Current Time: 6:16 PM

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

# Daily Summary Report

Site: Tower "C" (1000 Area)

1/1/2014

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 | -2.6 | -1.9 | -1.5 | .7 | 1.1 | -3.3 | 3.1 | 95.7 | 3.8 |
| 01:00 | -2.7 | -2.0 | -1.5 | .7 | 1.2 | -3.2 | 3.0 | 96.8 | 3.9 |
| 02:00 | -3.3 | -2.6 | -2.0 | .7 | 1.3 | -3.8 | 2.9 | 96.9 | 3.7 |
| 03:00 | -3.4 | -2.8 | -2.2 | .5 | 1.2 | -3.8 | 2.8 | 96.9 | 3.7 |
| 04:00 | -3.5 | -3.2 | -2.6 | .3 | .9 | -4.0 | 2.7 | 96.9 | 3.7 |
| 05:00 | -4.2 | -3.5 | -3.3 | .8 | .9 | -4.7 | 2.7 | 96.8 | 3.5 |
| 06:00 | -4.9 | -3.8 | -3.7 | 1.0 | 1.2 | -5.4 | 2.6 | 96.7 | 3.3 |
| 07:00 | -4.6 | -3.9 | -3.8 | .7 | .8 | -5.1 | 2.5 | 96.7 | 3.4 |
| 08:00 | -4.9 | -4.1 | -3.9 | .8 | 1.0 | -5.3 | 2.4 | 96.7 | 3.3 |
| 09:00 | -4.4 | -4.0 | -3.8 | .4 | .6 | -4.9 | 2.4 | 96.8 | 3.4 |
| 10:00 | -2.5 | -2.5 | -3.5 | .0 | -1.0 | -3.0 | 2.3 | 96.9 | 3.9 |
| 11:00 | .4 | .0 | -.6 | -.4 | -1.0 | -.8 | 2.3 | 92.1 | 4.6 |
| 12:00 | 3.4 | 3.0 | 1.8 | -.4 | -1.6 | -2.2 | 2.3 | 67.6 | 4.1 |
| 13:00 | 5.4 | 5.2 | 4.0 | -.2 | -1.4 | -3.8 | 2.3 | 51.9 | 3.6 |
| 14:00 | 7.0 | 6.8 | 5.6 | -.2 | -1.4 | -4.6 | 2.7 | 44.0 | 3.4 |
| 15:00 | 8.1 | 7.9 | 7.0 | -.2 | -1.1 | -4.8 | 3.2 | 40.4 | 3.3 |
| 16:00 | 8.4 | 8.3 | 7.3 | -.1 | -1.1 | -4.4 | 3.7 | 40.7 | 3.4 |
| 17:00 | 6.4 | 7.2 | 6.9 | .7 | .5 | -2.6 | 3.8 | 53.4 | 4.0 |
| 18:00 | 4.0 | 5.2 | 6.1 | 1.2 | 2.1 | -1.7 | 3.7 | 67.3 | 4.2 |
| 19:00 | 2.3 | 3.5 | 5.1 | 1.2 | 2.8 | -.9 | 3.5 | 79.6 | 4.5 |
| 20:00 | 1.0 | 2.2 | 4.5 | 1.2 | 3.5 | -1.4 | 3.3 | 84.8 | 4.4 |
| 21:00 | .1 | 1.2 | 3.5 | 1.1 | 3.4 | -1.4 | 3.1 | 90.4 | 4.4 |
| 22:00 | -.2 | .7 | 3.1 | .9 | 3.3 | -1.4 | 3.0 | 92.4 | 4.4 |
| 23:00 | -.6 | .4 | 2.2 | 1.0 | 2.8 | -1.5 | 2.9 | 94.0 | 4.4 |
| Avg | .2 | .7 | 1.0 | .5 | .8 | -3.3 | 2.9 | 81.8 | 3.8 |
| Max | 8.4 | 8.3 | 7.3 | 1.2 | 3.5 | -.8 | 3.8 | 96.9 | 4.6 |
| Hr. of Max | 16 | 16 | 16 | 20 | 20 | 11 | 17 | 10 | 11 |
| Min | -4.9 | -4.1 | -3.9 | -.4 | -1.6 | -5.4 | 2.3 | 40.4 | 3.3 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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# Daily Summary Report

Site: Tower "C" (1000 Area)

1/1/2014

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 | 0.003023 | 4.8 | .00 | 29.34 | -3.0 | 311 | 68 | 83 | 8 |
| 01:00 | 0.003033 | 4.8 | .00 | 29.33 | -2.8 | 11 | 79 | 54 | 6 |
| 02:00 | 0.002891 | 4.6 | .00 | 29.34 | -3.1 | 349 | 11 | 85 | 5 |
| 03:00 | 0.002891 | 4.6 | .00 | 29.33 | -3.1 | 11 | 63 | 49 | 9 |
| 04:00 | 0.002861 | 4.5 | .00 | 29.32 | -3.4 | 11 | 82 | 57 | 6 |
| 05:00 | 0.002707 | 4.3 | .00 | 29.32 | -3.3 | 348 | 58 | 66 | 9 |
| 06:00 | 0.002575 | 4.1 | .00 | 29.32 | -3.5 | 286 | 55 | 59 | 8 |
| 07:00 | 0.00263 | 4.2 | .00 | 29.32 | -2.6 | 19 | 54 | 46 | 11 |
| 08:00 | 0.002578 | 4.1 | .00 | 29.33 | 27.6 | 286 | 51 | 58 | 10 |
| 09:00 | 0.002662 | 4.2 | .00 | 29.34 | 90.2 | 233 | 235 | 75 | 7 |
| 10:00 | 0.003085 | 4.9 | .00 | 29.34 | 170.9 | 221 | 261 | 47 | 7 |
| 11:00 | 0.003631 | 5.8 | .00 | 29.32 | 583.4 | 135 | 141 | 38 | 17 |
| 12:00 | 0.00329 | 5.2 | .00 | 29.29 | 563.9 | 165 | 172 | 188 | 28 |
| 13:00 | 0.002931 | 4.6 | .00 | 29.25 | 530.9 | 230 | 241 | 241 | 19 |
| 14:00 | 0.002776 | 4.4 | .00 | 29.22 | 453.1 | 220 | 228 | 228 | 25 |
| 15:00 | 0.002739 | 4.3 | .00 | 29.21 | 254.1 | 227 | 235 | 230 | 17 |
| 16:00 | 0.002816 | 4.5 | .00 | 29.19 | 120.1 | 240 | 240 | 232 | 16 |
| 17:00 | 0.003227 | 5.1 | .00 | 29.18 | 10.4 | 286 | 270 | 282 | 9 |
| 18:00 | 0.003434 | 5.4 | .00 | 29.17 | -2.1 | 7 | 4 | 270 | 13 |
| 19:00 | 0.003619 | 5.7 | .00 | 29.17 | -2.3 | 7 | 41 | 264 | 5 |
| 20:00 | 0.003507 | 5.5 | .00 | 29.16 | -2.0 | 8 | 305 | 271 | 13 |
| 21:00 | 0.003508 | 5.5 | .00 | 29.15 | -2.5 | 16 | 59 | 248 | 16 |
| 22:00 | 0.003505 | 5.5 | .00 | 29.14 | -2.6 | 1 | 60 | 242 | 5 |
| 23:00 | 0.003475 | 5.5 | .00 | 29.12 | -2.5 | 40 | 66 | 246 | 10 |
| Avg | 0.003058 | 4.8 | .00 | 29.26 | 115.2 | 324 | 52 | 1 | 12 |
| Max | 0.003631 | 5.8 | .00 | 29.34 | 583.4 | 349 | 305 | 282 | 28 |
| Hr. of Max | 11 | 11 | 23 | 10 | 11 | 02 | 20 | 17 | 12 |
| Min | 0.002575 | 4.1 | .00 | 29.12 | -3.5 | 1 | 4 | 38 | 5 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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# Daily Summary Report

Site: Tower "C" (1000 Area)

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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 | 3 | 2 | .6 | 1.0 | 2.5 | 1.8 | 2.5 | 4.1 |
| 01:00 | 9 | 5 | 1.5 | 1.8 | 3.3 | 3.7 | 4.8 | 8.2 |
| 02:00 | 5 | 3 | .9 | 1.1 | 2.3 | 3.9 | 4.4 | 5.0 |
| 03:00 | 4 | 2 | .9 | 1.0 | 3.8 | 3.9 | 5.7 | 9.2 |
| 04:00 | 6 | 2 | .9 | 1.3 | 5.0 | 3.0 | 5.0 | 13.7 |
| 05:00 | 4 | 3 | .5 | .9 | 3.6 | 2.7 | 3.0 | 7.6 |
| 06:00 | 11 | 3 | 1.2 | 1.6 | 4.3 | 3.4 | 3.4 | 9.8 |
| 07:00 | 8 | 10 | .5 | 2.1 | 6.0 | 3.0 | 6.0 | 17.2 |
| 08:00 | 18 | 3 | 1.0 | 1.4 | 3.9 | 2.7 | 3.4 | 10.1 |
| 09:00 | 5 | 4 | 1.5 | 1.8 | 3.1 | 3.0 | 2.5 | 5.7 |
| 10:00 | 11 | 7 | 1.2 | 1.5 | 2.4 | 3.2 | 2.7 | 7.3 |
| 11:00 | 23 | 22 | 2.1 | 2.2 | 2.5 | 5.5 | 6.0 | 6.0 |
| 12:00 | 25 | 19 | 2.4 | 2.4 | 2.6 | 7.1 | 7.8 | 6.9 |
| 13:00 | 21 | 17 | 4.3 | 4.6 | 5.1 | 10.1 | 10.1 | 12.6 |
| 14:00 | 20 | 14 | 4.1 | 4.6 | 6.1 | 11.2 | 11.9 | 13.5 |
| 15:00 | 14 | 9 | 5.0 | 6.3 | 8.4 | 10.8 | 12.1 | 14.4 |
| 16:00 | 13 | 7 | 3.5 | 5.3 | 8.3 | 9.4 | 11.9 | 19.9 |
| 17:00 | 9 | 5 | 1.4 | 1.8 | 4.8 | 7.1 | 10.1 | 11.2 |
| 18:00 | 5 | 3 | .2 | .6 | 3.8 | 1.1 | 1.6 | 8.0 |
| 19:00 | 4 | 2 | .2 | .6 | 2.5 | 1.6 | 1.5 | 9.4 |
| 20:00 | 9 | 2 | .2 | .5 | 2.3 | .9 | 1.3 | 3.4 |
| 21:00 | 9 | 12 | .4 | .8 | 1.3 | 1.6 | 2.0 | 4.1 |
| 22:00 | 4 | 4 | .2 | .7 | 3.4 | 1.6 | 1.8 | 5.7 |
| 23:00 | 3 | 3 | .2 | .7 | 4.9 | 1.1 | 1.8 | 8.5 |
| Avg | 10 | 7 | 1.5 | 1.9 | 4.0 | 4.3 | 5.1 | 9.2 |
| Max | 25 | 22 | 5.0 | 6.3 | 8.4 | 11.2 | 12.1 | 19.9 |
| Hr. of Max | 12 | 11 | 15 | 15 | 15 | 14 | 15 | 16 |
| Min | 3 | 2 | .2 | .5 | 1.3 | .9 | 1.3 | 3.4 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | |