Current Time: 6:42 AM

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

# Daily Summary Report

Site: Tower "C" (1000 Area)

11/6/2013

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 | 8.9 | 9.4 | 12.2 | .5 | 3.3 | 6.0 | 12.5 | 82.9 | 7.2 |
| 01:00 | 8.7 | 9.4 | 11.1 | .7 | 2.3 | 5.7 | 12.3 | 82.1 | 7.1 |
| 02:00 | 9.5 | 10.0 | 11.1 | .5 | 1.7 | 6.2 | 12.1 | 80.7 | 7.3 |
| 03:00 | 10.0 | 10.3 | 10.8 | .3 | .8 | 6.4 | 12.1 | 79.2 | 7.4 |
| 04:00 | 10.1 | 10.2 | 10.8 | .1 | .7 | 6.2 | 12.1 | 77.7 | 7.3 |
| 05:00 | 10.3 | 10.2 | 10.4 | .0 | .1 | 6.1 | 12.1 | 76.1 | 7.2 |
| 06:00 | 10.3 | 10.2 | 10.3 | -.1 | .0 | 6.0 | 12.1 | 75.7 | 7.2 |
| 07:00 | 10.3 | 10.2 | 10.3 | -.1 | .0 | 5.8 | 12.1 | 74.6 | 7.1 |
| 08:00 | 11.6 | 11.3 | 10.6 | -.3 | -1.0 | 5.4 | 12.1 | 66.9 | 6.9 |
| 09:00 | 13.2 | 13.0 | 11.9 | -.2 | -1.3 | 4.6 | 12.3 | 56.4 | 6.4 |
| 10:00 | 14.4 | 14.2 | 13.1 | -.2 | -1.3 | 5.2 | 12.6 | 54.8 | 6.7 |
| 11:00 | 16.3 | 16.2 | 15.0 | -.1 | -1.3 | 7.2 | 13.1 | 55.5 | 7.7 |
| 12:00 | 18.5 | 18.4 | 17.2 | -.1 | -1.3 | 8.6 | 13.7 | 53.2 | 8.4 |
| 13:00 | 19.7 | 19.5 | 18.3 | -.2 | -1.4 | 9.6 | 14.4 | 53.1 | 8.9 |
| 14:00 | 20.8 | 20.6 | 19.6 | -.2 | -1.2 | 10.4 | 15.2 | 52.1 | 9.4 |
| 15:00 | 21.7 | 21.5 | 20.4 | -.2 | -1.3 | 10.9 | 15.7 | 51.2 | 9.7 |
| 16:00 | 21.0 | 20.9 | 20.1 | -.1 | -.9 | 11.8 | 15.9 | 56.7 | 10.3 |
| 17:00 | 20.2 | 20.4 | 19.7 | .1 | -.5 | 12.5 | 15.9 | 62.4 | 10.8 |
| 18:00 | 19.9 | 20.1 | 19.8 | .3 | -.1 | 12.7 | 15.8 | 64.7 | 10.9 |
| 19:00 | 19.8 | 19.8 | 19.8 | .0 | .0 | 12.1 | 15.6 | 62.2 | 10.5 |
| 20:00 | 19.4 | 19.3 | 19.2 | -.1 | -.2 | 11.8 | 15.5 | 62.7 | 10.3 |
| 21:00 | 18.9 | 18.8 | 18.7 | -.1 | -.2 | 11.8 | 15.4 | 64.5 | 10.3 |
| 22:00 | 18.5 | 18.4 | 18.1 | -.1 | -.4 | 11.8 | 15.2 | 66.2 | 10.3 |
| 23:00 | 17.4 | 17.3 | 17.0 | -.1 | -.4 | 12.8 | 15.2 | 76.2 | 11.1 |
| Avg | 15.4 | 15.4 | 15.2 | .0 | -.2 | 8.7 | 13.8 | 66.2 | 8.6 |
| Max | 21.7 | 21.5 | 20.4 | .7 | 3.3 | 12.8 | 15.9 | 82.9 | 11.1 |
| Hr. of Max | 15 | 15 | 15 | 01 | 00 | 23 | 17 | 00 | 23 |
| Min | 8.7 | 9.4 | 10.3 | -.3 | -1.4 | 4.6 | 12.1 | 51.2 | 6.4 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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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 | 0.00591 | 9.3 | .00 | 29.32 | -2.1 | 66 | 64 | 53 | 11 |
| 01:00 | 0.005807 | 9.2 | .00 | 29.31 | -2.1 | 73 | 54 | 71 | 12 |
| 02:00 | 0.00603 | 9.5 | .00 | 29.30 | -2.2 | 73 | 52 | 74 | 9 |
| 03:00 | 0.006118 | 9.7 | .00 | 29.29 | -2.2 | 64 | 58 | 59 | 13 |
| 04:00 | 0.006038 | 9.5 | .00 | 29.28 | -2.0 | 54 | 54 | 63 | 9 |
| 05:00 | 0.005982 | 9.4 | .00 | 29.28 | -2.1 | 40 | 51 | 65 | 19 |
| 06:00 | 0.005956 | 9.4 | .00 | 29.27 | -2.0 | 55 | 53 | 58 | 17 |
| 07:00 | 0.005877 | 9.3 | .00 | 29.27 | 24.7 | 53 | 81 | 72 | 19 |
| 08:00 | 0.00573 | 9.0 | .00 | 29.27 | 152.0 | 54 | 50 | 61 | 31 |
| 09:00 | 0.005389 | 8.5 | .00 | 29.28 | 192.6 | 216 | 177 | 329 | 16 |
| 10:00 | 0.005657 | 8.9 | .00 | 29.27 | 279.9 | 229 | 240 | 237 | 20 |
| 11:00 | 0.006496 | 10.2 | .00 | 29.26 | 423.4 | 240 | 239 | 218 | 18 |
| 12:00 | 0.007149 | 11.2 | .00 | 29.23 | 444.6 | 244 | 248 | 231 | 19 |
| 13:00 | 0.00767 | 12.0 | .00 | 29.20 | 565.9 | 265 | 267 | 259 | 18 |
| 14:00 | 0.008096 | 12.7 | .00 | 29.18 | 431.5 | 242 | 246 | 236 | 19 |
| 15:00 | 0.008405 | 13.2 | .00 | 29.16 | 195.8 | 208 | 212 | 207 | 21 |
| 16:00 | 0.008912 | 13.9 | .00 | 29.15 | 55.1 | 232 | 230 | 226 | 15 |
| 17:00 | 0.009341 | 14.6 | .00 | 29.14 | 4.4 | 255 | 228 | 209 | 8 |
| 18:00 | 0.009472 | 14.8 | .00 | 29.13 | -1.5 | 232 | 215 | 196 | 12 |
| 19:00 | 0.009093 | 14.2 | .00 | 29.13 | -1.5 | 221 | 215 | 194 | 17 |
| 20:00 | 0.008902 | 13.9 | .00 | 29.12 | -1.6 | 219 | 213 | 196 | 19 |
| 21:00 | 0.008894 | 13.9 | .00 | 29.12 | -1.5 | 225 | 223 | 203 | 18 |
| 22:00 | 0.008894 | 13.9 | .00 | 29.12 | -1.2 | 243 | 233 | 213 | 14 |
| 23:00 | 0.009536 | 14.9 | .00 | 29.12 | -1.7 | 258 | 253 | 239 | 14 |
| Avg | 0.007306 | 11.5 | .00 | 29.22 | 114.4 | 229 | 216 | 188 | 16 |
| Max | 0.009536 | 14.9 | .00 | 29.32 | 565.9 | 265 | 267 | 329 | 31 |
| Hr. of Max | 23 | 23 | 23 | 00 | 13 | 13 | 13 | 09 | 08 |
| Min | 0.005389 | 8.5 | .00 | 29.12 | -2.2 | 40 | 50 | 53 | 8 |
| 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 | 6 | 1 | .7 | 2.7 | 4.8 | 3.7 | 7.6 | 7.3 |
| 01:00 | 6 | 3 | 1.3 | 2.8 | 4.1 | 3.0 | 5.3 | 6.9 |
| 02:00 | 6 | 2 | 1.3 | 3.1 | 4.9 | 3.9 | 5.5 | 13.1 |
| 03:00 | 10 | 3 | .8 | 1.8 | 2.9 | 2.5 | 4.6 | 6.6 |
| 04:00 | 6 | 3 | 1.1 | 2.4 | 4.0 | 4.1 | 6.0 | 8.0 |
| 05:00 | 8 | 4 | 1.1 | 2.8 | 4.1 | 3.2 | 6.0 | 7.8 |
| 06:00 | 10 | 5 | 1.1 | 2.8 | 3.9 | 4.8 | 6.0 | 8.0 |
| 07:00 | 11 | 7 | 1.1 | 1.7 | 4.1 | 4.6 | 5.5 | 14.9 |
| 08:00 | 25 | 14 | 1.3 | 1.9 | 2.4 | 6.4 | 7.8 | 7.6 |
| 09:00 | 22 | 14 | 1.1 | 1.3 | 1.6 | 4.6 | 5.7 | 5.7 |
| 10:00 | 16 | 21 | 2.4 | 2.6 | 2.7 | 10.1 | 9.4 | 7.6 |
| 11:00 | 16 | 15 | 3.2 | 3.8 | 4.5 | 7.8 | 8.9 | 9.6 |
| 12:00 | 20 | 14 | 3.7 | 4.1 | 4.9 | 11.2 | 14.0 | 11.9 |
| 13:00 | 18 | 14 | 5.6 | 6.3 | 7.5 | 14.2 | 14.4 | 15.8 |
| 14:00 | 18 | 13 | 5.2 | 6.4 | 7.9 | 13.3 | 14.7 | 14.7 |
| 15:00 | 18 | 13 | 5.2 | 6.5 | 8.8 | 13.7 | 15.8 | 17.2 |
| 16:00 | 13 | 6 | 3.0 | 4.5 | 7.3 | 10.3 | 11.0 | 12.1 |
| 17:00 | 7 | 4 | 1.4 | 3.2 | 7.8 | 3.2 | 7.1 | 13.5 |
| 18:00 | 10 | 6 | 2.6 | 5.1 | 9.8 | 6.6 | 11.4 | 16.7 |
| 19:00 | 14 | 8 | 4.2 | 6.6 | 11.7 | 12.4 | 14.4 | 26.3 |
| 20:00 | 17 | 10 | 4.1 | 6.3 | 11.3 | 9.8 | 14.9 | 19.2 |
| 21:00 | 16 | 9 | 4.6 | 7.0 | 12.5 | 11.7 | 17.2 | 25.4 |
| 22:00 | 12 | 9 | 2.9 | 4.8 | 8.5 | 8.9 | 12.6 | 31.6 |
| 23:00 | 11 | 5 | 3.7 | 6.0 | 11.0 | 9.4 | 12.4 | 18.3 |
| Avg | 13 | 8 | 2.6 | 4.0 | 6.4 | 7.6 | 9.9 | 13.6 |
| Max | 25 | 21 | 5.6 | 7.0 | 12.5 | 14.2 | 17.2 | 31.6 |
| Hr. of Max | 08 | 10 | 13 | 21 | 21 | 13 | 21 | 22 |
| Min | 6 | 1 | .7 | 1.3 | 1.6 | 2.5 | 4.6 | 5.7 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | |