Date Printed: 04/02/2016 09:36

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

# Daily Summary Report

Site: Tower "K" (1208)

3/31/2016

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 | 17.3 | 17.5 | 63.2 | 63.5 | .2 | 4.2 | 39.5 | 42.3 | 6.2 |
| 01:00 | 17.0 | 17.4 | 62.6 | 63.3 | .4 | 5.3 | 41.5 | 46.8 | 6.7 |
| 02:00 | 16.6 | 17.2 | 61.9 | 63.0 | .6 | 6.5 | 43.7 | 52.0 | 7.3 |
| 03:00 | 16.2 | 16.9 | 61.2 | 62.5 | .7 | 7.5 | 45.5 | 57.2 | 7.8 |
| 04:00 | 16.5 | 17.3 | 61.6 | 63.1 | .8 | 10.0 | 50.0 | 66.6 | 9.3 |
| 05:00 | 18.1 | 17.9 | 64.5 | 64.2 | -.2 | 11.8 | 53.2 | 67.8 | 10.3 |
| 06:00 | 18.3 | 18.1 | 65.0 | 64.6 | -.2 | 11.7 | 53.1 | 66.6 | 10.3 |
| 07:00 | 18.6 | 18.3 | 65.5 | 65.0 | -.3 | 11.4 | 52.6 | 64.1 | 10.1 |
| 08:00 | 18.8 | 18.4 | 65.9 | 65.1 | -.4 | 11.9 | 53.5 | 65.3 | 10.4 |
| 09:00 | 19.2 | 18.6 | 66.5 | 65.5 | -.6 | 12.3 | 54.1 | 65.5 | 10.7 |
| 10:00 | 19.1 | 18.7 | 66.4 | 65.7 | -.4 | 13.5 | 56.3 | 71.8 | 11.5 |
| 11:00 | 16.8 | 16.6 | 62.2 | 62.0 | -.1 | 16.5 | 61.8 | 100.4 | 14.1 |
| 12:00 | 16.9 | 16.5 | 62.4 | 61.7 | -.4 | 16.7 | 62.1 | 100.9 | 14.2 |
| 13:00 | 17.3 | 17.0 | 63.2 | 62.6 | -.3 | 17.1 | 62.8 | 100.9 | 14.6 |
| 14:00 | 17.1 | 16.8 | 62.7 | 62.3 | -.2 | 16.9 | 62.4 | 101.0 | 14.4 |
| 15:00 | 18.0 | 17.4 | 64.5 | 63.3 | -.6 | 17.7 | 63.8 | 99.8 | 15.1 |
| 16:00 | 19.0 | 18.2 | 66.2 | 64.8 | -.8 | 16.3 | 61.3 | 86.2 | 13.8 |
| 17:00 | 19.7 | 18.9 | 67.4 | 66.0 | -.8 | 15.5 | 60.0 | 78.5 | 13.1 |
| 18:00 | 19.7 | 19.2 | 67.4 | 66.6 | -.5 | 15.8 | 60.4 | 79.7 | 13.3 |
| 19:00 | 19.3 | 19.0 | 66.8 | 66.2 | -.3 | 15.1 | 59.2 | 78.1 | 12.8 |
| 20:00 | 18.8 | 18.5 | 65.9 | 65.4 | -.3 | 15.1 | 59.1 | 80.3 | 12.8 |
| 21:00 | 18.4 | 18.2 | 65.1 | 64.7 | -.2 | 15.2 | 59.4 | 83.5 | 12.9 |
| 22:00 | 17.0 | 17.1 | 62.6 | 62.7 | .1 | 16.2 | 61.2 | 97.1 | 13.8 |
| 23:00 | 16.4 | 16.2 | 61.4 | 61.2 | -.1 | 16.2 | 61.2 | 100.9 | 13.8 |
| Avg | 17.9 | 17.7 | 64.3 | 64.0 | -.2 | 13.2 | 55.7 | 77.2 | 11.6 |
| Max | 19.7 | 19.2 | 67.4 | 66.6 | .8 | 17.7 | 63.8 | 101.0 | 15.1 |
| Hr. of Max | 18 | 18 | 18 | 18 | 04 | 15 | 15 | 14 | 15 |
| Min | 16.2 | 16.2 | 61.2 | 61.2 | -.8 | 4.2 | 39.5 | 42.3 | 6.2 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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# Daily Summary Report

Site: Tower "K" (1208)

3/31/2016

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 | 0.0053 | 0.0125 | 8.3 | 19.8 | 2450082.2 | .0 | .00 | .00 | -2.9 |
| 01:00 | 0.0057 | 0.0123 | 9.0 | 19.4 | 2450903.5 | .0 | .00 | .00 | -3.0 |
| 02:00 | 0.0062 | 0.012 | 9.7 | 19.0 | 2451823.4 | .0 | .00 | .00 | -2.8 |
| 03:00 | 0.0067 | 0.0117 | 10.4 | 18.5 | 2452806.9 | .0 | .00 | .00 | -3.0 |
| 04:00 | 0.008 | 0.0119 | 12.4 | 18.8 | 2452211.0 | .0 | .00 | .00 | -3.0 |
| 05:00 | 0.0089 | 0.0132 | 13.9 | 20.8 | 2448362.7 | .0 | .00 | .00 | -3.0 |
| 06:00 | 0.0089 | 0.0134 | 13.8 | 21.1 | 2447765.7 | .0 | .00 | .00 | -2.5 |
| 07:00 | 0.0087 | 0.0136 | 13.6 | 21.5 | 2447083.2 | .0 | .00 | .00 | -.7 |
| 08:00 | 0.009 | 0.0138 | 14.0 | 21.8 | 2446570.3 | .0 | .00 | .00 | 37.3 |
| 09:00 | 0.0093 | 0.0141 | 14.4 | 22.3 | 2445718.1 | .0 | .00 | .00 | 100.2 |
| 10:00 | 0.01 | 0.0141 | 15.6 | 22.2 | 2445929.1 | 1.3 | .05 | .05 | 78.3 |
| 11:00 | 0.0122 | 0.0121 | 18.9 | 19.1 | 2451425.3 | 3.6 | .14 | .14 | 83.5 |
| 12:00 | 0.0123 | 0.0122 | 19.1 | 19.3 | 2451203.0 | 1.8 | .07 | .07 | 162.5 |
| 13:00 | 0.0127 | 0.0126 | 19.6 | 19.8 | 2450181.0 | 1.0 | .04 | .04 | 143.4 |
| 14:00 | 0.0125 | 0.0124 | 19.3 | 19.5 | 2450775.5 | 2.0 | .08 | .08 | 98.9 |
| 15:00 | 0.0132 | 0.0132 | 20.3 | 20.8 | 2448414.9 | .0 | .00 | .00 | 216.1 |
| 16:00 | 0.0121 | 0.014 | 18.6 | 22.0 | 2446182.1 | .0 | .00 | .00 | 207.2 |
| 17:00 | 0.0115 | 0.0146 | 17.7 | 23.0 | 2444530.9 | .0 | .00 | .00 | 186.7 |
| 18:00 | 0.0117 | 0.0146 | 18.0 | 23.0 | 2444526.7 | .0 | .00 | .00 | 63.4 |
| 19:00 | 0.0112 | 0.0143 | 17.3 | 22.5 | 2445363.7 | .0 | .00 | .00 | 18.5 |
| 20:00 | 0.0111 | 0.0139 | 17.2 | 21.8 | 2446577.3 | .0 | .00 | .00 | -2.6 |
| 21:00 | 0.0113 | 0.0135 | 17.4 | 21.2 | 2447612.4 | .0 | .00 | .00 | -2.6 |
| 22:00 | 0.012 | 0.0124 | 18.5 | 19.4 | 2450928.8 | 5.6 | .22 | .22 | -2.7 |
| 23:00 | 0.012 | 0.0119 | 18.5 | 18.6 | 2452438.0 | 4.8 | .19 | .19 | -2.7 |
| Avg | 0.0101 | 0.0131 | 15.6 | 20.6 | 2448725.7 | .8 | .03 | .03 | 56.9 |
| Max | 0.0132 | 0.0146 | 20.3 | 23.0 | 2452806.9 | 5.6 | .22 | .22 | 216.1 |
| Hr. of Max | 15 | 18 | 15 | 18 | 03 | 22 | 22 | 22 | 15 |
| Min | 0.0053 | 0.0117 | 8.3 | 18.5 | 2444526.7 | .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)

3/31/2016

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 | 29.05 | 983.9 | 224 | 213 | 224 | 213 | 26 | 10 |
| 01:00 | .00 | 29.03 | 983.0 | 233 | 207 | 227 | 207 | 21 | 6 |
| 02:00 | .00 | 29.00 | 982.2 | 287 | 207 | 260 | 206 | 41 | 11 |
| 03:00 | .00 | 28.97 | 981.1 | 347 | 214 | 342 | 214 | 38 | 15 |
| 04:00 | .00 | 28.95 | 980.3 | 207 | 199 | 198 | 196 | 39 | 14 |
| 05:00 | .00 | 28.92 | 979.3 | 189 | 190 | 189 | 191 | 19 | 13 |
| 06:00 | .00 | 28.92 | 979.3 | 195 | 200 | 195 | 199 | 19 | 12 |
| 07:00 | .00 | 28.92 | 979.5 | 190 | 192 | 190 | 192 | 19 | 13 |
| 08:00 | .05 | 28.95 | 980.3 | 189 | 191 | 189 | 191 | 20 | 13 |
| 09:00 | .14 | 28.94 | 980.1 | 188 | 189 | 188 | 188 | 19 | 13 |
| 10:00 | .11 | 28.94 | 980.0 | 191 | 193 | 191 | 194 | 20 | 12 |
| 11:00 | .12 | 28.96 | 980.7 | 186 | 193 | 186 | 193 | 19 | 10 |
| 12:00 | .23 | 28.94 | 979.9 | 165 | 175 | 166 | 173 | 29 | 15 |
| 13:00 | .21 | 28.90 | 978.6 | 183 | 187 | 186 | 189 | 18 | 13 |
| 14:00 | .14 | 28.87 | 977.9 | 167 | 173 | 165 | 170 | 17 | 11 |
| 15:00 | .31 | 28.84 | 976.6 | 174 | 172 | 168 | 165 | 32 | 22 |
| 16:00 | .30 | 28.85 | 977.2 | 218 | 219 | 219 | 218 | 23 | 14 |
| 17:00 | .27 | 28.84 | 976.6 | 199 | 205 | 198 | 205 | 19 | 11 |
| 18:00 | .09 | 28.84 | 976.6 | 202 | 207 | 203 | 207 | 17 | 12 |
| 19:00 | .03 | 28.83 | 976.5 | 206 | 208 | 205 | 208 | 21 | 13 |
| 20:00 | .00 | 28.84 | 976.5 | 200 | 207 | 201 | 208 | 19 | 11 |
| 21:00 | .00 | 28.83 | 976.3 | 189 | 200 | 189 | 200 | 19 | 7 |
| 22:00 | .00 | 28.84 | 976.6 | 318 | 278 | 304 | 282 | 36 | 14 |
| 23:00 | .00 | 28.84 | 976.8 | 217 | 226 | 202 | 214 | 52 | 43 |
| Avg | .08 | 28.91 | 979.0 | 203 | 201 | 0 | 0 | 25 | 14 |
| Max | .31 | 29.05 | 983.9 | 347 | 278 | 342 | 282 | 52 | 43 |
| Hr. of Max | 15 | 00 | 00 | 03 | 22 | 03 | 22 | 23 | 23 |
| Min | .00 | 28.83 | 976.3 | 165 | 172 | 165 | 165 | 17 | 6 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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# Daily Summary Report

Site: Tower "K" (1208)

3/31/2016

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 | 1.9 | 7.2 | 2.1 | 7.3 | 1.0 | 3.3 | 7.3 | 14.2 |
| 01:00 | 1.3 | 6.8 | 1.4 | 6.8 | .6 | 3.1 | 4.4 | 10.8 |
| 02:00 | .2 | 5.8 | 1.1 | 5.9 | .5 | 2.7 | 4.4 | 10.5 |
| 03:00 | 1.2 | 4.6 | 1.4 | 4.8 | .6 | 2.2 | 3.9 | 8.7 |
| 04:00 | 3.2 | 10.0 | 3.8 | 10.4 | 1.7 | 4.7 | 14.9 | 21.5 |
| 05:00 | 6.3 | 11.6 | 6.7 | 11.9 | 3.0 | 5.3 | 18.5 | 23.8 |
| 06:00 | 6.8 | 12.9 | 7.1 | 13.2 | 3.2 | 5.9 | 21.3 | 26.3 |
| 07:00 | 9.4 | 16.3 | 9.8 | 16.6 | 4.4 | 7.5 | 25.6 | 30.9 |
| 08:00 | 11.8 | 19.5 | 12.5 | 19.9 | 5.6 | 8.9 | 32.1 | 34.8 |
| 09:00 | 9.0 | 15.2 | 9.5 | 15.5 | 4.2 | 7.0 | 22.0 | 30.7 |
| 10:00 | 7.5 | 13.2 | 7.9 | 13.6 | 3.5 | 6.1 | 19.0 | 24.0 |
| 11:00 | 4.5 | 10.2 | 4.7 | 10.3 | 2.1 | 4.6 | 14.4 | 20.4 |
| 12:00 | 2.8 | 6.3 | 3.1 | 6.6 | 1.4 | 3.0 | 11.7 | 15.6 |
| 13:00 | 14.5 | 24.3 | 15.2 | 24.9 | 6.8 | 11.2 | 44.9 | 58.2 |
| 14:00 | 12.4 | 22.2 | 13.3 | 23.5 | 6.0 | 10.5 | 59.1 | 93.2 |
| 15:00 | 6.5 | 13.0 | 7.6 | 13.9 | 3.4 | 6.2 | 34.1 | 43.3 |
| 16:00 | 4.2 | 7.5 | 4.6 | 7.7 | 2.1 | 3.5 | 13.1 | 15.1 |
| 17:00 | 6.0 | 10.4 | 6.3 | 10.6 | 2.8 | 4.8 | 17.2 | 24.7 |
| 18:00 | 7.2 | 13.4 | 7.6 | 13.7 | 3.4 | 6.1 | 19.7 | 26.1 |
| 19:00 | 5.7 | 10.8 | 6.3 | 11.3 | 2.8 | 5.1 | 15.3 | 22.7 |
| 20:00 | 3.9 | 8.0 | 4.1 | 8.2 | 1.9 | 3.7 | 13.3 | 17.4 |
| 21:00 | 2.8 | 7.0 | 3.0 | 7.0 | 1.3 | 3.1 | 6.6 | 10.8 |
| 22:00 | 1.9 | 6.8 | 2.6 | 7.5 | 1.2 | 3.4 | 17.6 | 21.8 |
| 23:00 | 1.2 | 3.5 | 3.2 | 6.5 | 1.4 | 2.9 | 11.7 | 16.7 |
| Avg | 8.2 | 8.2 | 6.0 | 11.5 | 2.7 | 5.2 | 18.8 | 25.9 |
| Max | 14.5 | 24.3 | 15.2 | 24.9 | 6.8 | 11.2 | 59.1 | 93.2 |
| Hr. of Max | 13 | 13 | 13 | 13 | 13 | 13 | 14 | 14 |
| Min | .2 | 3.5 | 1.1 | 4.8 | .5 | 2.2 | 3.9 | 8.7 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | |