Date Printed: 07/17/2015 11:59

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

# Daily Summary Report

Site: Tower "K" (1208)

7/16/2015

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 | DEGF | DEGF | DEGC | DEGC | DEGF | PERCENT | G/M3 |
| 00:00 | 20.2 | 21.6 | 68.4 | 70.9 | 1.4 | 19.9 | 67.8 | 100.2 | 17.2 |
| 01:00 | 19.8 | 21.4 | 67.7 | 70.6 | 1.6 | 19.5 | 67.2 | 100.6 | 16.8 |
| 02:00 | 19.4 | 20.2 | 66.9 | 68.4 | .8 | 19.1 | 66.4 | 100.6 | 16.4 |
| 03:00 | 18.7 | 19.4 | 65.6 | 66.9 | .7 | 18.4 | 65.2 | 100.7 | 15.8 |
| 04:00 | 18.7 | 19.2 | 65.7 | 66.6 | .6 | 18.5 | 65.2 | 100.8 | 15.8 |
| 05:00 | 18.5 | 19.9 | 65.3 | 67.8 | 1.4 | 18.3 | 64.9 | 100.9 | 15.7 |
| 06:00 | 18.4 | 19.7 | 65.2 | 67.5 | 1.3 | 18.2 | 64.8 | 100.9 | 15.6 |
| 07:00 | 19.0 | 20.1 | 66.3 | 68.2 | 1.1 | 18.1 | 64.6 | 96.6 | 15.5 |
| 08:00 | 21.2 | 21.0 | 70.1 | 69.9 | -.1 | 15.2 | 59.3 | 70.2 | 12.8 |
| 09:00 | 24.1 | 23.5 | 75.3 | 74.3 | -.6 | 15.7 | 60.3 | 61.0 | 13.1 |
| 10:00 | 25.3 | 24.7 | 77.5 | 76.5 | -.6 | 15.6 | 60.0 | 56.2 | 12.9 |
| 11:00 | 26.7 | 25.9 | 80.1 | 78.7 | -.8 | 16.1 | 60.9 | 53.5 | 13.3 |
| 12:00 | 27.7 | 27.2 | 81.9 | 80.9 | -.5 | 15.8 | 60.5 | 49.6 | 13.1 |
| 13:00 | 28.8 | 27.9 | 83.9 | 82.2 | -.9 | 16.9 | 62.4 | 49.9 | 14.0 |
| 14:00 | 29.8 | 28.8 | 85.6 | 83.8 | -1.0 | 15.0 | 59.0 | 42.0 | 12.4 |
| 15:00 | 30.3 | 29.4 | 86.5 | 84.9 | -.9 | 13.4 | 56.2 | 36.9 | 11.2 |
| 16:00 | 30.1 | 29.1 | 86.1 | 84.4 | -1.0 | 15.3 | 59.6 | 42.2 | 12.6 |
| 17:00 | 31.0 | 29.6 | 87.8 | 85.3 | -1.4 | 13.2 | 55.8 | 34.8 | 11.0 |
| 18:00 | 30.2 | 29.9 | 86.4 | 85.9 | -.3 | 12.7 | 54.8 | 35.2 | 10.7 |
| 19:00 | 29.2 | 28.8 | 84.5 | 83.8 | -.4 | 17.1 | 62.8 | 49.8 | 14.2 |
| 20:00 | 28.1 | 27.8 | 82.6 | 82.1 | -.3 | 20.2 | 68.4 | 64.7 | 17.2 |
| 21:00 | 25.6 | 26.5 | 78.1 | 79.7 | .9 | 22.7 | 72.8 | 86.5 | 20.1 |
| 22:00 | 24.0 | 25.1 | 75.2 | 77.1 | 1.1 | 23.0 | 73.4 | 97.1 | 20.6 |
| 23:00 | 23.1 | 24.0 | 73.5 | 75.2 | .9 | 22.7 | 72.8 | 100.5 | 20.2 |
| Avg | 24.5 | 24.6 | 76.1 | 76.3 | .1 | 17.5 | 63.5 | 72.1 | 14.9 |
| Max | 31.0 | 29.9 | 87.8 | 85.9 | 1.6 | 23.0 | 73.4 | 100.9 | 20.6 |
| Hr. of Max | 17 | 18 | 17 | 18 | 01 | 22 | 22 | 06 | 22 |
| Min | 18.4 | 19.2 | 65.2 | 66.6 | -1.4 | 12.7 | 54.8 | 34.8 | 10.7 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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# Daily Summary Report

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7/16/2015

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 | 0.0151 | 0.0151 | 23.3 | 23.8 | 2443210.5 | .0 | .00 | .00 | -2.7 |
| 01:00 | 0.0148 | 0.0147 | 22.8 | 23.2 | 2444239.5 | .0 | .00 | .00 | -2.6 |
| 02:00 | 0.0144 | 0.0143 | 22.2 | 22.5 | 2445286.1 | .0 | .00 | .00 | -2.8 |
| 03:00 | 0.0138 | 0.0137 | 21.3 | 21.6 | 2446889.7 | .0 | .00 | .00 | -2.7 |
| 04:00 | 0.0138 | 0.0137 | 21.3 | 21.6 | 2446883.5 | .0 | .00 | .00 | -2.8 |
| 05:00 | 0.0137 | 0.0136 | 21.1 | 21.3 | 2447340.9 | .0 | .00 | .00 | -3.1 |
| 06:00 | 0.0136 | 0.0135 | 21.0 | 21.2 | 2447537.2 | .0 | .00 | .00 | 3.8 |
| 07:00 | 0.0135 | 0.014 | 20.8 | 22.1 | 2446062.5 | .0 | .00 | .00 | 127.3 |
| 08:00 | 0.0112 | 0.016 | 17.3 | 25.2 | 2440994.4 | .0 | .00 | .00 | 280.4 |
| 09:00 | 0.0116 | 0.019 | 18.0 | 30.1 | 2434138.1 | .0 | .00 | .00 | 501.7 |
| 10:00 | 0.0115 | 0.0205 | 17.8 | 32.3 | 2431245.2 | .0 | .00 | .00 | 662.2 |
| 11:00 | 0.0119 | 0.0223 | 18.4 | 35.1 | 2427881.2 | .0 | .00 | .00 | 788.8 |
| 12:00 | 0.0117 | 0.0236 | 18.2 | 37.3 | 2425479.8 | .0 | .00 | .00 | 825.3 |
| 13:00 | 0.0126 | 0.0252 | 19.5 | 39.8 | 2422825.2 | .0 | .00 | .00 | 902.4 |
| 14:00 | 0.0112 | 0.0266 | 17.3 | 42.0 | 2420630.3 | .0 | .00 | .00 | 959.8 |
| 15:00 | 0.0101 | 0.0274 | 15.7 | 43.2 | 2419419.5 | .0 | .00 | .00 | 858.9 |
| 16:00 | 0.0114 | 0.0271 | 17.7 | 42.8 | 2419881.4 | .0 | .00 | .00 | 442.0 |
| 17:00 | 0.01 | 0.0286 | 15.4 | 45.1 | 2417693.0 | .0 | .00 | .00 | 553.8 |
| 18:00 | 0.0096 | 0.0274 | 14.9 | 43.1 | 2419540.1 | .0 | .00 | .00 | 302.8 |
| 19:00 | 0.0128 | 0.0257 | 19.8 | 40.5 | 2422060.4 | .0 | .00 | .00 | 150.5 |
| 20:00 | 0.0156 | 0.0243 | 23.9 | 38.2 | 2424508.0 | .0 | .00 | .00 | 46.4 |
| 21:00 | 0.0181 | 0.0209 | 27.7 | 33.0 | 2430451.9 | .0 | .00 | .00 | -1.5 |
| 22:00 | 0.0184 | 0.019 | 28.2 | 29.9 | 2434297.0 | .0 | .00 | .00 | -2.5 |
| 23:00 | 0.018 | 0.0179 | 27.6 | 28.3 | 2436507.9 | .0 | .00 | .00 | -2.6 |
| Avg | 0.0133 | 0.0202 | 20.5 | 31.8 | 2433125.1 | .0 | .00 | .00 | 307.6 |
| Max | 0.0184 | 0.0286 | 28.2 | 45.1 | 2447537.2 | .0 | .00 | .00 | 959.8 |
| Hr. of Max | 22 | 17 | 22 | 17 | 06 | 23 | 23 | 23 | 14 |
| Min | 0.0096 | 0.0135 | 14.9 | 21.2 | 2417693.0 | .0 | .00 | .00 | -3.1 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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# Daily Summary Report

Site: Tower "K" (1208)

7/16/2015

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 | 28.96 | 980.7 | 154 | 21 | 185 | 21 | 54 | 27 |
| 01:00 | .00 | 28.94 | 980.2 | 71 | 42 | 74 | 42 | 42 | 26 |
| 02:00 | .00 | 28.93 | 979.6 | 66 | 62 | 95 | 62 | 44 | 5 |
| 03:00 | .00 | 28.91 | 979.2 | 324 | 60 | 311 | 60 | 41 | 4 |
| 04:00 | .00 | 28.91 | 979.1 | 228 | 62 | 202 | 62 | 48 | 14 |
| 05:00 | .00 | 28.92 | 979.5 | 17 | 55 | 15 | 55 | 61 | 7 |
| 06:00 | .01 | 28.95 | 980.4 | 50 | 65 | 61 | 65 | 49 | 7 |
| 07:00 | .18 | 28.97 | 981.0 | 213 | 63 | 162 | 63 | 39 | 10 |
| 08:00 | .40 | 28.98 | 981.4 | 248 | 62 | 258 | 62 | 39 | 20 |
| 09:00 | .72 | 28.99 | 981.8 | 47 | 64 | 59 | 64 | 62 | 19 |
| 10:00 | .95 | 29.00 | 981.9 | 60 | 61 | 64 | 61 | 43 | 28 |
| 11:00 | 1.13 | 28.98 | 981.5 | 53 | 64 | 66 | 64 | 55 | 28 |
| 12:00 | 1.18 | 28.97 | 981.2 | 26 | 85 | 47 | 85 | 63 | 29 |
| 13:00 | 1.29 | 28.96 | 980.9 | 90 | 66 | 90 | 66 | 52 | 30 |
| 14:00 | 1.38 | 28.95 | 980.5 | 90 | 86 | 81 | 86 | 69 | 47 |
| 15:00 | 1.23 | 28.95 | 980.4 | 62 | 33 | 65 | 33 | 74 | 54 |
| 16:00 | .63 | 28.95 | 980.3 | 131 | 136 | 150 | 136 | 52 | 25 |
| 17:00 | .79 | 28.93 | 979.8 | 153 | 122 | 132 | 122 | 51 | 22 |
| 18:00 | .43 | 28.93 | 979.6 | 311 | 282 | 313 | 282 | 58 | 21 |
| 19:00 | .22 | 28.93 | 979.7 | 132 | 276 | 159 | 276 | 31 | 40 |
| 20:00 | .07 | 28.93 | 979.8 | 223 | 214 | 219 | 214 | 48 | 17 |
| 21:00 | .00 | 28.94 | 980.0 | 237 | 207 | 171 | 207 | 53 | 40 |
| 22:00 | .00 | 28.96 | 980.7 | 185 | 136 | 193 | 136 | 30 | 30 |
| 23:00 | .00 | 28.97 | 981.0 | 264 | 80 | 329 | 80 | 41 | 10 |
| Avg | .44 | 28.95 | 980.4 | 95 | 71 | 0 | 0 | 50 | 23 |
| Max | 1.38 | 29.00 | 981.9 | 324 | 282 | 329 | 282 | 74 | 54 |
| Hr. of Max | 14 | 10 | 10 | 03 | 18 | 23 | 18 | 15 | 15 |
| Min | .00 | 28.91 | 979.1 | 17 | 21 | 15 | 21 | 30 | 4 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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# Daily Summary Report

Site: Tower "K" (1208)

7/16/2015

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 | .6 | 1.1 | .5 | .5 | .3 | 3.4 | 3.4 |
| 01:00 | 1.7 | 2.6 | 1.8 | 2.6 | .8 | 1.2 | 6.4 | 4.8 |
| 02:00 | .4 | 2.7 | .9 | 2.7 | .4 | 1.2 | 2.7 | 4.6 |
| 03:00 | .1 | 1.2 | .8 | 1.2 | .3 | .5 | 2.5 | 4.4 |
| 04:00 | .1 | 2.9 | .3 | 2.9 | .1 | 1.3 | 3.2 | 6.2 |
| 05:00 | .4 | 4.6 | 1.1 | 4.5 | .5 | 2.1 | 3.9 | 6.9 |
| 06:00 | .7 | 4.2 | 1.4 | 4.2 | .6 | 1.9 | 3.4 | 6.9 |
| 07:00 | .1 | 2.1 | .6 | 2.1 | .3 | 1.0 | 3.7 | 6.2 |
| 08:00 | .5 | .5 | .6 | .4 | .3 | .2 | 2.1 | 3.2 |
| 09:00 | 1.0 | 2.5 | 1.6 | 2.6 | .7 | 1.2 | 6.6 | 8.5 |
| 10:00 | 1.7 | 3.3 | 2.2 | 3.3 | 1.0 | 1.5 | 6.4 | 7.6 |
| 11:00 | 1.6 | 2.7 | 2.2 | 2.7 | 1.0 | 1.2 | 8.0 | 5.7 |
| 12:00 | .9 | 2.8 | 2.0 | 2.8 | .9 | 1.3 | 8.2 | 9.8 |
| 13:00 | 1.8 | 1.6 | 2.4 | 2.1 | 1.1 | 1.0 | 9.4 | 6.2 |
| 14:00 | 1.2 | .5 | 2.0 | .7 | .9 | .3 | 8.0 | 6.2 |
| 15:00 | .8 | .3 | 1.8 | .8 | .8 | .3 | 7.1 | 6.6 |
| 16:00 | .8 | .9 | 1.9 | 1.9 | .8 | .8 | 6.0 | 4.4 |
| 17:00 | .7 | .7 | 2.2 | 2.2 | 1.0 | 1.0 | 6.0 | 4.6 |
| 18:00 | .4 | .1 | .9 | .9 | .4 | .4 | 3.9 | 3.9 |
| 19:00 | .4 | .1 | 1.4 | 1.4 | .6 | .6 | 3.9 | 3.2 |
| 20:00 | .8 | 1.1 | 1.5 | 1.1 | .7 | .5 | 4.4 | 4.1 |
| 21:00 | .2 | .1 | .5 | .5 | .2 | .2 | 2.1 | 2.3 |
| 22:00 | .2 | .2 | .2 | .2 | .1 | .1 | 1.4 | 1.5 |
| 23:00 | .2 | .2 | .5 | .5 | .2 | .2 | 2.5 | 2.5 |
| Avg | 1.6 | 1.6 | 1.3 | 1.8 | .6 | .8 | 4.8 | 5.2 |
| Max | 1.8 | 4.6 | 2.4 | 4.5 | 1.1 | 2.1 | 9.4 | 9.8 |
| Hr. of Max | 13 | 05 | 13 | 05 | 13 | 05 | 13 | 12 |
| Min | .1 | .1 | .2 | .2 | .1 | .1 | 1.4 | 1.5 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | |