Date Printed: 2/6/2018 07:54

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

# Daily Summary Report

Site: Tower "A" (7900 Area)

2/4/2018

Interval: 001h

| | 01_TempC_015m | 02_TempC_030m | 03_TempF_015m | 04_TempF_030m | 05_VT Grad | 06_DewPtC_015m | 07_DewPtF_015m | 08_RH_015m | 09_AbsHum_015m |
|---|---|---|---|---|---|---|---|---|---|
| Hour | DEGC | DEGC | DEGF | DEGF | DEGC | DEGC | DEGF | PERCENT | G/M3 |
| 00:00 | 4.8 | 5.4 | 40.7 | 41.7 | .6 | -10.5 | 13.2 | 32.5 | 2.2 |
| 01:00 | 3.3 | 4.2 | 37.9 | 39.5 | .9 | -6.4 | 20.4 | 49.6 | 3.0 |
| 02:00 | 3.1 | 4.3 | 37.5 | 39.8 | 1.3 | -5.3 | 22.5 | 54.9 | 3.3 |
| 03:00 | 2.5 | 3.9 | 36.5 | 39.1 | 1.4 | -3.5 | 25.6 | 65.9 | 3.8 |
| 04:00 | .9 | 2.2 | 33.6 | 35.9 | 1.3 | .3 | 32.5 | 96.6 | 4.9 |
| 05:00 | .8 | 1.4 | 33.4 | 34.6 | .7 | .3 | 32.6 | 97.4 | 5.0 |
| 06:00 | .7 | 1.3 | 33.3 | 34.4 | .6 | .3 | 32.5 | 97.6 | 4.9 |
| 07:00 | .6 | 1.2 | 33.0 | 34.2 | .6 | .2 | 32.3 | 97.6 | 4.9 |
| 08:00 | 1.1 | 1.3 | 34.0 | 34.3 | .2 | .2 | 32.4 | 97.6 | 4.9 |
| 09:00 | 1.5 | 1.5 | 34.7 | 34.7 | .0 | .5 | 32.8 | 97.6 | 5.0 |
| 10:00 | 2.0 | 1.9 | 35.6 | 35.5 | -.1 | 1.1 | 33.9 | 97.7 | 5.2 |
| 11:00 | 2.6 | 2.5 | 36.8 | 36.5 | -.1 | 1.7 | 35.1 | 97.7 | 5.4 |
| 12:00 | 3.3 | 3.1 | 38.0 | 37.7 | -.2 | 2.4 | 36.3 | 97.7 | 5.7 |
| 13:00 | 4.4 | 4.3 | 40.0 | 39.7 | -.1 | 3.6 | 38.5 | 97.6 | 6.2 |
| 14:00 | 6.0 | 5.8 | 42.8 | 42.4 | -.2 | 5.1 | 41.1 | 97.3 | 6.8 |
| 15:00 | 6.4 | 6.2 | 43.4 | 43.1 | -.2 | 5.5 | 41.9 | 97.3 | 7.0 |
| 16:00 | 6.5 | 6.4 | 43.6 | 43.4 | -.1 | 5.6 | 42.1 | 97.3 | 7.1 |
| 17:00 | 6.1 D | 6.3 | 42.9 D | 43.3 | .2 D | 5.5 D | 42.0 D | 97.4 | 7.0 D |
| 18:00 | 6.2 | 6.3 | 43.2 | 43.4 | .1 | 5.6 | 42.1 | 96.6 | 7.1 |
| 19:00 | 6.3 | 6.5 | 43.4 | 43.6 | .1 | 3.9 | 39.0 | 85.1 | 6.3 |
| 20:00 | 6.0 | 6.2 | 42.8 | 43.2 | .2 | 3.8 | 38.8 | 86.4 | 6.2 |
| 21:00 | 5.8 | 6.0 | 42.4 | 42.8 | .2 | 3.6 | 38.4 | 86.5 | 6.1 |
| 22:00 | 5.1 | 5.6 | 41.2 | 42.0 | .5 | 3.6 | 38.5 | 91.1 | 6.2 |
| 23:00 | 5.0 | 5.4 | 41.0 | 41.7 | .4 | 3.2 | 37.8 | 89.1 | 6.0 |
| Avg | 3.8 | 4.1 | 38.8 | 39.4 | .3 | 1.3 | 34.3 | 87.6 | 5.4 |
| Max | 6.5 | 6.5 | 43.6 | 43.6 | 1.4 | 5.6 | 42.1 | 97.7 | 7.1 |
| Hr. of Max | 16 | 19 | 16 | 19 | 03 | 18 | 18 | 12 | 18 |
| Min | .6 | 1.2 | 33.0 | 34.2 | -.2 | -10.5 | 13.2 | 32.5 | 2.2 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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OAK RIDGE NATIONAL LABORATORY
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# Daily Summary Report

Site: Tower "A" (7900 Area)

2/4/2018

Interval: 001h

| | 10_MixRatio_015m | 1_Sat Mix Ratio_015 | 12_VaporPr_015m | 3_Sat Vapor_Pr_015 | 14_LHV_015m | 14a_WetBulbC | 15_Precip_mm | 16_Precip_In | 17_BarPres_In |
|---|---|---|---|---|---|---|---|---|---|
| Hour | COUNT | COUNT | KPa | KPa | None | DEGC | MM | INCHES | INHG |
| 00:00 | 0.001771 | 0.005444 | 2.8 | 8.63 | 2479764.7 | -5.4 | .0 | .00 | 29.15 |
| 01:00 | 0.002414 | 0.004873 | 3.8 | 7.73 | 2483480.0 | -3.2 | .0 | .00 | 29.12 |
| 02:00 | 0.002632 | 0.0048 | 4.2 | 7.62 | 2483969.9 | -2.5 | .0 | .00 | 29.11 |
| 03:00 | 0.003027 | 0.004638 | 4.8 | 7.34 | 2485261.5 | -1.5 | 1.9 | .08 | 29.09 |
| 04:00 | 0.003972 | 0.004113 | 6.2 | 6.51 | 2489206.4 | .5 | 3.2 | .13 | 29.06 |
| 05:00 | 0.003991 | 0.004096 | 6.3 | 6.46 | 2489429.5 | .5 | 2.3 | .09 | 29.03 |
| 06:00 | 0.003975 | 0.004071 | 6.2 | 6.43 | 2489572.4 | .4 | 3.2 | .13 | 29.01 |
| 07:00 | 0.003946 | 0.004042 | 6.2 | 6.37 | 2489888.0 | .3 | 4.7 | .19 | 28.99 |
| 08:00 | 0.00395 | 0.004047 | 6.2 | 6.39 | 2489784.8 | .3 | 4.0 | .16 | 28.98 |
| 09:00 | 0.004032 | 0.00413 | 6.3 | 6.51 | 2489165.5 | .6 | 2.6 | .10 | 28.94 |
| 10:00 | 0.004227 | 0.004328 | 6.6 | 6.80 | 2487736.9 | 1.2 | .1 | .00 | 28.95 |
| 11:00 | 0.004422 | 0.004528 | 6.9 | 7.12 | 2486212.3 | 1.8 | .5 | .02 | 28.96 |
| 12:00 | 0.00463 | 0.00474 | 7.2 | 7.48 | 2484612.2 | 2.5 | .4 | .02 | 28.95 |
| 13:00 | 0.005082 | 0.005206 | 7.9 | 8.19 | 2481576.6 | 3.8 | .0 | .00 | 28.92 |
| 14:00 | 0.005622 | 0.005776 | 8.8 | 9.08 | 2478036.4 | 5.2 | .0 | .00 | 28.90 |
| 15:00 | 0.005788 | 0.005952 | 9.0 | 9.37 | 2476985.0 | 5.7 | .0 | .00 | 28.91 |
| 16:00 | 0.005849 | 0.006011 | 9.1 | 9.47 | 2476623.8 | 5.8 | .0 | .00 | 28.93 |
| 17:00 | 0.005805 D | 0.005961 D | 9.1 D | 9.39 D | 2476904.1 D | 5.7 D | .0 | .00 | 28.98 |
| 18:00 | 0.00582 | 0.006022 | 9.1 | 9.50 | 2476505.5 | 5.8 | .0 | .00 | 29.02 |
| 19:00 | 0.005166 | 0.006073 | 8.1 | 9.59 | 2476195.4 | 4.7 | .0 | .00 | 29.05 |
| 20:00 | 0.005103 | 0.005905 | 8.0 | 9.35 | 2477046.6 | 4.5 | .0 | .00 | 29.07 |
| 21:00 | 0.005028 | 0.005815 | 7.9 | 9.21 | 2477556.4 | 4.3 | .0 | .00 | 29.08 |
| 22:00 | 0.005056 | 0.005553 | 7.9 | 8.79 | 2479171.2 | 4.1 | .0 | .00 | 29.08 |
| 23:00 | 0.004907 | 0.005514 | 7.7 | 8.73 | 2479401.3 | 3.8 | .0 | .00 | 29.10 |
| Avg | 0.004426 | 0.005068 | 6.9 | 8.00 | 2482670.3 | 2.0 | 1.0 | .04 | 29.02 |
| Max | 0.005849 | 0.006073 | 9.1 | 9.59 | 2489888.0 | 5.8 | 4.7 | .19 | 29.15 |
| Hr. of Max | 16 | 19 | 18 | 19 | 07 | 18 | 07 | 07 | 00 |
| Min | 0.001771 | 0.004042 | 2.8 | 6.37 | 2476195.4 | -5.4 | .0 | .00 | 28.90 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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# Daily Summary Report

Site: Tower "A" (7900 Area)

2/4/2018

Interval: 001h

| | 18_BarPres_Mb | 21_WDir_015m | 22_WDir_030m | 23_VWDir_015m | 24_VWDir_030m | 25_Sigma_015m | 26_Sigma_030m | 27_RWSpd_015m | 28_RWSpd_030m |
|---|---|---|---|---|---|---|---|---|---|
| Hour | KPa | DEG | DEG | DEG | DEG | DEG | DEG | MPH | MPH |
| 00:00 | 986.9 | 241 | 242 | 239 | 240 | 37.3 | 19.4 | 2.8 | 4.8 |
| 01:00 | 986.1 | 68 | 73 | 66 | 71 | 17.0 | 13.3 | 2.9 | 3.6 |
| 02:00 | 985.7 | 50 | 353 | 49 | 353 | 57.8 | 45.9 | 1.0 | 1.0 |
| 03:00 | 985.2 | 252 | 246 | 255 | 245 | 49.3 | 29.5 | 1.1 | 3.0 |
| 04:00 | 984.1 | 54 | 79 | 53 | 78 | 54.6 | 45.9 | 1.6 | 1.3 |
| 05:00 | 983.2 | 292 | 288 | 302 | 307 | 51.0 | 38.9 | .6 | 1.0 |
| 06:00 | 982.5 | 58 | 55 | 69 | 61 | 43.6 | 41.1 | 1.1 | 1.3 |
| 07:00 | 981.9 | 46 | 37 | 46 | 34 | 51.8 | 40.3 | 1.2 | 1.6 |
| 08:00 | 981.2 | 48 | 52 | 54 | 55 | 37.9 | 32.2 | 1.9 | 2.9 |
| 09:00 | 980.0 | 29 | 32 | 45 | 44 | 46.2 | 38.8 | 2.1 | 2.8 |
| 10:00 | 980.3 | 289 | 299 | 282 | 291 | 37.1 | 23.8 | 1.4 | 2.4 |
| 11:00 | 980.6 | 253 | 263 | 253 | 264 | 32.8 | 23.4 | 2.2 | 3.6 |
| 12:00 | 980.3 | 233 | 240 | 233 | 239 | 25.2 | 18.2 | 2.9 | 3.9 |
| 13:00 | 979.3 | 232 | 233 | 232 | 235 | 35.7 | 30.9 | 2.5 | 3.5 |
| 14:00 | 978.7 | 201 | 206 | 199 | 205 | 24.3 | 21.9 | 3.8 | 4.5 |
| 15:00 | 979.0 | 242 | 248 | 241 | 247 | 27.5 | 17.5 | 2.7 | 4.4 |
| 16:00 | 979.7 | 261 | 264 | 260 | 266 | 31.4 | 18.8 | 1.8 | 3.4 |
| 17:00 | 981.3 | 269 | 269 | 267 | 268 | 32.2 | 20.2 | 3.0 | 5.5 |
| 18:00 | 982.6 | 262 | 263 | 266 | 266 | 29.8 | 16.3 | 2.9 | 5.1 |
| 19:00 | 983.7 | 262 | 273 | 266 | 275 | 34.3 | 20.3 | 2.6 | 4.8 |
| 20:00 | 984.5 | 257 | 257 | 256 | 257 | 20.4 | 11.7 | 2.2 | 4.4 |
| 21:00 | 984.7 | 247 | 243 | 245 | 239 | 40.0 | 20.1 | 1.3 | 2.7 |
| 22:00 | 984.8 | 238 | 251 | 244 | 253 | 46.2 | 18.8 | 1.2 | 3.3 |
| 23:00 | 985.4 | 279 | 281 | 284 | 285 | 28.8 | 21.7 | 4.3 | 6.8 |
| Avg | 982.6 | 270 | 274 | 358 | 358 | 37.2 | 26.2 | .4 | .4 |
| Max | 986.9 | 292 | 353 | 302 | 353 | 57.8 | 45.9 | 4.3 | 6.8 |
| Hr. of Max | 00 | 05 | 02 | 05 | 02 | 02 | 04 | 23 | 23 |
| Min | 978.7 | 29 | 32 | 45 | 34 | 17.0 | 11.7 | .6 | 1.0 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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# Daily Summary Report

Site: Tower "A" (7900 Area)

2/4/2018

Interval: 001h

| | 29_WSpd_015m | 30_WSpd_030m | 31_WSpdms_015m | 32_WSpdms_030m | 33_WElev_015m | 34_WElev_030m | 35_VSSpd_015m | 36_VSSpd_030m | 37_VSSpdms_015m |
|---|---|---|---|---|---|---|---|---|---|
| Hour | MPH | MPH | M/SEC | M/SEC | DEG | DEG | MPH | MPH | M/SEC |
| 00:00 | 3.3 | 5.2 | 1.5 | 2.3 | 1.7 | 1.1 | -.02 | -.06 | -.01 |
| 01:00 | 3.1 | 3.7 | 1.4 | 1.6 | -2.2 | -1.7 | -.13 | -.10 | -.06 |
| 02:00 | 1.4 | 1.8 | .6 | .8 | -.8 | 2.2 | -.03 | .06 | -.01 |
| 03:00 | 2.0 | 3.2 | .9 | 1.4 | -2.6 | .3 | -.12 | -.05 | -.06 |
| 04:00 | 2.1 | 2.4 | .9 | 1.1 | -.8 | .0 | -.07 | -.03 | -.03 |
| 05:00 | 1.4 | 2.0 | .6 | .9 | -.8 | -.4 | -.02 | -.01 | -.01 |
| 06:00 | 1.5 | 1.8 | .7 | .8 | 2.1 | 2.4 | .06 | .06 | .03 |
| 07:00 | 1.5 | 1.9 | .7 | .9 | 2.1 | 1.4 | .00 | -.01 | .00 |
| 08:00 | 2.4 | 3.3 | 1.1 | 1.5 | 2.1 | -1.7 | .03 | -.10 | .01 |
| 09:00 | 3.9 | 5.0 | 1.8 | 2.2 | -.1 | -.6 | .00 | -.11 | .00 |
| 10:00 | 2.0 | 3.0 | .9 | 1.3 | .8 | .4 | -.07 | -.02 | -.03 |
| 11:00 | 2.5 | 3.9 | 1.1 | 1.7 | -.1 | 1.7 | -.10 | .02 | -.04 |
| 12:00 | 3.2 | 4.1 | 1.4 | 1.8 | 2.3 | 2.8 | .00 | .09 | .00 |
| 13:00 | 2.9 | 3.9 | 1.3 | 1.7 | 2.7 | 3.7 | .02 | .12 | .01 |
| 14:00 | 4.2 | 5.0 | 1.9 | 2.2 | 6.5 | 5.6 | .44 | .46 | .19 |
| 15:00 | 3.0 | 4.7 | 1.4 | 2.1 | 1.8 | 1.5 | -.06 | .01 | -.03 |
| 16:00 | 2.2 | 3.7 | 1.0 | 1.6 | .2 | 1.0 | -.11 | -.02 | -.05 |
| 17:00 | 3.5 | 5.8 | 1.5 | 2.6 | 2.9 | 2.3 | -.02 | .03 | -.01 |
| 18:00 | 3.4 | 5.5 | 1.5 | 2.5 | -1.3 | -.9 | -.26 | -.23 | -.11 |
| 19:00 | 3.1 | 5.2 | 1.4 | 2.3 | -.3 | .4 | -.13 | -.07 | -.06 |
| 20:00 | 2.4 | 4.5 | 1.1 | 2.0 | -2.1 | -.6 | -.15 | -.08 | -.07 |
| 21:00 | 1.6 | 2.9 | .7 | 1.3 | .8 | 1.7 | -.02 | .03 | -.01 |
| 22:00 | 1.6 | 3.4 | .7 | 1.5 | .4 | 2.3 | -.04 | .07 | -.02 |
| 23:00 | 4.9 | 7.5 | 2.2 | 3.4 | -.4 | -.5 | -.32 | -.29 | -.14 |
| Avg | 2.6 | 3.9 | 1.2 | 1.7 | .6 | 1.0 | -.05 | -.01 | -.02 |
| Max | 4.9 | 7.5 | 2.2 | 3.4 | 6.5 | 5.6 | .44 | .46 | .19 |
| Hr. of Max | 23 | 23 | 23 | 23 | 14 | 14 | 14 | 14 | 14 |
| Min | 1.4 | 1.8 | .6 | .8 | -2.6 | -1.7 | -.32 | -.29 | -.14 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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# Daily Summary Report

Site: Tower "A" (7900 Area)

2/4/2018

Interval: 001h

| | 38_VSSpdms_030m | 40_PkWsQ_015m | 42_PkWsH_015m | 43_PkWsH_030m | 44_SigPhi_015m | 45_SigPhi_030m | 46_SonicTemp_015m | 47_SonicTemp_030m |
|---|---|---|---|---|---|---|---|---|
| Hour | M/SEC | MPH | MPH | MPH | DEG | DEG | DEGC | DEGC |
| 00:00 | -.03 | | 13.3 | 16.6 | 19.4 | 14.1 | 4.9 | 5.0 |
| 01:00 | -.04 | | 5.5 | 6.2 | 7.4 | 7.9 | 3.5 | 3.8 |
| 02:00 | .03 | | 4.6 | 4.7 | 12.7 | 12.1 | 3.3 | 4.0 |
| 03:00 | -.02 | | 9.6 | 10.6 | 17.6 | 16.9 | 3.3 | 3.7 |
| 04:00 | -.01 | | 6.1 | 7.0 | 12.1 | 11.1 | 1.4 | 2.0 |
| 05:00 | -.01 | | 3.6 | 4.0 | 11.2 | 9.9 | 1.2 | 1.3 |
| 06:00 | .03 | | 3.8 | 4.7 | 16.3 | 13.8 | 1.1 | 1.1 |
| 07:00 | -.01 | | 4.1 | 4.8 | 18.1 | 16.9 | 1.1 | 1.0 |
| 08:00 | -.04 | | 5.1 | 6.6 | 15.5 | 11.2 | 1.1 | 1.1 |
| 09:00 | -.05 | | 13.1 | 15.2 | 12.7 | 10.1 | 1.4 | 1.4 |
| 10:00 | -.01 | | 7.2 | 8.0 | 21.2 | 15.4 | 1.9 | 1.8 |
| 11:00 | .01 | | 7.2 | 9.7 | 19.9 | 14.8 | 2.5 | 2.4 |
| 12:00 | .04 | | 7.4 | 8.5 | 18.9 | 15.0 | 3.1 | 3.1 |
| 13:00 | .05 | | 7.5 | 9.4 | 23.9 | 18.6 | 4.4 | 4.3 |
| 14:00 | .21 | | 10.4 | 10.7 | 17.6 | 17.0 | 5.8 | 5.7 |
| 15:00 | .01 | | 8.8 | 9.4 | 21.1 | 13.9 | 6.3 | 6.2 |
| 16:00 | -.01 | | 5.9 | 8.0 | 21.1 | 13.2 | 6.5 | 6.4 |
| 17:00 | .02 | | 10.2 | 11.9 | 19.5 | 14.5 | 6.4 | 6.4 |
| 18:00 | -.10 | | 17.2 | 19.6 | 18.5 | 12.1 | 6.4 | 6.4 |
| 19:00 | -.03 | | 13.2 | 14.9 | 20.3 | 13.3 | 6.4 | 6.5 |
| 20:00 | -.04 | | 6.6 | 9.6 | 13.1 | 7.8 | 6.0 | 6.2 |
| 21:00 | .01 | | 5.9 | 6.8 | 14.9 | 9.9 | 5.9 | 6.0 |
| 22:00 | .03 | | 5.9 | 7.7 | 16.5 | 12.8 | 5.3 | 5.6 |
| 23:00 | -.13 | | 16.0 | 21.0 | 19.1 | 15.0 | 5.2 | 5.3 |
| Avg | .00 | | 8.3 | 9.8 | 17.0 | 13.2 | 3.9 | 4.0 |
| Max | .21 | | 17.2 | 21.0 | 23.9 | 18.6 | 6.5 | 6.5 |
| Hr. of Max | 14 | | 18 | 23 | 13 | 13 | 16 | 19 |
| Min | -.13 | | 3.6 | 4.0 | 7.4 | 7.8 | 1.1 | 1.0 |
| Count | 24 | 0 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | |