Current Time: 8:15 AM

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

# Daily Summary Report

Site: Tower "C" (1000 Area)

1/11/2013

Interval: 001h

| | 01_TempC_10m | 02_TempC_30m | 03_TempC_100m | 07_VTGrad30 | 08_VTGrad100 | 09_DewPtC_10m | 11_SoilTempC | 12_RH | 13_AbsHm gm3 |
|---|---|---|---|---|---|---|---|---|---|
| Hour | DEGC | DEGC | DEGC | DEGC | DEGC | DEGC | DEGC | PERCENT | G/M3 |
| 00:00 | 11.5 | 12.3 | 14.9 | .8 | 3.4 | 10.6 | 8.2 | 95.9 | 9.8 |
| 01:00 | 11.0 | 12.0 | 14.9 | .9 | < | 10.4 | 8.1 | 97.3 | 9.6 |
| 02:00 | 11.4 | 12.0 | 15.0 | .6 | 3.6 | 10.8 | 8.1 | 97.1 | 9.8 |
| 03:00 | 11.8 | 12.5 | 15.3 | .7 | < | 11.0 | 8.1 | 96.1 | 10.0 |
| 04:00 | 15.4 | 16.2 | 16.8 | .8 | 1.4 | 13.4 | 8.1 | 89.7 | 11.6 |
| 05:00 | 17.4 | 17.4 | 16.9 | -.1 | 1.5 | 14.7 | 8.2 | 85.7 | 12.5 |
| 06:00 | 16.9 | 16.8 | 16.5 D | -.1 | -.4 D | 15.6 | 8.4 | 93.8 | 13.2 |
| 07:00 | 17.1 | 17.0 | 16.5 | -.1 | -.6 | 15.2 | 8.5 | 90.0 | 12.9 |
| 08:00 | 17.1 | 17.0 | 16.5 | -.1 | -.6 | 15.5 | 8.7 | 92.1 | 13.2 |
| 09:00 | 17.1 | 17.0 | 16.6 | -.1 | -.5 | 15.9 | 8.9 | 94.3 | 13.5 |
| 10:00 | 17.3 | 17.2 | 16.6 | -.1 | -.7 | 16.1 | 9.1 | 94.4 | 13.6 |
| 11:00 | 18.3 | 18.2 | 17.9 | -.1 | -.4 | 16.2 | 9.3 | 89.5 | 13.7 |
| 12:00 | 18.6 | 18.4 | 17.9 | -.1 | -.7 | 16.1 | 9.5 | 87.1 | 13.6 |
| 13:00 | 18.9 | 18.8 | 18.4 | -.1 | -.5 | 16.1 | 9.8 | 85.1 | 13.6 |
| 14:00 | 18.9 | 18.8 | 18.4 | -.1 | -.5 | 16.1 | 10.0 | 85.2 | 13.6 |
| 15:00 | 19.3 | 19.1 | 18.7 | -.2 | -.6 | 16.0 | 10.2 | 83.0 | 13.5 |
| 16:00 | 19.2 | 19.1 | 18.8 | -.1 | -.4 | 16.0 | 10.4 | 83.2 | 13.5 |
| 17:00 | 19.0 | 18.9 | 18.7 | -.1 | -.3 | 16.2 | 10.6 | 85.2 | 13.7 |
| 18:00 | 18.8 | 18.7 | 18.5 | .0 | -.3 | 16.3 | 10.7 | 87.2 | 13.8 |
| 19:00 | 18.5 | 18.5 | 18.2 | -.1 | -.3 | 16.2 | 10.8 | 88.1 | 13.7 |
| 20:00 | 18.4 | 18.3 | 17.9 | -.1 | -.5 | 16.4 | 10.8 | 90.1 | 13.9 |
| 21:00 | 18.4 | 18.3 | 17.9 | -.1 | -.5 | 16.7 | 10.9 | 91.5 | 14.1 |
| 22:00 | 18.1 | 18.0 | 17.7 | -.1 | -.4 | 17.1 | 11.0 | 95.4 | 14.5 |
| 23:00 | 17.7 | 17.6 | 17.7 | -.1 | .0 | 17.0 | 11.0 | 97.6 | 14.5 |
| Avg | 16.9 | 17.0 | 17.2 | .1 | .1 | 15.1 | 9.5 | 90.6 | 12.9 |
| Max | 19.3 | 19.1 | 18.8 | .9 | 3.6 | 17.1 | 11.0 | 97.6 | 14.5 |
| Hr. of Max | 15 | 16 | 16 | 01 | 02 | 22 | 23 | 23 | 23 |
| Min | 11.0 | 12.0 | 14.9 | -.2 | -.7 | 10.4 | 8.1 | 83.0 | 9.6 |
| Count | 24 | 24 | 24 | 24 | 22 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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# Daily Summary Report

Site: Tower "C" (1000 Area)

1/11/2013

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 | 12.8 | .00 | 29.17 | -2.2 | 273 | 40 | 47 | 16 |
| 01:00 | .0 | 12.7 | .00 | 29.16 | -2.4 | 61 | 63 | 146 | 17 |
| 02:00 | .0 | 12.9 | .00 | 29.15 | -2.2 | 148 | 69 | 78 | 13 |
| 03:00 | .0 | 13.1 | .00 | 29.14 | -2.1 | 323 | 33 | 178 | 22 |
| 04:00 | .0 | 15.5 | .00 | 29.12 | -2.1 | 242 | 212 | 185 | 30 |
| 05:00 | .0 | 16.8 | .01 | 29.12 | -1.6 | 210 | 208 | 191 | 21 |
| 06:00 | .0 | 17.7 | .00 | 29.12 | -1.5 | 217 | 209 | 188 | 24 |
| 07:00 | .0 | 17.3 | .00 | 29.13 | -1.0 | 213 | 208 | 185 | 23 |
| 08:00 | .0 | 17.7 | .01 | 29.13 | 19.9 | 217 | 211 | 187 | 22 |
| 09:00 | .0 | 18.1 | .00 | 29.14 | 25.9 | 223 | 219 | 197 | 21 |
| 10:00 | .0 | 18.3 | .00 | 29.15 | 33.1 | 223 | 221 | 203 | 16 |
| 11:00 | .0 | 18.5 | .00 | 29.14 | 68.0 | 216 | 220 | 211 | 18 |
| 12:00 | .0 | 18.3 | .00 | 29.12 | 86.4 | 218 | 220 | 214 | 18 |
| 13:00 | .0 | 18.3 | .00 | 29.11 | 69.4 | 217 | 218 | 208 | 18 |
| 14:00 | .0 | 18.3 | .00 | 29.10 | 77.2 | 209 | 215 | 207 | 16 |
| 15:00 | .0 | 18.3 | .00 | 29.10 | 102.4 | 208 | 211 | 202 | 19 |
| 16:00 | .0 | 18.2 | .00 | 29.10 | 50.8 | 213 | 216 | 206 | 17 |
| 17:00 | .0 | 18.4 | .00 | 29.11 | 5.1 | 223 | 223 | 212 | 17 |
| 18:00 | .0 | 18.6 | .00 | 29.11 | -1.8 | 231 | 228 | 217 | 17 |
| 19:00 | .0 | 18.5 | .00 | 29.12 | -1.9 | 221 | 225 | 212 | 16 |
| 20:00 | .0 | 18.7 | .00 | 29.12 | -.6 | 227 | 228 | 215 | 16 |
| 21:00 | .0 | 19.0 | .00 | 29.13 | -1.6 | 226 | 225 | 213 | 17 |
| 22:00 | .0 | 19.5 | .00 | 29.13 | -2.1 | 228 | 226 | 216 | 16 |
| 23:00 | .0 | 19.4 | .00 | 29.13 | -1.6 | 229 | 226 | 215 | 16 |
| Avg | .0 | 17.3 | .00 | 29.13 | 21.4 | 222 | 215 | 197 | 19 |
| Max | .0 | 19.5 | .01 | 29.17 | 102.4 | 323 | 228 | 217 | 30 |
| Hr. of Max | 23 | 22 | 08 | 00 | 15 | 03 | 20 | 18 | 04 |
| Min | .0 | 12.7 | .00 | 29.10 | -2.4 | 61 | 33 | 47 | 13 |
| 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 | 17 | 18 | 1.0 | 1.2 | 1.6 | 3.7 | 4.8 | 5.0 |
| 01:00 | 12 | 11 | .9 | 1.7 | 3.0 | 4.6 | 7.1 | 6.4 |
| 02:00 | 12 | 24 | .7 | 1.3 | 1.2 | 3.2 | 3.9 | 5.0 |
| 03:00 | 21 | 11 | .5 | 1.0 | 7.1 | 2.3 | 4.8 | 19.5 |
| 04:00 | 25 | 11 | 3.3 | 5.6 | 15.0 | 19.5 | 22.2 | 38.7 |
| 05:00 | 20 | 12 | 6.4 | 8.3 | 14.9 | 16.3 | 22.7 | 27.5 |
| 06:00 | 19 | 12 | 5.8 | 7.8 | 14.5 | 15.8 | 22.9 | 25.4 |
| 07:00 | 20 | 13 | 6.1 | 7.8 | 13.8 | 18.8 | 18.3 | 27.5 |
| 08:00 | 19 | 12 | 5.6 | 7.6 | 14.2 | 21.3 | 21.1 | 26.3 |
| 09:00 | 17 | 11 | 5.5 | 8.0 | 13.3 | 16.5 | 22.0 | 28.2 |
| 10:00 | 16 | 10 | 4.2 | 5.9 | 10.8 | 11.2 | 14.0 | 20.6 |
| 11:00 | 16 | 10 | 6.0 | 8.0 | 14.7 | 20.6 | 21.1 | 28.4 |
| 12:00 | 15 | 8 | 7.6 | 10.1 | 15.9 | 25.0 | 21.1 | 26.8 |
| 13:00 | 15 | 9 | 7.0 | 9.0 | 13.5 | 23.6 | 25.2 | 27.9 |
| 14:00 | 15 | 8 | 6.1 | 8.4 | 13.0 | 19.2 | 18.5 | 26.8 |
| 15:00 | 16 | 10 | 6.8 | 8.7 | 12.6 | 17.2 | 19.5 | 23.6 |
| 16:00 | 16 | 9 | 6.7 | 8.8 | 14.2 | 19.7 | 19.7 | 26.3 |
| 17:00 | 14 | 8 | 5.9 | 8.5 | 14.2 | 13.7 | 17.6 | 28.6 |
| 18:00 | 14 | 7 | 5.0 | 7.6 | 13.8 | 14.0 | 17.2 | 31.4 |
| 19:00 | 16 | 8 | 6.0 | 8.4 | 14.2 | 16.7 | 17.4 | 29.8 |
| 20:00 | 15 | 9 | 6.5 | 8.7 | 14.4 | 17.2 | 25.9 | 22.9 |
| 21:00 | 15 | 8 | 6.2 | 8.5 | 13.6 | 17.6 | 22.0 | 23.4 |
| 22:00 | 14 | 7 | 4.6 | 6.5 | 11.9 | 11.7 | 12.4 | 23.1 |
| 23:00 | 14 | 6 | 3.1 | 4.9 | 10.8 | 8.9 | 11.9 | 22.9 |
| Avg | 16 | 11 | 4.9 | 6.8 | 11.9 | 14.9 | 17.2 | 23.8 |
| Max | 25 | 24 | 7.6 | 10.1 | 15.9 | 25.0 | 25.9 | 38.7 |
| Hr. of Max | 04 | 02 | 12 | 12 | 12 | 12 | 20 | 04 |
| Min | 12 | 6 | .5 | 1.0 | 1.2 | 2.3 | 3.9 | 5.0 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | |