

| 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 |
|----------|--------|-------------|------------|-------------|------------|------------|---------------|-------------|-------------|-------------|-----------|---------------|---------------|--------------|--------|------|--------------|-------------|-------------|------------|
| 15/01/19 | 12:30a | 12.6 | 12.8 | 12.6 | 97 | 12.1 | 0.0 | NNE | 0.00 | 6.4 | WNW | 12.6 | 12.7 | 12.7 | 1017.5 | 0.00 | 0.0 | 0.120 | 0.000 | 18.7 |
| 15/01/19 | 1:00a | 12.5 | 12.6 | 12.5 | 97 | 12.0 | 0.0 | NNE | 0.00 | 6.4 | NE | 12.5 | 12.7 | 12.7 | 1017.5 | 0.00 | 0.0 | 0.122 | 0.000 | 18.7 |
| 15/01/19 | 1:30a | 11.9 | 12.5 | 11.9 | 100 | 11.9 | 1.6 | N | 0.80 | 11.3 | ESE | 11.9 | 12.1 | 12.1 | 1017.2 | 0.00 | 0.0 | 0.134 | 0.000 | 19.1 |
| 15/01/19 | 2:00a | --- | --- | --- | --- | --- | 0.0 | --- | 0.00 | 0.0 | --- | --- | --- | --- | 1017.0 | 0.00 | 0.0 | --- | --- | 19.3 |
| 15/01/19 | 2:30a | --- | --- | --- | --- | --- | 0.0 | --- | 0.00 | 0.0 | --- | --- | --- | --- | 1017.1 | 0.00 | 0.0 | --- | --- | 18.8 |
| 15/01/19 | 3:00a | --- | --- | --- | --- | --- | 0.0 | --- | 0.00 | 0.0 | --- | --- | --- | --- | 1017.3 | 0.00 | 0.0 | --- | --- | 18.6 |
| 15/01/19 | 3:30a | --- | --- | --- | --- | --- | 0.0 | --- | 0.00 | 0.0 | --- | --- | --- | --- | 1017.1 | 0.00 | 0.0 | --- | --- | 18.6 |
| 15/01/19 | 4:00a | --- | --- | --- | --- | --- | 0.0 | --- | 0.00 | 0.0 | --- | --- | --- | --- | 1017.4 | 0.00 | 0.0 | --- | --- | 18.9 |
| 15/01/19 | 4:30a | --- | --- | --- | --- | --- | 0.0 | --- | 0.00 | 0.0 | --- | --- | --- | --- | 1017.6 | 0.00 | 0.0 | --- | --- | 19.2 |
| 15/01/19 | 5:00a | --- | --- | --- | --- | --- | 0.0 | --- | 0.00 | 0.0 | --- | --- | --- | --- | 1017.9 | 0.00 | 0.0 | --- | --- | 18.6 |
| 15/01/19 | 5:30a | --- | --- | --- | --- | --- | 0.0 | --- | 0.00 | 0.0 | --- | --- | --- | --- | 1018.1 | 0.00 | 0.0 | --- | --- | 18.4 |
| 15/01/19 | 6:00a | --- | --- | --- | --- | --- | 0.0 | --- | 0.00 | 0.0 | --- | --- | --- | --- | 1018.5 | 0.00 | 0.0 | --- | --- | 18.4 |
| 15/01/19 | 6:30a | 12.3 | 12.3 | 12.2 | 95 | 11.6 | 1.6 | NNW | 0.80 | 6.4 | N | 12.3 | 12.4 | 12.4 | 1018.9 | 0.00 | 0.0 | 0.125 | 0.000 | 18.5 |
| 15/01/19 | 7:00a | 12.9 | 13.0 | 12.3 | 94 | 11.9 | 0.0 | NNE | 0.00 | 8.0 | NNE | 12.9 | 13.0 | 13.0 | 1019.2 | 0.00 | 0.0 | 0.113 | 0.000 | 18.5 |
| 15/01/19 | 7:30a | 13.4 | 13.4 | 12.9 | 94 | 12.5 | 1.6 | ENE | 0.80 | 8.0 | NNE | 13.4 | 13.6 | 13.6 | 1019.6 | 0.00 | 0.0 | 0.102 | 0.000 | 18.6 |
| 15/01/19 | 8:00a | 15.6 | 15.6 | 13.4 | 87 | 13.5 | 1.6 | NE | 0.80 | 11.3 | NE | 15.6 | 15.7 | 15.7 | 1019.5 | 0.00 | 0.0 | 0.057 | 0.000 | 18.9 |
| 15/01/19 | 8:30a | 16.8 | 16.8 | 15.6 | 84 | 14.1 | 3.2 | NNE | 1.61 | 11.3 | WNW | 16.8 | 17.0 | 17.0 | 1019.4 | 0.00 | 0.0 | 0.031 | 0.000 | 19.1 |
| 15/01/19 | 9:00a | 18.1 | 18.1 | 16.8 | 77 | 14.0 | 3.2 | NNE | 1.61 | 16.1 | N | 18.1 | 18.3 | 18.3 | 1019.3 | 0.00 | 0.0 | 0.006 | 0.000 | 19.3 |
| 15/01/19 | 9:30a | 19.1 | 19.1 | 18.1 | 73 | 14.1 | 3.2 | NNE | 1.61 | 12.9 | NNE | 19.1 | 19.3 | 19.3 | 1019.0 | 0.00 | 0.0 | 0.000 | 0.015 | 19.6 |
| 15/01/19 | 10:00a | 18.3 | 19.2 | 18.3 | 74 | 13.6 | 3.2 | NNE | 1.61 | 14.5 | N | 18.3 | 18.4 | 18.4 | 1018.7 | 0.00 | 0.0 | 0.000 | 0.000 | 19.7 |
| 15/01/19 | 10:30a | 20.1 | 20.1 | 18.4 | 69 | 14.2 | 3.2 | N | 1.61 | 11.3 | NNE | 20.1 | 20.4 | 20.4 | 1018.0 | 0.00 | 0.0 | 0.000 | 0.037 | 19.9 |
| 15/01/19 | 11:00a | 20.1 | 20.1 | 19.6 | 70 | 14.5 | 4.8 | NW | 2.41 | 19.3 | NNE | 20.1 | 20.4 | 20.4 | 1017.6 | 0.00 | 0.0 | 0.000 | 0.037 | 20.0 |
| 15/01/19 | 11:30a | 21.3 | 21.4 | 20.2 | 64 | 14.2 | 3.2 | NNE | 1.61 | 19.3 | ENE | 21.3 | 21.2 | 21.2 | 1016.9 | 0.00 | 0.0 | 0.000 | 0.063 | 20.2 |
| 15/01/19 | 12:00p | 21.8 | 21.8 | 21.3 | 62 | 14.2 | 3.2 | NNE | 1.61 | 12.9 | NNE | 21.8 | 21.7 | 21.7 | 1016.3 | 0.00 | 0.0 | 0.000 | 0.073 | 20.3 |
| 15/01/19 | 12:30p | 21.1 | 21.9 | 21.1 | 61 | 13.3 | 3.2 | NNE | 1.61 | 19.3 | NNE | 21.1 | 20.7 | 20.7 | 1015.8 | 0.00 | 0.0 | 0.000 | 0.058 | 20.4 |
| 15/01/19 | 1:00p | 21.8 | 22.1 | 21.1 | 58 | 13.1 | 3.2 | W | 1.61 | 12.9 | ENE | 21.8 | 21.4 | 21.4 | 1015.4 | 0.00 | 0.0 | 0.000 | 0.072 | 20.6 |
| 15/01/19 | 1:30p | 21.6 | 21.9 | 21.3 | 59 | 13.2 | 3.2 | NE | 1.61 | 12.9 | NE | 21.6 | 21.2 | 21.2 | 1015.2 | 0.00 | 0.0 | 0.000 | 0.067 | 20.7 |
| 15/01/19 | 2:00p | 21.6 | 21.6 | 21.2 | 57 | 12.7 | 3.2 | ENE | 1.61 | 16.1 | ENE | 21.6 | 21.1 | 21.1 | 1015.0 | 0.00 | 0.0 | 0.000 | 0.067 | 20.8 |
| 15/01/19 | 2:30p | 21.0 | 21.8 | 20.9 | 64 | 13.9 | 3.2 | W | 1.61 | 12.9 | N | 21.0 | 20.8 | 20.8 | 1015.0 | 0.00 | 0.0 | 0.000 | 0.056 | 20.8 |
| 15/01/19 | 3:00p | 20.6 | 21.0 | 20.6 | 67 | 14.3 | 3.2 | W | 1.61 | 20.9 | N | 20.6 | 20.7 | 20.7 | 1015.0 | 0.00 | 0.0 | 0.000 | 0.047 | 20.8 |
| 15/01/19 | 3:30p | 20.0 | 20.7 | 20.0 | 69 | 14.1 | 1.6 | WSW | 0.80 | 11.3 | N | 20.0 | 20.3 | 20.3 | 1015.2 | 0.00 | 0.0 | 0.000 | 0.035 | 20.8 |
| 15/01/19 | 4:00p | 18.9 | 20.0 | 18.9 | 72 | 13.8 | 1.6 | WSW | 0.80 | 9.7 | NNW | 18.9 | 19.1 | 19.1 | 1015.6 | 0.00 | 0.0 | 0.000 | 0.013 | 20.7 |
| 15/01/19 | 4:30p | 17.9 | 18.9 | 17.9 | 75 | 13.4 | 1.6 | NE | 0.80 | 11.3 | NE | 17.9 | 18.1 | 18.1 | 1015.6 | 0.00 | 0.0 | 0.008 | 0.000 | 20.7 |
| 15/01/19 | 5:00p | 17.2 | 17.9 | 17.2 | 77 | 13.2 | 1.6 | WNW | 0.80 | 11.3 | NE | 17.2 | 17.3 | 17.3 | 1015.8 | 0.00 | 0.0 | 0.023 | 0.000 | 20.5 |
| 15/01/19 | 5:30p | 16.5 | 17.2 | 16.5 | 80 | 13.0 | 1.6 | NNE | 0.80 | 9.7 | ENE | 16.5 | 16.6 | 16.6 | 1016.1 | 0.00 | 0.0 | 0.038 | 0.000 | 20.3 |
| 15/01/19 | 6:00p | 16.1 | 16.5 | 16.1 | 81 | 12.8 | 0.0 | NE | 0.00 | 4.8 | NE | 16.1 | 16.1 | 16.1 | 1016.4 | 0.00 | 0.0 | 0.046 | 0.000 | 20.2 |
| 15/01/19 | 6:30p | 15.7 | 16.1 | 15.7 | 83 | 12.8 | 1.6 | W | 0.80 | 9.7 | ENE | 15.7 | 15.7 | 15.7 | 1016.8 | 0.00 | 0.0 | 0.056 | 0.000 | 20.1 |
| 15/01/19 | 7:00p | 15.4 | 15.7 | 15.4 | 86 | 13.1 | 1.6 | NNE | 0.80 | 8.0 | ENE | 15.4 | 15.4 | 15.4 | 1017.2 | 0.00 | 0.0 | 0.061 | 0.000 | 19.9 |
| 15/01/19 | 7:30p | 15.2 | 15.4 | 15.2 | 87 | 13.0 | 1.6 | ENE | 0.80 | 9.7 | S | 15.2 | 15.2 | 15.2 | 1017.5 | 0.00 | 0.0 | 0.066 | 0.000 | 19.8 |
| 15/01/19 | 8:00p | 14.9 | 15.2 | 14.8 | 88 | 12.9 | 1.6 | WNW | 0.80 | 12.9 | ENE | 14.9 | 14.9 | 14.9 | 1017.9 | 0.00 | 0.0 | 0.072 | 0.000 | 19.7 |
| 15/01/19 | 8:30p | 14.7 | 14.9 | 14.7 | 89 | 12.9 | 1.6 | NNE | 0.80 | 11.3 | N | 14.7 | 14.7 | 14.7 | 1018.2 | 0.00 | 0.0 | 0.076 | 0.000 | 19.7 |
| 15/01/19 | 9:00p | 14.6 | 14.7 | 14.6 | 90 | 13.0 | 1.6 | NE | 0.80 | 9.7 | NNE | 14.6 | 14.7 | 14.7 | 1018.4 | 0.00 | 0.0 | 0.078 | 0.000 | 19.6 |
| 15/01/19 | 9:30p | 14.6 | 14.7 | 14.6 | 90 | 13.0 | 1.6 | NE | 0.80 | 11.3 | NE | 14.6 | 14.7 | 14.7 | 1018.2 | 0.00 | 0.0 | 0.078 | 0.000 | 19.4 |
| 15/01/19 | 10:00p | 14.2 | 14.6 | 14.2 | 92 | 12.9 | 1.6 | NE | 0.80 | 8.0 | NE | 14.2 | 14.3 | 14.3 | 1018.2 | 0.00 | 0.0 | 0.086 | 0.000 | 19.3 |
| 15/01/19 | 10:30p | 14.0 | 14.2 | 14.0 | 93 | 12.9 | 0.0 | W | 0.00 | 6.4 | ENE | 14.0 | 14.1 | 14.1 | 1018.2 | 0.00 | 0.0 | 0.090 | 0.000 | 19.3 |
| 15/01/19 | 11:00p | 13.7 | 14.0 | 13.7 | 94 | 12.8 | 1.6 | NE | 0.80 | 11.3 | ENE | 13.7 | 13.8 | 13.8 | 1018.0 | 0.00 | 0.0 | 0.096 | 0.000 | 19.2 |
| 15/01/19 | 11:30p | 13.5 | 13.7 | 13.5 | 94 | 12.6 | 1.6 | ENE | 0.80 | 11.3 | ENE | 13.5 | 13.6 | 13.6 | 1017.7 | 0.00 | 0.0 | 0.101 | 0.000 | 19.1 |
| 16/01/19 | 12:00a | 13.3 | 13.5 | 13.3 | 95 | 12.5 | 1.6 | NE | 0.80 | 8.0 | N | 13.3 | 13.4 | 13.4 | 1017.4 | 0.00 | 0.0 | 0.104 | 0.000 | 19.1 |

| Date | Time | In Hum | In Dew | In Heat | In EMC | In Air Density | Wind Samp | Wind Tx | ISS Recept | Arc. Int. |
|----------|--------|--------|--------|---------|--------|----------------|-----------|---------|------------|-----------|
| 15/01/19 | 12:30a | 74 | 14.0 | 18.9 | 14.25 | .0747 | 702 | 1 | 100.0 | 30 |
| 15/01/19 | 1:00a | 74 | 13.9 | 18.9 | 14.25 | .0747 | 695 | 1 | 100.0 | 30 |
| 15/01/19 | 1:30a | 73 | 14.1 | 19.3 | 14.02 | .0745 | 572 | 1 | 83.6 | 30 |
| 15/01/19 | 2:00a | 72 | 14.1 | 19.6 | 13.75 | .0745 | 0 | 1 | 0.0 | 30 |
| 15/01/19 | 2:30a | 73 | 13.8 | 18.9 | 14.03 | .0746 | 0 | 1 | 0.0 | 30 |
| 15/01/19 | 3:00a | 73 | 13.7 | 18.8 | 14.04 | .0747 | 0 | 1 | 0.0 | 30 |
| 15/01/19 | 3:30a | 73 | 13.6 | 18.7 | 14.04 | .0747 | 0 | 1 | 0.0 | 30 |
| 15/01/19 | 4:00a | 72 | 13.8 | 19.1 | 13.75 | .0746 | 0 | 1 | 0.0 | 30 |
| 15/01/19 | 4:30a | 71 | 13.8 | 19.4 | 13.52 | .0746 | 0 | 1 | 0.0 | 30 |
| 15/01/19 | 5:00a | 72 | 13.5 | 18.7 | 13.75 | .0748 | 0 | 1 | 0.0 | 30 |
| 15/01/19 | 5:30a | 73 | 13.5 | 18.6 | 14.05 | .0748 | 0 | 1 | 0.0 | 30 |
| 15/01/19 | 6:00a | 73 | 13.5 | 18.6 | 14.05 | .0748 | 0 | 1 | 0.0 | 30 |
| 15/01/19 | 6:30a | 73 | 13.6 | 18.6 | 14.04 | .0749 | 91 | 1 | 13.3 | 30 |
| 15/01/19 | 7:00a | 74 | 13.8 | 18.7 | 14.25 | .0749 | 696 | 1 | 100.0 | 30 |
| 15/01/19 | 7:30a | 74 | 13.9 | 18.8 | 14.25 | .0749 | 692 | 1 | 100.0 | 30 |
| 15/01/19 | 8:00a | 73 | 13.9 | 19.1 | 14.03 | .0748 | 692 | 1 | 100.0 | 30 |
| 15/01/19 | 8:30a | 72 | 13.9 | 19.3 | 13.75 | .0747 | 701 | 1 | 100.0 | 30 |
| 15/01/19 | 9:00a | 72 | 14.2 | 19.6 | 13.75 | .0746 | 701 | 1 | 100.0 | 30 |
| 15/01/19 | 9:30a | 71 | 14.2 | 19.8 | 13.51 | .0745 | 696 | 1 | 100.0 | 30 |
| 15/01/19 | 10:00a | 71 | 14.3 | 20.1 | 13.50 | .0745 | 691 | 1 | 100.0 | 30 |
| 15/01/19 | 10:30a | 71 | 14.5 | 20.2 | 13.49 | .0744 | 699 | 1 | 100.0 | 30 |
| 15/01/19 | 11:00a | 70 | 14.4 | 20.3 | 13.23 | .0743 | 698 | 1 | 100.0 | 30 |
| 15/01/19 | 11:30a | 70 | 14.5 | 20.4 | 13.22 | .0742 | 703 | 1 | 100.0 | 30 |
| 15/01/19 | 12:00p | 69 | 14.5 | 20.6 | 12.91 | .0741 | 691 | 1 | 100.0 | 30 |
| 15/01/19 | 12:30p | 68 | 14.3 | 20.6 | 12.60 | .0741 | 695 | 1 | 100.0 | 30 |
| 15/01/19 | 1:00p | 68 | 14.5 | 20.7 | 12.59 | .0740 | 693 | 1 | 100.0 | 30 |
| 15/01/19 | 1:30p | 67 | 14.3 | 20.7 | 12.37 | .0740 | 696 | 1 | 100.0 | 30 |
| 15/01/19 | 2:00p | 67 | 14.5 | 20.8 | 12.36 | .0739 | 691 | 1 | 100.0 | 30 |
| 15/01/19 | 2:30p | 67 | 14.5 | 20.8 | 12.36 | .0739 | 697 | 1 | 100.0 | 30 |
| 15/01/19 | 3:00p | 67 | 14.5 | 20.8 | 12.36 | .0739 | 701 | 1 | 100.0 | 30 |
| 15/01/19 | 3:30p | 68 | 14.7 | 20.8 | 12.57 | .0739 | 698 | 1 | 100.0 | 30 |
| 15/01/19 | 4:00p | 68 | 14.6 | 20.8 | 12.58 | .0740 | 697 | 1 | 100.0 | 30 |
| 15/01/19 | 4:30p | 69 | 14.8 | 20.8 | 12.88 | .0740 | 696 | 1 | 100.0 | 30 |
| 15/01/19 | 5:00p | 69 | 14.6 | 20.7 | 12.89 | .0740 | 702 | 1 | 100.0 | 30 |
| 15/01/19 | 5:30p | 70 | 14.7 | 20.6 | 13.21 | .0741 | 703 | 1 | 100.0 | 30 |
| 15/01/19 | 6:00p | 70 | 14.6 | 20.5 | 13.21 | .0742 | 692 | 1 | 100.0 | 30 |
| 15/01/19 | 6:30p | 70 | 14.4 | 20.4 | 13.23 | .0742 | 703 | 1 | 100.0 | 30 |
| 15/01/19 | 7:00p | 70 | 14.3 | 20.3 | 13.23 | .0743 | 702 | 1 | 100.0 | 30 |
| 15/01/19 | 7:30p | 71 | 14.4 | 20.2 | 13.50 | .0743 | 694 | 1 | 100.0 | 30 |
| 15/01/19 | 8:00p | 71 | 14.3 | 20.1 | 13.50 | .0744 | 701 | 1 | 100.0 | 30 |
| 15/01/19 | 8:30p | 71 | 14.3 | 19.9 | 13.50 | .0745 | 702 | 1 | 100.0 | 30 |
| 15/01/19 | 9:00p | 71 | 14.2 | 19.8 | 13.51 | .0745 | 694 | 1 | 100.0 | 30 |
| 15/01/19 | 9:30p | 71 | 14.0 | 19.7 | 13.51 | .0745 | 702 | 1 | 100.0 | 30 |
| 15/01/19 | 10:00p | 72 | 14.2 | 19.6 | 13.75 | .0745 | 703 | 1 | 100.0 | 30 |
| 15/01/19 | 10:30p | 72 | 14.1 | 19.6 | 13.75 | .0746 | 694 | 1 | 100.0 | 30 |
| 15/01/19 | 11:00p | 72 | 14.0 | 19.4 | 13.75 | .0746 | 702 | 1 | 100.0 | 30 |
| 15/01/19 | 11:30p | 72 | 13.9 | 19.3 | 13.75 | .0746 | 701 | 1 | 100.0 | 30 |
| 16/01/19 | 12:00a | 72 | 13.9 | 19.3 | 13.75 | .0746 | 694 | 1 | 100.0 | 30 |