Current Time: 8:00 AM

OAK RIDGE NATIONAL LABORATORY
Managed by UT-Battelle for the Department of Energy

# Daily Summary Report

Site: Tower "C" (1000 Area)

1/28/2014

Interval: 001h

| | 01_TempC_10m | 02_TempC_30m | 03_TempC_100m | 07_VTGrad30 | 08_VTGrad100 | 09_DewPtC_10m | 11_SoilTempC | 12_RH | 13_AbsHum gm3 |
|---|---|---|---|---|---|---|---|---|---|
| Hour | DEGC | DEGC | DEGC | DEGC | DEGC | DEGC | DEGC | PERCENT | G/M3 |
| 00:00 | -6.3 | -6.5 | -6.9 | -.2 | -.6 | -19.0 | 1.1 | 36.2 | 1.1 |
| 01:00 | -6.8 | -7.0 | -7.4 | -.3 | -.6 | -19.8 | 1.1 | 34.9 | 1.0 |
| 02:00 | -7.1 | -7.4 | -7.7 | -.3 | -.6 | -19.7 | 1.1 | 36.5 | 1.1 |
| 03:00 | -7.4 | -7.7 | -8.0 | -.3 | -.6 | -18.7 | 1.1 | 40.4 | 1.2 |
| 04:00 | -7.7 | -8.0 | -8.4 | -.3 | -.7 | -18.2 | 1.1 | 42.8 | 1.2 |
| 05:00 | -8.0 | -8.3 | -8.7 | -.3 | -.7 | -18.8 | 1.0 | 41.7 | 1.1 |
| 06:00 | -8.1 | -8.4 | -8.8 | -.3 | -.7 | -19.2 | 1.0 | 40.7 | 1.1 |
| 07:00 | -8.3 | -8.6 | -9.1 | -.3 | -.8 | -19.6 | 1.0 | 39.9 | 1.1 |
| 08:00 | -8.5 | -8.8 | -9.1 | -.3 | -.8 | -19.3 | 1.0 | 41.8 | 1.1 |
| 09:00 | -8.7 | -9.1 | -9.5 | -.4 | -.8 | -17.1 | 1.0 | 51.2 | 1.3 |
| 10:00 | -8.7 | -9.1 | -9.5 | -.4 | -.8 | -14.2 | 1.0 | 64.6 | 1.7 |
| 11:00 | -8.3 | -8.7 | -9.3 | -.4 | -1.0 | -12.9 | 1.0 | 69.8 | 1.9 |
| 12:00 | -8.0 | -8.4 | -9.0 | -.4 | -1.0 | -11.8 | 1.0 | 74.1 | 2.0 |
| 13:00 | -7.6 | -8.0 | -8.4 | -.4 | -.8 | -11.3 | 1.0 | 74.7 | 2.1 |
| 14:00 | -7.4 | -7.8 | -8.2 | -.4 | -.8 | -10.7 | 1.0 | 77.4 | 2.2 |
| 15:00 | -7.5 | -7.8 | -8.2 | -.3 | -.7 | -10.3 | 1.0 | 80.8 | 2.3 |
| 16:00 | -7.7 | -8.0 | -8.5 | -.3 | -.8 | -10.0 | 1.0 | 84.1 | 2.3 |
| 17:00 | -8.2 | -8.5 | -9.0 | -.3 | -.8 | -10.3 | 1.0 | 85.1 | 2.3 |
| 18:00 | -8.7 | -9.0 | -9.4 | -.2 | -.7 | -10.6 | 1.0 | 86.5 | 2.2 |
| 19:00 | -9.1 | -9.3 | -9.6 | -.2 | -.5 | -11.0 | 1.0 | 86.3 | 2.2 |
| 20:00 | -9.3 | -9.5 | -9.8 | -.2 | -.5 | -11.5 | 1.0 | 84.6 | 2.1 |
| 21:00 | -9.8 | -9.6 | -9.9 | .1 | .1 | -11.9 | 1.0 | 84.5 | 2.0 |
| 22:00 | -11.2 | -10.3 | -10.5 | 1.0 | .7 | -12.6 | 1.0 | 90.1 | 1.9 |
| 23:00 | -11.9 | -11.1 | -11.2 | .8 | .7 | -13.1 | 1.0 | 90.3 | 1.8 |
| Avg | -8.3 | -8.5 | -8.9 | -.2 | -.6 | -14.7 | 1.0 | 64.1 | 1.7 |
| Max | -6.3 | -6.5 | -6.9 | 1.0 | .7 | -10.0 | 1.1 | 90.3 | 2.3 |
| Hr. of Max | 00 | 00 | 00 | 22 | 23 | 16 | 04 | 23 | 17 |
| Min | -11.9 | -11.1 | -11.2 | -.4 | -1.0 | -19.8 | 1.0 | 34.9 | 1.0 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

Current Time: 8:00 AM

OAK RIDGE NATIONAL LABORATORY
Managed by UT-Battelle for the Department of Energy

# Daily Summary Report

Site: Tower "C" (1000 Area)

1/28/2014

Interval: 001h

| | 14_Mix Ratio | 15_Vapor Pr | 17_Precip_In | 19_BP | 22_Solar_Rad | 23_WDir_10m | 24_WDir_30m | 25_WDir_100m | 29_Sigma_10m |
|---|---|---|---|---|---|---|---|---|---|
| Hour | None | KPa | INCHES | INHG | W/M2 | DEG | DEG | DEG | DEG |
| 00:00 | 0.00087 | 1.4 | .00 | 29.27 | -3.1 | 44 | 35 | 31 | 31 |
| 01:00 | 0.000806 | 1.3 | .00 | 29.27 | -2.9 | 60 | 50 | 43 | 29 |
| 02:00 | 0.000817 | 1.3 | .00 | 29.27 | -3.2 | 62 | 50 | 45 | 32 |
| 03:00 | 0.000888 | 1.4 | .00 | 29.28 | -3.2 | 62 | 54 | 49 | 28 |
| 04:00 | 0.00092 | 1.5 | .00 | 29.28 | -3.0 | 59 | 48 | 44 | 35 |
| 05:00 | 0.000875 | 1.4 | .00 | 29.29 | -3.5 | 61 | 47 | 39 | 38 |
| 06:00 | 0.000847 | 1.3 | .00 | 29.29 | -3.4 | 64 | 48 | 43 | 32 |
| 07:00 | 0.000817 | 1.3 | .00 | 29.29 | -1.8 | 65 | 48 | 42 | 30 |
| 08:00 | 0.000842 | 1.3 | .00 | 29.30 | 13.1 | 59 | 46 | 37 | 41 |
| 09:00 | 0.001014 | 1.6 | .00 | 29.31 | 56.4 | 53 | 42 | 36 | 37 |
| 10:00 | 0.001284 | 2.0 | .00 | 29.32 | 134.2 | 55 | 44 | 35 | 41 |
| 11:00 | 0.001428 | 2.3 | .01 | 29.32 | 170.9 | 74 | 61 | 46 | 19 |
| 12:00 | 0.001552 | 2.5 | .00 | 29.30 | 218.6 | 81 | 74 | 63 | 17 |
| 13:00 | 0.001621 | 2.6 | .01 | 29.28 | 191.6 | 76 | 69 | 55 | 18 |
| 14:00 | 0.001699 | 2.7 | .02 | 29.26 | 166.5 | 75 | 67 | 60 | 20 |
| 15:00 | 0.001762 | 2.8 | .01 | 29.26 | 80.8 | 66 | 61 | 56 | 22 |
| 16:00 | 0.001802 | 2.9 | .01 | 29.26 | 52.3 | 69 | 63 | 56 | 25 |
| 17:00 | 0.001751 | 2.8 | .01 | 29.26 | 7.0 | 59 | 53 | 50 | 30 |
| 18:00 | 0.001711 | 2.7 | .01 | 29.27 | -3.0 | 55 | 53 | 48 | 28 |
| 19:00 | 0.001663 | 2.6 | .00 | 29.27 | -3.1 | 59 | 49 | 41 | 27 |
| 20:00 | 0.001596 | 2.5 | .01 | 29.27 | -3.5 | 35 | 40 | 30 | 30 |
| 21:00 | 0.00154 | 2.4 | .00 | 29.28 | -3.1 | 353 | 28 | 21 | 12 |
| 22:00 | 0.001462 | 2.3 | .00 | 29.29 | -3.7 | 268 | 287 | 330 | 6 |
| 23:00 | 0.001393 | 2.2 | .00 | 29.30 | -4.0 | 257 | 233 | 306 | 10 |
| Avg | 0.00129 | 2.0 | .00 | 29.28 | 43.6 | 57 | 49 | 39 | 27 |
| Max | 0.001802 | 2.9 | .02 | 29.32 | 218.6 | 353 | 287 | 330 | 41 |
| Hr. of Max | 16 | 16 | 14 | 11 | 12 | 21 | 22 | 22 | 10 |
| Min | 0.000806 | 1.3 | .00 | 29.26 | -4.0 | 35 | 28 | 21 | 6 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

Current Time: 8:00 AM

OAK RIDGE NATIONAL LABORATORY
Managed by UT-Battelle for the Department of Energy

# Daily Summary Report

Site: Tower "C" (1000 Area)

1/28/2014

Interval: 001h

| | 30_Sigma_30m | 31_Sigma_100m | 35_WSpd_10m | 36_WSpd_30m | 37_WSpd_100m | 44_PkWd_10m | 45_PkWd_30m | 46_PkWd_100m |
|---|---|---|---|---|---|---|---|---|
| Hour | DEG | DEG | MPH | MPH | MPH | MPH | MPH | MPH |
| 00:00 | 20 | 11 | 3.1 | 6.3 | 10.1 | 10.1 | 13.7 | 18.8 |
| 01:00 | 17 | 7 | 3.2 | 6.2 | 10.3 | 10.3 | 15.1 | 20.4 |
| 02:00 | 17 | 8 | 3.7 | 7.1 | 11.4 | 11.4 | 18.1 | 27.0 |
| 03:00 | 18 | 8 | 3.6 | 6.3 | 10.2 | 12.1 | 15.1 | 30.9 |
| 04:00 | 19 | 9 | 3.6 | 7.2 | 11.4 | 13.7 | 16.9 | 19.7 |
| 05:00 | 21 | 9 | 3.4 | 6.4 | 11.0 | 11.4 | 16.0 | 19.0 |
| 06:00 | 17 | 8 | 3.4 | 6.6 | 11.0 | 11.9 | 15.6 | 24.5 |
| 07:00 | 18 | 8 | 4.0 | 8.1 | 13.6 | 13.5 | 19.7 | 26.8 |
| 08:00 | 20 | 9 | 3.7 | 8.0 | 13.1 | 15.6 | 19.2 | 26.6 |
| 09:00 | 20 | 10 | 3.7 | 6.9 | 11.0 | 12.1 | 14.9 | 19.7 |
| 10:00 | 24 | 12 | 3.1 | 4.8 | 8.3 | 10.8 | 20.6 | 20.6 |
| 11:00 | 19 | 11 | 4.9 | 4.8 | 5.9 | 12.4 | 12.6 | 13.1 |
| 12:00 | 15 | 9 | 5.6 | 5.5 | 4.9 | 14.4 | 11.0 | 11.0 |
| 13:00 | 13 | 10 | 4.7 | 5.4 | 5.1 | 15.1 | 14.7 | 11.0 |
| 14:00 | 18 | 9 | 4.2 | 4.7 | 4.5 | 10.5 | 11.9 | 11.2 |
| 15:00 | 17 | 8 | 3.6 | 4.4 | 4.9 | 11.2 | 10.5 | 9.2 |
| 16:00 | 19 | 8 | 3.4 | 4.1 | 5.1 | 11.2 | 13.7 | 10.8 |
| 17:00 | 18 | 7 | 2.3 | 4.3 | 7.0 | 14.4 | 11.4 | 14.2 |
| 18:00 | 16 | 5 | 2.3 | 4.2 | 7.2 | 6.6 | 9.6 | 12.6 |
| 19:00 | 18 | 7 | 2.0 | 4.2 | 8.1 | 7.3 | 10.1 | 12.8 |
| 20:00 | 17 | 12 | 1.2 | 2.8 | 5.1 | 4.6 | 7.3 | 10.8 |
| 21:00 | 12 | 11 | .7 | 1.0 | 2.9 | 2.7 | 5.5 | 9.6 |
| 22:00 | 8 | 5 | 1.5 | 1.8 | 2.8 | 2.5 | 3.9 | 6.4 |
| 23:00 | 12 | 9 | 1.3 | 1.6 | 4.8 | 3.7 | 3.0 | 7.3 |
| Avg | 17 | 9 | 3.2 | 5.1 | 7.9 | 10.4 | 12.9 | 16.4 |
| Max | 24 | 12 | 5.6 | 8.1 | 13.6 | 15.6 | 20.6 | 30.9 |
| Hr. of Max | 10 | 20 | 12 | 07 | 07 | 08 | 10 | 03 |
| Min | 8 | 5 | .7 | 1.0 | 2.8 | 2.5 | 3.0 | 6.4 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | |