Current Time: 8:40 AM

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

# Daily Summary Report

Site: Tower "C" (1000 Area)

12/31/2013

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 | .7 | 1.0 | .5 | .2 | -.2 | -.7 | 5.0 | 90.6 | 4.6 |
| 01:00 | -.2 | .3 | .0 | .5 | -.2 | -1.3 | 4.8 | 92.9 | 4.4 |
| 02:00 | -1.1 | -.4 | -.5 | .8 | .6 | -1.8 | 4.5 | 95.9 | 4.3 |
| 03:00 | -1.4 | -.9 | -.9 | .5 | .5 | -1.9 | 4.2 | 96.9 | 4.2 |
| 04:00 | -1.6 | -1.2 | -1.1 | .4 | .5 | -2.1 | 3.9 | 96.9 | 4.2 |
| 05:00 | -1.4 | -1.2 | -1.2 | .2 | .2 | -2.1 | 3.7 | 95.6 | 4.2 |
| 06:00 | -1.7 | -1.4 | -1.3 | .4 | .5 | -2.7 | 3.5 | 93.6 | 4.0 |
| 07:00 | -2.4 | -1.9 | -1.8 | .5 | .6 | -3.0 | 3.4 | 95.7 | 3.9 |
| 08:00 | -2.3 | -1.8 | -1.8 | .5 | .5 | -3.3 | 3.3 | 93.5 | 3.8 |
| 09:00 | -1.4 | -1.5 | -1.3 | .0 | .1 | -3.2 | 3.2 | 88.5 | 3.9 |
| 10:00 | .0 | -.2 | -.8 | -.2 | -.8 | -4.2 | 3.1 | 73.9 | 3.6 |
| 11:00 | 1.0 | .8 | .0 | -.2 | -1.0 | -5.1 | 3.1 | 63.8 | 3.3 |
| 12:00 | 2.1 | 1.9 | 1.1 | -.2 | -1.0 | -5.7 | 3.2 | 56.8 | 3.2 |
| 13:00 | 3.1 | 2.7 | 2.0 | -.4 | -1.1 | -5.7 | 3.3 | 52.6 | 3.1 |
| 14:00 | 3.9 | 3.5 | 2.8 | -.4 | -1.1 | -6.5 | 3.6 | 47.1 | 3.0 |
| 15:00 | 4.8 | 4.3 | 3.5 | -.5 | -1.3 | -6.3 | 4.2 | 44.9 | 3.0 |
| 16:00 | 4.9 | 4.6 | 3.8 | -.3 | -1.1 | -6.2 | 4.5 | 44.8 | 3.0 |
| 17:00 | 3.4 | 3.8 | 3.6 | .4 | .2 | -4.2 | 4.5 | 58.4 | 3.5 |
| 18:00 | 1.2 | 2.4 | 2.8 | 1.2 | 1.6 | -3.6 | 4.4 | 70.8 | 3.7 |
| 19:00 | .1 | 1.0 | 2.2 | .9 | 2.1 | -3.3 | 4.1 | 78.7 | 3.8 |
| 20:00 | -1.0 | .1 | 1.1 | 1.1 | 2.1 | -3.6 | 3.8 | 83.4 | 3.7 |
| 21:00 | -1.5 | -.7 | .3 | .9 | 1.9 | -3.5 | 3.6 | 87.2 | 3.8 |
| 22:00 | -2.0 | -1.2 | .0 | .8 | 2.0 | -3.3 | 3.4 | 91.2 | 3.8 |
| 23:00 | -2.2 | -1.6 | -.6 | .5 | 1.6 | -3.0 | 3.3 | 94.2 | 3.9 |
| Avg | .2 | .5 | .5 | .3 | .3 | -3.6 | 3.8 | 78.7 | 3.7 |
| Max | 4.9 | 4.6 | 3.8 | 1.2 | 2.1 | -.7 | 5.0 | 96.9 | 4.6 |
| Hr. of Max | 16 | 16 | 16 | 18 | 20 | 00 | 00 | 04 | 00 |
| Min | -2.4 | -1.9 | -1.8 | -.5 | -1.3 | -6.5 | 3.1 | 44.8 | 3.0 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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Site: Tower "C" (1000 Area)

12/31/2013

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 | 0.003672 | 5.8 | .00 | 29.24 | -2.2 | 279 | 286 | 291 | 12 |
| 01:00 | 0.003522 | 5.6 | .00 | 29.24 | -2.6 | 258 | 270 | 285 | 9 |
| 02:00 | 0.003384 | 5.4 | .00 | 29.24 | -2.5 | 268 | 243 | 269 | 10 |
| 03:00 | 0.003345 | 5.3 | .00 | 29.27 | -3.0 | 250 | 247 | 269 | 9 |
| 04:00 | 0.00331 | 5.2 | .00 | 29.26 | -2.8 | 255 | 242 | 252 | 8 |
| 05:00 | 0.003313 | 5.3 | .00 | 29.29 | -3.4 | 247 | 264 | 280 | 12 |
| 06:00 | 0.003152 | 5.0 | .00 | 29.31 | -3.1 | 239 | 229 | 257 | 11 |
| 07:00 | 0.003073 | 4.9 | .00 | 29.33 | -2.1 | 246 | 224 | 244 | 10 |
| 08:00 | 0.003015 | 4.8 | .00 | 29.35 | 40.5 | 253 | 221 | 249 | 13 |
| 09:00 | 0.003042 | 4.8 | .00 | 29.39 | 137.4 | 222 | 226 | 236 | 14 |
| 10:00 | 0.00281 | 4.5 | .00 | 29.41 | 263.3 | 245 | 252 | 253 | 18 |
| 11:00 | 0.002621 | 4.2 | .00 | 29.43 | 472.5 | 251 | 258 | 258 | 19 |
| 12:00 | 0.002522 | 4.0 | .00 | 29.41 | 477.0 | 237 | 250 | 251 | 25 |
| 13:00 | 0.002519 | 4.0 | .00 | 29.38 | 528.6 | 128 | 136 | 133 | 23 |
| 14:00 | 0.002381 | 3.8 | .00 | 29.35 | 445.5 | 79 | 91 | 99 | 19 |
| 15:00 | 0.002423 | 3.9 | .00 | 29.35 | 269.1 | 135 | 136 | 116 | 22 |
| 16:00 | 0.002435 | 3.9 | .00 | 29.35 | 134.0 | 146 | 148 | 134 | 18 |
| 17:00 | 0.002836 | 4.5 | .00 | 29.36 | 9.3 | 138 | 142 | 135 | 16 |
| 18:00 | 0.002955 | 4.7 | .00 | 29.36 | -2.2 | 275 | 307 | 153 | 7 |
| 19:00 | 0.003025 | 4.8 | .00 | 29.36 | -2.2 | 342 | 49 | 175 | 9 |
| 20:00 | 0.002952 | 4.7 | .00 | 29.37 | -2.6 | 277 | 247 | 254 | 15 |
| 21:00 | 0.002976 | 4.7 | .00 | 29.37 | -3.0 | 317 | 48 | 286 | 6 |
| 22:00 | 0.003012 | 4.8 | .00 | 29.36 | -2.8 | 22 | 48 | 344 | 13 |
| 23:00 | 0.003074 | 4.9 | .00 | 29.34 | -2.8 | 356 | 51 | 42 | 6 |
| Avg | 0.002974 | 4.7 | .00 | 29.34 | 114.2 | 253 | 232 | 243 | 14 |
| Max | 0.003672 | 5.8 | .00 | 29.43 | 528.6 | 356 | 307 | 344 | 25 |
| Hr. of Max | 00 | 00 | 23 | 11 | 13 | 23 | 18 | 22 | 12 |
| Min | 0.002381 | 3.8 | .00 | 29.24 | -3.4 | 22 | 48 | 42 | 6 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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# Daily Summary Report

Site: Tower "C" (1000 Area)

12/31/2013

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 | 10 | 3 | 2.3 | 3.9 | 8.5 | 7.1 | 9.6 | 12.4 |
| 01:00 | 8 | 4 | 2.2 | 3.8 | 9.0 | 4.8 | 9.6 | 16.9 |
| 02:00 | 5 | 6 | 1.6 | 3.8 | 6.6 | 9.4 | 11.4 | 23.4 |
| 03:00 | 6 | 5 | 2.1 | 4.1 | 8.3 | 5.0 | 7.3 | 13.3 |
| 04:00 | 5 | 6 | 2.7 | 5.0 | 7.8 | 5.3 | 8.5 | 14.4 |
| 05:00 | 10 | 7 | 3.6 | 5.3 | 10.4 | 7.1 | 10.5 | 25.0 |
| 06:00 | 9 | 10 | 2.7 | 4.2 | 6.8 | 5.3 | 12.8 | 22.0 |
| 07:00 | 5 | 5 | 2.4 | 5.1 | 8.6 | 6.0 | 10.3 | 15.3 |
| 08:00 | 6 | 6 | 1.6 | 3.0 | 5.7 | 4.6 | 11.4 | 19.7 |
| 09:00 | 9 | 6 | 5.2 | 7.9 | 11.7 | 13.7 | 15.6 | 19.9 |
| 10:00 | 15 | 10 | 6.5 | 8.2 | 11.4 | 17.4 | 18.3 | 22.9 |
| 11:00 | 16 | 13 | 6.0 | 6.8 | 8.1 | 16.5 | 24.7 | 24.5 |
| 12:00 | 25 | 21 | 4.2 | 4.4 | 4.9 | 13.3 | 13.7 | 14.0 |
| 13:00 | 28 | 25 | 3.3 | 3.2 | 3.5 | 9.6 | 10.1 | 9.2 |
| 14:00 | 27 | 35 | 2.7 | 2.3 | 3.6 | 7.1 | 7.8 | 6.9 |
| 15:00 | 23 | 20 | 3.2 | 3.3 | 3.7 | 8.2 | 8.7 | 8.2 |
| 16:00 | 13 | 13 | 2.4 | 2.6 | 2.9 | 9.4 | 9.2 | 11.2 |
| 17:00 | 11 | 5 | 1.3 | 1.8 | 4.3 | 4.6 | 6.0 | 6.4 |
| 18:00 | 8 | 4 | .7 | 1.0 | 1.9 | 2.3 | 2.5 | 8.5 |
| 19:00 | 6 | 3 | .8 | 1.0 | 2.3 | 2.5 | 2.5 | 3.9 |
| 20:00 | 19 | 2 | 1.1 | 1.4 | 2.8 | 2.5 | 3.6 | 4.6 |
| 21:00 | 6 | 3 | .5 | .9 | 3.6 | 2.1 | 2.3 | 6.9 |
| 22:00 | 9 | 5 | .6 | .8 | 1.6 | 2.3 | 2.7 | 3.9 |
| 23:00 | 4 | 5 | .9 | 1.1 | 1.5 | 2.5 | 3.0 | 3.7 |
| Avg | 12 | 9 | 2.5 | 3.5 | 5.8 | 7.0 | 9.3 | 13.2 |
| Max | 28 | 35 | 6.5 | 8.2 | 11.7 | 17.4 | 24.7 | 25.0 |
| Hr. of Max | 13 | 14 | 10 | 10 | 09 | 10 | 11 | 05 |
| Min | 4 | 2 | .5 | .8 | 1.5 | 2.1 | 2.3 | 3.7 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | |