Date Printed: 05/28/2016 07:54

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

# Daily Summary Report

Site: Tower "K" (1208)

5/26/2016

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 | 19.1 | 22.2 | 66.3 | 72.0 | 3.2 | 17.8 | 64.1 | 94.6 | 15.2 |
| 01:00 | 18.3 | 21.4 | 65.0 | 70.5 | 3.0 | 17.3 | 63.1 | 95.5 | 14.7 |
| 02:00 | 18.0 | 21.1 | 64.3 | 70.1 | 3.2 | 16.8 | 62.2 | 94.6 | 14.2 |
| 03:00 | 17.4 | 20.0 | 63.2 | 67.9 | 2.6 | 16.6 | 61.9 | 97.2 | 14.1 |
| 04:00 | 17.5 | 20.7 | 63.6 | 69.2 | 3.1 | 16.7 | 62.0 | 96.6 | 14.2 |
| 05:00 | 17.7 | 20.3 | 63.9 | 68.5 | 2.5 | 16.9 | 62.5 | 96.9 | 14.4 |
| 06:00 | 17.8 | 19.5 | 64.1 | 67.2 | 1.7 | 17.1 | 62.8 | 97.6 | 14.6 |
| 07:00 | 17.9 | 18.9 | 64.2 | 65.9 | 1.0 | 17.2 | 63.0 | 97.8 | 14.7 |
| 08:00 | 18.2 | 18.5 | 64.8 | 65.4 | .3 | 17.6 | 63.6 | 98.0 | 15.0 |
| 09:00 | 18.4 | 18.6 | 65.1 | 65.5 | .2 | 17.8 | 64.0 | 98.1 | 15.1 |
| 10:00 | 19.1 | 18.8 | 66.4 | 65.8 | -.3 | 18.4 | 65.2 | 97.9 | 15.8 |
| 11:00 | 21.6 | 20.4 | 70.8 | 68.7 | -1.2 | 16.5 | 61.7 | 74.7 | 13.9 |
| 12:00 | 24.0 | 22.6 | 75.1 | 72.7 | -1.4 | 16.0 | 60.7 | 62.2 | 13.3 |
| 13:00 | 25.9 | 24.5 | 78.7 | 76.1 | -1.5 | 15.7 | 60.3 | 54.7 | 13.0 |
| 14:00 | 27.0 | 25.4 | 80.6 | 77.8 | -1.5 | 14.7 | 58.5 | 48.3 | 12.2 |
| 15:00 | 27.9 | 26.2 | 82.2 | 79.1 | -1.7 | 13.3 - | 56.0 - | 41.8 | 11.2 - |
| 16:00 | 28.6 | 26.8 | 83.4 | 80.3 | -1.7 | 11.9 | 53.5 | 36.8 | 10.2 |
| 17:00 | 28.6 | 27.2 | 83.6 | 81.0 | -1.4 | 11.5 | 52.7 | 35.5 | 9.9 |
| 18:00 | 28.1 | 27.1 | 82.6 | 80.8 | -1.0 | 12.3 | 54.2 | 38.6 | 10.5 |
| 19:00 | 26.4 | 26.4 | 79.5 | 79.6 | .0 | 16.6 | 61.8 | 56.8 | 13.8 |
| 20:00 | 24.9 | 25.7 | 76.8 | 78.2 | .8 | 18.1 | 64.7 | 68.0 | 15.2 |
| 21:00 | 23.1 | 23.6 | 73.6 | 74.5 | .5 | 18.3 | 65.0 | 76.3 | 15.5 |
| 22:00 | 22.3 | 22.8 | 72.2 | 73.0 | .5 | 17.9 | 64.2 | 77.7 | 15.1 |
| 23:00 | 21.3 | 22.1 | 70.4 | 71.7 | .7 | 17.9 | 64.2 | 82.5 | 15.1 |
| Avg | 22.0 | 22.5 | 71.7 | 72.6 | .5 | 16.3 | 61.3 | 75.8 | 13.8 |
| Max | 28.6 | 27.2 | 83.6 | 81.0 | 3.2 | 18.4 | 65.2 | 98.1 | 15.8 |
| Hr. of Max | 17 | 17 | 17 | 17 | 02 | 10 | 10 | 09 | 10 |
| Min | 17.4 | 18.5 | 63.2 | 65.4 | -1.7 | 11.5 | 52.7 | 35.5 | 9.9 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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# Daily Summary Report

Site: Tower "K" (1208)

5/26/2016

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 | 0.0132 | 0.0139 | 20.5 | 22.1 | 2445994.1 | .0 | .00 | .00 | -2.7 |
| 01:00 | 0.0127 | 0.0133 | 19.8 | 21.1 | 2447727.8 | .0 | .00 | .00 | -3.0 |
| 02:00 | 0.0123 | 0.013 | 19.1 | 20.7 | 2448601.9 | .0 | .00 | .00 | -3.0 |
| 03:00 | 0.0122 | 0.0125 | 18.9 | 19.9 | 2450064.9 | .0 | .00 | .00 | -3.0 |
| 04:00 | 0.0122 | 0.0126 | 19.0 | 20.1 | 2449642.2 | .0 | .00 | .00 | -2.9 |
| 05:00 | 0.0124 | 0.0128 | 19.3 | 20.4 | 2449134.7 | .0 | .00 | .00 | -3.0 |
| 06:00 | 0.0126 | 0.0129 | 19.6 | 20.5 | 2448924.9 | .3 | .01 | .01 | .3 |
| 07:00 | 0.0126 | 0.0129 | 19.7 | 20.5 | 2448831.1 | 1.5 | .06 | .06 | 13.2 |
| 08:00 | 0.0129 | 0.0131 | 20.1 | 20.9 | 2448053.3 | 3.8 | .15 | .15 | 39.1 |
| 09:00 | 0.0131 | 0.0133 | 20.4 | 21.2 | 2447609.4 | 1.0 | .04 | .04 | 52.1 |
| 10:00 | 0.0136 | 0.0139 | 21.2 | 22.2 | 2445912.2 | .0 | .00 | .00 | 222.3 |
| 11:00 | 0.0121 | 0.0162 | 18.9 | 25.9 | 2440027.6 | .0 | .00 | .00 | 587.9 |
| 12:00 | 0.0117 | 0.0188 | 18.3 | 29.9 | 2434356.5 | .0 | .00 | .00 | 907.9 |
| 13:00 | 0.0115 | 0.0211 | 18.0 | 33.6 | 2429723.2 | .0 | .00 | .00 | 942.1 |
| 14:00 | 0.0108 | 0.0225 | 16.9 | 35.7 | 2427219.4 | .0 | .00 | .00 | 838.6 |
| 15:00 | 0.0099 - | 0.0237 - | 15.5 - | 37.7 | 2425008.8 | .0 | .00 | .00 | 841.1 |
| 16:00 | 0.0091 | 0.0247 | 14.2 | 39.2 | 2423470.0 | .0 | .00 | .00 | 700.2 |
| 17:00 | 0.0088 | 0.0248 | 13.8 | 39.4 | 2423263.0 | .0 | .00 | .00 | 523.4 |
| 18:00 | 0.0093 | 0.0241 | 14.5 | 38.2 | 2424523.7 | .0 | .00 | .00 | 334.5 |
| 19:00 | 0.0123 | 0.0218 | 19.1 | 34.5 | 2428617.2 | .0 | .00 | .00 | 75.6 |
| 20:00 | 0.0135 | 0.0199 | 21.0 | 31.6 | 2432208.4 | .0 | .00 | .00 | 4.0 |
| 21:00 | 0.0136 | 0.0179 | 21.2 | 28.4 | 2436411.6 | .0 | .00 | .00 | -2.4 |
| 22:00 | 0.0132 | 0.0171 | 20.6 | 27.1 | 2438239.1 | .0 | .00 | .00 | -2.6 |
| 23:00 | 0.0132 | 0.0161 | 20.6 | 25.5 | 2440590.0 | .0 | .00 | .00 | -2.5 |
| Avg | 0.012 | 0.0172 | 18.8 | 27.3 | 2438923.1 | .3 | .01 | .01 | 252.4 |
| Max | 0.0136 | 0.0248 | 21.2 | 39.4 | 2450064.9 | 3.8 | .15 | .15 | 942.1 |
| Hr. of Max | 21 | 17 | 21 | 17 | 03 | 08 | 08 | 08 | 13 |
| Min | 0.0088 | 0.0125 | 13.8 | 19.9 | 2423263.0 | .0 | .00 | .00 | -3.0 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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# Daily Summary Report

Site: Tower "K" (1208)

5/26/2016

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 | 29.17 | 987.7 | 22 | 159 | 29 | 156 | 49 | 11 |
| 01:00 | .00 | 29.16 | 987.6 | 40 | 291 | 61 | 304 | 40 | 19 |
| 02:00 | .00 | 29.17 | 987.8 | 45 | 335 | 74 | 299 | 40 | 47 |
| 03:00 | .00 | 29.18 | 988.2 | 41 | 106 | 42 | 96 | 48 | 64 |
| 04:00 | .00 | 29.19 | 988.7 | 31 | 323 | 72 | 329 | 36 | 27 |
| 05:00 | .00 | 29.21 | 989.1 | 296 | 233 | 201 | 231 | 82 | 12 |
| 06:00 | .00 | 29.23 | 989.7 | 49 | 257 | 104 | 257 | 56 | 19 |
| 07:00 | .02 | 29.25 | 990.5 | 54 | 298 | 62 | 304 | 25 | 13 |
| 08:00 | .06 | 29.26 | 990.9 | 64 | 2 | 67 | 0 | 16 | 21 |
| 09:00 | .07 | 29.25 | 990.5 | 65 | 68 | 77 | 73 | 19 | 20 |
| 10:00 | .32 | 29.24 | 990.3 | 39 | 86 | 59 | 83 | 43 | 47 |
| 11:00 | .84 | 29.25 | 990.6 | 158 | 179 | 187 | 171 | 79 | 44 |
| 12:00 | 1.30 | 29.24 | 990.3 | 118 | 142 | 131 | 142 | 47 | 28 |
| 13:00 | 1.35 | 29.22 | 989.6 | 176 | 163 | 182 | 163 | 69 | 42 |
| 14:00 | 1.20 | 29.20 | 988.8 | 113 | 136 | 118 | 133 | 53 | 34 |
| 15:00 | 1.21 | 29.16 - | 987.7 - | 120 | 132 | 120 | 129 | 51 | 27 |
| 16:00 | 1.00 | 29.14 | 986.9 | 135 | 144 | 144 | 145 | 49 | 21 |
| 17:00 | .75 | 29.13 | 986.5 | 105 | 124 | 109 | 123 | 42 | 23 |
| 18:00 | .48 | 29.12 | 986.2 | 87 | 100 | 88 | 98 | 25 | 17 |
| 19:00 | .11 | 29.13 | 986.4 | 70 | 54 | 73 | 54 | 22 | 5 |
| 20:00 | .01 | 29.13 | 986.5 | 61 | 44 | 69 | 43 | 28 | 8 |
| 21:00 | .00 | 29.11 | 986.0 | 75 | 62 | 80 | 62 | 26 | 6 |
| 22:00 | .00 | 29.12 | 986.2 | 64 | 71 | 72 | 71 | 21 | 6 |
| 23:00 | .00 | 29.12 | 986.2 | 48 | 50 | 63 | 52 | 29 | 8 |
| Avg | .36 | 29.18 | 988.3 | 72 | 97 | 0 | 0 | 41 | 24 |
| Max | 1.35 | 29.26 | 990.9 | 296 | 335 | 201 | 329 | 82 | 64 |
| Hr. of Max | 13 | 08 | 08 | 05 | 02 | 05 | 04 | 05 | 03 |
| Min | .00 | 29.11 | 986.0 | 22 | 2 | 29 | 0 | 16 | 5 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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# Daily Summary Report

Site: Tower "K" (1208)

5/26/2016

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 | .4 | 4.4 | 1.1 | 4.4 | .5 | 2.0 | 3.7 | 8.9 |
| 01:00 | .5 | 2.0 | .7 | 3.3 | .3 | 1.5 | 2.7 | 6.6 |
| 02:00 | .4 | .7 | .9 | 1.3 | .4 | .6 | 3.2 | 4.4 |
| 03:00 | .4 | .3 | .7 | 1.1 | .3 | .5 | 3.0 | 4.6 |
| 04:00 | .4 | .4 | .6 | .5 | .3 | .3 | 3.7 | 3.7 |
| 05:00 | .4 | 3.1 | .7 | 3.1 | .3 | 1.4 | 3.4 | 7.8 |
| 06:00 | .4 | 3.9 | 1.3 | 4.1 | .6 | 1.9 | 3.4 | 8.9 |
| 07:00 | .9 | 3.0 | 1.2 | 3.0 | .6 | 1.4 | 3.4 | 7.8 |
| 08:00 | 2.1 | 5.4 | 2.2 | 6.1 | 1.0 | 2.8 | 4.6 | 8.7 |
| 09:00 | 1.1 | 3.0 | 1.1 | 3.3 | .5 | 1.5 | 6.4 | 9.8 |
| 10:00 | 1.5 | 4.2 | 2.0 | 4.7 | .9 | 2.1 | 6.6 | 10.3 |
| 11:00 | .5 | 1.7 | 1.4 | 2.3 | .6 | 1.0 | 5.5 | 6.6 |
| 12:00 | 1.8 | 3.8 | 2.5 | 4.1 | 1.1 | 1.8 | 9.2 | 11.0 |
| 13:00 | 1.8 | 3.6 | 2.7 | 4.2 | 1.2 | 1.9 | 9.8 | 11.2 |
| 14:00 | 1.9 | 4.0 | 2.5 | 4.5 | 1.1 | 2.0 | 13.5 | 14.2 |
| 15:00 | 2.4 | 6.3 | 3.3 | 6.7 | 1.5 | 3.0 | 12.4 | 16.0 |
| 16:00 | 2.8 | 7.2 | 3.6 | 7.6 | 1.6 | 3.4 | 11.0 | 15.3 |
| 17:00 | 2.4 | 5.6 | 3.0 | 6.1 | 1.3 | 2.7 | 9.8 | 13.7 |
| 18:00 | 2.4 | 4.5 | 2.6 | 4.7 | 1.2 | 2.1 | 7.3 | 9.2 |
| 19:00 | 2.0 | 7.4 | 2.1 | 7.4 | .9 | 3.3 | 5.0 | 9.2 |
| 20:00 | 1.5 | 8.9 | 1.7 | 9.1 | .8 | 4.1 | 4.8 | 15.8 |
| 21:00 | 2.3 | 10.1 | 2.5 | 10.4 | 1.1 | 4.7 | 8.5 | 13.7 |
| 22:00 | 2.1 | 8.7 | 2.2 | 8.8 | 1.0 | 4.0 | 6.4 | 13.3 |
| 23:00 | 1.1 | 5.8 | 1.3 | 5.8 | .6 | 2.6 | 5.0 | 10.5 |
| Avg | 1.7 | 1.7 | 1.8 | 4.8 | .8 | 2.2 | 6.3 | 10.1 |
| Max | 2.8 | 10.1 | 3.6 | 10.4 | 1.6 | 4.7 | 13.5 | 16.0 |
| Hr. of Max | 16 | 21 | 16 | 21 | 16 | 21 | 14 | 15 |
| Min | .4 | .3 | .6 | .5 | .3 | .3 | 2.7 | 3.7 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | |