | 0.0 | NNE | 0.00 | 6.4 | WSW | 13.4 | 13.5 | 13.5 | 1019.5 | 0.00 | 0.0 | 0.103 | 0.000 | 18.1 |
| 17/12/18 | 10:00p | 13.3 | 13.4 | 13.3 | 94 | 12.4 | 0.0 | W | 0.00 | 6.4 | WSW | 13.3 | 13.4 | 13.4 | 1019.2 | 0.00 | 0.0 | 0.104 | 0.000 | 18.0 |
| 17/12/18 | 10:30p | 13.2 | 13.3 | 13.2 | 94 | 12.2 | 0.0 | N | 0.00 | 8.0 | NNW | 13.2 | 13.3 | 13.3 | 1018.8 | 0.00 | 0.0 | 0.108 | 0.000 | 17.9 |
| 17/12/18 | 11:00p | 13.1 | 13.2 | 13.1 | 94 | 12.2 | 0.0 | NNE | 0.00 | 8.0 | ESE | 13.1 | 13.2 | 13.2 | 1018.6 | 0.00 | 0.0 | 0.109 | 0.000 | 17.9 |
| 17/12/18 | 11:30p | 13.1 | 13.1 | 13.1 | 94 | 12.1 | 0.0 | NW | 0.00 | 4.8 | ESE | 13.1 | 13.2 | 13.2 | 1018.5 | 0.00 | 0.0 | 0.110 | 0.000 | 17.8 |
| 18/12/18 | 12:00a | 12.9 | 13.1 | 12.9 | 94 | 12.0 | 0.0 | NE | 0.00 | 8.0 | ENE | 12.9 | 13.1 | 13.1 | 1018.0 | 0.00 | 0.0 | 0.112 | 0.000 | 17.8 |

| Date | Time | In Hum | In Dew | In Heat | In EMC | In Air Density | Wind Samp | Wind Tx | ISS Recept | Arc. Int. |
|----------|--------|--------|--------|---------|--------|----------------|-----------|---------|------------|-----------|
| 17/12/18 | 12:30a | 71 | 12.0 | 17.2 | 13.51 | .0754 | 696 | 1 | 100.0 | 30 |
| 17/12/18 | 1:00a | 71 | 11.9 | 17.1 | 13.51 | .0754 | 702 | 1 | 100.0 | 30 |
| 17/12/18 | 1:30a | 71 | 12.0 | 17.2 | 13.51 | .0753 | 703 | 1 | 100.0 | 30 |
| 17/12/18 | 2:00a | 71 | 12.0 | 17.2 | 13.51 | .0753 | 694 | 1 | 100.0 | 30 |
| 17/12/18 | 2:30a | 71 | 12.0 | 17.2 | 13.51 | .0753 | 703 | 1 | 100.0 | 30 |
| 17/12/18 | 3:00a | 71 | 12.0 | 17.2 | 13.51 | .0754 | 701 | 1 | 100.0 | 30 |
| 17/12/18 | 3:30a | 71 | 12.0 | 17.2 | 13.51 | .0754 | 695 | 1 | 100.0 | 30 |
| 17/12/18 | 4:00a | 70 | 11.8 | 17.1 | 13.31 | .0754 | 703 | 1 | 100.0 | 30 |
| 17/12/18 | 4:30a | 70 | 11.8 | 17.1 | 13.31 | .0754 | 696 | 1 | 100.0 | 30 |
| 17/12/18 | 5:00a | 70 | 11.7 | 17.1 | 13.31 | .0754 | 701 | 1 | 100.0 | 30 |
| 17/12/18 | 5:30a | 71 | 11.9 | 17.1 | 13.51 | .0754 | 702 | 1 | 100.0 | 30 |
| 17/12/18 | 6:00a | 70 | 11.6 | 17.0 | 13.31 | .0755 | 695 | 1 | 100.0 | 30 |
| 17/12/18 | 6:30a | 70 | 11.7 | 17.1 | 13.31 | .0755 | 702 | 1 | 100.0 | 30 |
| 17/12/18 | 7:00a | 70 | 11.8 | 17.2 | 13.31 | .0755 | 702 | 1 | 100.0 | 30 |
| 17/12/18 | 7:30a | 70 | 12.1 | 17.5 | 13.32 | .0754 | 693 | 1 | 100.0 | 30 |
| 17/12/18 | 8:00a | 69 | 12.1 | 17.7 | 13.03 | .0754 | 700 | 1 | 100.0 | 30 |
| 17/12/18 | 8:30a | 69 | 12.3 | 17.9 | 13.04 | .0753 | 703 | 1 | 100.0 | 30 |
| 17/12/18 | 9:00a | 69 | 12.5 | 18.2 | 13.05 | .0752 | 702 | 1 | 100.0 | 30 |
| 17/12/18 | 9:30a | 68 | 12.5 | 18.4 | 12.74 | .0751 | 702 | 1 | 100.0 | 30 |
| 17/12/18 | 10:00a | 68 | 12.6 | 18.7 | 12.73 | .0750 | 690 | 1 | 100.0 | 30 |
| 17/12/18 | 10:30a | 68 | 12.8 | 18.8 | 12.71 | .0749 | 702 | 1 | 100.0 | 30 |
| 17/12/18 | 11:00a | 68 | 12.9 | 19.0 | 12.71 | .0748 | 703 | 1 | 100.0 | 30 |
| 17/12/18 | 11:30a | 68 | 13.0 | 19.1 | 12.70 | .0747 | 698 | 1 | 100.0 | 30 |
| 17/12/18 | 12:00p | 68 | 13.1 | 19.2 | 12.69 | .0746 | 698 | 1 | 100.0 | 30 |
| 17/12/18 | 12:30p | 67 | 13.0 | 19.3 | 12.42 | .0745 | 702 | 1 | 100.0 | 30 |
| 17/12/18 | 1:00p | 67 | 13.1 | 19.4 | 12.41 | .0745 | 703 | 1 | 100.0 | 30 |
| 17/12/18 | 1:30p | 67 | 13.2 | 19.6 | 12.41 | .0744 | 695 | 1 | 100.0 | 30 |
| 17/12/18 | 2:00p | 67 | 13.2 | 19.6 | 12.41 | .0744 | 696 | 1 | 100.0 | 30 |
| 17/12/18 | 2:30p | 67 | 13.3 | 19.7 | 12.41 | .0744 | 703 | 1 | 100.0 | 30 |
| 17/12/18 | 3:00p | 67 | 13.3 | 19.7 | 12.41 | .0744 | 702 | 1 | 100.0 | 30 |
| 17/12/18 | 3:30p | 68 | 13.4 | 19.7 | 12.67 | .0744 | 702 | 1 | 100.0 | 30 |
| 17/12/18 | 4:00p | 68 | 13.3 | 19.5 | 12.67 | .0744 | 689 | 1 | 100.0 | 30 |
| 17/12/18 | 4:30p | 68 | 13.2 | 19.3 | 12.69 | .0745 | 703 | 1 | 100.0 | 30 |
| 17/12/18 | 5:00p | 69 | 13.3 | 19.2 | 12.99 | .0746 | 702 | 1 | 100.0 | 30 |
| 17/12/18 | 5:30p | 69 | 13.2 | 19.1 | 13.00 | .0747 | 702 | 1 | 100.0 | 30 |
| 17/12/18 | 6:00p | 70 | 13.2 | 18.9 | 13.31 | .0747 | 692 | 1 | 100.0 | 30 |
| 17/12/18 | 6:30p | 70 | 13.1 | 18.7 | 13.33 | .0748 | 702 | 1 | 100.0 | 30 |
| 17/12/18 | 7:00p | 71 | 13.1 | 18.6 | 13.54 | .0749 | 703 | 1 | 100.0 | 30 |
| 17/12/18 | 7:30p | 71 | 13.0 | 18.4 | 13.55 | .0749 | 693 | 1 | 100.0 | 30 |
| 17/12/18 | 8:00p | 72 | 13.1 | 18.3 | 13.75 | .0750 | 703 | 1 | 100.0 | 30 |
| 17/12/18 | 8:30p | 72 | 13.0 | 18.2 | 13.75 | .0750 | 702 | 1 | 100.0 | 30 |
| 17/12/18 | 9:00p | 72 | 13.0 | 18.1 | 13.75 | .0751 | 694 | 1 | 100.0 | 30 |
| 17/12/18 | 9:30p | 72 | 12.9 | 18.1 | 13.75 | .0751 | 702 | 1 | 100.0 | 30 |
| 17/12/18 | 10:00p | 73 | 13.1 | 18.1 | 14.04 | .0750 | 702 | 1 | 100.0 | 30 |
| 17/12/18 | 10:30p | 73 | 13.0 | 17.9 | 14.03 | .0751 | 697 | 1 | 100.0 | 30 |
| 17/12/18 | 11:00p | 73 | 13.0 | 17.9 | 14.03 | .0750 | 699 | 1 | 100.0 | 30 |
| 17/12/18 | 11:30p | 73 | 12.9 | 17.8 | 14.03 | .0750 | 703 | 1 | 100.0 | 30 |
| 18/12/18 | 12:00a | 73 | 12.9 | 17.8 | 14.03 | .0750 | 698 | 1 | 100.0 | 30 |