Date Printed: 03/23/2015 10:09

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

# Daily Summary Report

Site: Tower "K" (1208)

3/21/2015

Interval: 001h

| | 01_TempC_010m | 02_TempC_060m | 03_TempF_010m | 04_TempF_060m | 05_VT_Grad | 06_DewPtC_010m | 07_DewPtF_010m | 08_RH_010m | 09_AbsHum_010m |
|---|---|---|---|---|---|---|---|---|---|
| Hour | DEGC | DEGC | DEGC | DEGC | DEGC | DEGC | DEGF | PERCENT | G/M3 |
| 00:00 | 10.1 | 9.7 | 50.2 | 49.5 | -.4 | 8.1 | 46.5 | 88.0 | 8.3 |
| 01:00 | 9.8 | 9.4 | 49.7 | 48.9 | -.4 | 8.0 | 46.3 | 89.3 | 8.2 |
| 02:00 | 9.4 | 9.0 | 49.0 | 48.2 | -.4 | 7.5 | 45.6 | 89.0 | 8.0 |
| 03:00 | 9.1 | 8.7 | 48.4 | 47.7 | -.4 | 7.6 | 45.6 | 91.0 | 8.0 |
| 04:00 | 9.0 | 8.6 | 48.1 | 47.4 | -.4 | 7.5 | 45.4 | 91.3 | 8.0 |
| 05:00 | 9.0 | 8.6 | 48.1 | 47.4 | -.4 | 7.1 | 44.8 | 89.0 | 7.8 |
| 06:00 | 8.9 | 8.6 | 48.1 | 47.5 | -.4 | 6.9 | 44.4 | 87.8 | 7.6 |
| 07:00 | 8.7 | 8.5 | 47.6 | 47.4 | -.1 | 6.8 | 44.2 | 88.6 | 7.6 |
| 08:00 | 8.8 | 8.5 | 47.8 | 47.3 | -.3 | 7.0 | 44.6 | 89.3 | 7.7 |
| 09:00 | 9.4 | 8.8 | 48.9 | 47.8 | -.6 | 6.0 | 42.8 | 80.2 | 7.2 |
| 10:00 | 10.9 | 10.1 | 51.7 | 50.2 | -.8 | 4.6 | 40.2 | 65.7 | 6.5 |
| 11:00 | 12.0 | 11.1 | 53.5 | 52.0 | -.9 | 3.3 | 38.0 | 56.4 | 5.9 |
| 12:00 | 13.4 | 12.7 | 56.2 | 54.9 | -.7 | 3.6 | 38.5 | 52.0 | 6.0 |
| 13:00 | 15.2 | 14.9 | 59.4 | 58.8 | -.4 | 3.6 | 38.5 | 46.6 | 6.0 |
| 14:00 | 17.5 | 16.6 | 63.5 | 61.8 | -.9 | 2.2 | 35.9 | 36.5 | 5.4 |
| 15:00 | 19.0 | 18.0 | 66.3 | 64.4 | -1.1 | 1.6 | 34.9 | 31.8 | 5.2 |
| 16:00 | 19.3 | 18.1 | 66.8 | 64.7 | -1.2 | 3.6 | 38.5 | 35.9 | 5.9 |
| 17:00 | 19.0 | 18.3 | 66.1 | 64.9 | -.7 | 3.7 | 38.7 | 37.1 | 6.0 |
| 18:00 | 18.4 | 17.9 | 65.1 | 64.2 | -.5 | 5.6 | 42.2 | 44.1 | 6.9 |
| 19:00 | 17.5 | 17.3 | 63.5 | 63.1 | -.2 | 7.8 | 46.1 | 53.9 | 8.0 |
| 20:00 | 16.3 | 16.8 | 61.3 | 62.2 | .5 | 9.3 | 48.7 | 64.5 | 8.8 |
| 21:00 | 14.5 | 16.3 | 58.1 | 61.4 | 1.8 | 9.7 | 49.5 | 74.2 | 9.1 |
| 22:00 | 13.6 | 15.7 | 56.5 | 60.3 | 2.1 | 9.4 | 48.9 | 76.6 | 8.9 |
| 23:00 | 12.2 | 14.6 | 54.0 | 58.4 | 2.4 | 9.8 | 49.7 | 86.3 | 9.2 |
| Avg | 13.0 | 12.8 | 55.3 | 55.0 | -.2 | 6.3 | 43.3 | 68.5 | 7.3 |
| Max | 19.3 | 18.3 | 66.8 | 64.9 | 2.4 | 9.8 | 49.7 | 91.3 | 9.2 |
| Hr. of Max | 16 | 17 | 16 | 17 | 23 | 23 | 23 | 04 | 23 |
| Min | 8.7 | 8.5 | 47.6 | 47.3 | -1.2 | 1.6 | 34.9 | 31.8 | 5.2 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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# Daily Summary Report

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3/21/2015

Interval: 001h

| | 10_Mix_Ratio_010m | _Sat_Mix_Ratio_01( | 12_Vapor Pr_010m | 3_Sat Vapor Pr_010r | 14_LHV_010m | 15_Precip_mm | 16_Precip_In | 17_PrecipSum | 18_Solar_Rad_Wm2 |
|---|---|---|---|---|---|---|---|---|---|
| Hour | None | None | KPa | None | None | MM | INCHES | INCHES | W/M2 |
| 00:00 | 0.0069 | 0.0078 | 10.8 | 12.4 | 2467230.6 | .0 | .00 | .00 | -3.4 |
| 01:00 | 0.0068 | 0.0077 | 10.7 | 12.1 | 2467946.1 | .0 | .00 | .00 | -3.3 |
| 02:00 | 0.0066 | 0.0075 | 10.4 | 11.8 | 2468865.3 | .0 | .00 | .00 | -3.4 |
| 03:00 | 0.0066 | 0.0073 | 10.4 | 11.6 | 2469644.4 | .0 | .00 | .00 | -3.4 |
| 04:00 | 0.0066 | 0.0072 | 10.4 | 11.5 | 2469995.5 | .0 | .00 | .00 | -3.5 |
| 05:00 | 0.0064 | 0.0072 | 10.1 | 11.5 | 2469977.8 | .0 | .00 | .00 | -3.4 |
| 06:00 | 0.0063 | 0.0072 | 10.0 | 11.4 | 2470031.2 | .0 | .00 | .00 | -3.5 |
| 07:00 | 0.0063 | 0.0071 | 9.9 | 11.2 | 2470650.5 | .0 | .00 | .00 | -1.8 |
| 08:00 | 0.0064 | 0.0071 | 10.0 | 11.3 | 2470380.4 | .0 | .00 | .00 | 40.8 |
| 09:00 | 0.006 | 0.0074 | 9.4 | 11.8 | 2468999.9 | .0 | .00 | .00 | 159.6 |
| 10:00 | 0.0054 | 0.0082 | 8.5 | 13.1 | 2465314.9 | .0 | .00 | .00 | 383.2 |
| 11:00 | 0.005 | 0.0088 | 7.8 | 14.0 | 2462876.1 | .0 | .00 | .00 | 575.5 |
| 12:00 | 0.0051 | 0.0097 | 8.0 | 15.5 | 2459334.8 | .0 | .00 | .00 | 764.8 |
| 13:00 | 0.0051 | 0.0109 | 8.0 | 17.4 | 2455100.5 | .3 | .01 | .01 | 785.5 |
| 14:00 | 0.0046 | 0.0126 | 7.3 | 20.0 | 2449746.6 | .0 | .00 | .00 | 839.0 |
| 15:00 | 0.0044 | 0.014 | 7.0 | 22.1 | 2446067.3 | .0 | .00 | .00 | 588.1 |
| 16:00 | 0.0051 | 0.0142 | 8.0 | 22.5 | 2445344.5 | .0 | .00 | .00 | 310.6 |
| 17:00 | 0.0052 | 0.0139 | 8.1 | 22.0 | 2446249.6 | .0 | .00 | .00 | 163.7 |
| 18:00 | 0.0059 | 0.0134 | 9.3 | 21.2 | 2447592.4 | .0 | .00 | .00 | 71.0 |
| 19:00 | 0.0068 | 0.0127 | 10.7 | 20.0 | 2449749.3 | .0 | .00 | .00 | 11.1 |
| 20:00 | 0.0075 | 0.0117 | 11.8 | 18.5 | 2452683.5 | .0 | .00 | .00 | -3.1 |
| 21:00 | 0.0077 | 0.0104 | 12.1 | 16.5 | 2456876.0 | .0 | .00 | .00 | -3.1 |
| 22:00 | 0.0076 | 0.0099 | 11.8 | 15.6 | 2458894.9 | .0 | .00 | .00 | -3.1 |
| 23:00 | 0.0078 | 0.009 | 12.2 | 14.3 | 2462228.4 | .0 | .00 | .00 | -3.2 |
| Avg | 0.0062 | 0.0097 | 9.7 | 15.4 | 2460490.9 | .0 | .00 | .00 | 193.9 |
| Max | 0.0078 | 0.0142 | 12.2 | 22.5 | 2470650.5 | .3 | .01 | .01 | 839.0 |
| Hr. of Max | 23 | 16 | 23 | 16 | 07 | 13 | 13 | 13 | 14 |
| Min | 0.0044 | 0.0071 | 7.0 | 11.2 | 2445344.5 | .0 | .00 | .00 | -3.5 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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# Daily Summary Report

Site: Tower "K" (1208)

3/21/2015

Interval: 001h

| | 19_Solar_Rad_Lang | 20_BarPres_In | 21_BarPres_Mb | 22_WDir_010m | 23_WDir_060m | 24_VWDir_010m | 25_VWDir_060m | 26_Sigma_010m | 27_Sigma_060m |
|---|---|---|---|---|---|---|---|---|---|
| Hour | Langleys | INHG | KPa | DEG | DEG | DEG | DEG | DEG | DEG |
| 00:00 | .00 | 29.14 | 986.8 | 261 | 268 | 257 | 268 | 25 | 14 |
| 01:00 | .00 | 29.13 | 986.6 | 283 | 282 | 279 | 282 | 19 | 12 |
| 02:00 | .00 | 29.14 | 986.8 | 271 | 274 | 271 | 275 | 15 | 11 |
| 03:00 | .00 | 29.13 | 986.5 | 245 | 255 | 247 | 256 | 14 | 9 |
| 04:00 | -.01 | 29.13 | 986.4 | 278 | 286 | 277 | 287 | 20 | 12 |
| 05:00 | .00 | 29.14 | 986.9 | 287 | 289 | 286 | 289 | 18 | 13 |
| 06:00 | -.01 | 29.16 | 987.4 | 280 | 291 | 277 | 293 | 19 | 15 |
| 07:00 | .00 | 29.16 | 987.5 | 15 | 354 | 31 | 353 | 53 | 40 |
| 08:00 | .06 | 29.17 | 987.9 | 208 | 258 | 195 | 198 | 53 | 45 |
| 09:00 | .23 | 29.18 | 988.2 | 231 | 212 | 229 | 208 | 35 | 27 |
| 10:00 | .55 | 29.18 | 988.3 | 63 | 63 | 74 | 61 | 70 | 44 |
| 11:00 | .83 | 29.18 | 988.2 | 210 | 217 | 212 | 215 | 41 | 48 |
| 12:00 | 1.10 | 29.16 | 987.5 | 234 | 223 | 230 | 218 | 40 | 35 |
| 13:00 | 1.13 | 29.15 | 987.1 | 293 | 274 | 290 | 273 | 37 | 23 |
| 14:00 | 1.20 | 29.11 | 985.9 | 240 | 247 | 230 | 238 | 51 | 45 |
| 15:00 | .84 | 29.07 | 984.4 | 235 | 222 | 232 | 218 | 49 | 48 |
| 16:00 | .45 | 29.06 | 984.0 | 176 | 175 | 174 | 175 | 27 | 21 |
| 17:00 | .23 | 29.05 | 983.9 | 188 | 191 | 191 | 192 | 36 | 30 |
| 18:00 | .10 | 29.06 | 984.2 | 193 | 196 | 190 | 194 | 24 | 15 |
| 19:00 | .02 | 29.08 | 984.8 | 178 | 207 | 176 | 208 | 11 | 8 |
| 20:00 | .00 | 29.09 | 985.0 | 219 | 227 | 234 | 227 | 49 | 8 |
| 21:00 | .00 | 29.09 | 985.0 | 307 | 241 | 308 | 245 | 20 | 5 |
| 22:00 | .00 | 29.08 | 984.9 | 120 | 331 | 143 | 321 | 48 | 19 |
| 23:00 | .00 | 29.09 | 985.2 | 218 | 152 | 214 | 143 | 19 | 35 |
| Avg | .28 | 29.12 | 986.2 | 239 | 246 | 0 | 0 | 33 | 24 |
| Max | 1.20 | 29.18 | 988.3 | 307 | 354 | 308 | 353 | 70 | 48 |
| Hr. of Max | 14 | 11 | 10 | 21 | 07 | 21 | 07 | 10 | 15 |
| Min | -.01 | 29.05 | 983.9 | 15 | 63 | 31 | 61 | 11 | 5 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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# Daily Summary Report

Site: Tower "K" (1208)

3/21/2015

Interval: 001h

| | 28_RWSpd_010m | 29_RWSpd_060m | 30_WSpd_010m | 31_WSpd_060m | 32_WSpdms_010m | 33_WSpdms_060m | 36_PkWsH_010m | 37_PkWsH_060m |
|---|---|---|---|---|---|---|---|---|
| Hour | MPH | MPH | MPH | MPH | M/SEC | M/SEC | MPH | MPH |
| 00:00 | 3.1 | 5.1 | 3.4 | 5.4 | 1.5 | 2.4 | 9.2 | 10.1 |
| 01:00 | 3.2 | 4.5 | 3.4 | 4.6 | 1.5 | 2.1 | 7.3 | 8.9 |
| 02:00 | 4.3 | 5.7 | 4.5 | 5.8 | 2.0 | 2.6 | 9.2 | 10.8 |
| 03:00 | 3.3 | 5.4 | 3.4 | 5.5 | 1.5 | 2.5 | 6.6 | 8.0 |
| 04:00 | 2.6 | 4.7 | 2.8 | 4.8 | 1.2 | 2.2 | 5.5 | 8.2 |
| 05:00 | 2.3 | 3.9 | 2.4 | 4.0 | 1.1 | 1.8 | 6.6 | 8.5 |
| 06:00 | 1.7 | 3.3 | 1.8 | 3.4 | .8 | 1.5 | 6.4 | 6.4 |
| 07:00 | .3 | 2.0 | .8 | 2.8 | .3 | 1.3 | 3.9 | 5.5 |
| 08:00 | .3 | .2 | .6 | .6 | .3 | .3 | 2.5 | 2.3 |
| 09:00 | 1.2 | 1.4 | 1.5 | 1.5 | .7 | .7 | 3.9 | 4.1 |
| 10:00 | .4 | 1.5 | 1.2 | 1.8 | .5 | .8 | 4.8 | 5.0 |
| 11:00 | 2.1 | 1.8 | 2.6 | 2.2 | 1.2 | 1.0 | 6.4 | 6.9 |
| 12:00 | 2.8 | 2.7 | 3.4 | 3.2 | 1.5 | 1.5 | 9.2 | 8.2 |
| 13:00 | 2.7 | 3.5 | 3.3 | 3.7 | 1.5 | 1.7 | 7.3 | 11.0 |
| 14:00 | 1.9 | 2.0 | 3.3 | 3.0 | 1.5 | 1.4 | 8.9 | 7.8 |
| 15:00 | 2.1 | 2.8 | 3.1 | 3.7 | 1.4 | 1.7 | 7.8 | 9.2 |
| 16:00 | 3.1 | 4.3 | 3.5 | 4.6 | 1.5 | 2.1 | 8.2 | 9.8 |
| 17:00 | 1.3 | 2.1 | 1.8 | 2.5 | .8 | 1.2 | 6.0 | 8.0 |
| 18:00 | 2.2 | 3.7 | 2.4 | 3.8 | 1.1 | 1.7 | 5.3 | 6.6 |
| 19:00 | 1.7 | 3.4 | 1.8 | 3.4 | .8 | 1.6 | 3.9 | 5.7 |
| 20:00 | .2 | 2.5 | .4 | 2.4 | .2 | 1.1 | 1.6 | 4.4 |
| 21:00 | .8 | 3.2 | .9 | 3.3 | .4 | 1.5 | 2.1 | 5.7 |
| 22:00 | .4 | 2.8 | 1.1 | 3.2 | .5 | 1.5 | 2.3 | 6.2 |
| 23:00 | .7 | .7 | .7 | 1.1 | .3 | .5 | 2.3 | 2.5 |
| Avg | 2.7 | 2.7 | 2.3 | 3.3 | 1.0 | 1.5 | 5.7 | 7.1 |
| Max | 4.3 | 5.7 | 4.5 | 5.8 | 2.0 | 2.6 | 9.2 | 11.0 |
| Hr. of Max | 02 | 02 | 02 | 02 | 02 | 02 | 12 | 13 |
| Min | .2 | .2 | .4 | .6 | .2 | .3 | 1.6 | 2.3 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | |