Date Printed: 09/13/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/12/2016

Interval: 001h

	01_TempC_002m	02_TempC_015m	03_TempC_035m	04_TempC_060m	09_VTGrad_0215m	10_VTGrad_0235m	11_VTGrad_0260m	12_VTGrad_1535m	13_VTGrad_1560m
Hour	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC
00:00	16.4	19.6	20.1	20.4	3.24	3.66	4.03	.42	.79
01:00	15.6	18.1	19.2	19.7	2.56	3.69	4.15	1.12	1.59
02:00	15.0	17.4	18.5	19.2	2.33	3.45	4.19	1.12	1.85
03:00	14.5	16.7	17.7	18.5	2.13	3.14	3.98	1.00	1.85
04:00	13.8	16.0	16.6	17.3	2.20	2.76	3.49	.56	1.29
05:00	13.3	15.3	16.0	17.0	2.02	2.73	3.76	.71	1.74
06:00	13.0	14.8	15.5	16.7	1.75	2.42	3.69	.68	1.94
07:00	12.8	14.4	15.1	16.1	1.60	2.26	3.32	.67	1.72
08:00	15.7	15.8	16.0	16.8	.13	.31	1.14	.17	1.01
09:00	20.4	19.8	19.5	19.4	-.61	-.87	-.97	-.26	-.37
10:00	23.6	22.6	22.2	21.9	-.99	-1.40	-1.61	-.40	-.62
11:00	26.1	24.8	24.4	24.2	-1.30	-1.69	-1.89	-.39	-.59
12:00	28.7	27.3	26.9	26.7	-1.46	-1.87	-2.00	-.42	-.55
13:00	30.2	28.6	28.3	28.2	-1.62	-1.96	-2.04	-.35	-.42
14:00	31.3	29.7	29.3	29.2	-1.62	-2.00	-2.10	-.38	-.48
15:00	32.1	30.6	30.2	30.1	-1.49	-1.91	-2.00	-.42	-.51
16:00	32.6	31.4	31.0	30.8	-1.24	-1.61	-1.85	-.38	-.61
17:00	32.6	31.6	31.3	31.2	-1.00	-1.34	-1.41	-.34	-.41
18:00	31.3	31.7	31.5	31.5	.35	.18	.15	-.16	-.20
19:00	26.5	29.1	30.3	30.6	2.57	3.76	4.05	1.18	1.48
20:00	23.3	26.3	27.0	27.8	3.00	3.70	4.53	.70	1.54
21:00	21.3	23.8	24.4	25.8	2.55	3.13	4.50	.58	1.94
22:00	20.2	22.4	23.0	24.3	2.16	2.75	4.05	.59	1.89
23:00	19.9	21.9	22.4	24.8	1.96	2.46	4.92	.49	2.96
Avg	22.1	22.9	23.2	23.7	.80	1.07	1.59	.27	.78
Max	32.6	31.7	31.5	31.5	3.24	3.76	4.92	1.18	2.96
Hr. of Max	17	18	18	18	00	19	23	19	23
Min	12.8	14.4	15.1	16.1	-1.62	-2.00	-2.10	-.42	-.62
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/13/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/12/2016

Interval: 001h

	14_DewPtC_002m	15_DewPtC_015m	17a_WBulbC	18_SoilTempC	19_RH_002m	20_RH_015m	21_AbsHum_002m	22_AbsHum_015m	23_Mix Ratio_002m
Hour	DEGC	DEGC	DEGC	DEGC	PERCENT	PERCENT	G/M3	G/M3	COUNT
00:00	12.4	12.3	13.7	26.5	78.3	63.5	10.8	10.6	0.009208
01:00	12.3	12.5	13.4	26.2	82.4	71.1	10.8	10.8	0.009171
02:00	12.3	12.8	13.2	25.9	85.1	75.9	10.8	11.1	0.009159
03:00	12.2	12.9	13.0	25.6	87.4	79.8	10.7	11.2	0.009111
04:00	11.9	13.0	12.6	25.4	89.7	83.7	10.6	11.3	0.00893
05:00	11.6	13.0	12.1	25.1	90.8	87.4	10.3	11.2	0.00871
06:00	11.5	12.9	12.0	24.8	91.5	89.9	10.3	11.2	0.008661
07:00	11.2	12.7	11.8	24.6	91.4	91.0	10.1	11.1	0.008512
08:00	12.3	12.0	13.4	24.3	81.5	79.1	10.8	10.5	0.00915
09:00	13.6	12.9	15.9	24.1	66.6	66.1	11.6	11.1	0.01
10:00	12.7	12.3	16.3	24.0	51.8	53.4	10.8	10.6	0.009461
11:00	12.5	12.3	17.1	24.1	44.0	46.7	10.7	10.5	0.009382
12:00	12.1	11.9	17.6	24.4	36.7	39.4	10.3	10.2	0.009136
13:00	13.3	13.4	19.0	24.9	36.5	40.2	11.1	11.2	0.009932
14:00	13.2	13.4	19.2	25.6	34.2	37.9	11.0	11.2	0.00989
15:00	12.2	12.3	18.8	26.2	30.7	33.5	10.3	10.4	0.009278
16:00	12.4	12.2	19.2	26.7	30.3	31.9	10.5	10.3	0.009441
17:00	12.1	11.8	19.0	27.0	29.7	30.7	10.2	10.1	0.009247
18:00	11.9	10.7	18.4	27.3	31.5	28.5	10.1	9.4	0.009088
19:00	13.7	11.7	18.0	27.4	46.5	35.1	11.5	10.0	0.010166
20:00	13.7	13.1	16.9	27.4	56.3	45.3	11.6	11.0	0.010148
21:00	13.8	13.9	16.3	27.2	63.8	54.8	11.7	11.7	0.010192
22:00	14.3	14.5	16.3	27.0	70.1	62.3	12.1	12.2	0.010499
23:00	14.7	15.0	16.4	26.8	73.3	66.2	12.4	12.6	0.010753
Avg	12.7	12.7	15.8	25.8	61.7	58.1	10.9	10.9	0.009468
Max	14.7	15.0	19.2	27.4	91.5	91.0	12.4	12.6	0.010753
Hr. of Max	23	23	16	20	06	07	23	23	23
Min	11.2	10.7	11.8	24.0	29.7	28.5	10.1	9.4	0.008512
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/13/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/12/2016

Interval: 001h

	24_Mix Ratio_015m	27_VaporPr_002m	28_VaporPr_015m	34_Precip_In	36_BarPres_In	37_BarPres_Mb	38_SolarRad_Wm2	39_SolarRad_Lang	40_WDir_015m
Hour	COUNT	KPa	KPa	INCHES	INHG	KPa	W/M2	Langleys	DEG
00:00	0.009153	14.4	14.3	.00	29.21	989.2	-1.7	.00	30.8
01:00	0.009309	14.4	14.6	.00	29.20	988.9	-1.4	.00	354.9
02:00	0.009489	14.3	14.9	.00	29.19	988.5	-1.6	.00	52.7
03:00	0.009534	14.3	14.9	.00	29.19	988.4	-2.2	.00	338.5
04:00	0.009603	14.0	15.0	.00	29.19	988.5	-2.6	.00	335.2
05:00	0.009562	13.7	15.0	.00	29.20	988.9	-2.9	.00	347.4
06:00	0.009523	13.6	14.9	.00	29.21	989.2	-2.8	.00	39.6
07:00	0.009403	13.4	14.7	.00	29.22	989.7	19.7	.03	53.4
08:00	0.008943	14.4	14.0	.00	29.23	990.0	208.8	.30	132.4
09:00	0.009569	15.7	15.0	.00	29.24	990.3	440.2	.63	95.9
10:00	0.009194	14.8	14.4	.00	29.25	990.5	633.8	.91	78.9
11:00	0.009217	14.7	14.5	.00	29.24	990.2	779.3	1.12	53.8
12:00	0.008989	14.3	14.1	.00	29.22	989.6	871.3	1.25	63.8
13:00	0.009949	15.5	15.6	.00	29.20	988.9	899.2	1.29	229.4
14:00	0.009991	15.5	15.6	.00	29.18	988.4	884.3	1.27	251.7
15:00	0.009291	14.5	14.5	.00	29.16	987.6	798.7	1.14	238.8
16:00	0.009277	14.8	14.5	.00	29.14	986.8	652.4	.94	258.3
17:00	0.009048	14.4	14.1	.00	29.13	986.4	359.2	.51	240.6
18:00	0.008415	14.2	13.2	.00	29.12	986.3	196.1	.28	270.6
19:00	0.008919	15.9	13.9	.00	29.13	986.4	21.2	.03	324.3
20:00	0.009754	15.8	15.2	.00	29.14	986.9	-1.5	.00	5.4
21:00	0.010223	15.9	16.0	.00	29.17	987.7	-2.1	.00	53.6
22:00	0.010641	16.4	16.6	.00	29.18	988.2	-3.2	.00	331.1
23:00	0.010956	16.8	17.1	.00	29.19	988.6	-2.1	.00	14.3
Avg	0.009498	14.8	14.9	.00	29.19	988.5	280.8	.40	4.0
Max	0.010956	16.8	17.1	.00	29.25	990.5	899.2	1.29	354.9
Hr. of Max	23	23	23	23	10	10	13	13	01
Min	0.008415	13.4	13.2	.00	29.12	986.3	-3.2	.00	5.4
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/13/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/12/2016

Interval: 001h

	41_WDir_035m	42_WDir_060m	46_SWDir_015m	47_SWDir_060m	50_Sigma_015m	51_Sigma_035m	52_Sigma_060m	55_RWSpd_015m	56_RWSpd_035m
Hour	DEG	DEG	DEG	DEG	DEG	DEG	DEG	MPH	MPH
00:00	60.1	62.6	31.2	51.2	24.3	9.6	6.0	1.1	2.5
01:00	64.3	59.4	335.7	47.5	47.7	11.0	7.0	.4	1.7
02:00	51.5	64.1	53.5	52.8	33.0	9.0	4.2	.8	2.5
03:00	55.7	54.0	298.0	41.7	58.0	27.5	5.3	.3	1.8
04:00	49.9	55.7	329.2	42.0	33.7	38.7	4.3	.5	.7
05:00	55.3	59.0	307.5	44.6	31.6	33.3	10.3	.5	.4
06:00	55.2	54.9	39.5	42.8	20.5	11.2	4.4	.4	1.7
07:00	52.6	51.5	57.7	38.3	24.1	6.8	3.8	.4	1.9
08:00	77.6	52.6	149.0	39.6	36.5	23.5	11.3	.3	1.4
09:00	76.3	63.6	98.8	51.4	30.6	29.5	21.4	3.0	3.4
10:00	73.6	70.3	79.6	58.9	31.5	24.9	20.2	3.6	4.4
11:00	65.7	66.6	54.7	48.6	63.9	57.5	53.7	1.1	1.5
12:00	79.4	128.8	90.2	129.0	64.2	55.2	54.1	.7	.5
13:00	241.7	242.9	239.3 +	235.0	71.9	60.6	50.8	2.6	3.7
14:00	261.2	255.8	254.6	249.3	45.5	38.4	32.5	4.1	5.4
15:00	242.6	235.6	243.5	231.6	63.8	59.8	53.2	2.9	3.6
16:00	294.0	283.1	267.6	275.4	55.8	60.7	52.6	1.5	1.9
17:00	250.3	252.0	247.6	245.4	45.8	38.7	28.5	2.9	3.6
18:00	264.9	261.9	268.0	255.7	57.7	51.0	32.4	1.1	1.8
19:00	354.1	92.6	320.5	345.7	11.9	27.9	22.0	.9	.6
20:00	60.6	62.9	7.3	49.5	31.0	14.8	6.4	.6	1.6
21:00	64.4	60.8	59.9	47.6	31.3	12.5	5.3	.5	1.6
22:00	85.9	102.6	315.7	80.3	35.5	34.2	33.7	.4	.1
23:00	53.5	269.4	7.4	264.4	37.5	20.8	30.5	.3	1.2
Avg	51.0	60.0	349.0	33.0	41.1	31.5	23.1	.0	.0
Max	354.1	283.1	335.7	345.7	71.9	60.7	54.1	4.1	5.4
Hr. of Max	19	16	01	19	13	16	12	14	14
Min	49.9	51.5	7.3	38.3	11.9	6.8	3.8	.3	.1
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/13/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/12/2016

Interval: 001h

	57_RWSpd_060m	58_WSpd_015m	59_WSpd_035m	60_WSpd_060m	66_HSSpd_015m	67_HSSpd_060m	70_WElev_015m	71_WElev_060m	72_VSSpd_015m
Hour	MPH	MPH	MPH	MPH	MPH	MPH	DEG	DEG	MPH
00:00	4.9	1.2	2.6	4.9	1.4	5.1	2.0	-1.2	.03
01:00	3.8	.6	1.8	3.8	.8	4.0	1.7	.2	.03
02:00	4.7	.9	2.5	4.8	1.1	4.9	2.8	.3	.06
03:00	4.2	.6	1.9	4.3	.9	4.4	1.7	1.1	.02
04:00	2.5	.5	.8	2.5	.7	2.7	2.1	.9	.03
05:00	2.3	.7	.9	2.3	1.0	2.5	2.2	.0	.03
06:00	3.8	.4	1.8	3.9	.6	4.0	3.1	2.0	.05
07:00	3.9	.4	1.9	4.0	.7	4.2	4.6	1.2	.07
08:00	3.1	.5	1.5	3.2	.9	3.4	1.2	.4	.01
09:00	4.1	3.2	3.7	4.3	3.9	4.7	4.8	7.3	.21
10:00	4.9	4.3	5.0	5.3	4.7	5.8	.9	2.1	-.02
11:00	1.7	2.1	2.3	2.4	2.6	3.1	-.6	-7.3	.04
12:00	.3	2.7	2.7	2.4	3.3	3.2	.2	-1.9	.05
13:00	4.4	4.5	5.0	5.6	5.0	6.3	-1.8	.1	-.25
14:00	6.3	5.2	6.3	7.0	5.8	7.8	-1.2	-2.1	-.33
15:00	4.2	4.3	4.9	5.4	4.9	6.1	-2.0	-3.0	-.29
16:00	2.4	2.9	3.1	3.6	3.5	4.3	1.6	-2.0	.00
17:00	4.0	3.6	4.2	4.5	4.2	5.1	-4.2	-11.5	-.38
18:00	2.3	1.5	2.1	2.5	1.8	2.9	3.2	-3.4	.02
19:00	.7	.9	1.0	1.3	1.1	1.5	-1.9	.4	-.03
20:00	2.5	.7	1.6	2.5	.9	2.7	4.3	-.1	.07
21:00	2.7	.6	1.6	2.8	.8	3.0	3.4	-.3	.05
22:00	.6	.9	1.6	2.0	1.1	2.3	.8	-.1	.00
23:00	.9	.7	1.3	1.5	.9	1.7	2.3	-.4	.03
Avg	.0	1.8	2.6	3.6	2.2	4.0	1.3	-.7	-.02
Max	6.3	5.2	6.3	7.0	5.8	7.8	4.8	7.3	.21
Hr. of Max	14	14	14	14	14	14	09	09	09
Min	.3	.4	.8	1.3	.6	1.5	-4.2	-11.5	-.38
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/13/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/12/2016

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	86_SonicTemp_015m	87_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	-.12	3.0	6.4	9.2	9.6	4.2	20.3	20.9
01:00	.00	2.1	3.4	7.3	9.1	4.4	18.8	20.2
02:00	.02	3.4	4.8	7.8	8.5	2.4	18.0	19.7
03:00	.08	1.8	4.8	8.0	7.3	3.0	17.4	19.0
04:00	.06	1.1	2.5	4.6	7.1	3.2	16.8	17.9
05:00	.03	2.5	3.4	6.0	7.9	4.6	16.1	17.7
06:00	.14	2.5	4.8	6.9	9.2	2.1	15.6	17.4
07:00	.09	1.8	3.2	8.5	8.4	1.9	15.2	16.8
08:00	-.01	2.5	4.8	8.5	18.6	10.1	16.7	17.5
09:00	.46	9.4	9.8	12.4	21.0	20.2	20.7	20.0
10:00	.17	9.6	13.3	13.7	18.4	17.9	23.4	22.3
11:00	-.38	9.6	9.4	7.6	31.7	35.1	25.6	24.7
12:00	-.08	8.7	10.3	7.1	28.8	35.2	27.9	27.0
13:00	-.22	12.8	13.1	14.4	23.8	26.1	29.2	28.3
14:00	-.58	15.8	16.7	18.3	21.9	21.9	30.2	29.2
15:00	-.60	15.1	15.8	14.7	22.8	26.0	31.0	30.0
16:00	-.34	10.8	10.3	12.4	29.5	29.5	31.9	30.9
17:00	-1.10	10.5	12.1	12.1	21.2	20.7	32.1	31.2
18:00	-.15	5.5	6.0	6.2	24.6	23.0	32.1	31.4
19:00	.01	2.3	3.0	3.0	7.5	5.5	29.5	30.7
20:00	.00	2.3	3.9	5.7	8.3	2.7	26.8	28.4
21:00	.00	1.8	3.0	4.4	8.4	2.7	24.5	26.4
22:00	.02	7.1	7.3	9.4	9.5	9.5	23.2	25.0
23:00	.00	2.5	3.2	3.9	8.3	12.0	22.8	25.5
Avg	-.10	6.0	7.3	8.8	15.5	13.5	23.6	24.1
Max	.46	15.8	16.7	18.3	31.7	35.2	32.1	31.4
Hr. of Max	09	14	14	14	11	12	18	18
Min	-1.10	1.1	2.5	3.0	7.1	1.9	15.2	16.8
Count	24	24	24	24	24	24	24	24
Total								