Current Time: 6:20 AM

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

# Daily Summary Report

Site: Tower "C" (1000 Area)

11/11/2013

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 | 7.3 | 8.1 | 8.4 | .8 | 1.2 | -3.4 | 9.8 | 47.1 | 3.7 |
| 01:00 | 5.8 | 7.3 | 7.0 | 1.5 | 1.2 | -2.6 | 9.4 | 55.6 | 4.0 |
| 02:00 | 5.2 | 6.7 | 6.4 | 1.5 | 1.2 | -1.7 | 9.1 | 61.6 | 4.2 |
| 03:00 | 3.7 | 5.3 | 5.8 | 1.6 | 2.2 | -2.0 | 8.8 | 67.3 | 4.2 |
| 04:00 | 2.6 | 3.9 | 5.7 | 1.3 | 3.1 | -1.3 | 8.5 | 75.9 | 4.4 |
| 05:00 | 1.8 | 3.0 | 4.6 | 1.2 | 2.8 | -1.0 | 8.3 | 82.0 | 4.5 |
| 06:00 | 1.6 | 2.4 | 3.6 | .8 | 2.0 | -1.0 | 8.0 | 83.9 | 4.5 |
| 07:00 | 1.1 | 2.0 | 2.7 | .9 | 1.6 | -1.6 | 7.8 | 82.8 | 4.3 |
| 08:00 | 3.2 | 3.1 | 3.0 | -.1 | -.2 | -1.5 | 7.6 | 71.8 | 4.3 |
| 09:00 | 7.0 | 6.5 | 5.3 | -.4 | -1.7 | -.6 | 7.7 | 59.6 | 4.6 |
| 10:00 | 9.9 | 9.5 | 8.7 | -.4 | -1.2 | -3.4 | 8.2 | 39.8 | 3.7 |
| 11:00 | 11.9 | 11.4 | 10.7 | -.5 | -1.2 | -3.4 | 8.8 | 34.9 | 3.7 |
| 12:00 | 13.9 | 13.6 | 12.7 | -.3 | -1.2 | -3.4 | 9.6 | 30.5 | 3.7 |
| 13:00 | 15.6 | 15.4 | 14.3 | -.2 | -1.3 | -3.5 | 10.4 | 27.4 | 3.6 |
| 14:00 | 16.4 | 16.0 | 15.0 | -.3 | -1.4 | -4.6 | 11.1 | 24.0 | 3.3 |
| 15:00 | 16.9 | 16.7 | 15.8 | -.3 | -1.1 | -3.8 | 11.6 | 24.5 | 3.5 |
| 16:00 | 17.1 | 17.0 | 16.1 | .0 | -1.0 | -3.9 | 11.8 | 24.1 | 3.5 |
| 17:00 | 15.1 | 15.9 | 15.8 | .8 | .7 | -3.0 | 11.9 | 29.4 | 3.8 |
| 18:00 | 12.0 | 13.5 | 14.4 | 1.5 | 2.4 | -2.2 | 11.6 | 37.8 | 4.0 |
| 19:00 | 9.9 | 11.2 | 13.6 | 1.3 | 3.7 | -.8 | 11.2 | 48.2 | 4.5 |
| 20:00 | 9.0 | 10.2 | 12.8 | 1.2 | 3.8 + | -1.4 | 10.8 | 48.6 | 4.3 |
| 21:00 | 9.1 | 10.2 | 11.9 | 1.2 | 2.8 + | -1.2 | 10.6 | 49.0 | 4.3 |
| 22:00 | 8.9 | 9.8 | 11.7 | .9 | 2.8 | -.4 | 10.5 | 52.9 | 4.6 |
| 23:00 | 9.0 | 9.9 | 11.1 | .9 | 2.1 | .4 | 10.4 | 55.3 | 4.9 |
| Avg | 8.9 | 9.5 | 9.9 | .6 | 1.0 | -2.1 | 9.7 | 50.6 | 4.1 |
| Max | 17.1 | 17.0 | 16.1 | 1.6 | 3.8 | .4 | 11.9 | 83.9 | 4.9 |
| Hr. of Max | 16 | 16 | 16 | 03 | 20 | 23 | 17 | 06 | 23 |
| Min | 1.1 | 2.0 | 2.7 | -.5 | -1.7 | -4.6 | 7.6 | 24.0 | 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)

11/11/2013

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 | 0.003016 | 4.8 | .00 | 29.31 | -2.3 | 35 | 60 | 70 | 15 |
| 01:00 | 0.003208 | 5.1 | .00 | 29.31 | -2.4 | 63 | 49 | 48 | 9 |
| 02:00 | 0.00341 | 5.4 | .00 | 29.30 | -2.4 | 67 | 59 | 35 | 14 |
| 03:00 | 0.003352 | 5.3 | .00 | 29.30 | -2.5 | 28 | 50 | 36 | 14 |
| 04:00 | 0.003515 | 5.6 | .00 | 29.30 | -2.4 | 32 | 51 | 56 | 13 |
| 05:00 | 0.003584 | 5.7 | .00 | 29.30 | -2.4 | 23 | 57 | 50 | 13 |
| 06:00 | 0.003598 | 5.7 | .00 | 29.30 | -2.4 | 23 | 60 | 36 | 8 |
| 07:00 | 0.003425 | 5.4 | .00 | 29.31 | 16.5 | 35 | 60 | 46 | 9 |
| 08:00 | 0.003458 | 5.5 | .00 | 29.33 | 126.8 | 138 | 97 | 62 | 14 |
| 09:00 | 0.003714 | 5.9 | .00 | 29.33 | 366.4 | 106 | 86 | 68 | 16 |
| 10:00 | 0.003034 | 4.8 | .00 | 29.33 | 517.7 | 78 | 71 | 64 | 20 |
| 11:00 | 0.003044 | 4.8 | .00 | 29.30 | 598.9 | 91 | 96 | 122 | 18 |
| 12:00 | 0.003056 | 4.8 | .00 | 29.27 | 633.2 | 167 | 179 | 193 | 17 |
| 13:00 | 0.00305 | 4.8 | .00 | 29.24 | 592.3 | 233 | 241 | 229 | 27 |
| 14:00 | 0.002811 | 4.5 | .00 | 29.22 | 425.7 | 208 | 212 | 213 | 15 |
| 15:00 | 0.002981 | 4.7 | .00 | 29.21 | 329.1 | 233 | 234 | 223 | 17 |
| 16:00 | 0.002955 | 4.7 | .00 | 29.20 | 148.7 | 241 | 239 | 230 | 11 |
| 17:00 | 0.003165 | 5.0 | .00 | 29.19 | 11.9 | 286 | 242 | 220 | 6 |
| 18:00 | 0.00334 | 5.3 | .00 | 29.19 | -1.5 | 319 | 51 | 223 | 4 |
| 19:00 | 0.003689 | 5.8 | .00 | 29.19 | -1.8 | 16 | 17 | 270 | 2 |
| 20:00 | 0.003515 | 5.6 | .00 | 29.19 | -2.0 | 80 | 259 | 248 | 9 |
| 21:00 | 0.003559 | 5.6 | .00 | 29.19 | -2.2 | 221 | 239 | 243 | 13 |
| 22:00 | 0.003794 | 6.0 | .00 | 29.20 | -1.1 | 246 | 248 | 248 | 6 |
| 23:00 | 0.004001 | 6.3 | .00 | 29.20 | -1.7 | 297 | 244 | 241 | 5 |
| Avg | 0.003345 | 5.3 | .00 | 29.26 | 155.8 | 42 | 78 | 157 | 12 |
| Max | 0.004001 | 6.3 | .00 | 29.33 | 633.2 | 319 | 259 | 270 | 27 |
| Hr. of Max | 23 | 23 | 23 | 10 | 12 | 18 | 20 | 19 | 13 |
| Min | 0.002811 | 4.5 | .00 | 29.19 | -2.5 | 16 | 17 | 35 | 2 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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# Daily Summary Report

Site: Tower "C" (1000 Area)

11/11/2013

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 | 9 | 7 | 1.2 | 3.5 | 7.2 | 4.4 | 6.9 | 14.9 |
| 01:00 | 8 | 3 | 1.5 | 4.2 | 10.7 | 3.4 | 7.6 | 15.6 |
| 02:00 | 9 | 5 | 1.7 | 3.8 | 10.3 | 4.6 | 9.4 | 21.8 |
| 03:00 | 7 | 4 | .7 | 2.7 | 6.9 | 2.7 | 11.0 | 13.7 |
| 04:00 | 6 | 3 | .8 | 2.0 | 5.7 | 2.5 | 6.9 | 18.3 |
| 05:00 | 5 | 2 | .4 | 1.7 | 7.3 | 1.6 | 4.6 | 10.8 |
| 06:00 | 7 | 2 | .4 | 1.7 | 7.5 | 1.8 | 5.3 | 14.9 |
| 07:00 | 5 | 2 | 1.0 | 1.4 | 5.8 | 2.5 | 3.4 | 14.4 |
| 08:00 | 13 | 3 | 1.0 | 1.4 | 3.7 | 2.5 | 2.5 | 13.7 |
| 09:00 | 18 | 9 | 3.0 | 3.1 | 4.3 | 9.4 | 8.7 | 10.1 |
| 10:00 | 16 | 12 | 5.0 | 4.7 | 4.6 | 16.7 | 11.2 | 11.2 |
| 11:00 | 25 | 28 | 2.7 | 2.3 | 2.3 | 10.8 | 8.5 | 7.6 |
| 12:00 | 21 | 19 | 3.7 | 3.8 | 4.0 | 10.1 | 11.0 | 9.2 |
| 13:00 | 27 | 25 | 3.7 | 4.1 | 5.2 | 10.8 | 11.7 | 12.1 |
| 14:00 | 13 | 9 | 5.4 | 6.1 | 6.8 | 12.4 | 12.1 | 14.4 |
| 15:00 | 12 | 11 | 4.2 | 5.0 | 6.0 | 10.3 | 11.7 | 17.4 |
| 16:00 | 11 | 8 | 2.9 | 3.9 | 5.3 | 8.0 | 8.0 | 8.9 |
| 17:00 | 9 | 3 | 1.2 | 2.1 | 5.7 | 4.4 | 6.4 | 12.1 |
| 18:00 | 3 | 2 | .2 | .6 | 4.7 | .9 | 1.8 | 10.3 |
| 19:00 | 7 | 1 | .2 | .6 | 4.2 | 1.6 | 1.8 | 12.1 |
| 20:00 | 5 | 1 | .2 | .6 | 4.3 | 1.4 | 1.8 | 10.1 |
| 21:00 | 6 | 1 | .7 | 1.4 | 4.9 | 3.4 | 4.4 | 7.1 |
| 22:00 | 11 | 2 | 1.5 | 1.8 | 6.9 | 2.7 | 3.2 | 14.2 |
| 23:00 | 9 | 2 | .6 | 1.0 | 6.5 | 3.0 | 2.3 | 13.3 |
| Avg | 11 | 7 | 1.8 | 2.6 | 5.9 | 5.5 | 6.8 | 12.8 |
| Max | 27 | 28 | 5.4 | 6.1 | 10.7 | 16.7 | 12.1 | 21.8 |
| Hr. of Max | 13 | 11 | 14 | 14 | 01 | 10 | 14 | 02 |
| Min | 3 | 1 | .2 | .6 | 2.3 | .9 | 1.8 | 7.1 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | |