Date Printed: 12/5/2018 01:31

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

# Daily Summary Report

Site: Tower "D" (1000 Area)

12/4/2018

Interval: 001h

| | 01_TempC_002m | 02_TempC_015m | 03_TempC_035m | 04_TempC_060m | 05_TempF_002m | 06_TempF_015m | 07_TempF_035m | 08_TempF_060m | 09_VTGrad_0215m |
|---|---|---|---|---|---|---|---|---|---|
| Hour | DEGC | DEGC | DEGC | DEGC | DEGF | DEGF | DEGF | DEGF | DEGC |
| 00:00 | 5.4 | 5.4 | 5.2 | 5.1 | 41.7 | 41.7 | 41.4 | 41.3 | .02 |
| 01:00 | 5.1 | 5.1 | 5.0 | 4.9 | 41.3 | 41.3 | 40.9 | 40.8 | .00 |
| 02:00 | 4.8 | 4.9 | 4.7 | 4.6 | 40.7 | 40.8 | 40.5 | 40.3 | .05 |
| 03:00 | 4.7 | 4.7 | 4.5 | 4.5 | 40.4 | 40.5 | 40.2 | 40.0 | .06 |
| 04:00 | 4.4 | 4.4 | 4.2 | 4.1 | 39.8 | 39.9 | 39.6 | 39.4 | .03 |
| 05:00 | 4.0 | 3.9 | 3.8 | 3.7 | 39.1 | 39.1 | 38.8 | 38.6 | -.03 |
| 06:00 | 3.6 | 3.5 | 3.3 | 3.2 | 38.4 | 38.3 | 37.9 | 37.7 | -.07 |
| 07:00 | 3.4 | 3.4 | 3.2 | 3.1 | 38.1 | 38.1 | 37.7 | 37.5 | -.05 |
| 08:00 | 3.5 | 3.4 | 3.2 | 3.1 | 38.3 | 38.1 | 37.7 | 37.5 | -.10 |
| 09:00 | 3.8 | 3.6 | 3.4 | 3.3 | 38.9 | 38.6 | 38.1 | 37.9 | -.19 |
| 10:00 | 4.4 | 4.2 | 3.9 | 3.8 | 40.0 | 39.5 | 39.0 | 38.8 | -.25 |
| 11:00 | 5.0 | 4.7 | 4.4 | 4.3 | 41.0 | 40.4 | 40.0 | 39.7 | -.34 |
| 12:00 | 5.4 | 4.9 | 4.6 | 4.5 | 41.6 | 40.8 | 40.3 | 40.1 | -.45 |
| 13:00 | 5.3 | 4.8 | 4.5 | 4.4 | 41.5 | 40.7 | 40.1 | 39.9 | -.48 |
| 14:00 | 4.8 | 4.5 | 4.3 | 4.1 | 40.6 | 40.2 | 39.7 | 39.4 | -.27 |
| 15:00 | 4.7 | 4.5 | 4.2 | 4.1 | 40.4 | 40.1 | 39.6 | 39.4 | -.19 |
| 16:00 | 4.2 | 4.1 | 3.9 | 3.8 | 39.6 | 39.4 | 39.0 | 38.8 | -.11 |
| 17:00 | 4.0 | 4.0 | 3.8 | 3.7 | 39.2 | 39.2 | 38.9 | 38.7 | .00 |
| 18:00 | 3.7 | 3.7 | 3.6 | 3.5 | 38.7 | 38.8 | 38.5 | 38.3 | .03 |
| 19:00 | 3.2 | 3.1 | 2.9 | 2.8 | 37.7 | 37.7 | 37.3 | 37.1 | -.02 |
| 20:00 | 2.5 | 2.6 | 2.5 | 2.4 | 36.5 | 36.7 | 36.5 | 36.3 | .14 |
| 21:00 | 2.5 | 2.5 | 2.3 | 2.2 | 36.4 | 36.5 | 36.1 | 36.0 | .01 |
| 22:00 | 2.3 | 2.3 | 2.1 | 2.0 | 36.1 | 36.1 | 35.8 | 35.6 | .00 |
| 23:00 | 2.1 | 2.1 | 1.9 | 1.9 | 35.8 | 35.8 | 35.5 | 35.3 | -.01 |
| Avg | 4.0 | 3.9 | 3.7 | 3.6 | 39.2 | 39.1 | 38.7 | 38.5 | -.09 |
| Max | 5.4 | 5.4 | 5.2 | 5.1 | 41.7 | 41.7 | 41.4 | 41.3 | .14 |
| Hr. of Max | 12 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 20 |
| Min | 2.1 | 2.1 | 1.9 | 1.9 | 35.8 | 35.8 | 35.5 | 35.3 | -.48 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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

# Daily Summary Report

Site: Tower "D" (1000 Area)

12/4/2018

Interval: 001h

| | 10_VTGrad_0235m | 11_VTGrad_0260m | 12_VTGrad_1535m | 13_VTGrad_1560m | 14_DewPtC_002m | 15_DewPtC_015m | 16_DewPtF_002m | 17_DewPtF_015m | 17a_WBulbC |
|---|---|---|---|---|---|---|---|---|---|
| Hour | DEGC | DEGC | DEGC | DEGC | DEGC | DEGC | DEGF | DEGF | DEGC |
| 00:00 | -.14 | -.22 | -.16 | -.24 | -1.5 | -1.8 | 29.3 | 28.7 | .6 |
| 01:00 | -.18 | -.28 | -.18 | -.28 | -2.0 | -2.2 | 28.3 | 28.0 | .2 |
| 02:00 | -.12 | -.21 | -.17 | -.26 | -1.2 | -1.5 | 29.8 | 29.2 | .6 |
| 03:00 | -.11 | -.20 | -.17 | -.25 | -1.5 | -2.0 | 29.2 | 28.4 | .2 |
| 04:00 | -.14 | -.22 | -.17 | -.26 | -1.6 | -2.1 | 29.1 | 28.3 | .1 |
| 05:00 | -.21 | -.28 | -.17 | -.25 | -1.2 | -1.4 | 29.9 | 29.5 | .4 |
| 06:00 | -.28 | -.40 | -.21 | -.33 | -.9 | -.7 | 30.5 | 30.7 | .7 |
| 07:00 | -.24 | -.35 | -.19 | -.30 | -.8 | -.7 | 30.6 | 30.7 | .6 |
| 08:00 | -.30 | -.42 | -.20 | -.32 | -1.4 | -1.4 | 29.6 | 29.5 | .2 |
| 09:00 | -.42 | -.54 | -.23 | -.35 | -1.8 | -1.9 | 28.8 | 28.6 | .0 |
| 10:00 | -.51 | -.65 | -.26 | -.40 | -3.0 | -3.1 | 26.7 | 26.5 | -.6 |
| 11:00 | -.59 | -.73 | -.25 | -.38 | -4.2 | -4.2 | 24.4 | 24.4 | -1.3 |
| 12:00 | -.72 | -.87 | -.27 | -.41 | -4.0 | -4.0 | 24.7 | 24.8 | -1.0 |
| 13:00 | -.77 | -.89 | -.29 | -.41 | -3.4 | -3.2 | 25.9 | 26.3 | -.5 |
| 14:00 | -.54 | -.68 | -.27 | -.41 | -3.0 | -2.8 | 26.7 | 26.9 | -.4 |
| 15:00 | -.43 | -.56 | -.25 | -.37 | -2.5 | -2.5 | 27.5 | 27.5 | -.2 |
| 16:00 | -.33 | -.44 | -.22 | -.33 | -2.5 | -2.6 | 27.4 | 27.3 | -.4 |
| 17:00 | -.17 | -.25 | -.18 | -.26 | -2.7 | -2.9 | 27.2 | 26.8 | -.6 |
| 18:00 | -.14 | -.22 | -.16 | -.24 | -2.3 | -2.4 | 27.9 | 27.7 | -.3 |
| 19:00 | -.22 | -.34 | -.20 | -.31 | -2.0 | -1.9 | 28.4 | 28.6 | -.2 |
| 20:00 | -.01 | -.08 | -.15 | -.22 | -1.5 | -1.5 | 29.3 | 29.2 | -.1 |
| 21:00 | -.17 | -.25 | -.18 | -.27 | -1.6 | -1.6 | 29.2 | 29.1 | -.2 |
| 22:00 | -.18 | -.27 | -.18 | -.27 | -1.6 | -1.6 | 29.1 | 29.2 | -.3 |
| 23:00 | -.20 | -.28 | -.19 | -.28 | -1.6 | -1.6 | 29.0 | 29.2 | -.3 |
| Avg | -.30 | -.40 | -.20 | -.31 | -2.1 | -2.2 | 28.3 | 28.1 | -.1 |
| Max | -.01 | -.08 | -.15 | -.22 | -.8 | -.7 | 30.6 | 30.7 | .7 |
| Hr. of Max | 20 | 20 | 20 | 20 | 07 | 07 | 07 | 07 | 06 |
| Min | -.77 | -.89 | -.29 | -.41 | -4.2 | -4.2 | 24.4 | 24.4 | -1.3 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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

# Daily Summary Report

Site: Tower "D" (1000 Area)

12/4/2018

Interval: 001h

| | 18_SoilTempC | 19_RH_002m | 20_RH_015m | 21_AbsHum_002m | 22_AbsHum_015m | 23_Mix Ratio_002m | 24_Mix Ratio_015m | 5_Sat Mix Ratio_002 | 5_Sat Mix Ratio_015 |
|---|---|---|---|---|---|---|---|---|---|
| Hour | DEGC | PERCENT | PERCENT | G/M3 | G/M3 | COUNT | COUNT | COUNT | COUNT |
| 00:00 | 6.3 | 61.8 | 60.3 | 4.3 | 4.2 | 0.003474 | 0.003398 | 0.005624 | 0.005633 |
| 01:00 | 6.6 | 60.3 | 59.4 | 4.1 | 4.1 | 0.00334 | 0.003286 | 0.005537 | 0.005537 |
| 02:00 | 7.2 | 65.3 | 63.7 | 4.4 | 4.3 | 0.003535 | 0.003462 | 0.005412 | 0.005431 |
| 03:00 | 7.2 | 64.6 | 62.3 | 4.3 | 4.1 | 0.003456 | 0.003347 | 0.005348 | 0.005369 |
| 04:00 | 7.1 | 65.6 | 63.4 | 4.2 | 4.1 | 0.003432 | 0.003326 | 0.005234 | 0.005247 |
| 05:00 | 6.9 | 69.6 | 68.7 | 4.4 | 4.3 | 0.003544 | 0.00349 | 0.005091 | 0.005079 |
| 06:00 | 6.2 R | 73.4 | 74.5 | 4.5 | 4.6 | 0.00363 | 0.003669 | 0.004949 | 0.004924 |
| 07:00 | 6.1 R | 74.6 | 75.0 | 4.5 | 4.5 | 0.003651 | 0.003657 | 0.004893 | 0.004876 |
| 08:00 | 5.0 R | 71.1 | 71.4 | 4.3 | 4.3 | 0.003497 | 0.003488 | 0.004918 | 0.004884 |
| 09:00 | 3.3 R | 67.2 | 67.8 | 4.2 | 4.2 | 0.003384 | 0.003369 | 0.005039 | 0.004972 |
| 10:00 | 6.6 | 59.2 | 59.9 | 3.9 | 3.8 | 0.003108 | 0.003087 | 0.005252 | 0.005159 |
| 11:00 | 6.8 | 51.8 | 52.9 | 3.5 | 3.5 | 0.002838 | 0.002831 | 0.005481 | 0.005351 |
| 12:00 | 6.9 | 51.2 | 52.9 | 3.5 | 3.6 | 0.002876 | 0.002878 | 0.005613 | 0.005438 |
| 13:00 | 6.9 | 54.2 | 56.8 | 3.7 | 3.8 | 0.003027 | 0.00307 | 0.005594 | 0.005409 |
| 14:00 | 7.0 | 57.6 | 59.2 | 3.8 | 3.9 | 0.003115 | 0.003141 | 0.005403 | 0.005303 |
| 15:00 | 7.0 | 60.2 | 61.1 | 4.0 | 4.0 | 0.003221 | 0.003227 | 0.005352 | 0.005282 |
| 16:00 | 6.8 | 61.9 | 62.0 | 4.0 | 4.0 | 0.003209 | 0.003193 | 0.005186 | 0.005148 |
| 17:00 | 6.9 | 62.3 | 61.3 | 3.9 | 3.9 | 0.003173 | 0.003123 | 0.005097 | 0.005098 |
| 18:00 | 6.8 | 65.4 | 64.7 | 4.1 | 4.0 | 0.003273 | 0.003241 | 0.005004 | 0.005013 |
| 19:00 | 6.8 | 69.5 | 70.1 | 4.2 | 4.2 | 0.003341 | 0.003364 | 0.004808 | 0.004801 |
| 20:00 | 6.9 | 75.4 | 74.5 | 4.3 | 4.3 | 0.003458 | 0.003448 | 0.004586 | 0.004632 |
| 21:00 | 6.8 | 75.2 | 75.0 | 4.3 | 4.3 | 0.003438 | 0.00343 | 0.004571 | 0.004575 |
| 22:00 | 6.2 | 76.0 | 76.2 | 4.3 | 4.3 | 0.003426 | 0.003437 | 0.00451 | 0.004511 |
| 23:00 | 5.6 R | 76.5 | 77.0 | 4.3 | 4.3 | 0.00342 | 0.00344 | 0.004469 | 0.004466 |
| Avg | 6.5 | 65.4 | 65.4 | 4.1 | 4.1 | 0.003328 | 0.003308 | 0.005124 | 0.005089 |
| Max | 7.2 | 76.5 | 77.0 | 4.5 | 4.6 | 0.003651 | 0.003669 | 0.005624 | 0.005633 |
| Hr. of Max | 03 | 23 | 23 | 07 | 06 | 07 | 06 | 00 | 00 |
| Min | 3.3 | 51.2 | 52.9 | 3.5 | 3.5 | 0.002838 | 0.002831 | 0.004469 | 0.004466 |
| 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 "D" (1000 Area)

12/4/2018

Interval: 001h

| | 27_VaporPr_002m | 28_VaporPr_015m | 9_Sat Vapor_Pr_002 | )_Sat Vapor_Pr_015 | 34_Precip_In | 36_BarPres_In | 37_BarPres_Mb | 38_SolarRad_Wm2 | 39_SolarRad_Lang |
|---|---|---|---|---|---|---|---|---|---|
| Hour | KPa | KPa | KPa | KPa | INCHES | INHG | KPa | W/M2 | Langleys |
| 00:00 | 5.5 | 5.4 | 9.0 | 9.0 | .00 | 29.25 | 990.5 | -1.1 | .00 |
| 01:00 | 5.3 | 5.2 | 8.8 | 8.8 | .00 | 29.25 | 990.4 | -1.2 | .00 |
| 02:00 | 5.6 | 5.5 | 8.6 | 8.7 | .00 | 29.25 | 990.7 | -1.2 | .00 |
| 03:00 | 5.5 | 5.3 | 8.5 | 8.6 | .00 | 29.27 | 991.1 | -1.2 | .00 |
| 04:00 | 5.4 | 5.3 | 8.3 | 8.4 | .00 | 29.27 | 991.2 | -1.2 | .00 |
| 05:00 | 5.6 | 5.5 | 8.1 | 8.1 | .00 | 29.27 | 991.3 | -1.2 | .00 |
| 06:00 | 5.8 | 5.8 | 7.9 | 7.8 | .00 | 29.28 | 991.6 | -1.2 | .00 |
| 07:00 | 5.8 | 5.8 | 7.8 | 7.8 | .00 | 29.30 | 992.2 | 1.0 | .00 |
| 08:00 | 5.5 | 5.5 | 7.8 | 7.8 | .00 | 29.31 | 992.6 | 21.1 | .03 |
| 09:00 | 5.4 | 5.3 | 8.0 | 7.9 | .00 | 29.32 | 992.8 | 73.0 | .10 |
| 10:00 | 4.9 | 4.9 | 8.4 | 8.2 | .00 | 29.32 | 992.9 | 145.1 | .21 |
| 11:00 | 4.5 | 4.5 | 8.7 | 8.5 | .00 | 29.30 | 992.2 | 182.3 | .26 |
| 12:00 | 4.6 | 4.6 | 8.9 | 8.7 | .00 | 29.28 | 991.4 | 249.0 | .36 |
| 13:00 | 4.8 | 4.9 | 8.9 | 8.6 | .00 | 29.26 | 990.9 | 232.9 | .33 |
| 14:00 | 4.9 | 5.0 | 8.6 | 8.4 | .00 | 29.25 | 990.7 | 107.9 | .15 |
| 15:00 | 5.1 | 5.1 | 8.5 | 8.4 | .00 | 29.25 | 990.7 | 69.8 | .10 |
| 16:00 | 5.1 | 5.1 | 8.3 | 8.2 | .00 | 29.27 | 991.3 | 27.5 | .04 |
| 17:00 | 5.0 | 5.0 | 8.1 | 8.1 | .00 | 29.28 | 991.6 | 1.8 | .00 |
| 18:00 | 5.2 | 5.1 | 8.0 | 8.0 | .00 | 29.29 | 991.9 | -1.2 | .00 |
| 19:00 | 5.3 | 5.3 | 7.7 | 7.7 | .00 | 29.30 | 992.1 | -1.1 | .00 |
| 20:00 | 5.5 | 5.5 | 7.3 | 7.4 | .00 | 29.30 | 992.1 | -1.2 | .00 |
| 21:00 | 5.5 | 5.4 | 7.3 | 7.3 | .00 | 29.30 | 992.2 | -1.2 | .00 |
| 22:00 | 5.4 | 5.5 | 7.2 | 7.2 | .00 | 29.29 | 992.1 | -1.2 | .00 |
| 23:00 | 5.4 | 5.5 | 7.1 | 7.1 | .00 | 29.30 | 992.1 | -1.2 | .00 |
| Avg | 5.3 | 5.3 | 8.2 | 8.1 | .00 | 29.28 | 991.6 | 45.7 | .07 |
| Max | 5.8 | 5.8 | 9.0 | 9.0 | .00 | 29.32 | 992.9 | 249.0 | .36 |
| Hr. of Max | 07 | 07 | 00 | 00 | 23 | 10 | 10 | 12 | 12 |
| Min | 4.5 | 4.5 | 7.1 | 7.1 | .00 | 29.25 | 990.4 | -1.2 | .00 |
| 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 "D" (1000 Area)

12/4/2018

Interval: 001h

| | 41_WDir_035m | 42_WDir_060m | 44_VWDir_035m | 45_VWDir_060m | 46_SWDir_015m | 47_SWDir_060m | 48_VSWDir_015m | 49_VSWDir_060m | 51_Sigma_035m |
|---|---|---|---|---|---|---|---|---|---|
| Hour | DEG | DEG | DEG | DEG | DEG | DEG | DEG | DEG | DEG |
| 00:00 | 277.3 | 286.1 | 279.1 | 286.7 | 258.3 | 279.1 | 258.6 | 279.3 | 22.0 |
| 01:00 | 288.5 | 296.2 | 286.0 | 293.9 | 270.1 | 288.1 | 267.9 | 286.1 | 23.2 |
| 02:00 | 349.8 | 345.7 | 344.6 | 343.8 | 332.1 | 335.9 | 326.2 | 334.3 | 23.1 |
| 03:00 | 322.4 | 325.2 | 327.7 | 330.6 | 298.7 | 315.3 | 306.6 | 320.9 | 34.0 |
| 04:00 | 311.8 | 319.7 | 310.6 | 319.5 | 292.8 | 310.7 | 293.2 | 310.8 | 31.0 |
| 05:00 | 284.2 | 302.2 | 290.6 | 303.1 | 263.3 | 293.2 | 267.4 | 295.1 | 35.2 |
| 06:00 | 296.0 | 298.8 | 293.7 | 297.5 | 281.1 | 291.0 | 278.3 | 289.4 | 24.7 |
| 07:00 | 317.5 | 322.8 | 317.7 | 322.1 | 295.4 | 312.7 | 297.7 | 312.4 | 23.0 |
| 08:00 | 339.1 | 334.3 | 341.5 | 337.7 | 313.2 | 324.6 | 320.4 | 327.8 | 38.2 |
| 09:00 | 280.7 | 289.1 | 282.3 | 289.8 | 266.5 | 281.1 | 266.8 | 281.6 | 22.0 |
| 10:00 | 331.2 | 335.5 | 326.8 | 325.4 | 306.9 | 326.0 | 306.7 | 318.5 | 47.8 |
| 11:00 | 303.5 | 298.3 | 301.9 | 307.1 | 268.9 | 293.7 | 273.7 | 298.4 | 76.5 |
| 12:00 | 271.9 | 273.8 | 271.1 | 273.3 | 261.7 | 266.8 | 260.7 | 266.3 | 26.4 |
| 13:00 | 277.2 | 275.1 | 278.5 | 276.3 | 270.7 | 268.7 | 269.9 | 269.4 | 19.7 |
| 14:00 | 279.0 | 279.7 | 280.1 | 280.5 | 267.4 | 272.7 | 267.7 | 273.2 | 18.7 |
| 15:00 | 271.3 | 275.2 | 274.0 | 276.9 | 263.1 | 268.7 | 264.1 | 269.8 | 20.9 |
| 16:00 | 277.4 | 279.3 | 280.8 | 281.5 | 265.9 | 272.6 | 267.3 | 274.1 | 22.2 |
| 17:00 | 271.1 | 274.7 | 271.3 | 274.1 | 258.2 | 268.1 | 258.6 | 267.0 | 22.4 |
| 18:00 | 263.5 | 270.5 | 264.0 | 271.0 | 250.1 | 264.3 | 251.0 | 264.6 | 19.4 |
| 19:00 | 325.6 | 318.4 | 322.1 | 315.7 | 300.3 | 309.1 | 300.0 | 307.2 | 39.4 |
| 20:00 | 288.1 | 290.9 | 285.2 | 288.7 | 270.9 | 283.5 | 268.5 | 281.1 | 17.9 |
| 21:00 | 276.9 | 279.1 | 275.9 | 278.2 | 265.6 | 272.5 | 263.3 | 271.4 | 20.8 |
| 22:00 | 279.5 | 282.5 | 279.4 | 282.5 | 265.6 | 276.0 | 264.5 | 275.4 | 16.8 |
| 23:00 | 273.2 | 277.0 | 274.9 | 278.4 | 260.9 | 270.5 | 260.8 | 271.2 | 22.7 |
| Avg | 293.0 | 296.0 | .0 | .0 | 276.0 | 289.0 | .0 | .0 | 27.8 |
| Max | 349.8 | 345.7 | 344.6 | 343.8 | 332.1 | 335.9 | 326.2 | 334.3 | 76.5 |
| Hr. of Max | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 11 |
| Min | 263.5 | 270.5 | 264.0 | 271.0 | 250.1 | 264.3 | 251.0 | 264.6 | 16.8 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

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

# Daily Summary Report

Site: Tower "D" (1000 Area)

12/4/2018

Interval: 001h

| | 52_Sigma_060m | 53_SSigma_015m | 54_SSigma_060m | 56_RWSpd_035m | 57_RWSpd_060m | 59_WSpd_035m | 60_WSpd_060m | 62_WSpdms_035m | 63_WSpdms_060m |
|---|---|---|---|---|---|---|---|---|---|
| Hour | DEG | DEG | DEG | MPH | MPH | MPH | MPH | M/SEC | M/SEC |
| 00:00 | 17.8 | 26.4 | 16.7 | 3.4 | 4.7 | 3.7 | 4.9 | 1.6 | 2.2 |
| 01:00 | 19.6 | 25.8 | 18.2 | 3.4 | 4.5 | 3.6 | 4.8 | 1.6 | 2.1 |
| 02:00 | 19.2 | 34.4 | 18.3 | 2.2 | 3.0 | 2.6 | 3.3 | 1.1 | 1.5 |
| 03:00 | 23.8 | 36.9 | 24.0 | 2.3 | 3.0 | 2.7 | 3.2 | 1.2 | 1.5 |
| 04:00 | 25.5 | 32.5 | 24.1 | 2.5 | 3.0 | 3.0 | 3.4 | 1.3 | 1.5 |
| 05:00 | 20.3 | 29.7 | 20.6 | 2.0 | 2.3 | 2.2 | 2.6 | 1.0 | 1.2 |
| 06:00 | 16.5 | 29.3 | 16.5 | 3.4 | 4.7 | 3.7 | 4.8 | 1.6 | 2.2 |
| 07:00 | 17.0 | 26.9 | 16.7 | 3.1 | 4.2 | 3.3 | 4.3 | 1.5 | 1.9 |
| 08:00 | 26.2 | 42.1 | 25.4 | 1.9 | 2.7 | 2.3 | 3.0 | 1.0 | 1.3 |
| 09:00 | 19.9 | 22.6 | 19.3 | 3.1 | 3.3 | 3.4 | 3.6 | 1.5 | 1.6 |
| 10:00 | 30.2 | 52.6 | 32.7 | 1.7 | 2.2 | 2.4 | 2.7 | 1.1 | 1.2 |
| 11:00 | 56.7 | 69.4 | 56.0 | 1.1 | 1.4 | 2.6 | 2.8 | 1.2 | 1.3 |
| 12:00 | 20.7 | 26.6 | 20.2 | 4.6 | 5.2 | 5.1 | 5.7 | 2.3 | 2.6 |
| 13:00 | 15.9 | 22.7 | 15.3 | 7.0 | 7.8 | 7.5 | 8.1 | 3.3 | 3.6 |
| 14:00 | 16.2 | 23.7 | 15.7 | 6.8 | 7.8 | 7.1 | 8.0 | 3.2 | 3.6 |
| 15:00 | 18.7 | 24.0 | 18.4 | 4.8 | 5.8 | 5.2 | 6.2 | 2.3 | 2.8 |
| 16:00 | 16.3 | 23.7 | 15.9 | 4.4 | 5.6 | 4.8 | 5.8 | 2.1 | 2.6 |
| 17:00 | 18.3 | 25.2 | 17.9 | 3.0 | 3.9 | 3.2 | 4.1 | 1.4 | 1.8 |
| 18:00 | 14.3 | 19.6 | 14.1 | 4.3 | 5.7 | 4.5 | 5.9 | 2.0 | 2.6 |
| 19:00 | 28.0 | 49.0 | 26.5 | 2.3 | 3.2 | 2.8 | 3.6 | 1.2 | 1.6 |
| 20:00 | 14.4 | 21.5 | 14.1 | 3.0 | 4.1 | 3.3 | 4.4 | 1.5 | 2.0 |
| 21:00 | 16.2 | 23.7 | 15.5 | 5.0 | 6.7 | 5.4 | 7.0 | 2.4 | 3.1 |
| 22:00 | 12.7 | 20.1 | 12.0 | 5.2 | 7.0 | 5.4 | 7.1 | 2.4 | 3.2 |
| 23:00 | 17.0 | 25.3 | 16.6 | 5.0 | 6.5 | 5.4 | 6.8 | 2.4 | 3.0 |
| Avg | 20.9 | 30.6 | 20.4 | 2.9 | 2.9 | 4.0 | 4.8 | 1.8 | 2.2 |
| Max | 56.7 | 69.4 | 56.0 | 7.0 | 7.8 | 7.5 | 8.1 | 3.3 | 3.6 |
| Hr. of Max | 11 | 11 | 11 | 13 | 14 | 13 | 13 | 13 | 14 |
| Min | 12.7 | 19.6 | 12.0 | 1.1 | 1.4 | 2.2 | 2.6 | 1.0 | 1.2 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

Date Printed: 12/5/2018 01:31

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

# Daily Summary Report

Site: Tower "D" (1000 Area)

12/4/2018

Interval: 001h

| | 64_RSSpd_015m | 65_RSSpd_060m | 66_HSSpd_015m | 67_HSSpd_060m | 68_HSSpdms_015m | 69_HSSpdms_060m | 70_WElev_015m | 71_WElev_060m | 72_VSSpd_015m |
|---|---|---|---|---|---|---|---|---|---|
| Hour | MPH | MPH | MPH | MPH | M/SEC | M/SEC | DEG | DEG | MPH |
| 00:00 | 2.6 | 4.9 | 2.9 | 5.1 | 1.3 | 2.3 | -.1 | -2.9 | -.10 |
| 01:00 | 2.8 | 4.8 | 3.0 | 5.1 | 1.4 | 2.3 | .4 | -2.1 | -.13 |
| 02:00 | 1.5 | 3.4 | 1.8 | 3.6 | .8 | 1.6 | -5.1 | -.5 | -.27 |
| 03:00 | 1.8 | 3.3 | 2.3 | 3.5 | 1.0 | 1.6 | -2.5 | .9 | -.22 |
| 04:00 | 2.0 | 3.3 | 2.3 | 3.7 | 1.0 | 1.6 | 2.0 | 1.4 | -.02 |
| 05:00 | 1.8 | 2.6 | 2.1 | 2.8 | .9 | 1.3 | -.1 | -.5 | -.06 |
| 06:00 | 2.5 | 4.8 | 2.8 | 4.9 | 1.3 | 2.2 | -2.8 | -1.2 | -.22 |
| 07:00 | 2.1 | 4.4 | 2.3 | 4.6 | 1.0 | 2.1 | -.6 | -2.3 | -.15 |
| 08:00 | 1.3 | 3.0 | 2.0 | 3.3 | .9 | 1.5 | .4 | .7 | -.14 |
| 09:00 | 3.0 | 3.6 | 3.2 | 3.8 | 1.4 | 1.7 | -1.4 | -6.1 | -.15 |
| 10:00 | 1.4 | 2.6 | 2.3 | 3.2 | 1.0 | 1.4 | -2.3 | -7.1 | -.23 |
| 11:00 | .9 | 1.5 | 2.8 | 3.3 | 1.2 | 1.5 | 2.1 | 4.1 | .02 |
| 12:00 | 4.2 | 5.7 | 4.8 | 6.2 | 2.1 | 2.8 | -.3 | -.6 | -.15 |
| 13:00 | 5.8 | 8.1 | 6.3 | 8.4 | 2.8 | 3.8 | -3.5 | -3.3 | -.55 |
| 14:00 | 5.1 | 8.1 | 5.5 | 8.3 | 2.5 | 3.7 | -1.8 | -2.3 | -.41 |
| 15:00 | 3.9 | 6.1 | 4.2 | 6.5 | 1.9 | 2.9 | 1.4 | .7 | -.11 |
| 16:00 | 3.5 | 5.8 | 3.9 | 6.0 | 1.7 | 2.7 | -1.3 | -1.5 | -.24 |
| 17:00 | 2.4 | 4.2 | 2.6 | 4.4 | 1.2 | 2.0 | 1.7 | -1.8 | -.06 |
| 18:00 | 3.4 | 6.0 | 3.6 | 6.1 | 1.6 | 2.7 | .7 | -1.5 | -.06 |
| 19:00 | 1.9 | 3.6 | 2.6 | 4.0 | 1.1 | 1.8 | -1.8 | -.2 | -.22 |
| 20:00 | 2.3 | 4.3 | 2.6 | 4.6 | 1.1 | 2.1 | -3.0 | -2.2 | -.21 |
| 21:00 | 4.0 | 7.0 | 4.3 | 7.3 | 1.9 | 3.3 | .2 | -1.2 | -.09 |
| 22:00 | 3.9 | 7.1 | 4.1 | 7.2 | 1.8 | 3.2 | -.1 | -.1 | -.14 |
| 23:00 | 4.1 | 6.7 | 4.5 | 7.0 | 2.0 | 3.1 | .0 | -.3 | -.24 |
| Avg | 2.7 | 2.7 | 3.3 | 5.1 | 1.5 | 2.3 | -.7 | -1.2 | -.17 |
| Max | 5.8 | 8.1 | 6.3 | 8.4 | 2.8 | 3.8 | 2.1 | 4.1 | .02 |
| Hr. of Max | 13 | 14 | 13 | 13 | 13 | 13 | 11 | 11 | 11 |
| Min | .9 | 1.5 | 1.8 | 2.8 | .8 | 1.3 | -5.1 | -7.1 | -.55 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

Date Printed: 12/5/2018 01:31

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

# Daily Summary Report

Site: Tower "D" (1000 Area)

12/4/2018

Interval: 001h

| | 73_VSSpd_060m | 80_PkWsH_035m | 81_PkWsH_060m | 82_SPkWsH_015m | 84_SigPhi_015m | 85_SigPhi_060m | 86_SonicTemp_015m | 87_SonicTemp_060m |
|---|---|---|---|---|---|---|---|---|
| Hour | MPH | MPH | MPH | MPH | DEG | DEG | DEGC | DEGC |
| 00:00 | -.41 | 10.3 | 13.7 | 9.1 | 17.0 | 13.2 | 5.3 | 4.8 |
| 01:00 | -.37 | 9.4 | 13.3 | 8.0 | 19.2 | 15.4 | 5.1 | 4.5 |
| 02:00 | -.12 | 8.5 | 7.6 | 7.3 | 17.9 | 14.0 | 4.8 | 4.3 |
| 03:00 | -.06 | 8.7 | 10.3 | 7.2 | 17.4 | 16.8 | 4.6 | 4.1 |
| 04:00 | -.09 | 8.0 | 8.9 | 6.9 | 20.5 | 19.0 | 4.3 | 3.8 |
| 05:00 | -.13 | 6.6 | 6.9 | 5.8 | 14.9 | 18.6 | 3.9 | 3.4 |
| 06:00 | -.26 | 8.7 | 9.6 | 8.3 | 20.5 | 13.4 | 3.5 | 2.9 |
| 07:00 | -.32 | 7.1 | 8.2 | 6.6 | 20.7 | 14.3 | 3.4 | 2.8 |
| 08:00 | -.08 | 10.3 | 10.1 | 6.0 | 24.4 | 19.2 | 3.4 | 2.8 |
| 09:00 | -.46 | 7.6 | 8.0 | 8.3 | 17.8 | 14.5 | 3.6 | 3.0 |
| 10:00 | -.50 | 7.1 | 8.7 | 6.6 | 28.7 | 24.8 | 4.1 | 3.4 |
| 11:00 | .17 | 8.7 | 8.9 | 9.4 | 25.6 | 24.6 | 4.5 | 3.9 |
| 12:00 | -.25 | 10.8 | 11.7 | 11.3 | 18.7 | 17.3 | 4.7 | 4.0 |
| 13:00 | -.61 | 15.6 | 16.3 | 17.1 | 14.2 | 11.5 | 4.6 | 3.9 |
| 14:00 | -.63 | 18.8 | 17.2 | 13.8 | 18.4 | 13.6 | 4.4 | 3.7 |
| 15:00 | -.17 | 13.3 | 15.3 | 12.1 | 20.3 | 14.8 | 4.4 | 3.7 |
| 16:00 | -.37 | 12.8 | 11.9 | 10.4 | 17.5 | 12.6 | 4.0 | 3.4 |
| 17:00 | -.28 | 11.9 | 12.6 | 8.0 | 19.8 | 13.4 | 3.9 | 3.4 |
| 18:00 | -.28 | 9.4 | 10.1 | 10.9 | 16.7 | 10.8 | 3.7 | 3.2 |
| 19:00 | -.24 | 14.0 | 14.2 | 9.1 | 23.5 | 21.8 | 3.1 | 2.5 |
| 20:00 | -.33 | 9.2 | 10.1 | 8.3 | 14.6 | 11.8 | 2.6 | 2.1 |
| 21:00 | -.32 | 16.9 | 19.0 | 10.2 | 16.2 | 11.7 | 2.4 | 1.9 |
| 22:00 | -.16 | 11.0 | 12.1 | 9.1 | 16.3 | 10.1 | 2.2 | 1.7 |
| 23:00 | -.21 | 15.6 | 14.4 | 14.1 | 18.8 | 12.7 | 2.1 | 1.6 |
| Avg | -.27 | 10.8 | 11.6 | 9.3 | 19.2 | 15.4 | 3.9 | 3.3 |
| Max | .17 | 18.8 | 19.0 | 17.1 | 28.7 | 24.8 | 5.3 | 4.8 |
| Hr. of Max | 11 | 14 | 21 | 13 | 10 | 10 | 00 | 00 |
| Min | -.63 | 6.6 | 6.9 | 5.8 | 14.2 | 10.1 | 2.1 | 1.6 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | |