Date Printed: 03/06/2015 08:21

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

# Daily Summary Report

Site: Tower "K" (1208)

3/4/2015

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 | 11.3 | 11.4 | 52.4 | 52.5 | .1 | 11.2 | 52.2 | 100.8 | 10.2 |
| 01:00 | 11.2 | 11.3 | 52.1 | 52.3 | .1 | 11.1 | 52.0 | 100.8 | 10.1 |
| 02:00 | 11.6 | 11.9 | 52.9 | 53.5 | .3 | 11.5 | 52.7 | 100.8 | 10.3 |
| 03:00 | 12.0 | 12.1 | 53.6 | 53.9 | .1 | 11.9 | 53.5 | 100.9 | 10.6 |
| 04:00 | 12.0 | 12.2 | 53.7 | 53.9 | .1 | 12.0 | 53.5 | 100.9 | 10.6 |
| 05:00 | 12.3 | 12.6 | 54.1 | 54.7 | .4 | 12.2 | 53.9 | 100.9 | 10.8 |
| 06:00 | 12.5 | 12.8 | 54.6 | 55.0 | .2 | 12.5 | 54.4 | 101.0 | 11.0 |
| 07:00 | 12.7 | 13.1 | 54.9 | 55.5 | .3 | 12.7 | 54.8 | 101.0 | 11.1 |
| 08:00 | 13.2 | 13.8 | 55.8 | 56.9 | .6 | 13.1 | 55.6 | 101.1 | 11.4 |
| 09:00 | 14.0 | 14.9 | 57.2 | 58.8 | .9 | 13.9 | 57.0 | 101.1 | 12.0 |
| 10:00 | 16.4 | 16.6 | 61.4 | 61.9 | .3 | 16.3 | 61.3 | 101.4 | 13.9 |
| 11:00 | 18.3 | 17.8 | 65.0 | 64.0 | -.5 | 17.9 | 64.2 | 99.5 | 15.3 |
| 12:00 | 18.8 | 18.3 | 65.8 | 64.9 | -.5 | 16.4 | 61.5 | 87.9 | 13.9 |
| 13:00 | 19.3 | 18.9 | 66.7 | 66.1 | -.3 | 16.1 | 61.0 | 83.5 | 13.6 |
| 14:00 | 20.2 | 19.8 | 68.4 | 67.7 | -.4 | 15.8 | 60.5 | 77.3 | 13.3 |
| 15:00 | 19.4 | 19.1 | 66.9 | 66.3 | -.3 | 15.3 | 59.6 | 79.1 | 13.0 |
| 16:00 | 15.5 | 15.2 | 60.0 | 59.4 | -.3 | 14.6 | 58.2 | 95.6 | 12.5 |
| 17:00 | 14.0 | 13.8 | 57.2 | 56.9 | -.2 | 13.8 | 56.8 | 100.3 | 11.9 |
| 18:00 | 12.4 | 12.1 | 54.4 | 53.9 | -.3 | 12.2 | 54.0 | 100.3 | 10.8 |
| 19:00 | 11.0 | 10.6 | 51.8 | 51.1 | -.4 | 10.8 | 51.5 | 100.2 | 9.9 |
| 20:00 | 8.2 | 7.7 | 46.7 | 45.9 | -.4 | 8.0 | 46.4 | 99.9 | 8.3 |
| 21:00 | 7.0 | 6.6 | 44.7 | 43.8 | -.5 | 6.9 | 44.4 | 99.9 | 7.7 |
| 22:00 | 6.3 | 5.9 | 43.3 | 42.5 | -.4 | 6.1 | 43.0 | 99.9 | 7.3 |
| 23:00 | 5.5 | 5.1 | 41.9 | 41.1 | -.4 | 5.4 | 41.6 | 100.0 | 7.0 |
| Avg | 13.1 | 13.1 | 55.6 | 55.5 | -.1 | 12.4 | 54.3 | 97.3 | 11.1 |
| Max | 20.2 | 19.8 | 68.4 | 67.7 | .9 | 17.9 | 64.2 | 101.4 | 15.3 |
| Hr. of Max | 14 | 14 | 14 | 14 | 09 | 11 | 11 | 10 | 11 |
| Min | 5.5 | 5.1 | 41.9 | 41.1 | -.5 | 5.4 | 41.6 | 77.3 | 7.0 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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3/4/2015

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 | 0.0086 | 0.0085 | 13.3 | 13.4 | 2464392.7 | .3 | .01 | .01 | -3.5 |
| 01:00 | 0.0085 | 0.0084 | 13.2 | 13.3 | 2464718.3 | 1.3 | .05 | .05 | -3.5 |
| 02:00 | 0.0087 | 0.0087 | 13.6 | 13.7 | 2463744.6 | .8 | .03 | .03 | -3.3 |
| 03:00 | 0.009 | 0.0089 | 14.0 | 14.1 | 2462734.8 | 3.6 | .14 | .14 | -3.5 |
| 04:00 | 0.009 | 0.0089 | 14.0 | 14.1 | 2462683.1 | 2.3 | .09 | .09 | -3.4 |
| 05:00 | 0.0092 | 0.0091 | 14.2 | 14.3 | 2462151.1 | 1.0 | .04 | .04 | -3.5 |
| 06:00 | 0.0093 | 0.0092 | 14.5 | 14.6 | 2461475.5 | .5 | .02 | .02 | -3.3 |
| 07:00 | 0.0094 | 0.0094 | 14.7 | 14.7 | 2461042.5 | .5 | .02 | .02 | 1.5 |
| 08:00 | 0.0098 | 0.0097 | 15.1 | 15.2 | 2459928.2 | .0 | .00 | .00 | 10.0 |
| 09:00 | 0.0103 | 0.0102 | 15.9 | 16.0 | 2458077.5 | .3 | .01 | .01 | 40.9 |
| 10:00 | 0.012 | 0.0119 | 18.6 | 18.7 | 2452427.0 | .0 | .00 | .00 | 95.4 |
| 11:00 | 0.0134 | 0.0134 | 20.6 | 21.1 | 2447720.9 | .0 | .00 | .00 | 224.5 |
| 12:00 | 0.0121 | 0.0138 | 18.7 | 21.7 | 2446717.5 | .0 | .00 | .00 | 120.3 |
| 13:00 | 0.0119 | 0.0143 | 18.4 | 22.4 | 2445476.6 | .0 | .00 | .00 | 97.4 |
| 14:00 | 0.0117 | 0.0152 | 18.0 | 23.8 | 2443234.5 | .0 | .00 | .00 | 92.3 |
| 15:00 | 0.0114 | 0.0144 | 17.5 | 22.6 | 2445240.8 | .0 | .00 | .00 | 44.0 |
| 16:00 | 0.0108 | 0.0113 | 16.6 | 17.7 | 2454385.2 | .0 | .00 | .00 | 20.2 |
| 17:00 | 0.0102 | 0.0102 | 15.8 | 16.0 | 2458013.7 | .3 | .01 | .01 | 4.4 |
| 18:00 | 0.0092 | 0.0092 | 14.3 | 14.4 | 2461764.4 | 1.0 | .04 | .04 | -2.5 |
| 19:00 | 0.0084 | 0.0084 | 13.0 | 13.2 | 2465116.8 | .3 | .01 | .01 | -3.4 |
| 20:00 | 0.0069 | 0.0069 | 10.7 | 10.9 | 2471886.7 | .5 | .02 | .02 | -3.6 |
| 21:00 | 0.0064 | 0.0064 | 9.9 | 10.1 | 2474550.5 | .3 | .01 | .01 | -3.6 |
| 22:00 | 0.006 | 0.006 | 9.4 | 9.5 | 2476412.8 | .5 | .02 | .02 | -3.6 |
| 23:00 | 0.0057 | 0.0057 | 9.0 | 9.0 | 2478232.4 | .5 | .02 | .02 | -3.7 |
| Avg | 0.0095 | 0.0099 | 14.7 | 15.6 | 2460088.7 | .6 | .02 | .02 | 29.4 |
| Max | 0.0134 | 0.0152 | 20.6 | 23.8 | 2478232.4 | 3.6 | .14 | .14 | 224.5 |
| Hr. of Max | 11 | 14 | 11 | 14 | 23 | 03 | 03 | 03 | 11 |
| Min | 0.0057 | 0.0057 | 9.0 | 9.0 | 2443234.5 | .0 | .00 | .00 | -3.7 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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# Daily Summary Report

Site: Tower "K" (1208)

3/4/2015

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 | 28.97 | 981.1 | 244 | 247 | 246 | 247 | 14 | 7 |
| 01:00 | .00 | 28.96 | 980.6 | 235 | 238 | 234 | 238 | 28 | 12 |
| 02:00 | .00 | 28.95 | 980.3 | 269 | 250 | 271 | 251 | 22 | 8 |
| 03:00 | -.01 | 28.93 | 979.8 | 265 | 249 | 261 | 247 | 17 | 7 |
| 04:00 | .00 | 28.92 | 979.5 | 254 | 251 | 258 | 251 | 21 | 6 |
| 05:00 | .00 | 28.92 | 979.5 | 285 | 257 | 284 | 257 | 21 | 9 |
| 06:00 | .00 | 28.94 | 980.0 | 285 | 265 | 285 | 265 | 18 | 8 |
| 07:00 | .00 | 28.94 | 980.0 | 266 | 252 | 267 | 253 | 24 | 9 |
| 08:00 | .01 | 28.93 | 979.8 | 261 | 252 | 267 | 252 | 27 | 8 |
| 09:00 | .06 | 28.92 | 979.5 | 234 | 225 | 236 | 225 | 22 | 9 |
| 10:00 | .14 | 28.91 | 979.1 | 216 | 215 | 212 | 214 | 20 | 10 |
| 11:00 | .32 | 28.89 | 978.5 | 207 | 213 | 207 | 213 | 19 | 10 |
| 12:00 | .17 | 28.88 | 978.1 | 202 | 210 | 202 | 210 | 17 | 9 |
| 13:00 | .14 | 28.85 | 977.1 | 206 | 212 | 206 | 212 | 19 | 9 |
| 14:00 | .13 | 28.81 | 975.8 | 199 | 208 | 200 | 208 | 18 | 9 |
| 15:00 | .06 | 28.79 | 975.0 | 225 | 230 | 213 | 220 | 30 | 20 |
| 16:00 | .03 | 28.80 | 975.3 | 345 | 319 | 324 | 307 | 62 | 26 |
| 17:00 | .01 | 28.80 | 975.4 | 3 | 349 | 360 | 345 | 36 | 24 |
| 18:00 | .00 | 28.84 | 976.6 | 329 | 328 | 330 | 331 | 51 | 26 |
| 19:00 | .00 | 28.87 | 977.7 | 304 | 297 | 297 | 297 | 26 | 12 |
| 20:00 | -.01 | 28.92 | 979.5 | 281 | 284 | 281 | 286 | 22 | 13 |
| 21:00 | -.01 | 28.96 | 980.8 | 302 | 301 | 288 | 297 | 36 | 20 |
| 22:00 | -.01 | 28.99 | 981.7 | 243 | 264 | 250 | 270 | 44 | 23 |
| 23:00 | -.01 | 29.02 | 982.7 | 264 | 264 | 265 | 269 | 39 | 27 |
| Avg | .04 | 28.90 | 978.9 | 259 | 255 | 0 | 0 | 27 | 13 |
| Max | .32 | 29.02 | 982.7 | 345 | 349 | 360 | 345 | 62 | 27 |
| Hr. of Max | 11 | 23 | 23 | 16 | 17 | 17 | 17 | 16 | 23 |
| Min | -.01 | 28.79 | 975.0 | 3 | 208 | 200 | 208 | 14 | 6 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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# Daily Summary Report

Site: Tower "K" (1208)

3/4/2015

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 | 5.1 | 9.0 | 5.3 | 9.0 | 2.4 | 4.1 | 10.3 | 16.3 |
| 01:00 | 2.5 | 6.8 | 3.1 | 7.2 | 1.4 | 3.2 | 8.5 | 12.6 |
| 02:00 | 4.0 | 9.1 | 4.2 | 9.1 | 1.9 | 4.1 | 9.8 | 16.9 |
| 03:00 | 3.6 | 8.1 | 4.0 | 8.3 | 1.8 | 3.7 | 11.4 | 15.8 |
| 04:00 | 1.8 | 6.3 | 2.2 | 6.4 | 1.0 | 2.9 | 4.8 | 8.5 |
| 05:00 | 2.1 | 7.0 | 2.3 | 7.1 | 1.0 | 3.2 | 4.6 | 11.4 |
| 06:00 | 2.8 | 7.5 | 3.0 | 7.6 | 1.3 | 3.4 | 6.4 | 11.0 |
| 07:00 | 2.1 | 6.3 | 2.3 | 6.4 | 1.0 | 2.9 | 6.0 | 9.4 |
| 08:00 | 1.5 | 6.2 | 1.9 | 6.4 | .8 | 2.9 | 5.7 | 11.9 |
| 09:00 | 2.8 | 9.8 | 3.1 | 9.9 | 1.4 | 4.5 | 14.7 | 18.5 |
| 10:00 | 6.6 | 14.3 | 7.1 | 14.5 | 3.2 | 6.5 | 20.6 | 25.9 |
| 11:00 | 10.3 | 20.3 | 10.8 | 20.5 | 4.8 | 9.2 | 24.7 | 33.2 |
| 12:00 | 10.0 | 18.8 | 10.4 | 18.9 | 4.6 | 8.5 | 27.2 | 30.0 |
| 13:00 | 9.6 | 18.4 | 10.1 | 18.6 | 4.5 | 8.4 | 25.4 | 30.7 |
| 14:00 | 12.4 | 23.0 | 13.0 | 23.3 | 5.8 | 10.4 | 29.1 | 36.9 |
| 15:00 | 8.6 | 16.4 | 10.5 | 18.6 | 4.7 | 8.4 | 30.7 | 38.5 |
| 16:00 | 1.4 | 5.0 | 2.4 | 5.7 | 1.1 | 2.6 | 11.7 | 19.9 |
| 17:00 | 2.1 | 6.5 | 2.6 | 7.1 | 1.2 | 3.2 | 9.4 | 19.0 |
| 18:00 | 1.8 | 6.1 | 2.6 | 7.0 | 1.2 | 3.2 | 12.1 | 15.8 |
| 19:00 | 4.0 | 10.4 | 4.4 | 10.5 | 2.0 | 4.7 | 17.4 | 20.4 |
| 20:00 | 4.5 | 8.7 | 5.0 | 8.9 | 2.2 | 4.0 | 16.0 | 20.2 |
| 21:00 | 3.2 | 6.5 | 3.8 | 6.9 | 1.7 | 3.1 | 11.9 | 13.3 |
| 22:00 | 1.8 | 2.8 | 2.4 | 3.7 | 1.1 | 1.7 | 6.6 | 8.7 |
| 23:00 | 2.2 | 3.7 | 2.7 | 3.9 | 1.2 | 1.8 | 8.7 | 9.8 |
| Avg | 6.5 | 6.5 | 5.0 | 10.2 | 2.2 | 4.6 | 13.9 | 18.9 |
| Max | 12.4 | 23.0 | 13.0 | 23.3 | 5.8 | 10.4 | 30.7 | 38.5 |
| Hr. of Max | 14 | 14 | 14 | 14 | 14 | 14 | 15 | 15 |
| Min | 1.4 | 2.8 | 1.9 | 3.7 | .8 | 1.7 | 4.6 | 8.5 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | |