Current Time: 8:24 AM

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

# Daily Summary Report

Site: Tower "C" (1000 Area)

2/2/2014

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 | 4.2 | 6.0 | 7.8 | 1.7 | 3.5 | 3.7 | 2.2 | 97.3 | 6.2 |
| 01:00 | 3.4 | 5.2 | 7.4 | 1.7 | 3.0 | 2.9 | 2.1 | 97.3 | 5.9 |
| 02:00 | 2.9 | 4.6 | 7.0 | 1.8 | 4.1 | 2.4 | 2.0 | 97.4 | 5.7 |
| 03:00 | 2.4 | 4.2 | 6.7 | 1.7 | 4.3 | 2.0 | 1.9 | 97.4 | 5.5 |
| 04:00 | 2.1 | 3.9 | 6.7 | 1.7 | 4.6 | 1.7 | 1.8 | 97.4 | 5.4 |
| 05:00 | 1.7 | 3.5 | 6.6 | 1.8 | 4.9 | 1.2 | 1.8 | 97.4 | 5.3 |
| 06:00 | 1.5 | 3.2 | 6.4 | 1.7 | 5.0 | 1.0 | 1.7 | 97.4 | 5.2 |
| 07:00 | 2.1 | 4.1 | 5.8 | 2.0 | 3.7 | 1.6 | 1.7 | 97.4 | 5.4 |
| 08:00 | 3.1 | 4.9 | 5.4 | 1.8 | 2.3 | 2.6 | 1.7 | 97.5 | 5.8 |
| 09:00 | 5.1 | 6.7 | 6.5 | 1.6 | 1.4 | 4.6 | 1.6 | 97.6 | 6.6 |
| 10:00 | 7.0 | 7.3 | 7.1 | .4 | .1 | 6.5 | 1.7 | 97.7 | 7.5 |
| 11:00 | 7.4 | 7.3 | 7.2 | -.1 | -.2 | 7.0 | 1.8 | 97.8 | 7.7 |
| 12:00 | 7.9 | 7.7 | 7.5 | -.1 | -.4 | 7.4 | 2.0 | 97.8 | 7.9 |
| 13:00 | 8.6 | 8.4 | 7.8 | -.2 | -.8 | 8.1 | 2.2 | 97.8 | 8.3 |
| 14:00 | 8.9 | 8.6 | 8.3 | -.2 | -.6 | 8.4 | 2.5 | 97.7 | 8.5 |
| 15:00 | 9.1 | 8.9 | 8.4 | -.2 | -.7 | 8.6 | 2.8 | 97.7 | 8.6 |
| 16:00 | 9.3 | 9.1 | 8.8 | -.2 | -.5 | 8.7 | 3.1 | 97.7 | 8.7 |
| 17:00 | 9.4 | 9.3 | 9.0 | .0 | -.4 | 8.8 | 3.3 | 97.7 | 8.7 |
| 18:00 | 9.3 | 9.3 | 9.2 | .0 | -.1 | 8.8 | 3.4 | 97.8 | 8.7 |
| 19:00 | 9.4 | 9.4 | 9.1 | .0 | -.3 | 8.9 | 3.6 | 97.8 | 8.8 |
| 20:00 | 9.4 | 9.2 | 9.0 | -.1 | -.4 | 8.9 | 3.8 | 97.9 | 8.7 |
| 21:00 | 8.1 | 8.0 | 7.6 | -.1 | -.5 | 7.6 | 4.1 | 97.8 | 8.0 |
| 22:00 | 6.3 | 6.2 | 5.8 | -.2 | -.5 | 5.9 | 4.2 | 97.7 | 7.2 |
| 23:00 | 5.5 | 5.4 | 5.1 | -.1 | -.4 | 5.1 | 4.3 | 97.7 | 6.8 |
| Avg | 6.0 | 6.7 | 7.3 | .7 | 1.3 | 5.5 | 2.6 | 97.6 | 7.1 |
| Max | 9.4 | 9.4 | 9.2 | 2.0 | 5.0 | 8.9 | 4.3 | 97.9 | 8.8 |
| Hr. of Max | 20 | 19 | 18 | 07 | 06 | 20 | 23 | 20 | 19 |
| Min | 1.5 | 3.2 | 5.1 | -.2 | -.8 | 1.0 | 1.6 | 97.3 | 5.2 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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# Daily Summary Report

Site: Tower "C" (1000 Area)

2/2/2014

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 | 0.005084 | 8.0 | .00 | 29.10 | -2.4 | 28 | 54 | 263 | 10 |
| 01:00 | 0.004803 | 7.6 | .00 | 29.09 | -2.5 | 47 | 65 | 288 | 12 |
| 02:00 | 0.004618 | 7.3 | .00 | 29.09 | -2.7 | 277 | 13 | 273 | 5 |
| 03:00 | 0.004476 | 7.0 | .00 | 29.08 | -2.7 | 60 | 232 | 237 | 6 |
| 04:00 | 0.004386 | 6.9 | .00 | 29.07 | -3.3 | 84 | 51 | 251 | 7 |
| 05:00 | 0.004246 | 6.7 | .00 | 29.07 | -2.8 | 243 | 240 | 257 | 11 |
| 06:00 | 0.004177 | 6.6 | .00 | 29.08 | -2.6 | 246 | 227 | 259 | 12 |
| 07:00 | 0.004377 | 6.9 | .00 | 29.09 | .9 | 279 | 239 | 259 | 16 |
| 08:00 | 0.004702 | 7.4 | .00 | 29.10 | 20.7 | 293 | 231 | 249 | 14 |
| 09:00 | 0.005413 | 8.5 | .00 | 29.12 | 36.2 | 204 | 254 | 229 | 16 |
| 10:00 | 0.00616 | 9.7 | .00 | 29.13 | 25.2 | 269 | 282 | 248 | 18 |
| 11:00 | 0.006368 | 10.0 | .00 | 29.13 | 56.5 | 133 | 176 | 280 | 17 |
| 12:00 | 0.006562 | 10.3 | .02 | 29.11 | 79.8 | 232 | 240 | 230 | 13 |
| 13:00 | 0.006911 | 10.8 | .00 | 29.08 | 79.7 | 319 | 332 | 283 | 17 |
| 14:00 | 0.007031 | 11.0 | .00 | 29.06 | 83.2 | 8 | 6 | 335 | 16 |
| 15:00 | 0.007164 | 11.2 | .00 | 29.05 | 37.0 | 9 | 10 | 16 | 20 |
| 16:00 | 0.007228 | 11.3 | .01 | 29.05 | 16.8 | 32 | 8 | 346 | 23 |
| 17:00 | 0.007284 | 11.4 | .00 | 29.03 | 3.1 | 69 | 61 | 26 | 12 |
| 18:00 | 0.007268 | 11.4 | .05 | 29.02 | -2.0 | 52 | 53 | 45 | 13 |
| 19:00 | 0.00732 | 11.4 | .32 | 29.00 | -2.3 | 68 | 66 | 48 | 21 |
| 20:00 | 0.007298 | 11.4 | .26 | 29.00 | -1.5 | 71 | 66 | 55 | 28 |
| 21:00 | 0.006681 | 10.4 | .11 | 29.01 | -2.3 | 56 | 48 | 42 | 28 |
| 22:00 | 0.005929 | 9.3 | .11 | 29.00 | -2.2 | 59 | 64 | 53 | 28 |
| 23:00 | 0.005604 | 8.8 | .16 | 28.99 | -2.2 | 53 | 56 | 41 | 19 |
| Avg | 0.005879 | 9.2 | .04 | 29.06 | 17.0 | 25 | 19 | 300 | 16 |
| Max | 0.00732 | 11.4 | .32 | 29.13 | 83.2 | 319 | 332 | 346 | 28 |
| Hr. of Max | 19 | 20 | 19 | 11 | 14 | 13 | 13 | 16 | 22 |
| Min | 0.004177 | 6.6 | .00 | 28.99 | -3.3 | 8 | 6 | 16 | 5 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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# Daily Summary Report

Site: Tower "C" (1000 Area)

2/2/2014

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 | 11 | 7 | .8 | .9 | 3.9 | 5.0 | 4.1 | 8.5 |
| 01:00 | 14 | 5 | .4 | .9 | 6.1 | 1.6 | 5.3 | 9.2 |
| 02:00 | 9 | 4 | .2 | .7 | 6.4 | 1.6 | 2.2 | 11.0 |
| 03:00 | 9 | 2 | .4 | .9 | 6.8 | 2.7 | 2.7 | 16.9 |
| 04:00 | 12 | 3 | .5 | 1.0 | 4.8 | 3.7 | 1.8 | 10.3 |
| 05:00 | 15 | 5 | 1.6 | 2.0 | 7.0 | 4.6 | 4.4 | 11.0 |
| 06:00 | 7 | 7 | .7 | 1.4 | 6.6 | 3.2 | 4.8 | 18.8 |
| 07:00 | 13 | 6 | 1.3 | 1.8 | 6.3 | 5.7 | 7.8 | 11.0 |
| 08:00 | 11 | 5 | .8 | 1.4 | 7.1 | 2.1 | 3.2 | 11.0 |
| 09:00 | 8 | 5 | .8 | 3.4 | 9.3 | 4.6 | 7.1 | 18.1 |
| 10:00 | 12 | 6 | 1.4 | 3.4 | 7.3 | 6.0 | 8.0 | 14.2 |
| 11:00 | 23 | 9 | .8 | 1.3 | 4.0 | 2.7 | 4.4 | 16.3 |
| 12:00 | 13 | 17 | 1.3 | 1.6 | 3.5 | 3.0 | 3.9 | 6.2 |
| 13:00 | 19 | 15 | 1.0 | 1.4 | 2.5 | 5.3 | 5.5 | 7.1 |
| 14:00 | 26 | 16 | 2.0 | 2.7 | 3.2 | 7.3 | 7.3 | 5.5 |
| 15:00 | 23 | 10 | 1.5 | 2.3 | 3.9 | 5.3 | 7.6 | 8.2 |
| 16:00 | 26 | 13 | 1.2 | 2.0 | 6.2 | 3.9 | 5.5 | 9.2 |
| 17:00 | 10 | 14 | 1.3 | 2.4 | 5.4 | 3.9 | 5.0 | 14.0 |
| 18:00 | 11 | 8 | 1.1 | 2.6 | 5.2 | 4.4 | 7.8 | 11.0 |
| 19:00 | 12 | 5 | 2.3 | 4.2 | 7.8 | 8.7 | 10.5 | 14.9 |
| 20:00 | 22 | 10 | 2.9 | 4.7 | 7.3 | 14.9 | 14.7 | 16.9 |
| 21:00 | 18 | 9 | 3.0 | 4.9 | 7.9 | 11.4 | 13.5 | 14.7 |
| 22:00 | 16 | 7 | 3.4 | 5.4 | 7.5 | 12.4 | 17.2 | 19.0 |
| 23:00 | 14 | 7 | 2.0 | 3.5 | 5.7 | 6.4 | 7.6 | 10.8 |
| Avg | 15 | 8 | 1.4 | 2.4 | 5.9 | 5.4 | 6.7 | 12.2 |
| Max | 26 | 17 | 3.4 | 5.4 | 9.3 | 14.9 | 17.2 | 19.0 |
| Hr. of Max | 16 | 12 | 22 | 22 | 09 | 20 | 22 | 22 |
| Min | 7 | 2 | .2 | .7 | 2.5 | 1.6 | 1.8 | 5.5 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | |