Current Time: 8:01 AM

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

# Daily Summary Report

Site: Tower "C" (1000 Area)

11/16/2013

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 | 6.8 | 6.8 | 6.4 | -.1 | -.4 | 6.3 | 8.1 | 97.5 | 7.4 |
| 01:00 | 6.8 | 6.7 | 6.3 | -.1 | -.5 | 6.3 | 8.2 | 97.5 | 7.4 |
| 02:00 | 7.0 | 6.8 | 6.4 | -.1 | -.6 | 6.5 | 8.2 | 97.6 | 7.5 |
| 03:00 | 7.0 | 6.8 | 6.4 | -.1 | -.6 | 6.5 | 8.3 | 97.6 | 7.5 |
| 04:00 | 7.0 | 6.9 | 6.5 | -.1 | -.5 | 6.5 | 8.3 | 97.6 | 7.5 |
| 05:00 | 7.1 | 7.1 | 6.7 | .0 | -.4 | 6.6 | 8.3 | 97.6 | 7.5 |
| 06:00 | 7.3 | 7.3 | 6.8 | .0 | -.5 | 6.8 | 8.4 | 97.6 | 7.7 |
| 07:00 | 7.4 | 7.4 | 7.0 | -.1 | -.4 | 6.9 | 8.4 | 97.7 | 7.7 |
| 08:00 | 7.9 | 7.7 | 7.3 | -.2 | -.6 | 7.4 | 8.4 | 97.7 | 7.9 |
| 09:00 | 8.6 | 8.4 | 7.7 | -.2 | -.9 | 8.1 | 8.6 | 97.7 | 8.3 |
| 10:00 | 9.3 | 9.0 | 8.3 | -.2 | -1.0 | 8.7 | 8.7 | 97.5 | 8.7 |
| 11:00 | 10.0 | 9.7 | 9.0 | -.3 | -1.0 | 9.2 | 9.0 | 96.2 | 8.9 |
| 12:00 | 11.7 | 11.3 | 10.7 | -.4 | -1.0 | 9.2 | 9.3 | 86.2 | 8.9 |
| 13:00 | 13.3 | 13.1 | 12.6 | -.3 | -.7 | 9.9 | 10.0 | 80.9 | 9.3 |
| 14:00 | 13.7 | 13.4 | 12.9 | -.3 | -.8 | 10.3 | 10.6 | 81.2 | 9.5 |
| 15:00 | 14.3 | 14.0 | 13.2 | -.3 | -1.1 | 10.4 | 11.1 | 78.7 | 9.5 |
| 16:00 | 14.5 | 14.3 | 13.3 | -.2 | -1.2 | 10.8 | 11.4 | 79.9 | 9.8 |
| 17:00 | 12.9 | 13.4 | 12.3 | .5 | -.6 | 11.5 | 11.5 | 92.3 | 10.3 |
| 18:00 | 11.7 | 12.3 | 11.9 | .6 | .2 | 11.1 | 11.3 | 97.3 | 10.1 |
| 19:00 | 10.9 | 11.3 | 11.1 | .4 | .2 | 10.3 | 11.0 | 97.5 | 9.6 |
| 20:00 | 10.2 | 10.9 | 10.7 | .7 | .5 | 9.7 | 10.8 | 97.6 | 9.2 |
| 21:00 | 10.2 | 10.5 | 10.6 | .4 | .4 | 9.6 | 10.5 | 97.7 | 9.2 |
| 22:00 | 10.2 | 10.8 | 10.9 | .6 | .7 | 9.6 | 10.4 | 97.7 | 9.2 |
| 23:00 | 11.0 | 11.7 | 11.5 | .6 | .5 | 10.5 | 10.3 | 97.8 | 9.7 |
| Avg | 9.9 | 9.9 | 9.4 | .0 | -.4 | 8.7 | 9.5 | 93.9 | 8.7 |
| Max | 14.5 | 14.3 | 13.3 | .7 | .7 | 11.5 | 11.5 | 97.8 | 10.3 |
| Hr. of Max | 16 | 16 | 16 | 20 | 22 | 17 | 17 | 23 | 17 |
| Min | 6.8 | 6.7 | 6.3 | -.4 | -1.2 | 6.3 | 8.1 | 78.7 | 7.4 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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11/16/2013

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 | 0.006072 | 9.6 | .00 | 29.21 | -2.3 | 235 | 269 | 38 | 7 |
| 01:00 | 0.006083 | 9.6 | .00 | 29.20 | -2.5 | 246 | 242 | 87 | 7 |
| 02:00 | 0.006136 | 9.7 | .00 | 29.20 | -2.2 | 271 | 294 | 51 | 4 |
| 03:00 | 0.006138 | 9.7 | .00 | 29.20 | -1.8 | 314 | 332 | 29 | 11 |
| 04:00 | 0.006164 | 9.7 | .00 | 29.19 | -2.9 | 328 | 2 | 42 | 14 |
| 05:00 | 0.006205 | 9.8 | .00 | 29.19 | -2.1 | 241 | 358 | 38 | 6 |
| 06:00 | 0.006306 | 9.9 | .00 | 29.20 | -2.4 | 241 | 253 | 159 | 10 |
| 07:00 | 0.006338 | 10.0 | .00 | 29.22 | 2.1 | 225 | 263 | 17 | 7 |
| 08:00 | 0.006537 | 10.3 | .00 | 29.22 | 37.5 | 69 | 47 | 51 | 15 |
| 09:00 | 0.006866 | 10.8 | .00 | 29.23 | 53.2 | 255 | 329 | 45 | 17 |
| 10:00 | 0.007173 | 11.3 | .00 | 29.24 | 83.2 | 39 | 43 | 58 | 22 |
| 11:00 | 0.007419 | 11.7 | .00 | 29.24 | 184.5 | 14 | 18 | 42 | 22 |
| 12:00 | 0.007446 | 11.7 | .00 | 29.20 | 395.5 | 91 | 78 | 35 | 26 |
| 13:00 | 0.007812 | 12.3 | .00 | 29.18 | 257.4 | 274 | 301 | 307 | 25 |
| 14:00 | 0.008036 | 12.6 | .00 | 29.16 | 247.9 | 318 | 338 | 346 | 26 |
| 15:00 | 0.008085 | 12.7 | .00 | 29.15 | 226.1 | 319 | 336 | 334 | 18 |
| 16:00 | 0.008304 | 13.0 | .00 | 29.14 | 94.7 | 304 | 301 | 299 | 14 |
| 17:00 | 0.008694 | 13.6 | .00 | 29.14 | 6.9 | 282 | 300 | 324 | 9 |
| 18:00 | 0.008457 | 13.2 | .00 | 29.15 | -2.0 | 232 | 243 | 283 | 7 |
| 19:00 | 0.008005 | 12.5 | .00 | 29.15 | -1.9 | 248 | 231 | 274 | 9 |
| 20:00 | 0.00767 | 12.0 | .00 | 29.15 | -2.0 | 243 | 243 | 271 | 6 |
| 21:00 | 0.007656 | 12.0 | .00 | 29.14 | -2.3 | 294 | 180 | 260 | 10 |
| 22:00 | 0.007662 | 12.0 | .00 | 29.14 | -1.9 | 279 | 234 | 259 | 10 |
| 23:00 | 0.008128 | 12.7 | .00 | 29.14 | -2.0 | 239 | 227 | 248 | 15 |
| Avg | 0.007225 | 11.4 | .00 | 29.18 | 65.0 | 277 | 297 | 358 | 13 |
| Max | 0.008694 | 13.6 | .00 | 29.24 | 395.5 | 328 | 358 | 346 | 26 |
| Hr. of Max | 17 | 17 | 23 | 11 | 12 | 04 | 05 | 14 | 14 |
| Min | 0.006072 | 9.6 | .00 | 29.14 | -2.9 | 14 | 2 | 17 | 4 |
| 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 | 13 | 16 | 1.2 | 1.2 | 1.3 | 2.7 | 2.5 | 3.4 |
| 01:00 | 5 | 8 | 1.2 | 1.3 | 1.3 | 2.5 | 2.5 | 2.7 |
| 02:00 | 8 | 8 | .6 | .8 | 1.2 | 2.7 | 3.0 | 3.7 |
| 03:00 | 16 | 8 | .6 | .8 | 1.8 | 3.2 | 5.0 | 3.7 |
| 04:00 | 22 | 3 | .7 | 1.5 | 3.7 | 2.5 | 4.4 | 5.7 |
| 05:00 | 11 | 3 | .6 | 1.0 | 2.2 | 3.7 | 3.7 | 3.9 |
| 06:00 | 7 | 10 | 1.3 | 1.4 | 1.6 | 2.7 | 2.7 | 7.1 |
| 07:00 | 8 | 9 | .9 | 1.1 | 1.3 | 2.3 | 3.0 | 3.0 |
| 08:00 | 18 | 4 | .3 | .7 | 1.8 | 2.3 | 2.7 | 3.9 |
| 09:00 | 24 | 9 | .4 | .7 | 1.3 | 2.5 | 2.7 | 3.9 |
| 10:00 | 22 | 9 | .7 | .7 | 1.2 | 2.5 | 3.9 | 5.5 |
| 11:00 | 28 | 17 | .9 | 1.0 | 1.2 | 4.1 | 3.4 | 3.9 |
| 12:00 | 29 | 23 | 1.6 | 1.7 | 1.8 | 5.5 | 4.6 | 4.6 |
| 13:00 | 25 | 20 | 2.2 | 2.3 | 2.5 | 7.8 | 5.7 | 6.6 |
| 14:00 | 25 | 22 | 2.2 | 2.6 | 2.3 | 7.1 | 6.2 | 7.1 |
| 15:00 | 24 | 19 | 2.9 | 2.8 | 2.9 | 8.2 | 8.5 | 7.8 |
| 16:00 | 14 | 15 | 1.6 | 1.8 | 2.3 | 5.7 | 6.9 | 7.1 |
| 17:00 | 15 | 4 | 1.6 | 2.3 | 4.9 | 3.2 | 4.6 | 7.3 |
| 18:00 | 6 | 3 | 2.5 | 3.5 | 5.9 | 4.8 | 6.6 | 11.4 |
| 19:00 | 3 | 4 | 2.1 | 3.7 | 5.2 | 7.3 | 9.6 | 12.4 |
| 20:00 | 5 | 3 | 2.1 | 3.9 | 7.0 | 7.1 | 9.2 | 13.7 |
| 21:00 | 12 | 6 | 1.1 | 1.3 | 6.3 | 3.9 | 8.0 | 20.8 |
| 22:00 | 10 | 6 | .8 | 1.6 | 7.3 | 3.2 | 3.4 | 13.1 |
| 23:00 | 8 | 7 | .8 | 3.2 | 9.3 | 2.7 | 6.9 | 18.1 |
| Avg | 15 | 10 | 1.3 | 1.8 | 3.2 | 4.2 | 5.0 | 7.5 |
| Max | 29 | 23 | 2.9 | 3.9 | 9.3 | 8.2 | 9.6 | 20.8 |
| Hr. of Max | 12 | 12 | 15 | 20 | 23 | 15 | 19 | 21 |
| Min | 3 | 3 | .3 | .7 | 1.2 | 2.3 | 2.5 | 2.7 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | |