Date Printed: 10/12/2018 01:31

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

# Daily Summary Report

Site: Tower "D" (1000 Area)

10/11/2018

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 | 22.6 | 22.9 | 22.9 | 23.0 | 72.8 | 73.2 | 73.3 | 73.4 | .26 |
| 01:00 | 22.4 | 22.6 | 22.6 | 22.6 | 72.4 | 72.7 | 72.7 | 72.7 | .15 |
| 02:00 | 22.2 | 22.3 | 22.4 | 22.5 | 71.9 | 72.2 | 72.3 | 72.4 | .17 |
| 03:00 | 22.0 | 22.1 | 22.2 | 22.2 | 71.6 | 71.9 | 71.9 | 71.9 | .14 |
| 04:00 | 21.7 | 21.7 | 21.6 | 21.7 | 71.0 | 71.1 | 71.0 | 71.0 | .04 |
| 05:00 | 21.5 | 21.5 | 21.5 | 21.7 | 70.6 | 70.7 | 70.7 | 71.0 | .06 |
| 06:00 | 21.3 | 21.4 | 21.4 | 21.5 | 70.3 | 70.5 | 70.5 | 70.6 | .11 |
| 07:00 | 21.0 | 21.1 | 21.0 | 21.0 | 69.8 | 69.9 | 69.7 | 69.8 | .06 |
| 08:00 | 20.8 | 20.8 | 20.6 | 20.7 | 69.4 | 69.4 | 69.2 | 69.2 | .00 |
| 09:00 | 20.8 | 20.8 | 20.7 | 20.8 | 69.4 | 69.4 | 69.3 | 69.5 | .00 |
| 10:00 | 21.0 | 20.9 | 20.7 | 20.7 | 69.8 | 69.6 | 69.3 | 69.2 | -.16 |
| 11:00 | 21.3 | 20.9 | 20.7 | 20.7 | 70.4 | 69.7 | 69.3 | 69.2 | -.41 |
| 12:00 | 21.5 | 20.9 | 20.7 | 20.6 | 70.7 | 69.7 | 69.3 | 69.2 | -.57 |
| 13:00 | 22.5 | 21.6 | 21.2 | 21.1 | 72.5 | 70.8 | 70.1 | 70.1 | -.91 |
| 14:00 | 22.1 | 21.1 | 20.6 | 20.5 | 71.8 | 70.0 | 69.2 | 69.0 | -1.02 |
| 15:00 | 21.0 | 20.0 | 19.7 | 19.6 | 69.8 | 68.1 | 67.4 | 67.2 | -.94 |
| 16:00 | 20.4 | 19.6 | 19.2 | 19.1 | 68.7 | 67.3 | 66.6 | 66.4 | -.81 |
| 17:00 | 19.2 | 18.6 | 18.3 | 18.3 | 66.5 | 65.6 | 65.0 | 64.9 | -.51 |
| 18:00 | 17.2 | 17.2 | 17.0 | 17.0 | 63.0 | 62.9 | 62.7 | 62.6 | -.04 |
| 19:00 | 14.7 | 15.6 | 15.8 | 15.8 | 58.4 | 60.2 | 60.3 | 60.4 | .99 |
| 20:00 | 12.7 | 14.6 | 15.6 | 15.7 | 54.9 | 58.3 | 60.1 | 60.3 | 1.86 |
| 21:00 | 11.9 | 13.0 | 13.9 | 14.5 | 53.5 | 55.4 | 57.0 | 58.2 | 1.06 |
| 22:00 | 11.4 | 13.1 | 14.0 | 14.2 | 52.5 | 55.6 | 57.2 | 57.6 | 1.69 |
| 23:00 | 11.6 | 13.4 | 13.7 | 13.8 | 52.9 | 56.1 | 56.6 | 56.8 | 1.80 |
| Avg | 19.4 | 19.5 | 19.5 | 19.6 | 66.9 | 67.1 | 67.1 | 67.2 | .13 |
| Max | 22.6 | 22.9 | 22.9 | 23.0 | 72.8 | 73.2 | 73.3 | 73.4 | 1.86 |
| Hr. of Max | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 20 |
| Min | 11.4 | 13.0 | 13.7 | 13.8 | 52.5 | 55.4 | 56.6 | 56.8 | -1.02 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

Date Printed: 10/12/2018 01:31

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

# Daily Summary Report

Site: Tower "D" (1000 Area)

10/11/2018

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 | .28 | .36 | .02 | .10 | 21.7 | 22.0 | 71.1 | 71.6 | 22.3 |
| 01:00 | .15 | .19 | .00 | .04 | 21.6 | 21.7 | 70.8 | 71.0 | 22.0 |
| 02:00 | .25 | .31 | .08 | .14 | 21.3 | 21.4 | 70.3 | 70.6 | 21.7 |
| 03:00 | .14 | .18 | .01 | .04 | 21.1 | 21.3 | 70.0 | 70.3 | 21.6 |
| 04:00 | -.04 | -.02 | -.09 | -.06 | 20.8 | 20.9 | 69.5 | 69.6 | 21.2 |
| 05:00 | .06 | .22 | .00 | .16 | 20.6 | 20.7 | 69.2 | 69.3 | 21.0 |
| 06:00 | .10 | .17 | -.01 | .06 | 20.5 | 20.6 | 68.9 | 69.1 | 20.9 |
| 07:00 | -.04 | .02 | -.10 | -.04 | 20.2 | 20.3 | 68.4 | 68.5 | 20.5 |
| 08:00 | -.12 | -.08 | -.12 | -.08 | 20.0 | 20.0 | 68.0 | 68.0 | 20.3 |
| 09:00 | -.04 | .06 | -.04 | .06 | 20.0 | 20.0 | 68.1 | 68.1 | 20.3 |
| 10:00 | -.30 | -.33 | -.14 | -.17 | 19.8 | 19.6 | 67.6 | 67.3 | 20.0 |
| 11:00 | -.61 | -.66 | -.20 | -.25 | 18.2 | 17.8 | 64.8 | 64.1 | 18.9 |
| 12:00 | -.80 | -.87 | -.23 | -.30 | 16.4 | 15.8 | 61.5 | 60.5 | 17.5 |
| 13:00 | -1.31 | -1.35 | -.39 | -.44 | 14.7 | 13.9 | 58.5 | 57.0 | 16.5 |
| 14:00 | -1.48 | -1.58 | -.45 | -.56 | 12.1 | 11.2 | 53.8 | 52.1 | 14.5 |
| 15:00 | -1.33 | -1.41 | -.38 | -.47 | 10.9 | 10.0 | 51.5 | 50.0 | 13.3 |
| 16:00 | -1.18 | -1.27 | -.37 | -.46 | 10.6 | 9.8 | 51.0 | 49.7 | 13.1 |
| 17:00 | -.82 | -.88 | -.31 | -.37 | 9.3 | 8.8 | 48.7 | 47.8 | 12.1 |
| 18:00 | -.20 | -.20 | -.15 | -.16 | 9.5 | 9.5 | 49.1 | 49.0 | 12.0 |
| 19:00 | 1.09 | 1.14 | .11 | .15 | 10.5 | 11.4 | 50.8 | 52.5 | 12.8 |
| 20:00 | 2.88 | 2.99 | 1.03 | 1.13 | 11.0 | 12.8 | 51.8 | 55.0 | 13.4 |
| 21:00 | 1.93 | 2.59 | .88 | 1.54 | 10.9 | 11.9 | 51.6 | 53.5 | 12.3 |
| 22:00 | 2.58 | 2.83 | .89 | 1.13 | 10.6 | 12.2 | 51.0 | 54.0 | 12.5 |
| 23:00 | 2.07 | 2.15 | .27 | .35 | 10.9 | 12.7 | 51.7 | 54.9 | 12.9 |
| Avg | .14 | .19 | .01 | .06 | 16.0 | 16.1 | 60.7 | 61.0 | 17.2 |
| Max | 2.88 | 2.99 | 1.03 | 1.54 | 21.7 | 22.0 | 71.1 | 71.6 | 22.3 |
| Hr. of Max | 20 | 20 | 20 | 21 | 00 | 00 | 00 | 00 | 00 |
| Min | -1.48 | -1.58 | -.45 | -.56 | 9.3 | 8.8 | 48.7 | 47.8 | 12.0 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

Date Printed: 10/12/2018 01:31

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

# Daily Summary Report

Site: Tower "D" (1000 Area)

10/11/2018

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 | 19.8 | 97.3 | 97.3 | 19.1 | 19.4 | 0.017076 | 0.017347 | 0.017557 | 0.017836 |
| 01:00 | 20.1 | 97.3 | 97.3 | 18.9 | 19.1 | 0.01689 | 0.017041 | 0.01736 | 0.017515 |
| 02:00 | 19.5 | 97.2 | 97.2 | 18.6 | 18.8 | 0.016591 | 0.016763 | 0.017061 | 0.017238 |
| 03:00 | 19.2 | 97.3 | 97.3 | 18.5 | 18.6 | 0.016469 | 0.016607 | 0.016921 | 0.017063 |
| 04:00 | 19.3 | 97.4 | 97.4 | 18.1 | 18.2 | 0.016151 | 0.016194 | 0.016588 | 0.016632 |
| 05:00 | 19.6 | 97.6 | 97.6 | 17.9 | 18.0 | 0.015969 | 0.016029 | 0.016366 | 0.016427 |
| 06:00 | 19.7 | 97.8 | 97.8 | 17.8 | 17.9 | 0.01584 | 0.015943 | 0.016203 | 0.016309 |
| 07:00 | 20.0 | 97.7 | 97.7 | 17.5 | 17.6 | 0.015549 | 0.015607 | 0.015908 | 0.015968 |
| 08:00 | 20.4 | 97.8 | 97.8 | 17.3 | 17.3 | 0.015328 | 0.01533 | 0.01567 | 0.015672 |
| 09:00 | 17.7 | 97.9 | 97.9 | 17.3 | 17.3 | 0.015339 | 0.015339 | 0.015671 | 0.015672 |
| 10:00 | 15.7 | 94.9 | 94.9 | 17.0 | 16.9 | 0.015101 | 0.014956 | 0.015905 | 0.015752 |
| 11:00 | 19.1 | 84.7 | 84.7 | 15.5 | 15.1 | 0.0137 | 0.01336 | 0.016202 | 0.015794 |
| 12:00 | 19.7 | 74.2 | 74.2 | 13.8 | 13.3 | 0.012144 | 0.011722 | 0.016382 | 0.01581 |
| 13:00 | 18.0 | 63.0 | 63.0 | 12.4 | 11.8 | 0.010937 | 0.010343 | 0.017378 | 0.016432 |
| 14:00 | 18.8 | 54.1 | 54.1 | 10.5 | 9.9 | 0.009195 | 0.008631 | 0.016994 | 0.015957 |
| 15:00 | 19.0 | 53.3 | 53.3 | 9.7 | 9.2 | 0.008451 | 0.007971 | 0.015833 | 0.014937 |
| 16:00 | 18.9 | 54.1 | 54.1 | 9.5 | 9.1 | 0.008273 | 0.007864 | 0.015275 | 0.014523 |
| 17:00 | 18.8 | 53.6 | 53.6 | 8.7 | 8.5 | 0.007571 | 0.007333 | 0.014118 | 0.013674 |
| 18:00 | 19.2 | 61.5 | 61.5 | 8.9 | 8.9 | 0.007664 | 0.007645 | 0.012499 | 0.01246 |
| 19:00 | 19.1 | 77.3 | 77.3 | 9.6 | 10.2 | 0.008157 | 0.008707 | 0.010604 | 0.011286 |
| 20:00 | 19.3 | 90.2 | 90.2 | 10.0 | 11.1 | 0.008429 | 0.009514 | 0.009345 | 0.010551 |
| 21:00 | 18.9 | 94.6 | 94.6 | 9.9 | 10.6 | 0.008379 | 0.008986 | 0.008856 | 0.009496 |
| 22:00 | 18.2 | 95.9 | 95.9 | 9.7 | 10.8 | 0.008185 | 0.009157 | 0.008538 | 0.009552 |
| 23:00 | 18.8 | 96.9 | 96.9 | 10.0 | 11.1 | 0.008394 | 0.009449 | 0.00866 | 0.009748 |
| Avg | 19.0 | 84.3 | 84.3 | 14.0 | 14.1 | 0.012324 | 0.01241 | 0.014662 | 0.014679 |
| Max | 20.4 | 97.9 | 97.9 | 19.1 | 19.4 | 0.017076 | 0.017347 | 0.017557 | 0.017836 |
| Hr. of Max | 08 | 09 | 09 | 00 | 00 | 00 | 00 | 00 | 00 |
| Min | 15.7 | 53.3 | 53.3 | 8.7 | 8.5 | 0.007571 | 0.007333 | 0.008538 | 0.009496 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

Date Printed: 10/12/2018 01:31

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

# Daily Summary Report

Site: Tower "D" (1000 Area)

10/11/2018

Interval: 001h

| | 27_VaporPr_002m | 28_VaporPr_015m | )_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 | 26.1 | 26.5 | 27.6 | 28.0 | .05 | 28.83 | 976.5 | -1.4 | .00 |
| 01:00 | 25.8 | 26.0 | 27.2 | 27.5 | .08 | 28.82 | 975.9 | -1.4 | .00 |
| 02:00 | 25.3 | 25.6 | 26.8 | 27.0 | .19 | 28.81 | 975.6 | -1.4 | .00 |
| 03:00 | 25.2 | 25.4 | 26.5 | 26.7 | .13 | 28.79 | 975.0 | -1.4 | .00 |
| 04:00 | 24.7 | 24.7 | 26.0 | 26.1 | .02 | 28.78 | 974.7 | -1.4 | .00 |
| 05:00 | 24.4 | 24.5 | 25.6 | 25.7 | .04 | 28.78 | 974.7 | -1.4 | .00 |
| 06:00 | 24.2 | 24.4 | 25.4 | 25.6 | .07 | 28.78 | 974.7 | -1.3 | .00 |
| 07:00 | 23.8 | 23.9 | 24.9 | 25.0 | .04 | 28.79 | 975.0 | .1 | .00 |
| 08:00 | 23.5 | 23.5 | 24.6 | 24.6 | .01 | 28.80 | 975.5 | 12.1 | .02 |
| 09:00 | 23.5 | 23.5 | 24.6 | 24.6 | .00 | 28.82 | 976.0 | 48.8 | .07 |
| 10:00 | 23.1 | 22.9 | 25.0 | 24.7 | .00 | 28.84 | 976.5 | 138.0 | .20 |
| 11:00 | 21.1 | 20.5 | 25.4 | 24.8 | .01 | 28.85 | 977.0 | 378.9 | .54 |
| 12:00 | 18.7 | 18.1 | 25.7 | 24.8 | .00 | 28.87 | 977.6 | 497.7 | .71 |
| 13:00 | 16.9 | 16.0 | 27.3 | 25.8 | .00 | 28.88 | 978.1 | 779.2 | 1.12 |
| 14:00 | 14.3 | 13.4 | 26.7 | 25.1 | .00 | 28.89 | 978.5 | 799.5 | 1.15 |
| 15:00 | 13.1 | 12.4 | 24.9 | 23.5 | .00 | 28.91 | 979.0 | 699.1 | 1.00 |
| 16:00 | 12.9 | 12.2 | 24.1 | 22.9 | .00 | 28.92 | 979.4 | 525.6 | .75 |
| 17:00 | 11.8 | 11.4 | 22.2 | 21.5 | .00 | 28.94 | 980.0 | 309.5 | .44 |
| 18:00 | 11.9 | 11.9 | 19.7 | 19.6 | .00 | 28.96 | 980.8 | 62.5 | .09 |
| 19:00 | 12.7 | 13.6 | 16.7 | 17.8 | .00 | 28.99 | 981.7 | .2 | .00 |
| 20:00 | 13.1 | 14.8 | 14.8 | 16.7 | .00 | 29.00 | 982.3 | -1.4 | .00 |
| 21:00 | 13.1 | 14.0 | 14.0 | 15.0 | .00 | 29.03 | 982.9 | -1.3 | .00 |
| 22:00 | 12.8 | 14.3 | 13.5 | 15.1 | .00 | 29.04 | 983.5 | -1.3 | .00 |
| 23:00 | 13.1 | 14.7 | 13.7 | 15.4 | .00 | 29.05 | 983.7 | -1.4 | .00 |
| Avg | 19.0 | 19.1 | 23.0 | 23.1 | .03 | 28.88 | 978.1 | 176.5 | .25 |
| Max | 26.1 | 26.5 | 27.6 | 28.0 | .19 | 29.05 | 983.7 | 799.5 | 1.15 |
| Hr. of Max | 00 | 00 | 00 | 00 | 02 | 23 | 23 | 14 | 14 |
| Min | 11.8 | 11.4 | 13.5 | 15.0 | .00 | 28.78 | 974.7 | -1.4 | .00 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

Date Printed: 10/12/2018 01:31

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

# Daily Summary Report

Site: Tower "D" (1000 Area)

10/11/2018

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 | 48.6 | 45.1 | 46.4 | 43.6 | 48.3 | 34.4 | 47.8 | 32.8 | 11.8 |
| 01:00 | 12.8 | 10.8 | 13.8 | 12.2 | 357.3 | 358.8 | 350.7 | .4 | 14.6 |
| 02:00 | 19.8 | 22.3 | 19.2 | 22.4 | 6.4 | 10.2 | 6.6 | 10.3 | 13.6 |
| 03:00 | 6.1 | 8.5 | 9.1 | 9.7 | 349.6 | 356.7 | 350.5 | 358.1 | 16.1 |
| 04:00 | 348.5 | 347.0 | 348.0 | 346.9 | 330.7 | 335.7 | 334.6 | 335.6 | 19.8 |
| 05:00 | 348.0 | 358.5 | 348.9 | 358.8 | 317.2 | 347.7 | 319.8 | 348.2 | 10.9 |
| 06:00 | 336.7 | 344.1 | 335.0 | 349.1 | 289.5 | 333.5 | 292.6 | 338.6 | 16.8 |
| 07:00 | 293.0 | 299.1 | 293.8 | 299.9 | 272.3 | 290.3 | 272.7 | 290.7 | 15.2 |
| 08:00 | 287.5 | 289.2 | 278.5 | 286.1 | 255.1 | 281.9 | 251.9 | 278.7 | 30.0 |
| 09:00 | 277.4 | 287.4 | 279.1 | 288.0 | 259.4 | 279.8 | 259.2 | 280.3 | 15.8 |
| 10:00 | 275.7 | 284.2 | 276.6 | 283.9 | 259.8 | 277.2 | 260.2 | 276.8 | 19.8 |
| 11:00 | 291.6 | 295.9 | 292.3 | 296.2 | 272.9 | 288.0 | 273.3 | 288.0 | 20.1 |
| 12:00 | 239.1 | 248.1 | 246.6 | 260.5 | 223.2 | 241.5 | 225.2 | 252.4 | 35.1 |
| 13:00 | 269.7 | 274.6 | 270.2 | 275.1 | 258.4 | 267.8 | 257.1 | 267.8 | 24.2 |
| 14:00 | 277.8 | 281.2 | 278.5 | 281.3 | 266.6 | 273.8 | 267.5 | 273.7 | 22.0 |
| 15:00 | 282.3 | 286.3 | 282.3 | 286.7 | 270.2 | 278.4 | 269.1 | 278.5 | 23.0 |
| 16:00 | 285.8 | 287.9 | 285.4 | 288.0 | 274.3 | 280.2 | 271.9 | 280.0 | 19.9 |
| 17:00 | 282.9 | 284.8 | 283.3 | 285.1 | 272.2 | 276.2 | 270.7 | 276.1 | 19.5 |
| 18:00 | 274.3 | 279.1 | 275.3 | 280.0 | 257.6 | 272.3 | 259.2 | 272.7 | 17.2 |
| 19:00 | 273.6 | 281.3 | 274.1 | 281.2 | 260.7 | 274.2 | 259.2 | 273.8 | 15.2 |
| 20:00 | 281.9 | 288.6 | 282.1 | 289.0 | 284.8 | 280.6 | 282.4 | 280.9 | 6.5 |
| 21:00 | 246.7 | 265.7 | 260.2 | 270.0 | 254.2 | 259.1 | 256.0 | 262.6 | 48.7 |
| 22:00 | 283.9 | 286.1 | 283.6 | 286.0 | 272.6 | 278.4 | 270.9 | 278.1 | 7.3 |
| 23:00 | 328.3 | 331.5 | 321.9 | 329.5 | 297.9 | 320.7 | 292.2 | 319.3 | 18.2 |
| Avg | 300.0 | 306.0 | .0 | .0 | 283.0 | 297.0 | .0 | .0 | 19.2 |
| Max | 348.5 | 358.5 | 348.9 | 358.8 | 357.3 | 358.8 | 350.7 | 358.1 | 48.7 |
| Hr. of Max | 04 | 05 | 05 | 05 | 01 | 01 | 01 | 03 | 21 |
| Min | 6.1 | 8.5 | 9.1 | 9.7 | 6.4 | 10.2 | 6.6 | .4 | 6.5 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

Date Printed: 10/12/2018 01:31

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

# Daily Summary Report

Site: Tower "D" (1000 Area)

10/11/2018

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 | 9.5 | 23.8 | 10.2 | 3.9 | 5.7 | 4.1 | 5.8 | 1.8 | 2.6 |
| 01:00 | 14.2 | 35.7 | 12.3 | 4.2 | 5.7 | 4.6 | 6.2 | 2.1 | 2.8 |
| 02:00 | 11.8 | 35.6 | 10.0 | 6.3 | 8.2 | 6.6 | 8.4 | 3.0 | 3.8 |
| 03:00 | 14.6 | 32.6 | 12.7 | 4.6 | 6.3 | 5.0 | 6.9 | 2.2 | 3.1 |
| 04:00 | 14.6 | 29.1 | 12.4 | 2.9 | 4.8 | 3.1 | 5.0 | 1.4 | 2.3 |
| 05:00 | 11.5 | 24.6 | 6.8 | 2.5 | 4.0 | 2.6 | 4.1 | 1.2 | 1.8 |
| 06:00 | 17.6 | 35.8 | 17.9 | 2.2 | 3.4 | 2.4 | 3.6 | 1.1 | 1.6 |
| 07:00 | 10.8 | 18.4 | 10.2 | 2.9 | 4.0 | 3.1 | 4.1 | 1.4 | 1.9 |
| 08:00 | 21.4 | 40.6 | 20.9 | 2.2 | 3.4 | 2.6 | 3.8 | 1.2 | 1.7 |
| 09:00 | 13.9 | 18.9 | 12.5 | 5.1 | 6.8 | 5.3 | 7.0 | 2.4 | 3.1 |
| 10:00 | 17.0 | 24.4 | 15.5 | 6.1 | 7.3 | 6.4 | 7.5 | 2.9 | 3.4 |
| 11:00 | 16.5 | 22.2 | 14.9 | 6.9 | 8.5 | 7.3 | 8.9 | 3.3 | 4.0 |
| 12:00 | 39.2 | 34.1 | 38.3 | 4.2 | 4.3 | 5.7 | 6.2 | 2.6 | 2.8 |
| 13:00 | 21.4 | 30.5 | 20.9 | 6.9 | 7.7 | 7.5 | 8.2 | 3.4 | 3.7 |
| 14:00 | 18.9 | 31.2 | 17.8 | 9.8 | 11.8 | 10.4 | 12.3 | 4.6 | 5.5 |
| 15:00 | 19.9 | 26.4 | 18.4 | 9.7 | 11.5 | 10.3 | 12.1 | 4.6 | 5.4 |
| 16:00 | 16.4 | 22.2 | 15.0 | 9.8 | 11.9 | 10.3 | 12.3 | 4.6 | 5.5 |
| 17:00 | 15.6 | 22.1 | 14.1 | 9.4 | 11.5 | 9.9 | 11.9 | 4.4 | 5.3 |
| 18:00 | 12.5 | 18.9 | 11.5 | 7.8 | 10.2 | 8.1 | 10.4 | 3.6 | 4.7 |
| 19:00 | 12.4 | 16.5 | 11.5 | 4.7 | 6.3 | 5.0 | 6.5 | 2.2 | 2.9 |
| 20:00 | 7.7 | 14.1 | 6.8 | 4.8 | 5.1 | 4.8 | 5.2 | 2.2 | 2.3 |
| 21:00 | 18.5 | 25.7 | 18.2 | 2.8 | 4.7 | 3.5 | 5.0 | 1.6 | 2.2 |
| 22:00 | 6.3 | 17.1 | 5.5 | 4.6 | 6.3 | 4.6 | 6.4 | 2.1 | 2.8 |
| 23:00 | 13.7 | 36.1 | 12.3 | 2.9 | 4.5 | 3.3 | 4.8 | 1.5 | 2.2 |
| Avg | 15.7 | 26.5 | 14.4 | 4.9 | 4.9 | 5.7 | 7.2 | 2.6 | 3.2 |
| Max | 39.2 | 40.6 | 38.3 | 9.8 | 11.9 | 10.4 | 12.3 | 4.6 | 5.5 |
| Hr. of Max | 12 | 08 | 12 | 16 | 16 | 14 | 16 | 16 | 16 |
| Min | 6.3 | 14.1 | 5.5 | 2.2 | 3.4 | 2.4 | 3.6 | 1.1 | 1.6 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

Date Printed: 10/12/2018 01:31

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

# Daily Summary Report

Site: Tower "D" (1000 Area)

10/11/2018

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 | 2.0 | 6.0 | 2.1 | 6.1 | .9 | 2.7 | -4.7 | -.2 | -.22 |
| 01:00 | 2.0 | 6.1 | 2.6 | 6.6 | 1.2 | 2.9 | -3.8 | -1.2 | -.27 |
| 02:00 | 2.7 | 8.6 | 3.2 | 8.8 | 1.4 | 3.9 | 1.5 | .2 | -.16 |
| 03:00 | 2.2 | 6.7 | 2.7 | 7.2 | 1.2 | 3.2 | -2.0 | .5 | -.24 |
| 04:00 | 1.8 | 5.1 | 2.0 | 5.2 | .9 | 2.3 | -2.3 | -.7 | -.16 |
| 05:00 | 1.4 | 4.2 | 1.5 | 4.3 | .7 | 1.9 | -3.4 | .2 | -.13 |
| 06:00 | 1.3 | 3.6 | 1.7 | 3.8 | .8 | 1.7 | -1.5 | .8 | -.08 |
| 07:00 | 1.9 | 3.9 | 2.1 | 4.1 | .9 | 1.8 | -1.6 | -3.2 | -.12 |
| 08:00 | 1.6 | 3.5 | 2.0 | 3.9 | .9 | 1.7 | 3.3 | 1.1 | .06 |
| 09:00 | 3.7 | 6.9 | 3.9 | 7.1 | 1.8 | 3.2 | -2.3 | -1.7 | -.24 |
| 10:00 | 4.8 | 7.6 | 5.1 | 7.9 | 2.3 | 3.5 | -1.7 | -1.7 | -.32 |
| 11:00 | 5.4 | 8.8 | 5.9 | 9.1 | 2.6 | 4.1 | -2.4 | -2.7 | -.44 |
| 12:00 | 4.2 | 4.8 | 5.6 | 6.8 | 2.5 | 3.0 | -1.5 | -5.3 | -.23 |
| 13:00 | 6.1 | 8.3 | 6.7 | 8.7 | 3.0 | 3.9 | .9 | 1.3 | -.27 |
| 14:00 | 7.4 | 12.4 | 8.0 | 12.9 | 3.6 | 5.7 | -.6 | -2.5 | -.61 |
| 15:00 | 7.8 | 12.1 | 8.5 | 12.6 | 3.8 | 5.6 | -2.7 | -3.2 | -.78 |
| 16:00 | 8.0 | 12.2 | 8.5 | 12.6 | 3.8 | 5.6 | -3.4 | -2.0 | -.81 |
| 17:00 | 7.3 | 11.8 | 7.7 | 12.2 | 3.5 | 5.4 | -1.1 | -4.7 | -.47 |
| 18:00 | 6.1 | 10.5 | 6.5 | 10.7 | 2.9 | 4.8 | -2.1 | -2.5 | -.41 |
| 19:00 | 3.3 | 6.6 | 3.6 | 6.7 | 1.6 | 3.0 | -2.5 | -2.9 | -.23 |
| 20:00 | 2.7 | 5.1 | 2.7 | 5.1 | 1.2 | 2.3 | -2.8 | -.8 | -.18 |
| 21:00 | 1.8 | 4.7 | 2.2 | 5.0 | 1.0 | 2.2 | -.4 | 1.6 | -.05 |
| 22:00 | 2.3 | 6.2 | 2.4 | 6.3 | 1.1 | 2.8 | -1.1 | .2 | -.09 |
| 23:00 | 1.7 | 4.8 | 2.0 | 5.0 | .9 | 2.3 | -.7 | -1.2 | -.07 |
| Avg | 4.2 | 4.2 | 4.1 | 7.4 | 1.9 | 3.3 | -1.6 | -1.3 | -.27 |
| Max | 8.0 | 12.4 | 8.5 | 12.9 | 3.8 | 5.7 | 3.3 | 1.6 | .06 |
| Hr. of Max | 16 | 14 | 16 | 14 | 16 | 14 | 08 | 21 | 08 |
| Min | 1.3 | 3.5 | 1.5 | 3.8 | .7 | 1.7 | -4.7 | -5.3 | -.81 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | | |

Date Printed: 10/12/2018 01:31

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

# Daily Summary Report

Site: Tower "D" (1000 Area)

10/11/2018

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 | -.05 | 12.4 | 19.0 | 6.4 | 16.6 | 6.7 | 24.5 | 24.3 |
| 01:00 | -.22 | 9.6 | 14.2 | 7.2 | 19.3 | 8.8 | 24.1 | 23.9 |
| 02:00 | -.06 | 13.7 | 17.2 | 10.3 | 22.2 | 8.3 | 23.9 | 23.7 |
| 03:00 | .00 | 11.4 | 12.6 | 7.7 | 19.9 | 8.6 | 23.7 | 23.5 |
| 04:00 | -.12 | 6.2 | 14.0 | 5.8 | 18.7 | 8.9 | 23.3 | 22.9 |
| 05:00 | .00 | 4.8 | 8.9 | 4.7 | 12.2 | 4.1 | 23.1 | 22.9 |
| 06:00 | -.05 | 5.7 | 8.2 | 4.2 | 16.4 | 10.9 | 22.9 | 22.7 |
| 07:00 | -.26 | 7.8 | 8.0 | 5.2 | 13.4 | 6.5 | 22.6 | 22.2 |
| 08:00 | -.01 | 6.4 | 7.3 | 4.9 | 18.5 | 12.4 | 22.2 | 21.8 |
| 09:00 | -.32 | 10.8 | 12.1 | 9.5 | 13.3 | 10.0 | 22.2 | 21.9 |
| 10:00 | -.48 | 14.2 | 16.7 | 16.6 | 17.0 | 14.4 | 22.2 | 21.6 |
| 11:00 | -.70 | 18.1 | 19.5 | 16.7 | 17.7 | 12.9 | 22.0 | 21.4 |
| 12:00 | -.63 | 27.9 | 24.3 | 18.8 | 19.7 | 20.8 | 21.8 | 21.1 |
| 13:00 | -.09 | 24.0 | 27.5 | 16.7 | 20.6 | 17.2 | 22.2 | 21.3 |
| 14:00 | -.99 | 22.0 | 24.0 | 22.6 | 21.8 | 14.9 | 21.5 | 20.4 |
| 15:00 | -1.16 | 24.5 | 23.4 | 21.5 | 19.2 | 14.9 | 20.4 | 19.5 |
| 16:00 | -.77 | 19.9 | 30.0 | 20.6 | 17.5 | 12.5 | 20.0 | 19.1 |
| 17:00 | -1.35 | 20.6 | 28.9 | 18.7 | 17.4 | 12.1 | 19.0 | 18.3 |
| 18:00 | -.64 | 17.2 | 20.4 | 17.8 | 14.7 | 9.7 | 17.6 | 17.1 |
| 19:00 | -.41 | 17.2 | 20.2 | 12.7 | 12.7 | 9.4 | 16.1 | 16.0 |
| 20:00 | -.11 | 11.9 | 15.3 | 5.6 | 8.4 | 5.8 | 15.0 | 16.0 |
| 21:00 | .16 | 9.2 | 11.9 | 5.2 | 8.7 | 6.7 | 13.5 | 14.8 |
| 22:00 | .00 | 13.1 | 16.9 | 5.7 | 9.8 | 4.7 | 13.4 | 14.5 |
| 23:00 | -.16 | 6.6 | 10.3 | 6.5 | 16.0 | 9.2 | 13.8 | 13.9 |
| Avg | -.35 | 14.0 | 17.1 | 11.3 | 16.3 | 10.4 | 20.5 | 20.2 |
| Max | .16 | 27.9 | 30.0 | 22.6 | 22.2 | 20.8 | 24.5 | 24.3 |
| Hr. of Max | 21 | 12 | 16 | 14 | 02 | 12 | 00 | 00 |
| Min | -1.35 | 4.8 | 7.3 | 4.2 | 8.4 | 4.1 | 13.4 | 13.9 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | | | |