Current Time: 8:09 AM

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

# Daily Summary Report

Site: Tower "C" (1000 Area)

10/27/2013

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 | 10.5 | 10.7 | 10.5 | .2 | .0 | 1.5 | 11.7 | 54.5 | 5.3 |
| 01:00 | 9.8 | 10.4 | 10.3 | .6 | .5 | 2.2 | 11.7 | 59.9 | 5.5 |
| 02:00 | 9.3 | 10.1 | 10.2 | .8 | .9 | 3.5 | 11.7 | 68.0 | 6.1 |
| 03:00 | 9.1 | 9.7 | 10.0 | .6 | .9 | 3.8 | 11.6 | 70.2 | 6.2 |
| 04:00 | 8.7 | 9.4 | 9.7 | .7 | 1.0 | 4.3 | 11.6 | 74.5 | 6.4 |
| 05:00 | 8.5 | 9.2 | 9.6 | .7 | 1.1 | 4.9 | 11.6 | 79.0 | 6.7 |
| 06:00 | 8.4 | 9.1 | 9.1 | .6 | .7 | 5.1 | 11.5 | 80.1 | 6.8 |
| 07:00 | 8.4 | 9.0 | 9.1 | .7 | .7 | 5.3 | 11.5 | 81.7 | 6.9 |
| 08:00 | 8.4 | 8.8 | 9.1 | .4 | .7 | 5.1 | 11.4 | 80.8 | 6.8 |
| 09:00 | 9.5 | 9.4 | 9.2 | -.1 | -.3 | 5.5 | 11.4 | 77.2 | 7.0 |
| 10:00 | 10.6 | 10.4 | 9.8 | -.2 | -.8 | 4.3 | 11.5 | 65.6 | 6.4 |
| 11:00 | 12.7 | 12.5 | 11.5 | -.2 | -1.2 | 3.3 | 11.8 | 53.8 | 5.9 |
| 12:00 | 14.0 | 13.9 | 12.8 | -.2 | -1.2 | 3.7 | 12.3 | 50.5 | 6.1 |
| 13:00 | 14.2 | 14.0 | 13.2 | -.2 | -1.0 | 4.9 | 12.8 | 54.4 | 6.6 |
| 14:00 | 14.6 | 14.4 | 13.7 | -.2 | -.9 | 4.8 | 13.2 | 52.5 | 6.5 |
| 15:00 | 15.3 | 15.1 | 14.4 | -.2 | -.9 | 5.1 | 13.5 | 51.2 | 6.6 |
| 16:00 | 15.4 | 15.2 | 14.5 | -.1 | -.9 | 5.7 | 13.8 | 53.2 | 6.9 |
| 17:00 | 15.3 | 15.1 | 14.5 | -.2 | -.8 | 7.0 | 14.0 | 58.5 | 7.6 |
| 18:00 | 14.2 | 14.5 | 14.3 | .3 | .1 | 8.5 | 14.0 | 69.4 | 8.4 |
| 19:00 | 13.3 | 13.7 | 13.9 | .4 | .6 | 9.0 | 14.0 | 76.2 | 8.7 |
| 20:00 | 12.9 | 13.4 | 13.7 | .5 | 1.2 | 9.4 | 13.8 | 80.5 | 9.0 |
| 21:00 | 12.3 | 13.1 | 13.2 | .7 | .9 | 9.7 | 13.7 | 84.8 | 9.1 |
| 22:00 | 12.5 | 13.0 | 12.9 | .5 | .4 | 10.2 | 13.6 | 86.8 | 9.4 |
| 23:00 | 12.0 | 12.9 | 12.9 | 1.0 | .9 | 10.3 | 13.5 | 90.8 | 9.5 |
| Avg | 11.7 | 12.0 | 11.8 | .3 | .1 | 5.7 | 12.6 | 68.9 | 7.1 |
| Max | 15.4 | 15.2 | 14.5 | 1.0 | 1.2 | 10.3 | 14.0 | 90.8 | 9.5 |
| Hr. of Max | 16 | 16 | 17 | 23 | 20 | 23 | 19 | 23 | 23 |
| Min | 8.4 | 8.8 | 9.1 | -.2 | -1.2 | 1.5 | 11.4 | 50.5 | 5.3 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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10/27/2013

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 | 0.004361 | 6.9 | .00 | 29.17 | -2.2 | 287 | 234 | 214 | 8 |
| 01:00 | 0.004574 | 7.2 | .00 | 29.16 | -2.4 | 344 | 78 | 191 | 5 |
| 02:00 | 0.005027 | 7.9 | .00 | 29.15 | -2.0 | 313 | 8 | 184 | 4 |
| 03:00 | 0.005101 | 8.0 | .00 | 29.14 | -2.0 | 302 | 259 | 210 | 2 |
| 04:00 | 0.005289 | 8.3 | .00 | 29.13 | -2.2 | 287 | 291 | 224 | 4 |
| 05:00 | 0.005528 | 8.7 | .00 | 29.13 | -2.7 | 262 | 241 | 235 | 4 |
| 06:00 | 0.005584 | 8.8 | .00 | 29.13 | -2.5 | 278 | 266 | 217 | 10 |
| 07:00 | 0.005678 | 8.9 | .00 | 29.14 | -1.7 | 275 | 300 | 239 | 5 |
| 08:00 | 0.005604 | 8.8 | .00 | 29.15 | 21.5 | 307 | 57 | 272 | 6 |
| 09:00 | 0.005763 | 9.1 | .00 | 29.16 | 76.3 | 257 | 264 | 254 | 12 |
| 10:00 | 0.005287 | 8.3 | .00 | 29.17 | 189.9 | 272 | 261 | 221 | 17 |
| 11:00 | 0.004963 | 7.8 | .00 | 29.17 | 343.0 | 226 | 230 | 224 | 22 |
| 12:00 | 0.005107 | 8.0 | .00 | 29.17 | 349.1 | 249 | 251 | 238 | 19 |
| 13:00 | 0.005546 | 8.7 | .00 | 29.16 | 152.1 | 279 | 276 | 265 | 18 |
| 14:00 | 0.005509 | 8.7 | .00 | 29.14 | 257.6 | 263 | 265 | 261 | 25 |
| 15:00 | 0.005616 | 8.8 | .00 | 29.13 | 200.5 | 237 | 239 | 244 | 18 |
| 16:00 | 0.005885 | 9.2 | .00 | 29.13 | 126.6 | 255 | 255 | 254 | 13 |
| 17:00 | 0.006427 | 10.1 | .00 | 29.13 | 57.7 | 282 | 275 | 253 | 11 |
| 18:00 | 0.0071 | 11.1 | .00 | 29.12 | 7.2 | 299 | 269 | 266 | 4 |
| 19:00 | 0.007329 | 11.5 | .00 | 29.13 | -1.8 | 305 | 107 | 310 | 5 |
| 20:00 | 0.007555 | 11.8 | .00 | 29.14 | -1.9 | 284 | 246 | 241 | 6 |
| 21:00 | 0.007673 | 12.0 | .00 | 29.15 | -1.9 | 303 | 258 | 184 | 6 |
| 22:00 | 0.007944 | 12.5 | .00 | 29.16 | -1.9 | 299 | 238 | 192 | 7 |
| 23:00 | 0.008006 | 12.6 | .00 | 29.17 | -2.0 | 279 | 256 | 215 | 4 |
| Avg | 0.005936 | 9.3 | .00 | 29.15 | 73.1 | 281 | 262 | 233 | 10 |
| Max | 0.008006 | 12.6 | .00 | 29.17 | 349.1 | 344 | 300 | 310 | 25 |
| Hr. of Max | 23 | 23 | 23 | 23 | 12 | 01 | 07 | 19 | 14 |
| Min | 0.004361 | 6.9 | .00 | 29.12 | -2.7 | 226 | 8 | 184 | 2 |
| 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 | 8 | 4 | .9 | 2.0 | 6.9 | 3.0 | 5.3 | 14.9 |
| 01:00 | 15 | 6 | .6 | 1.0 | 4.3 | 2.7 | 2.5 | 12.1 |
| 02:00 | 8 | 4 | .7 | 1.1 | 3.9 | 2.1 | 2.7 | 8.7 |
| 03:00 | 4 | 2 | .8 | 1.2 | 4.9 | 2.7 | 3.5 | 9.2 |
| 04:00 | 12 | 2 | .8 | 1.2 | 5.3 | 2.7 | 3.9 | 10.5 |
| 05:00 | 3 | 2 | 1.2 | 2.0 | 5.3 | 2.5 | 3.4 | 10.3 |
| 06:00 | 6 | 2 | .8 | 1.2 | 4.2 | 2.1 | 3.0 | 8.7 |
| 07:00 | 7 | 4 | .8 | 1.2 | 4.8 | 2.1 | 2.5 | 7.1 |
| 08:00 | 4 | 3 | .6 | 1.0 | 3.5 | 2.5 | 3.0 | 11.4 |
| 09:00 | 12 | 5 | 1.3 | 1.3 | 1.7 | 3.7 | 4.8 | 4.6 |
| 10:00 | 20 | 11 | 1.4 | 1.3 | 2.5 | 4.4 | 4.4 | 8.0 |
| 11:00 | 22 | 17 | 3.0 | 3.5 | 4.1 | 8.2 | 8.5 | 8.7 |
| 12:00 | 16 | 11 | 3.6 | 4.1 | 5.1 | 13.1 | 9.8 | 10.1 |
| 13:00 | 15 | 10 | 3.1 | 3.7 | 4.9 | 8.2 | 12.1 | 11.9 |
| 14:00 | 17 | 15 | 2.8 | 3.0 | 3.8 | 8.2 | 8.2 | 9.8 |
| 15:00 | 16 | 15 | 2.8 | 3.3 | 3.6 | 7.6 | 7.6 | 8.9 |
| 16:00 | 14 | 11 | 1.9 | 2.1 | 2.4 | 4.1 | 6.6 | 8.9 |
| 17:00 | 13 | 7 | 1.2 | 1.5 | 3.3 | 3.4 | 3.9 | 6.6 |
| 18:00 | 8 | 3 | 1.1 | 1.4 | 2.8 | 2.3 | 2.7 | 5.0 |
| 19:00 | 13 | 5 | .5 | .8 | 2.9 | 2.1 | 5.3 | 7.6 |
| 20:00 | 9 | 3 | 1.2 | 1.5 | 3.2 | 3.4 | 3.2 | 4.8 |
| 21:00 | 6 | 3 | .6 | .9 | 5.6 | 1.8 | 2.3 | 9.4 |
| 22:00 | 17 | 4 | 1.4 | 2.0 | 8.2 | 3.9 | 5.5 | 11.4 |
| 23:00 | 6 | 2 | 1.1 | 2.5 | 7.3 | 3.9 | 7.3 | 16.5 |
| Avg | 11 | 6 | 1.4 | 1.9 | 4.4 | 4.2 | 5.1 | 9.4 |
| Max | 22 | 17 | 3.6 | 4.1 | 8.2 | 13.1 | 12.1 | 16.5 |
| Hr. of Max | 11 | 11 | 12 | 12 | 22 | 12 | 13 | 23 |
| Min | 3 | 2 | .5 | .8 | 1.7 | 1.8 | 2.3 | 4.6 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | |