Current Time: 7:31 AM

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

# Daily Summary Report

Site: Tower "C" (1000 Area)

1/9/2013

Interval: 001h

| | 01_TempC_10m | 02_TempC_30m | 03_TempC_100m | 07_VTGrad30 | 08_VTGrad100 | 09_DewPtC_10m | 11_SoilTempC | 12_RH | 13_AbsHm gm3 |
|---|---|---|---|---|---|---|---|---|---|
| Hour | DEGC | DEGC | DEGC | DEGC | DEGC | DEGC | DEGC | PERCENT | G/M3 |
| 00:00 | 3.1 | 4.4 | 6.1 | 1.3 | 3.0 | 2.0 | 4.5 | 92.8 | 5.5 |
| 01:00 | 3.9 | 4.6 | 6.8 | .6 | 2.9 | 2.0 | 4.4 | 87.9 | 5.5 |
| 02:00 | 4.8 | 5.0 | 7.2 | .3 | 2.4 | 2.7 | 4.4 | 87.1 | 5.8 |
| 03:00 | 5.2 | 5.6 | 7.5 | .3 | 2.3 | 2.8 | 4.5 | 85.1 | 5.8 |
| 04:00 | 5.4 | 5.8 | 7.8 | .4 | 2.4 | 3.1 | 4.6 | 85.3 | 5.9 |
| 05:00 | 5.8 | 6.3 | 7.8 | .5 | 2.0 | 3.6 | 4.6 | 86.1 | 6.1 |
| 06:00 | 5.8 | 6.3 | 7.4 | .5 | 1.6 | 3.6 | 4.7 | 86.3 | 6.1 |
| 07:00 | 6.2 | 6.6 | 7.4 D | .5 | 1.2 D | 3.8 | 4.7 | 85.9 | 6.3 |
| 08:00 | 6.5 | 6.7 | 7.8 | .2 | 1.3 | 4.2 | 4.8 | 85.8 | 6.4 |
| 09:00 | 7.1 | 6.9 | 7.4 | -.1 | .3 | 5.5 | 4.8 | 90.8 | 7.0 |
| 10:00 | 7.4 | 7.2 | 7.2 | -.2 | -.2 | 6.6 | 5.0 | 96.1 | 7.6 |
| 11:00 | 7.8 | 7.6 | 7.2 | -.1 | -.6 | 7.2 | 5.2 | 97.3 | 7.9 |
| 12:00 | 8.1 | 8.0 | 7.4 | -.2 | -.7 | 7.6 | 5.4 | 97.6 | 8.1 |
| 13:00 | 8.3 | 8.2 | 7.8 | -.2 | -.5 | 7.8 | 5.6 | 97.7 | 8.2 |
| 14:00 | 8.5 | 8.2 | 8.0 | -.2 | -.5 | 8.0 | 5.8 | 97.8 | 8.2 |
| 15:00 | 8.7 | 8.5 | 8.1 | -.2 | -.6 | 8.2 | 6.0 | 97.8 | 8.4 |
| 16:00 | 9.1 | 8.9 | 8.5 | -.2 | -.6 | 8.6 | 6.1 | 97.9 | 8.6 |
| 17:00 | 9.2 | 9.1 | 8.7 | -.1 | -.5 | 8.7 | 6.3 | 97.9 | 8.7 |
| 18:00 | 9.1 | 9.1 | 8.5 | .0 | -.6 | 8.6 | 6.4 | 97.9 | 8.6 |
| 19:00 | 9.1 | 9.1 | 8.4 | .0 | -.7 | 8.6 | 6.4 | 97.9 | 8.6 |
| 20:00 | 9.0 | 9.0 | 8.7 | .0 | -.3 | 8.5 | 6.5 | 97.9 | 8.5 |
| 21:00 | 9.2 | 9.2 | 8.9 | .0 | -.3 | 8.7 | 6.5 | 97.9 | 8.7 |
| 22:00 | 9.3 | 9.4 | 9.2 | .0 | -.2 | 8.8 | 6.5 | 97.8 | 8.7 |
| 23:00 | 9.5 | 9.5 | 9.2 | .0 | -.3 | 9.0 | 6.5 | 97.7 | 8.8 |
| Avg | 7.3 | 7.5 | 7.9 | .1 | .5 | 6.2 | 5.4 | 93.3 | 7.4 |
| Max | 9.5 | 9.5 | 9.2 | 1.3 | 3.0 | 9.0 | 6.5 | 97.9 | 8.8 |
| Hr. of Max | 23 | 23 | 23 | 00 | 00 | 23 | 23 | 21 | 23 |
| Min | 3.1 | 4.4 | 6.1 | -.2 | -.7 | 2.0 | 4.4 | 85.1 | 5.5 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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# Daily Summary Report

Site: Tower "C" (1000 Area)

1/9/2013

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 | 7.1 | .00 | 29.33 | -2.7 | 272 | 249 | 269 | 9 |
| 01:00 | .0 | 7.1 | .00 | 29.34 | -2.6 | 249 | 212 | 280 | 10 |
| 02:00 | .0 | 7.4 | .00 | 29.34 | -2.4 | 65 | 52 | 274 | 4 |
| 03:00 | .0 | 7.5 | .00 | 29.35 | -2.0 | 270 | 61 | 217 | 9 |
| 04:00 | .0 | 7.6 | .00 | 29.35 | -2.3 | 274 | 132 | 192 | 10 |
| 05:00 | .0 | 7.9 | .00 | 29.35 | -2.5 | 31 | 53 | 145 | 14 |
| 06:00 | .0 | 7.9 | .00 | 29.36 | -2.3 | 259 | 356 | 139 | 8 |
| 07:00 | .0 | 8.1 | .00 | 29.37 | 3.8 | 58 | 45 | 63 | 5 |
| 08:00 | .0 | 8.3 | .00 | 29.39 | 24.6 | 60 | 73 | 90 | 14 |
| 09:00 | .0 | 9.1 | .02 | 29.41 | 56.1 | 71 | 51 | 98 | 9 |
| 10:00 | .0 | 9.8 | .01 | 29.42 | 74.4 | 7 | 33 | 100 | 14 |
| 11:00 | .0 | 10.2 | .14 | 29.42 | 50.1 | 262 | 258 | 165 | 15 |
| 12:00 | .0 | 10.5 | .02 | 29.40 | 46.8 | 87 | 76 | 50 | 7 |
| 13:00 | .0 | 10.6 | .06 | 29.39 | 29.3 | 143 | 83 | 92 | 8 |
| 14:00 | .0 | 10.7 | .01 | 29.39 | 55.6 | 49 | 49 | 61 | 23 |
| 15:00 | .0 | 10.9 | .00 | 29.40 | 71.3 | 70 | 67 | 64 | 21 |
| 16:00 | .0 | 11.2 | .00 | 29.40 | 66.5 | 89 | 91 | 97 | 14 |
| 17:00 | .0 | 11.3 | .00 | 29.39 | 8.1 | 273 | 75 | 76 | 13 |
| 18:00 | .0 | 11.2 | .00 | 29.40 | -1.8 | 46 | 34 | 33 | 18 |
| 19:00 | .0 | 11.2 | .00 | 29.41 | -1.8 | 58 | 59 | 48 | 15 |
| 20:00 | .0 | 11.1 | .00 | 29.43 | -1.5 | 49 | 61 | 65 | 18 |
| 21:00 | .0 | 11.3 | .00 | 29.44 | -1.6 | 55 | 63 | 66 | 23 |
| 22:00 | .0 | 11.4 | .00 | 29.44 | -2.1 | 33 | 50 | 65 | 17 |
| 23:00 | .0 | 11.5 | .00 | 29.44 | -1.6 | 62 | 50 | 46 | 16 |
| Avg | .0 | 9.6 | .01 | 29.39 | 19.1 | 41 | 59 | 84 | 13 |
| Max | .0 | 11.5 | .14 | 29.44 | 74.4 | 274 | 356 | 280 | 23 |
| Hr. of Max | 23 | 23 | 11 | 23 | 10 | 04 | 06 | 01 | 21 |
| Min | .0 | 7.1 | .00 | 29.33 | -2.7 | 7 | 33 | 33 | 4 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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# Daily Summary Report

Site: Tower "C" (1000 Area)

1/9/2013

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 | 11 | 4 | .7 | .8 | 2.6 | 3.0 | 3.7 | 5.5 |
| 01:00 | 6 | 3 | .3 | .4 | 4.1 | 2.7 | 3.0 | 7.1 |
| 02:00 | 7 | 11 | .2 | .2 | 1.1 | 1.4 | 1.8 | 5.5 |
| 03:00 | 7 | 3 | .6 | .7 | 2.1 | 2.1 | 2.4 | 3.4 |
| 04:00 | 9 | 2 | .5 | .6 | 3.9 | 1.4 | 1.6 | 5.5 |
| 05:00 | 7 | 8 | .5 | .6 | 2.7 | 2.5 | 3.2 | 10.1 |
| 06:00 | 12 | 6 | .9 | 1.0 | 1.5 | 3.4 | 3.8 | 6.6 |
| 07:00 | 5 | 4 | .5 | .7 | 1.2 | 1.8 | 2.1 | 3.0 |
| 08:00 | 7 | 4 | .2 | .2 | 1.0 | 1.6 | 1.8 | 4.8 |
| 09:00 | 10 | 6 | .5 | .7 | 1.5 | 2.1 | 2.4 | 4.4 |
| 10:00 | 14 | 4 | .8 | .8 | 2.3 | 3.2 | 4.4 | 6.2 |
| 11:00 | 16 | 15 | 1.1 | 1.3 | 2.1 | 3.2 | 2.7 | 5.7 |
| 12:00 | 12 | 6 | 1.1 | 1.3 | 1.5 | 3.9 | 3.0 | 3.7 |
| 13:00 | 10 | 8 | .7 | .8 | 1.2 | 3.0 | 3.4 | 3.0 |
| 14:00 | 13 | 6 | 1.9 | 4.0 | 4.3 | 7.3 | 13.1 | 14.2 |
| 15:00 | 14 | 6 | 3.2 | 4.9 | 6.4 | 7.8 | 11.2 | 12.8 |
| 16:00 | 12 | 10 | 2.3 | 2.9 | 4.2 | 6.4 | 8.2 | 8.5 |
| 17:00 | 14 | 14 | 2.1 | 2.8 | 4.6 | 8.5 | 10.1 | 13.7 |
| 18:00 | 14 | 5 | .9 | 3.6 | 8.1 | 4.6 | 8.5 | 21.1 |
| 19:00 | 11 | 5 | 1.5 | 3.2 | 6.6 | 6.6 | 8.9 | 14.0 |
| 20:00 | 11 | 7 | 2.1 | 4.0 | 6.0 | 7.6 | 9.4 | 14.4 |
| 21:00 | 15 | 7 | 1.6 | 3.7 | 6.3 | 8.5 | 10.5 | 12.6 |
| 22:00 | 10 | 7 | 1.8 | 3.9 | 5.5 | 5.3 | 8.5 | 12.4 |
| 23:00 | 12 | 4 | 1.7 | 4.6 | 10.6 | 6.4 | 11.2 | 15.8 |
| Avg | 11 | 6 | 1.2 | 2.0 | 3.8 | 4.3 | 5.8 | 8.9 |
| Max | 16 | 15 | 3.2 | 4.9 | 10.6 | 8.5 | 13.1 | 21.1 |
| Hr. of Max | 11 | 11 | 15 | 15 | 23 | 21 | 14 | 18 |
| Min | 5 | 2 | .2 | .2 | 1.0 | 1.4 | 1.6 | 3.0 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | |