Date Printed: 12/21/2018 01:31

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

# Daily Summary Report

Site: Tower "D" (1000 Area)

12/20/2018

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 | 4.9 | 5.6 | 6.0 | 6.9 | 40.8 | 42.0 | 42.9 | 44.5 | .65 |
| 01:00 | 4.6 | 5.7 | 6.3 | 7.0 | 40.3 | 42.3 | 43.3 | 44.6 | 1.15 |
| 02:00 | 5.0 | 5.9 | 6.1 | 6.6 | 41.1 | 42.7 | 43.0 | 43.8 | .88 |
| 03:00 | 5.1 | 6.0 | 6.2 | 6.6 | 41.2 | 42.8 | 43.1 | 43.9 | .91 |
| 04:00 | 5.9 | 6.2 | 6.2 | 6.5 | 42.6 | 43.2 | 43.2 | 43.7 | .34 |
| 05:00 | 6.1 | 6.5 | 6.5 | 6.5 | 43.0 | 43.8 | 43.7 | 43.7 | .42 |
| 06:00 | 6.3 | 6.7 | 6.7 | 6.7 | 43.4 | 44.1 | 44.0 | 44.0 | .41 |
| 07:00 | 6.7 | 7.1 | 7.0 | 7.1 | 44.0 | 44.7 | 44.6 | 44.7 | .39 |
| 08:00 | 6.5 | 6.9 | 6.9 | 6.9 | 43.7 | 44.4 | 44.4 | 44.5 | .39 |
| 09:00 | 6.2 | 6.5 | 6.6 | 6.7 | 43.2 | 43.7 | 43.8 | 44.0 | .25 |
| 10:00 | 6.7 | 6.9 | 7.0 | 7.1 | 44.0 | 44.5 | 44.6 | 44.8 | .28 |
| 11:00 | 7.4 | 7.4 | 7.3 | 7.4 | 45.3 | 45.2 | 45.1 | 45.3 | -.04 |
| 12:00 | 7.8 | 7.7 | 7.6 | 7.5 | 46.0 | 45.8 | 45.6 | 45.6 | -.07 |
| 13:00 | 7.9 | 7.9 | 7.8 | 7.7 | 46.3 | 46.2 | 46.0 | 45.9 | -.06 |
| 14:00 | 8.2 | 8.2 | 8.1 | 8.1 | 46.8 | 46.8 | 46.6 | 46.5 | -.02 |
| 15:00 | 8.2 | 8.3 | 8.2 | 8.2 | 46.7 | 46.9 | 46.8 | 46.8 | .12 |
| 16:00 | 8.2 | 8.3 | 8.2 | 8.2 | 46.7 | 46.9 | 46.7 | 46.7 | .10 |
| 17:00 | 8.1 | 8.3 | 8.2 | 8.2 | 46.7 | 46.9 | 46.7 | 46.7 | .12 |
| 18:00 | 8.1 | 8.2 | 8.1 | 8.1 | 46.6 | 46.7 | 46.5 | 46.5 | .06 |
| 19:00 | 8.1 | 8.1 | 8.0 | 8.0 | 46.5 | 46.6 | 46.4 | 46.4 | .05 |
| 20:00 | 8.1 | 8.1 | 8.0 | 8.0 | 46.5 | 46.6 | 46.4 | 46.4 | .06 |
| 21:00 | 7.9 | 8.0 | 8.0 | 8.0 | 46.3 | 46.4 | 46.3 | 46.3 | .09 |
| 22:00 | 7.9 | 8.1 | 7.9 | 7.9 | 46.3 | 46.5 | 46.3 | 46.3 | .12 |
| 23:00 | 7.9 | 8.0 | 7.9 | 7.9 | 46.3 | 46.4 | 46.2 | 46.2 | .07 |
| Avg | 7.0 | 7.3 | 7.3 | 7.4 | 44.6 | 45.1 | 45.1 | 45.3 | .28 |
| Max | 8.2 | 8.3 | 8.2 | 8.2 | 46.8 | 46.9 | 46.8 | 46.8 | 1.15 |
| Hr. of Max | 16 | 17 | 17 | 17 | 14 | 17 | 15 | 15 | 01 |
| Min | 4.6 | 5.6 | 6.0 | 6.5 | 40.3 | 42.0 | 42.9 | 43.7 | -.07 |
| 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)

12/20/2018

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 | 1.13 | 2.02 | .49 | 1.38 | 2.8 | 3.0 | 37.0 | 37.4 | 3.8 |
| 01:00 | 1.65 | 2.42 | .51 | 1.27 | 2.9 | 2.8 | 37.2 | 37.0 | 3.8 |
| 02:00 | 1.07 | 1.51 | .19 | .63 | 3.1 | 3.2 | 37.7 | 37.8 | 4.1 |
| 03:00 | 1.08 | 1.51 | .17 | .60 | 3.3 | 3.4 | 37.9 | 38.2 | 4.3 |
| 04:00 | .36 | .63 | .02 | .28 | 4.1 | 3.9 | 39.3 | 39.1 | 4.7 |
| 05:00 | .38 | .41 | -.05 | -.01 | 3.6 | 3.3 | 38.4 | 37.9 | 4.4 |
| 06:00 | .34 | .33 | -.07 | -.08 | 3.0 | 2.7 | 37.5 | 36.8 | 4.0 |
| 07:00 | .33 | .37 | -.06 | -.02 | 2.7 | 2.3 | 36.9 | 36.1 | 3.9 |
| 08:00 | .40 | .44 | .00 | .04 | 3.5 | 3.2 | 38.4 | 37.7 | 4.4 |
| 09:00 | .35 | .42 | .09 | .17 | 5.0 | 4.5 | 40.9 | 40.1 | 5.1 |
| 10:00 | .30 | .46 | .03 | .19 | 5.7 | 5.4 | 42.3 | 41.7 | 5.9 |
| 11:00 | -.10 | -.04 | -.05 | .01 | 6.6 | 6.3 | 43.9 | 43.3 | 6.6 |
| 12:00 | -.19 | -.21 | -.12 | -.14 | 7.0 | 6.8 | 44.5 | 44.2 | 7.1 |
| 13:00 | -.18 | -.20 | -.11 | -.14 | 7.2 | 7.0 | 45.0 | 44.7 | 7.3 |
| 14:00 | -.14 | -.18 | -.13 | -.16 | 7.5 | 7.2 | 45.5 | 45.0 | 7.6 |
| 15:00 | .05 | .05 | -.07 | -.07 | 7.4 | 7.4 | 45.4 | 45.3 | 7.7 |
| 16:00 | .01 | .00 | -.09 | -.10 | 7.5 | 7.7 | 45.5 | 45.8 | 7.9 |
| 17:00 | .03 | .02 | -.09 | -.10 | 7.5 | 7.8 | 45.5 | 46.0 | 8.0 |
| 18:00 | -.04 | -.03 | -.10 | -.10 | 7.5 | 7.8 | 45.5 | 46.0 | 7.9 |
| 19:00 | -.05 | -.07 | -.10 | -.12 | 7.5 | 7.8 | 45.5 | 46.0 | 7.9 |
| 20:00 | -.03 | -.05 | -.10 | -.11 | 7.5 | 7.8 | 45.5 | 46.0 | 7.9 |
| 21:00 | .01 | .02 | -.08 | -.08 | 7.4 | 7.7 | 45.3 | 45.9 | 7.8 |
| 22:00 | .01 | -.01 | -.11 | -.13 | 7.4 | 7.7 | 45.3 | 45.9 | 7.8 |
| 23:00 | -.04 | -.05 | -.12 | -.12 | 7.4 | 7.6 | 45.3 | 45.8 | 7.8 |
| Avg | .28 | .41 | .00 | .13 | 5.6 | 5.6 | 42.1 | 42.1 | 6.2 |
| Max | 1.65 | 2.42 | .51 | 1.38 | 7.5 | 7.8 | 45.5 | 46.0 | 8.0 |
| Hr. of Max | 01 | 01 | 01 | 00 | 20 | 20 | 20 | 20 | 17 |
| Min | -.19 | -.21 | -.13 | -.16 | 2.7 | 2.3 | 36.9 | 36.1 | 3.8 |
| 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)

12/20/2018

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 | 4.8 | 86.9 | 84.2 | 5.8 | 5.9 | 0.004763 | 0.004826 | 0.00548 | 0.005733 |
| 01:00 | 4.8 | 89.3 | 81.8 | 5.9 | 5.8 | 0.004788 | 0.004753 | 0.005363 | 0.00581 |
| 02:00 | 4.3 | 88.2 | 83.4 | 6.0 | 6.0 | 0.004886 | 0.004908 | 0.005538 | 0.005888 |
| 03:00 | 4.4 | 89.0 | 84.2 | 6.0 | 6.1 | 0.004947 | 0.00499 | 0.005561 | 0.005923 |
| 04:00 | 4.4 | 88.8 | 86.0 | 6.4 | 6.3 | 0.005225 | 0.00518 | 0.005883 | 0.006024 |
| 05:00 | 4.5 | 84.4 | 80.3 | 6.1 | 6.0 | 0.005052 | 0.004946 | 0.005984 | 0.006161 |
| 06:00 | 4.4 | 80.2 | 75.9 | 5.9 | 5.7 | 0.004871 | 0.004745 | 0.006077 | 0.00625 |
| 07:00 | 4.5 R | 76.5 | 72.3 | 5.8 | 5.6 | 0.004765 | 0.004627 | 0.006233 | 0.006404 |
| 08:00 | 4.5 | 82.1 | 77.8 | 6.1 | 5.9 | 0.005053 | 0.00492 | 0.006156 | 0.006325 |
| 09:00 | 4.4 | 92.4 | 87.8 | 6.8 | 6.5 | 0.005586 | 0.005401 | 0.006044 | 0.006151 |
| 10:00 | 4.3 | 94.6 | 90.8 | 7.1 | 7.0 | 0.005901 | 0.005773 | 0.006237 | 0.006357 |
| 11:00 | 4.2 | 95.6 | 93.8 | 7.5 | 7.4 | 0.006279 | 0.006139 | 0.006567 | 0.006547 |
| 12:00 | 4.4 | 95.7 | 94.9 | 7.7 | 7.6 | 0.00645 | 0.006364 | 0.00674 | 0.006707 |
| 13:00 | 4.4 | 96.1 | 95.4 | 7.8 | 7.8 | 0.006579 | 0.006504 | 0.006842 | 0.006814 |
| 14:00 | 4.9 | 96.1 | 94.5 | 8.0 | 7.9 | 0.006734 | 0.006613 | 0.007004 | 0.006995 |
| 15:00 | 5.0 R | 96.1 | 95.2 | 8.0 | 7.9 | 0.0067 | 0.00669 | 0.006972 | 0.007028 |
| 16:00 | 5.0 | 96.7 | 97.0 | 8.0 | 8.1 | 0.006738 | 0.006807 | 0.00697 | 0.007017 |
| 17:00 | 5.1 | 96.8 | 97.9 | 8.0 | 8.2 | 0.00674 | 0.006869 | 0.00696 | 0.007017 |
| 18:00 | 5.2 | 97.0 | 98.4 | 8.0 | 8.1 | 0.006728 | 0.006853 | 0.006935 | 0.006964 |
| 19:00 | 5.3 | 97.1 | 98.6 | 8.0 | 8.1 | 0.006735 | 0.006865 | 0.006935 | 0.006959 |
| 20:00 | 5.3 | 97.2 | 98.8 | 8.0 | 8.1 | 0.006727 | 0.006865 | 0.006921 | 0.00695 |
| 21:00 | 5.2 | 97.2 | 98.9 | 7.9 | 8.1 | 0.006683 | 0.006843 | 0.006876 | 0.006918 |
| 22:00 | 5.3 | 97.3 | 98.8 | 7.9 | 8.1 | 0.006689 | 0.006848 | 0.006872 | 0.006931 |
| 23:00 | 5.4 | 97.4 | 98.6 | 7.9 | 8.1 | 0.006699 | 0.006817 | 0.006878 | 0.006912 |
| Avg | 4.8 | 92.0 | 90.2 | 7.1 | 7.1 | 0.00593 | 0.005923 | 0.006418 | 0.006533 |
| Max | 5.4 | 97.4 | 98.9 | 8.0 | 8.2 | 0.00674 | 0.006869 | 0.007004 | 0.007028 |
| Hr. of Max | 23 | 23 | 21 | 20 | 17 | 17 | 17 | 14 | 15 |
| Min | 4.2 | 76.5 | 72.3 | 5.8 | 5.6 | 0.004763 | 0.004627 | 0.005363 | 0.005733 |
| 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)

12/20/2018

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 | 7.5 | 7.6 | 8.7 | 9.1 | .00 | 29.08 | 984.8 | -1.2 | .00 |
| 01:00 | 7.5 | 7.5 | 8.5 | 9.2 | .00 | 29.07 | 984.4 | -1.2 | .00 |
| 02:00 | 7.7 | 7.7 | 8.8 | 9.3 | .00 | 29.04 | 983.4 | -1.2 | .00 |
| 03:00 | 7.8 | 7.8 | 8.8 | 9.4 | .00 | 29.01 | 982.6 | -1.2 | .00 |
| 04:00 | 8.2 | 8.1 | 9.3 | 9.5 | .00 | 28.99 | 981.8 | -1.2 | .00 |
| 05:00 | 7.9 | 7.7 | 9.4 | 9.7 | .00 | 28.96 | 980.9 | -1.2 | .00 |
| 06:00 | 7.6 | 7.4 | 9.6 | 9.8 | .00 | 28.94 | 980.0 | -1.1 | .00 |
| 07:00 | 7.4 | 7.2 | 9.8 | 10.1 | .00 | 28.92 | 979.3 | -.4 | .00 |
| 08:00 | 7.9 | 7.7 | 9.7 | 10.0 | .00 | 28.91 | 979.1 | 10.0 | .01 |
| 09:00 | 8.7 | 8.4 | 9.5 | 9.7 | .02 | 28.89 | 978.5 | 39.2 | .06 |
| 10:00 | 9.2 | 9.0 | 9.8 | 10.0 | .07 | 28.87 | 977.8 | 44.1 | .06 |
| 11:00 | 9.8 | 9.5 | 10.3 | 10.3 | .06 | 28.83 | 976.2 | 67.6 | .10 |
| 12:00 | 10.0 | 9.9 | 10.6 | 10.5 | .13 | 28.77 | 974.4 | 54.6 | .08 |
| 13:00 | 10.2 | 10.1 | 10.7 | 10.6 | .10 | 28.70 | 972.0 | 53.1 | .08 |
| 14:00 | 10.4 | 10.2 | 10.9 | 10.9 | .09 | 28.64 | 969.8 | 40.8 | .06 |
| 15:00 | 10.3 | 10.3 | 10.9 | 11.0 | .24 | 28.64 | 969.8 | 12.0 | .02 |
| 16:00 | 10.4 | 10.5 | 10.9 | 10.9 | .18 | 28.63 | 969.5 | 6.8 | .01 |
| 17:00 | 10.4 | 10.6 | 10.8 | 10.9 | .08 | 28.62 | 969.2 | 1.1 | .00 |
| 18:00 | 10.4 | 10.6 | 10.8 | 10.9 | .03 | 28.62 | 969.1 | -1.2 | .00 |
| 19:00 | 10.4 | 10.6 | 10.8 | 10.8 | .04 | 28.61 | 968.9 | -1.2 | .00 |
| 20:00 | 10.4 | 10.6 | 10.8 | 10.8 | .01 | 28.59 | 968.3 | -1.2 | .00 |
| 21:00 | 10.3 | 10.5 | 10.7 | 10.8 | .01 | 28.58 | 967.8 | -1.2 | .00 |
| 22:00 | 10.3 | 10.5 | 10.7 | 10.8 | .00 | 28.57 | 967.4 | -1.2 | .00 |
| 23:00 | 10.3 | 10.5 | 10.7 | 10.7 | .00 | 28.55 | 966.9 | -1.2 | .00 |
| Avg | 9.2 | 9.2 | 10.1 | 10.2 | .04 | 28.79 | 975.1 | 13.1 | .02 |
| Max | 10.4 | 10.6 | 10.9 | 11.0 | .24 | 29.08 | 984.8 | 67.6 | .10 |
| Hr. of Max | 20 | 20 | 16 | 15 | 15 | 00 | 00 | 11 | 11 |
| Min | 7.4 | 7.2 | 8.5 | 9.1 | .00 | 28.55 | 966.9 | -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)

12/20/2018

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 | 222.9 | 229.6 | 226.6 | 234.8 | 236.9 | 222.7 | 233.9 | 227.9 | 9.7 |
| 01:00 | 123.3 | 273.4 | 240.7 | 270.1 | 318.6 | 285.0 | 293.0 | 270.6 | 50.4 |
| 02:00 | 66.3 | 64.9 | 60.6 | 62.6 | 36.4 | 56.8 | 37.6 | 53.4 | 16.0 |
| 03:00 | 70.3 | 59.7 | 75.2 | 65.4 | 191.0 | 51.1 | 84.4 | 56.0 | 15.3 |
| 04:00 | 57.9 | 70.7 | 57.9 | 70.5 | 42.9 | 60.9 | 43.1 | 60.8 | 7.6 |
| 05:00 | 49.6 | 58.0 | 49.5 | 58.5 | 36.1 | 48.0 | 36.1 | 48.5 | 10.4 |
| 06:00 | 55.2 | 57.0 | 55.1 | 57.0 | 47.6 | 47.2 | 47.5 | 47.2 | 10.6 |
| 07:00 | 58.9 | 56.5 | 58.6 | 56.5 | 56.1 | 46.5 | 56.5 | 46.5 | 13.4 |
| 08:00 | 61.0 | 62.1 | 60.9 | 62.1 | 52.6 | 53.1 | 51.1 | 52.8 | 14.4 |
| 09:00 | 60.9 | 62.1 | 60.6 | 61.8 | 44.3 | 52.8 | 46.4 | 52.5 | 10.7 |
| 10:00 | 68.2 | 57.1 | 67.7 | 56.8 | 60.2 | 47.5 | 61.0 | 47.2 | 10.0 |
| 11:00 | 64.8 | 58.4 | 63.1 | 57.8 | 58.3 | 48.8 | 56.4 | 48.1 | 10.8 |
| 12:00 | 59.8 | 56.8 | 59.2 | 56.4 | 56.9 | 46.6 | 56.7 | 46.1 | 12.6 |
| 13:00 | 47.4 | 46.5 | 47.0 | 46.3 | 46.1 | 36.0 | 44.6 | 35.7 | 13.4 |
| 14:00 | 48.6 | 47.3 | 48.2 | 47.0 | 52.6 | 36.7 | 50.2 | 36.2 | 18.4 |
| 15:00 | 13.9 | 13.1 | 24.7 | 23.3 | 339.7 | 2.0 | 345.4 | 11.4 | 25.0 |
| 16:00 | 237.6 | 314.3 | 257.7 | 309.8 | 200.5 | 302.5 | 210.0 | 302.0 | 43.2 |
| 17:00 | 204.4 | 229.2 | 230.2 | 243.5 | 215.7 | 228.4 | 222.5 | 236.0 | 15.8 |
| 18:00 | 220.1 | 233.3 | 221.0 | 233.3 | 214.2 | 228.2 | 213.7 | 228.2 | 9.2 |
| 19:00 | 231.1 | 234.5 | 231.3 | 234.1 | 222.1 | 229.5 | 223.0 | 229.2 | 8.1 |
| 20:00 | 228.5 | 230.4 | 229.4 | 230.4 | 226.9 | 225.5 | 226.7 | 225.6 | 12.8 |
| 21:00 | 220.1 | 227.6 | 223.3 | 228.7 | 217.6 | 222.4 | 220.6 | 223.6 | 14.4 |
| 22:00 | 230.8 | 227.0 | 234.9 | 228.6 | 240.6 | 221.6 | 241.7 | 223.3 | 18.3 |
| 23:00 | 227.4 | 237.0 | 227.6 | 237.2 | 219.7 | 231.5 | 218.3 | 231.7 | 11.9 |
| Avg | 82.0 | 43.0 | .0 | .0 | 46.0 | 24.0 | .0 | .0 | 15.9 |
| Max | 237.6 | 314.3 | 257.7 | 309.8 | 339.7 | 302.5 | 345.4 | 302.0 | 50.4 |
| Hr. of Max | 16 | 16 | 16 | 16 | 15 | 16 | 15 | 16 | 01 |
| Min | 13.9 | 13.1 | 24.7 | 23.3 | 36.1 | 2.0 | 36.1 | 11.4 | 7.6 |
| 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)

12/20/2018

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 | 13.6 | 26.2 | 14.6 | 2.8 | 2.6 | 2.8 | 2.7 | 1.3 | 1.2 |
| 01:00 | 44.1 | 59.9 | 60.4 | .1 | .4 | .7 | .7 | .3 | .3 |
| 02:00 | 15.1 | 45.8 | 12.9 | 2.8 | 4.0 | 2.9 | 4.1 | 1.3 | 1.8 |
| 03:00 | 9.2 | 46.4 | 10.5 | 1.2 | 2.2 | 1.3 | 2.3 | .6 | 1.0 |
| 04:00 | 5.1 | 20.6 | 5.0 | 5.6 | 7.0 | 5.7 | 7.0 | 2.5 | 3.1 |
| 05:00 | 8.0 | 23.4 | 8.3 | 5.6 | 6.7 | 5.7 | 6.8 | 2.5 | 3.0 |
| 06:00 | 6.2 | 22.1 | 6.5 | 6.8 | 9.0 | 6.9 | 9.1 | 3.1 | 4.1 |
| 07:00 | 8.6 | 24.6 | 8.9 | 5.7 | 8.6 | 5.8 | 8.7 | 2.6 | 3.9 |
| 08:00 | 13.0 | 28.5 | 13.1 | 4.2 | 5.8 | 4.4 | 6.0 | 2.0 | 2.7 |
| 09:00 | 7.0 | 23.0 | 6.9 | 4.8 | 6.8 | 4.9 | 6.8 | 2.2 | 3.1 |
| 10:00 | 8.0 | 21.3 | 8.4 | 3.3 | 5.5 | 3.4 | 5.6 | 1.5 | 2.5 |
| 11:00 | 7.1 | 30.5 | 7.2 | 5.5 | 7.6 | 5.6 | 7.7 | 2.5 | 3.4 |
| 12:00 | 9.6 | 22.6 | 9.9 | 6.0 | 7.8 | 6.2 | 7.9 | 2.8 | 3.5 |
| 13:00 | 9.7 | 30.6 | 10.5 | 6.6 | 8.3 | 6.7 | 8.4 | 3.0 | 3.8 |
| 14:00 | 13.7 | 35.1 | 14.2 | 6.8 | 9.2 | 7.2 | 9.5 | 3.2 | 4.2 |
| 15:00 | 21.3 | 33.9 | 21.0 | 2.0 | 3.3 | 3.0 | 4.1 | 1.4 | 1.8 |
| 16:00 | 48.3 | 52.1 | 44.8 | .7 | 1.6 | 1.2 | 2.1 | .5 | .9 |
| 17:00 | 44.2 | 36.4 | 47.4 | 1.7 | 1.8 | 1.8 | 2.0 | .8 | .9 |
| 18:00 | 7.6 | 19.5 | 7.4 | 3.1 | 3.5 | 3.1 | 3.5 | 1.4 | 1.6 |
| 19:00 | 6.6 | 16.2 | 6.5 | 3.1 | 3.6 | 3.1 | 3.7 | 1.4 | 1.6 |
| 20:00 | 6.4 | 29.7 | 6.3 | 3.3 | 4.5 | 3.3 | 4.5 | 1.5 | 2.0 |
| 21:00 | 9.6 | 22.1 | 9.8 | 3.3 | 4.3 | 3.5 | 4.4 | 1.5 | 2.0 |
| 22:00 | 9.0 | 30.3 | 9.0 | 2.3 | 3.3 | 2.4 | 3.4 | 1.1 | 1.5 |
| 23:00 | 11.7 | 20.1 | 11.5 | 3.4 | 3.8 | 3.5 | 3.9 | 1.6 | 1.7 |
| Avg | 14.3 | 30.0 | 15.0 | 4.8 | 4.8 | 4.0 | 5.2 | 1.8 | 2.3 |
| Max | 48.3 | 59.9 | 60.4 | 6.8 | 9.2 | 7.2 | 9.5 | 3.2 | 4.2 |
| Hr. of Max | 16 | 01 | 01 | 14 | 14 | 14 | 14 | 14 | 14 |
| Min | 5.1 | 16.2 | 5.0 | .1 | .4 | .7 | .7 | .3 | .3 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

Date Printed: 12/21/2018 01:31

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

# Daily Summary Report

Site: Tower "D" (1000 Area)

12/20/2018

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 | 1.8 | 2.8 | 2.0 | 3.0 | .9 | 1.3 | .8 | .8 | .01 |
| 01:00 | .3 | .5 | 1.1 | 1.0 | .5 | .5 | 1.8 | -.2 | .03 |
| 02:00 | 1.3 | 4.2 | 1.6 | 4.4 | .7 | 1.9 | -.5 | -.1 | -.08 |
| 03:00 | .2 | 2.4 | .9 | 2.5 | .4 | 1.1 | 1.8 | .3 | .02 |
| 04:00 | 2.8 | 7.2 | 3.0 | 7.2 | 1.3 | 3.2 | -2.6 | -2.0 | -.24 |
| 05:00 | 2.6 | 6.9 | 2.8 | 7.0 | 1.3 | 3.1 | -2.5 | -2.2 | -.22 |
| 06:00 | 3.4 | 9.3 | 3.7 | 9.4 | 1.6 | 4.2 | -.7 | -.9 | -.21 |
| 07:00 | 2.9 | 8.9 | 3.2 | 9.1 | 1.4 | 4.0 | 1.1 | -.4 | -.06 |
| 08:00 | 2.1 | 6.1 | 2.4 | 6.3 | 1.1 | 2.8 | -1.6 | .8 | -.10 |
| 09:00 | 2.3 | 7.1 | 2.5 | 7.1 | 1.1 | 3.2 | -3.2 | -.6 | -.21 |
| 10:00 | 1.7 | 5.7 | 1.8 | 5.8 | .8 | 2.6 | -3.3 | .8 | -.13 |
| 11:00 | 2.4 | 7.9 | 2.6 | 8.0 | 1.2 | 3.6 | 3.3 | .0 | -.06 |
| 12:00 | 3.2 | 8.1 | 3.5 | 8.3 | 1.6 | 3.7 | .3 | -.1 | -.14 |
| 13:00 | 3.1 | 8.7 | 3.5 | 8.8 | 1.6 | 3.9 | 1.9 | .1 | -.10 |
| 14:00 | 3.9 | 9.6 | 4.4 | 9.9 | 2.0 | 4.4 | -.1 | 1.1 | -.26 |
| 15:00 | .8 | 3.5 | 2.1 | 4.4 | .9 | 1.9 | -.6 | -.7 | -.05 |
| 16:00 | 1.3 | 1.8 | 1.6 | 2.3 | .7 | 1.0 | 3.4 | 2.2 | .08 |
| 17:00 | 1.4 | 1.9 | 1.7 | 2.3 | .7 | 1.0 | 1.9 | .9 | .05 |
| 18:00 | 2.1 | 3.7 | 2.2 | 3.7 | 1.0 | 1.7 | 1.6 | 2.2 | .03 |
| 19:00 | 2.1 | 3.8 | 2.2 | 3.9 | 1.0 | 1.7 | .0 | .4 | -.02 |
| 20:00 | 2.0 | 4.7 | 2.2 | 4.7 | 1.0 | 2.1 | 1.2 | 1.6 | .02 |
| 21:00 | 2.0 | 4.5 | 2.2 | 4.6 | 1.0 | 2.1 | 2.2 | 1.8 | .03 |
| 22:00 | 1.6 | 3.5 | 1.8 | 3.6 | .8 | 1.6 | 1.1 | .2 | .00 |
| 23:00 | 2.2 | 4.0 | 2.4 | 4.1 | 1.1 | 1.8 | 2.4 | .8 | .06 |
| Avg | 3.9 | 3.9 | 2.4 | 5.5 | 1.1 | 2.4 | .4 | .3 | -.06 |
| Max | 3.9 | 9.6 | 4.4 | 9.9 | 2.0 | 4.4 | 3.4 | 2.2 | .08 |
| Hr. of Max | 14 | 14 | 14 | 14 | 14 | 14 | 16 | 18 | 16 |
| Min | .2 | .5 | .9 | 1.0 | .4 | .5 | -3.3 | -2.2 | -.26 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

Date Printed: 12/21/2018 01:31

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

# Daily Summary Report

Site: Tower "D" (1000 Area)

12/20/2018

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 | .06 | 8.9 | 7.3 | 5.6 | 7.7 | 5.0 | 5.6 | 6.8 |
| 01:00 | .01 | 3.2 | 3.2 | 3.6 | 10.0 | 18.8 | 5.8 | 6.9 |
| 02:00 | -.05 | 5.7 | 6.9 | 4.4 | 14.6 | 7.1 | 6.0 | 6.5 |
| 03:00 | .01 | 4.1 | 5.0 | 2.9 | 7.7 | 5.0 | 6.1 | 6.6 |
| 04:00 | -.26 | 8.7 | 9.8 | 7.1 | 14.7 | 3.4 | 6.4 | 6.4 |
| 05:00 | -.27 | 14.4 | 14.0 | 8.6 | 15.9 | 4.4 | 6.6 | 6.4 |
| 06:00 | -.18 | 12.6 | 17.6 | 9.8 | 16.8 | 5.0 | 6.8 | 6.5 |
| 07:00 | -.11 | 11.9 | 18.3 | 8.8 | 18.3 | 6.0 | 7.1 | 6.9 |
| 08:00 | .01 | 11.0 | 16.0 | 7.4 | 17.2 | 9.9 | 7.0 | 6.8 |
| 09:00 | -.09 | 12.1 | 16.3 | 6.0 | 15.4 | 5.0 | 6.6 | 6.5 |
| 10:00 | .06 | 10.1 | 16.3 | 5.3 | 12.9 | 5.7 | 7.2 | 7.1 |
| 11:00 | -.05 | 10.5 | 12.6 | 8.9 | 21.7 | 5.4 | 7.7 | 7.4 |
| 12:00 | -.08 | 11.4 | 15.6 | 10.0 | 17.9 | 8.2 | 8.0 | 7.6 |
| 13:00 | -.06 | 16.3 | 18.5 | 10.8 | 21.7 | 9.2 | 8.3 | 7.9 |
| 14:00 | .05 | 25.0 | 26.8 | 15.5 | 22.2 | 10.7 | 8.7 | 8.2 |
| 15:00 | -.07 | 12.4 | 18.1 | 7.2 | 19.0 | 11.6 | 8.8 | 8.4 |
| 16:00 | .05 | 5.7 | 6.0 | 5.6 | 13.3 | 15.6 | 8.8 | 8.4 |
| 17:00 | .02 | 5.0 | 5.7 | 4.6 | 8.0 | 13.1 | 8.8 | 8.4 |
| 18:00 | .14 | 4.6 | 9.2 | 4.6 | 9.9 | 3.6 | 8.7 | 8.3 |
| 19:00 | .04 | 6.9 | 9.6 | 4.3 | 9.4 | 2.8 | 8.7 | 8.2 |
| 20:00 | .14 | 6.6 | 7.8 | 4.7 | 14.1 | 2.6 | 8.6 | 8.2 |
| 21:00 | .14 | 5.7 | 6.9 | 4.2 | 11.2 | 3.3 | 8.6 | 8.2 |
| 22:00 | .00 | 6.0 | 6.2 | 4.8 | 9.7 | 4.8 | 8.6 | 8.2 |
| 23:00 | .05 | 10.1 | 11.9 | 5.2 | 11.8 | 4.6 | 8.6 | 8.1 |
| Avg | -.02 | 9.5 | 11.9 | 6.7 | 14.2 | 7.1 | 7.6 | 7.5 |
| Max | .14 | 25.0 | 26.8 | 15.5 | 22.2 | 18.8 | 8.8 | 8.4 |
| Hr. of Max | 21 | 14 | 14 | 14 | 14 | 01 | 17 | 17 |
| Min | -.27 | 3.2 | 3.2 | 2.9 | 7.7 | 2.6 | 5.6 | 6.4 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | |