Date Printed: 09/08/2015 05:46

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

# Daily Summary Report

Site: Tower "A" (7900 Area)

9/7/2015

Interval: 001h

| | 01_TempC_010m | 02_TempC_030m | 03_TempF_010m | 04_TempF_030m | 05_VT Grad | 06_DewPtC_010m | 07_DewPtF_010m | 08_RH_010m | 09_AbsHum_010m |
|---|---|---|---|---|---|---|---|---|---|
| Hour | DEGC | DEGC | DEGC | DEGF | DEGC | DEGC | DEGF | PERCENT | G/M3 |
| 00:00 | 20.5 | 21.2 | 68.8 | 70.1 | .7 | 19.5 | 67.1 | 96.3 | 16.8 |
| 01:00 | 19.8 | 20.5 | 67.7 | 68.8 | .6 | 19.1 | 66.4 | 97.7 | 16.4 |
| 02:00 | 19.4 | 20.0 | 66.9 | 68.0 | .6 | 18.7 | 65.7 | 98.3 | 16.1 |
| 03:00 | 19.0 | 19.5 | 66.3 | 67.0 | .4 | 18.5 | 65.2 | 98.5 | 15.8 |
| 04:00 | 18.7 | 19.1 | 65.7 | 66.4 | .4 | 18.2 | 64.7 | 98.7 | 15.5 |
| 05:00 | 18.8 | 19.2 | 65.8 | 66.6 | .4 | 18.2 | 64.8 | 98.6 | 15.6 |
| 06:00 | 18.8 | 19.2 | 65.8 | 66.5 | .4 | 18.3 | 64.9 | 99.0 | 15.6 |
| 07:00 | 18.7 | 19.1 | 65.7 | 66.3 | .3 | 18.3 | 64.9 | 99.3 | 15.6 |
| 08:00 | 19.5 | 19.3 | 67.1 | 66.7 | -.2 | 18.0 | 64.5 | 93.7 | 15.4 |
| 09:00 | 21.8 | 21.4 | 71.2 | 70.6 | -.4 | 17.0 | 62.6 | 75.9 | 14.3 |
| 10:00 | 24.0 | 23.5 | 75.1 | 74.4 | -.4 | 17.0 | 62.6 | 66.6 | 14.2 |
| 11:00 | 25.7 | 25.3 | 78.3 | 77.5 | -.5 | 16.6 | 61.8 | 58.5 | 13.8 |
| 12:00 | 27.2 | 26.8 | 81.0 | 80.2 | -.4 | 14.9 | 58.8 | 48.2 | 12.4 |
| 13:00 | 28.1 | 27.7 | 82.5 | 81.9 | -.3 | 15.6 | 60.2 | 48.1 | 12.9 |
| 14:00 | 29.0 | 28.6 | 84.2 | 83.4 | -.4 | 16.5 | 61.6 | 48.0 | 13.6 |
| 15:00 | 29.5 | 29.1 | 85.1 | 84.4 | -.4 | 16.2 | 61.2 | 45.9 | 13.4 |
| 16:00 | 29.0 | 28.7 | 84.1 | 83.7 | -.2 | 16.9 | 62.4 | 49.8 | 14.0 |
| 17:00 | 27.4 | 27.5 | 81.2 | 81.5 | .2 | 19.5 | 67.0 | 64.0 | 16.4 |
| 18:00 | 28.4 | 28.5 | 83.1 | 83.4 | .1 | 18.2 | 64.8 | 55.7 | 15.2 |
| 19:00 | 26.2 | 27.0 | 79.2 | 80.6 | .8 | 18.9 | 66.1 | 66.1 | 15.9 |
| 20:00 | 23.9 | 25.1 | 75.1 | 77.3 | 1.2 | 19.9 | 67.9 | 80.5 | 17.1 |
| 21:00 | 22.6 | 24.1 | 72.8 | 75.3 | 1.4 | 20.2 | 68.3 | 88.2 | 17.4 |
| 22:00 | 21.8 | 22.3 | 71.2 | 72.1 | .5 | 20.1 | 68.1 | 92.3 | 17.3 |
| 23:00 | 21.2 | 21.4 | 70.1 | 70.6 | .3 | 19.9 | 67.8 | 94.8 | 17.2 |
| Avg | 23.3 | 23.5 | 73.9 | 74.3 | .2 | 18.1 | 64.6 | 77.6 | 15.3 |
| Max | 29.5 | 29.1 | 85.1 | 84.4 | 1.4 | 20.2 | 68.3 | 99.3 | 17.4 |
| Hr. of Max | 15 | 15 | 15 | 15 | 21 | 21 | 21 | 07 | 21 |
| Min | 18.7 | 19.1 | 65.7 | 66.3 | -.5 | 14.9 | 58.8 | 45.9 | 12.4 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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# Daily Summary Report

Site: Tower "A" (7900 Area)

9/7/2015

Interval: 001h

| | 10_MixRatio_010m | 1_Sat Mix Ratio_010 | 12_VaporPr_010m | 3_Sat Vapor_Pr_010 | 14_LHV_010m | 15_Precip_mm | 16_Precip_In | 17_BarPres_In | 18_BarPres_Mb |
|---|---|---|---|---|---|---|---|---|---|
| Hour | COUNT | COUNT | KPa | KPa | None | MM | INCHES | INHG | KPa |
| 00:00 | 0.014635 | 0.015194 | 22.7 | 24.13 | 2442673.8 | .0 | .00 | 29.17 | 987.8 |
| 01:00 | 0.014277 | 0.014613 | 22.2 | 23.21 | 2444168.2 | .0 | .00 | 29.17 | 987.7 |
| 02:00 | 0.013959 | 0.014199 | 21.7 | 22.54 | 2445272.5 | .0 | .00 | 29.16 | 987.5 |
| 03:00 | 0.013707 | 0.013915 | 21.3 | 22.09 | 2446050.0 | .0 | .00 | 29.15 | 987.3 |
| 04:00 | 0.013442 | 0.013626 | 20.9 | 21.64 | 2446827.3 | .0 | .00 | 29.17 | 987.8 |
| 05:00 | 0.013496 | 0.013688 | 21.0 | 21.74 | 2446644.0 | .0 | .00 | 29.18 | 988.1 |
| 06:00 | 0.01353 | 0.013668 | 21.0 | 21.72 | 2446681.2 | .0 | .00 | 29.19 | 988.5 |
| 07:00 | 0.013525 | 0.013621 | 21.0 | 21.66 | 2446791.0 | .0 | .00 | 29.21 | 989.1 |
| 08:00 | 0.013338 | 0.014273 | 20.8 | 22.71 | 2445013.2 | .0 | .00 | 29.22 | 989.5 |
| 09:00 | 0.012473 | 0.01647 | 19.5 | 26.21 | 2439519.2 | .0 | .00 | 29.23 | 989.8 |
| 10:00 | 0.012494 | 0.018768 | 19.5 | 29.87 | 2434387.7 | .0 | .00 | 29.23 | 989.8 |
| 11:00 | 0.012185 | 0.02086 | 19.0 | 33.20 | 2430190.2 | .0 | .00 | 29.23 | 989.9 |
| 12:00 | 0.010964 | 0.022749 | 17.1 | 36.20 | 2426697.6 | .0 | .00 | 29.23 | 989.7 |
| 13:00 | 0.011515 | 0.023944 | 18.0 | 38.08 | 2424637.5 | .0 | .00 | 29.21 | 989.2 |
| 14:00 | 0.012155 | 0.025297 | 18.9 | 40.19 | 2422429.3 | .0 | .00 | 29.18 | 988.3 |
| 15:00 | 0.011974 | 0.026093 | 18.6 | 41.42 | 2421195.7 | .0 | .00 | 29.16 | 987.4 |
| 16:00 | 0.01255 | 0.025299 | 19.5 | 40.13 | 2422510.2 | .0 | .00 | 29.13 | 986.6 |
| 17:00 | 0.014713 | 0.02305 | 22.8 | 36.54 | 2426322.6 | .0 | .00 | 29.11 | 985.9 |
| 18:00 | 0.013639 | 0.0245 | 21.2 | 38.83 | 2423838.0 | .0 | .00 | 29.11 | 985.7 |
| 19:00 | 0.014209 | 0.021547 | 22.0 | 34.15 | 2429059.0 | .0 | .00 | 29.11 | 985.8 |
| 20:00 | 0.015116 | 0.018812 | 23.4 | 29.82 | 2434443.3 | .0 | .00 | 29.11 | 985.8 |
| 21:00 | 0.015341 | 0.017394 | 23.7 | 27.58 | 2437491.5 | .0 | .00 | 29.13 | 986.3 |
| 22:00 | 0.015198 | 0.016466 | 23.5 | 26.12 | 2439611.5 | .0 | .00 | 29.13 | 986.6 |
| 23:00 | 0.015053 | 0.015872 | 23.3 | 25.18 | 2441027.7 | .0 | .00 | 29.14 | 986.8 |
| Avg | 0.013479 | 0.018497 | 20.9 | 29.37 | 2435978.4 | .0 | .00 | 29.17 | 987.8 |
| Max | 0.015341 | 0.026093 | 23.7 | 41.42 | 2446827.3 | .0 | .00 | 29.23 | 989.9 |
| Hr. of Max | 21 | 15 | 21 | 15 | 04 | 23 | 23 | 12 | 11 |
| Min | 0.010964 | 0.013621 | 17.1 | 21.64 | 2421195.7 | .0 | .00 | 29.11 | 985.7 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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# Daily Summary Report

Site: Tower "A" (7900 Area)

9/7/2015

Interval: 001h

| | 22_WDir_030m | 24_VWDir_030m | 26_Sigma_030m | 28_RWSpd_030m | 30_WSpd_030m | 32_WSpdms_030m | 36_PkWsH_030m | 37_WetBulbC |
|---|---|---|---|---|---|---|---|---|
| Hour | DEG | DEG | DEG | MPH | MPH | M/SEC | MPH | DEGC |
| 00:00 | 299 | 297 | 45.9 | -58.7 | 1.3 | .6 | 7.8 | 19.8 |
| 01:00 | 263 | 269 | 28.6 | -58.7 | 1.7 | .7 | 9.2 | 19.3 |
| 02:00 | 45 | 52 | 47.8 | -58.7 | .6 | .3 | 4.1 | 19.0 |
| 03:00 | 251 | 256 | 33.2 | -58.6 | .9 | .4 | 5.7 | 18.7 |
| 04:00 | 249 | 252 | 27.5 | -58.6 | .6 | .3 | 3.2 | 18.3 |
| 05:00 | 77 | 70 | 34.2 | -58.7 | 1.3 | .6 | 4.8 | 18.4 |
| 06:00 | 77 | 76 | 11.6 | -58.7 | 3.5 | 1.6 | 11.0 | 18.4 |
| 07:00 | 59 | 57 | 12.8 | -58.6 | 3.1 | 1.4 | 8.5 | 18.4 |
| 08:00 | 75 | 73 | 20.0 | -58.3 | 2.2 | 1.0 | 8.9 | 18.5 |
| 09:00 | 87 | 92 | 34.4 | -57.9 | 1.6 | .7 | 7.8 | 18.6 |
| 10:00 | 99 | 102 | 35.0 | -58.6 | 2.8 | 1.2 | 11.7 | 19.3 |
| 11:00 | 34 | 37 | 61.7 | -58.9 | 2.8 | 1.2 | 14.4 | 19.6 |
| 12:00 | 290 | 291 | 67.6 | -58.8 | 3.1 | 1.4 | 13.7 | 19.0 |
| 13:00 | 204 | 186 | 55.8 | -58.7 | 3.0 | 1.3 | 14.7 | 19.8 |
| 14:00 | 56 | 60 | 57.3 | -59.2 | 3.8 | 1.7 | 16.3 | 20.6 |
| 15:00 | 66 | 67 | 49.1 | -59.2 | 4.0 | 1.8 | 16.7 | 20.6 |
| 16:00 | 36 | 36 | 36.9 | -59.2 | 4.2 | 1.9 | 14.4 | 20.9 |
| 17:00 | 87 | 72 | 24.7 | -58.7 | 1.7 | .7 | 8.5 | 22.1 |
| 18:00 | 43 | 85 | 39.5 | -58.5 | .6 | .3 | 5.3 | 21.6 |
| 19:00 | 170 | 189 | 33.4 | -58.8 | .4 | .2 | 3.2 | 21.3 |
| 20:00 | 281 | 285 | 21.3 | -58.7 | .6 | .3 | 3.0 | 21.3 |
| 21:00 | 57 | 149 | 40.2 | -58.6 | .8 | .4 | 4.1 | 21.0 |
| 22:00 | 248 | 252 | 29.4 | -58.5 | 1.6 | .7 | 7.3 | 20.6 |
| 23:00 | 255 | 258 | 17.1 | -58.5 | 1.6 | .7 | 7.1 | 20.3 |
| Avg | 50 | 245 | 36.0 | 10.8 | 2.0 | .9 | 8.8 | 19.8 |
| Max | 299 | 297 | 67.6 | -57.9 | 4.2 | 1.9 | 16.7 | 22.1 |
| Hr. of Max | 00 | 00 | 12 | 09 | 16 | 16 | 15 | 17 |
| Min | 34 | 36 | 11.6 | -59.2 | .4 | .2 | 3.0 | 18.3 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | |