Date Printed: 02/22/2015 07:59

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

# Daily Summary Report

Site: Tower "K" (1208)

2/21/2015

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 | -4.4 | -4.9 | 24.1 | 23.3 | -.5 | -4.9 | 23.1 | 96.3 | 3.4 |
| 01:00 | -3.4 | -3.9 | 26.0 | 25.0 | -.5 | -3.7 | 25.3 | 97.8 | 3.7 |
| 02:00 | -2.7 | -3.1 | 27.1 | 26.5 | -.3 | -3.0 | 26.6 | 98.4 | 3.9 |
| 03:00 | -2.6 | -2.9 | 27.3 | 26.8 | -.3 | -2.8 | 27.0 | 99.0 | 4.0 |
| 04:00 | -1.9 | -2.4 | 28.6 | 27.7 | -.5 | -2.1 | 28.2 | 99.0 | 4.2 |
| 05:00 | -1.5 | -2.0 | 29.2 | 28.4 | -.4 | -2.0 | 28.4 | 97.0 | 4.2 |
| 06:00 | -1.4 | -1.8 | 29.5 | 28.8 | -.4 | -1.6 | 29.0 | 98.6 | 4.3 |
| 07:00 | -1.2 | -1.5 | 29.9 | 29.2 | -.4 | -1.3 | 29.6 | 99.4 | 4.4 |
| 08:00 | -1.1 | -1.5 | 30.1 | 29.4 | -.4 | -1.2 | 29.8 | 99.5 | 4.4 |
| 09:00 | -.8 | -1.2 | 30.5 | 29.9 | -.4 | -1.0 | 30.2 | 99.3 | 4.5 |
| 10:00 | -.4 | -.8 | 31.3 | 30.6 | -.3 | -.8 | 30.6 | 98.0 | 4.6 |
| 11:00 | .0 | -.3 | 32.0 | 31.4 | -.3 | -.3 | 31.5 | 98.7 | 4.7 |
| 12:00 | .1 | -.1 | 32.3 | 31.8 | -.3 | .0 | 32.0 | 99.6 | 4.8 |
| 13:00 | .3 | .1 | 32.5 | 32.2 | -.2 | .2 | 32.3 | 99.6 | 4.9 |
| 14:00 | .3 | .2 | 32.6 | 32.3 | -.2 | .2 | 32.4 | 99.7 | 4.9 |
| 15:00 | .4 | .3 | 32.7 | 32.5 | -.1 | .3 | 32.5 | 99.7 | 4.9 |
| 16:00 | .6 | .5 | 33.0 | 32.8 | -.1 | .4 | 32.8 | 99.7 | 5.0 |
| 17:00 | .6 | .6 | 33.0 | 33.2 | .1 | .5 | 32.8 | 99.8 | 5.0 |
| 18:00 | 1.0 | 1.1 | 33.7 | 33.9 | .1 | .8 | 33.5 | 99.8 | 5.1 |
| 19:00 | 2.2 | 2.7 | 36.0 | 36.8 | .4 | 2.1 | 35.8 | 99.9 | 5.6 |
| 20:00 | 3.8 | 4.3 | 38.8 | 39.8 | .6 | 3.6 | 38.6 | 100.0 | 6.2 |
| 21:00 | 4.3 | 4.5 | 39.7 | 40.1 | .2 | 4.2 | 39.5 | 100.1 | 6.4 |
| 22:00 | 4.0 | 4.0 | 39.2 | 39.2 | .0 | 3.9 | 39.0 | 100.1 | 6.3 |
| 23:00 | 3.3 | 3.6 | 38.0 | 38.5 | .3 | 3.2 | 37.8 | 100.0 | 6.0 |
| Avg | .0 | -.2 | 32.0 | 31.7 | -.2 | -.2 | 31.6 | 99.1 | 4.8 |
| Max | 4.3 | 4.5 | 39.7 | 40.1 | .6 | 4.2 | 39.5 | 100.1 | 6.4 |
| Hr. of Max | 21 | 21 | 21 | 21 | 20 | 21 | 21 | 22 | 21 |
| Min | -4.4 | -4.9 | 24.1 | 23.3 | -.5 | -4.9 | 23.1 | 96.3 | 3.4 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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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 | 0.0027 | 0.0028 | 4.2 | 4.4 | 2501645.4 | 2.2 | .09 | .09 | -4.0 |
| 01:00 | 0.0029 | 0.003 | 4.6 | 4.8 | 2499235.2 | 1.8 | .07 | .16 | -4.0 |
| 02:00 | 0.0031 | 0.0031 | 4.9 | 5.0 | 2497719.4 | 1.0 | .04 | .20 | -4.1 |
| 03:00 | 0.0031 | 0.0032 | 5.0 | 5.0 | 2497402.5 | 1.8 | .07 | .27 | -3.9 |
| 04:00 | 0.0033 | 0.0033 | 5.2 | 5.3 | 2495783.4 | 2.0 | .08 | .35 | -4.0 |
| 05:00 | 0.0033 | 0.0034 | 5.3 | 5.5 | 2494906.9 | 1.8 | .07 | .42 | -4.1 |
| 06:00 | 0.0034 | 0.0035 | 5.4 | 5.5 | 2494525.0 | 1.0 | .04 | .46 | -4.1 |
| 07:00 | 0.0035 | 0.0035 | 5.5 | 5.6 | 2494011.0 | 1.0 | .04 | .50 | -3.1 |
| 08:00 | 0.0035 | 0.0036 | 5.6 | 5.6 | 2493800.4 | .8 | .03 | .53 | 6.9 |
| 09:00 | 0.0036 | 0.0036 | 5.7 | 5.7 | 2493240.2 | 1.5 | .06 | .59 | 36.3 |
| 10:00 | 0.0037 | 0.0037 | 5.8 | 5.9 | 2492245.4 | 1.0 | .04 | .63 | 88.7 |
| 11:00 | 0.0038 | 0.0038 | 6.0 | 6.1 | 2491330.7 | .8 | .03 | .66 | 110.6 |
| 12:00 | 0.0039 | 0.0039 | 6.1 | 6.2 | 2490925.6 | .5 | .02 | .68 | 122.2 |
| 13:00 | 0.0039 | 0.0039 | 6.2 | 6.2 | 2490556.1 | 1.0 | .04 | .72 | 73.9 |
| 14:00 | 0.004 | 0.004 | 6.2 | 6.3 | 2490444.3 | 2.8 | .11 | .83 | 29.2 |
| 15:00 | 0.004 | 0.004 | 6.2 | 6.3 | 2490298.0 | 3.0 | .12 | .95 | 27.5 |
| 16:00 | 0.004 | 0.004 | 6.3 | 6.4 | 2489940.0 | 2.2 | .09 | 1.04 | 13.0 |
| 17:00 | 0.004 | 0.004 | 6.3 | 6.4 | 2489895.8 | 3.3 | .13 | 1.17 | 2.5 |
| 18:00 | 0.0041 | 0.0041 | 6.5 | 6.5 | 2489009.7 | 4.0 | .16 | 1.33 | -3.7 |
| 19:00 | 0.0045 | 0.0045 | 7.1 | 7.2 | 2485962.3 | 4.0 | .16 | 1.49 | -3.9 |
| 20:00 | 0.0051 | 0.0051 | 7.9 | 8.0 | 2482331.1 | 3.7 | .15 | 1.64 | -4.2 |
| 21:00 | 0.0052 | 0.0052 | 8.2 | 8.3 | 2481122.0 | 1.2 | .05 | 1.69 | -4.0 |
| 22:00 | 0.0051 | 0.0051 | 8.1 | 8.1 | 2481800.2 | .5 | .02 | 1.71 | -3.9 |
| 23:00 | 0.0049 | 0.0049 | 7.7 | 7.7 | 2483413.5 | .3 | .01 | 1.72 | -3.9 |
| Avg | 0.0039 | 0.0039 | 6.1 | 6.2 | 2491314.3 | 1.8 | .07 | .83 | 19.0 |
| Max | 0.0052 | 0.0052 | 8.2 | 8.3 | 2501645.4 | 4.0 | .16 | 1.72 | 122.2 |
| Hr. of Max | 21 | 21 | 21 | 21 | 00 | 19 | 19 | 23 | 12 |
| Min | 0.0027 | 0.0028 | 4.2 | 4.4 | 2481122.0 | .3 | .01 | .09 | -4.2 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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# Daily Summary Report

Site: Tower "K" (1208)

2/21/2015

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 | -.01 | 29.27 | 991.3 | 175 | 190 | 175 | 195 | 25 | 19 |
| 01:00 | -.01 | 29.26 | 990.8 | 212 | 224 | 210 | 223 | 23 | 14 |
| 02:00 | -.01 | 29.24 | 990.2 | 254 | 241 | 242 | 238 | 38 | 20 |
| 03:00 | -.01 | 29.20 | 988.8 | 281 | 277 | 324 | 289 | 40 | 20 |
| 04:00 | -.01 | 29.19 | 988.4 | 227 | 239 | 235 | 239 | 22 | 15 |
| 05:00 | -.01 | 29.18 | 988.3 | 237 | 239 | 242 | 239 | 16 | 9 |
| 06:00 | -.01 | 29.16 | 987.6 | 229 | 229 | 229 | 229 | 18 | 13 |
| 07:00 | .00 | 29.15 | 987.1 | 254 | 253 | 254 | 253 | 32 | 16 |
| 08:00 | .01 | 29.16 | 987.5 | 253 | 254 | 253 | 254 | 18 | 10 |
| 09:00 | .05 | 29.16 | 987.6 | 246 | 253 | 246 | 253 | 29 | 15 |
| 10:00 | .13 | 29.15 | 987.1 | 244 | 241 | 244 | 241 | 20 | 14 |
| 11:00 | .16 | 29.13 | 986.3 | 243 | 246 | 243 | 246 | 20 | 10 |
| 12:00 | .18 | 29.09 | 985.0 | 232 | 257 | 232 | 257 | 32 | 12 |
| 13:00 | .11 | 29.05 | 983.9 | 250 | 267 | 250 | 267 | 29 | 9 |
| 14:00 | .04 | 29.03 | 983.1 | 248 | 279 | 298 | 279 | 37 | 11 |
| 15:00 | .04 | 29.02 | 982.6 | 250 | 282 | 309 | 287 | 57 | 11 |
| 16:00 | .02 | 29.01 | 982.4 | 227 | 289 | 343 | 289 | 69 | 16 |
| 17:00 | .00 | 29.01 | 982.5 | 327 | 306 | 352 | 306 | 76 | 11 |
| 18:00 | -.01 | 29.04 | 983.5 | 354 | 316 | 348 | 316 | 44 | 11 |
| 19:00 | -.01 | 29.09 | 985.3 | 151 | 262 | 128 | 267 | 41 | 20 |
| 20:00 | -.01 | 29.09 | 985.1 | 163 | 189 | 162 | 187 | 17 | 11 |
| 21:00 | -.01 | 29.09 | 985.2 | 142 | 212 | 191 | 216 | 42 | 34 |
| 22:00 | -.01 | 29.08 | 984.8 | 116 | 121 | 120 | 137 | 42 | 28 |
| 23:00 | -.01 | 29.07 | 984.3 | 23 | 358 | 36 | 343 | 56 | 48 |
| Avg | .03 | 29.12 | 986.2 | 234 | 253 | 0 | 0 | 35 | 17 |
| Max | .18 | 29.27 | 991.3 | 354 | 358 | 352 | 343 | 76 | 48 |
| Hr. of Max | 12 | 00 | 00 | 18 | 23 | 17 | 23 | 17 | 23 |
| Min | -.01 | 29.01 | 982.4 | 23 | 121 | 36 | 137 | 16 | 9 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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# Daily Summary Report

Site: Tower "K" (1208)

2/21/2015

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 | 1.3 | 2.6 | 1.9 | 3.1 | .8 | 1.4 | 4.6 | 6.4 |
| 01:00 | 1.8 | 3.6 | 2.0 | 3.6 | .9 | 1.6 | 5.5 | 8.9 |
| 02:00 | 1.6 | 3.9 | 2.4 | 4.1 | 1.1 | 1.9 | 6.2 | 9.2 |
| 03:00 | .5 | -999.0 | .7 | 2.3 | .3 | 1.0 | 5.5 | 7.6 |
| 04:00 | 2.4 | -999.0 | 2.6 | 5.0 | 1.1 | 2.3 | 11.7 | 14.7 |
| 05:00 | -999.0 | -999.0 | 2.5 | 5.6 | 1.1 | 2.6 | 6.4 | 17.6 |
| 06:00 | -999.0 | -999.0 | 2.2 | 4.4 | 1.0 | 2.0 | 5.0 | 9.6 |
| 07:00 | -999.0 | -999.0 | 2.0 | 3.8 | .9 | 1.6 | 6.0 | 6.2 |
| 08:00 | -999.0 | -999.0 | 3.5 | 5.5 | 1.5 | 2.5 | 10.1 | 14.0 |
| 09:00 | -999.0 | -999.0 | 4.1 | 7.0 | 1.9 | 3.2 | 10.3 | 14.0 |
| 10:00 | -999.0 | -999.0 | 4.2 | 7.2 | 1.9 | 3.3 | 9.8 | 13.5 |
| 11:00 | -999.0 | -999.0 | 3.3 | 5.8 | 1.5 | 2.6 | 9.4 | 13.0 |
| 12:00 | -999.0 | -999.0 | 2.6 | 4.8 | 1.2 | 2.2 | 8.9 | 12.5 |
| 13:00 | -999.0 | -999.0 | 3.7 | 5.7 | 1.6 | 2.5 | 8.2 | 11.4 |
| 14:00 | .3 | -999.0 | 2.5 | 5.3 | 1.1 | 2.4 | 6.6 | 10.5 |
| 15:00 | .2 | -999.0 | 1.7 | 4.1 | .8 | 1.9 | 6.9 | 9.6 |
| 16:00 | .2 | -999.0 | 1.4 | 4.8 | .6 | 2.2 | 6.0 | 10.3 |
| 17:00 | .6 | -999.0 | .9 | 4.0 | .4 | 1.8 | 3.9 | 9.6 |
| 18:00 | 1.4 | 2.8 | 2.1 | 6.2 | .9 | 2.8 | 7.3 | 26.1 |
| 19:00 | 1.3 | 3.4 | 2.2 | 4.1 | 1.0 | 1.9 | 6.0 | 11.7 |
| 20:00 | 7.6 | 16.0 | 8.0 | 16.3 | 3.6 | 7.3 | 20.2 | 34.1 |
| 21:00 | .7 | 3.2 | 2.7 | 5.8 | 1.2 | 2.6 | 14.4 | 24.7 |
| 22:00 | 1.3 | 3.2 | 1.9 | 3.6 | .9 | 1.6 | 6.2 | 13.1 |
| 23:00 | .6 | 1.7 | .7 | 1.9 | .3 | .9 | 3.0 | 6.0 |
| Avg | 2.2 | 2.2 | 2.6 | 5.1 | 1.2 | 2.3 | 7.8 | 13.1 |
| Max | 7.6 | 16.0 | 8.0 | 16.3 | 3.6 | 7.3 | 20.2 | 34.1 |
| Hr. of Max | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Min | -999.0 | -999.0 | .7 | 1.9 | .3 | .9 | 3.0 | 6.0 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | |