Date Printed: 06/13/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/12/2016

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	20.7	22.4	23.0	23.7	1.76	2.31	3.00	.55	1.24
01:00	20.1	21.6	22.0	22.5	1.53	1.86	2.43	.34	.90
02:00	19.9	21.0	21.4	22.1	1.09	1.55	2.26	.47	1.17
03:00	19.7	20.7	21.2	21.9	.93	1.50	2.15	.57	1.22
04:00	19.2	19.9	20.6	21.5	.74	1.42	2.38	.68	1.64
05:00	18.6	19.7	20.0	21.1	1.08	1.41	2.47	.33	1.39
06:00	18.5	19.7	20.0	20.5	1.20	1.54	2.08	.34	.87
07:00	19.6	19.9	20.1	20.5	.34	.53	.93	.18	.59
08:00	21.8	21.5	21.5	21.8	-.24	-.32	.04	-.08	.28
09:00	25.1	24.5	24.3	24.2	-.55	-.83	-.90	-.28	-.35
10:00	27.7	26.9	26.7	26.6	-.74	-1.02	-1.12	-.28	-.38
11:00	29.9	29.0	28.7	28.6	-.91	-1.21	-1.36	-.30	-.44
12:00	30.3	29.6	29.3	29.2	-.73	-1.04	-1.12	-.31	-.39
13:00	31.5	30.5	30.2	30.1	-.99	-1.30	-1.35	-.31	-.37
14:00	32.4	31.2	31.0	30.9	-1.18	-1.46	-1.56	-.28	-.38
15:00	32.8	31.7	31.3	31.2	-1.10	-1.44	-1.55	-.34	-.45
16:00	32.7	31.8	31.5	31.3	-.91	-1.22	-1.38	-.31	-.47
17:00	32.3	31.6	31.3	31.2	-.66	-.96	-1.08	-.30	-.42
18:00	31.6	31.3	31.0	31.0	-.37	-.60	-.63	-.23	-.26
19:00	28.5	29.7	30.3	30.5	1.13	1.80	1.98	.67	.85
20:00	26.1	28.5	29.8	30.0	2.35	3.73	3.95	1.38	1.60
21:00	24.1	26.0	27.3	28.4	1.94	3.23	4.34	1.29	2.40
22:00	22.7	24.7	25.4	26.3	2.01	2.67	3.64	.66	1.63
23:00	21.9	23.6	24.5	25.3	1.71	2.55	3.39	.84	1.68
Avg	25.3	25.7	25.9	26.3	.39	.61	.96	.22	.56
Max	32.8	31.8	31.5	31.3	2.35	3.73	4.34	1.38	2.40
Hr. of Max	15	16	16	16	20	20	21	20	21
Min	18.5	19.7	20.0	20.5	-1.18	-1.46	-1.56	-.34	-.47
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 06/13/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/12/2016

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	18.1	18.5	19.0	24.7	87.5	80.6	15.4	15.7	0.013439
01:00	18.1	18.7	18.8	24.5	90.4	85.6	15.4	15.9	0.013412
02:00	18.2	18.8	18.8	24.3	92.1	89.3	15.5	16.0	0.013485
03:00	18.1	18.9	18.6	24.1	92.4	91.8	15.4	16.1	0.013406
04:00	17.8	18.8	18.3	23.9	93.9	95.7	15.2	16.1	0.013161
05:00	17.4	18.8	17.8	23.7	94.6	96.6	14.8	16.1	0.012822
06:00	17.3	18.8	17.7	23.5	94.8	97.1	14.7	16.1	0.012709
07:00	18.1	18.2	18.6	23.3	93.5	91.9	15.5	15.5	0.013426
08:00	18.9	18.6	19.9	23.2	85.8	85.4	16.1	15.8	0.014104
09:00	19.2	18.4	21.2	23.1	71.8	70.3	16.3	15.5	0.014394
10:00	19.7	18.7	22.3	23.1	63.6	62.4	16.6	15.7	0.014874
11:00	18.8	17.7	22.5	23.2	53.1	52.0	15.7	14.7	0.014114
12:00	17.6	16.7	21.8	23.5	48.0	47.1	14.5	13.7	0.013065
13:00	16.8	15.8	21.7	23.9	42.6	42.3	13.8	13.0	0.012441
14:00	16.1	15.1	21.5	24.4	38.7	38.7	13.2	12.4	0.011923
15:00	16.0	15.0	21.6	24.7	37.7	37.7	13.1	12.3	0.011846
16:00	16.4	15.5	21.8	25.1	39.0	38.6	13.5	12.7	0.012214
17:00	16.9	16.1	22.0	25.4	41.0	40.5	13.8	13.2	0.012558
18:00	17.9	16.8	22.5	25.7	45.5	43.3	14.8	13.8	0.013393
19:00	20.0	18.1	22.8	25.8	61.8	51.6	16.9	15.1	0.01522
20:00	20.2	18.7	22.1	25.9	71.8	57.3	17.2	15.6	0.015368
21:00	19.7	18.9	21.2	25.8	78.6	66.7	16.8	15.9	0.014907
22:00	19.1	19.1	20.3	25.7	81.8	72.7	16.2	16.1	0.014297
23:00	19.0	19.4	20.0	25.5	85.7	79.3	16.2	16.6	0.014264
Avg	18.1	17.8	20.5	24.4	70.2	67.3	15.3	15.0	0.013535
Max	20.2	19.4	22.8	25.9	94.8	97.1	17.2	16.6	0.015368
Hr. of Max	20	23	19	20	06	06	20	23	20
Min	16.0	15.0	17.7	23.1	37.7	37.7	13.1	12.3	0.011846
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 06/13/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/12/2016

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	0.01379	20.9	21.4	.00	29.18	988.2	-2.0	.00	318.5
01:00	0.013948	20.9	21.7	.00	29.18	988.2	-1.8	.00	1.7
02:00	0.013996	21.0	21.7	.00	29.18	988.1	-2.9	.00	313.8
03:00	0.014101	20.8	21.9	.00	29.17	987.8	-1.3	.00	257.1
04:00	0.01404	20.5	21.8	.00	29.16	987.7	-2.2	.00	246.9
05:00	0.013994	20.0	21.7	.00	29.17	988.0	-2.6	.00	263.7
06:00	0.014026	19.8	21.8	.00	29.18	988.2	9.2	.01	17.5
07:00	0.013479	20.9	21.0	.00	29.19	988.5	61.7	.09	223.9
08:00	0.013829	21.9	21.5	.00	29.20	989.0	225.8	.32	229.5
09:00	0.013642	22.4	21.2	.00	29.21	989.2	541.9	.78	218.3
10:00	0.013981	23.1	21.7	.00	29.20	988.8	743.3	1.07	177.9
11:00	0.013129	21.9	20.4	.00	29.19	988.7	851.3	1.22	261.5
12:00	0.012312	20.3	19.2	.00	29.19	988.4	712.5	1.02	329.0
13:00	0.011671	19.4	18.2	.00	29.17	987.8	955.8	1.37	304.8
14:00	0.011157	18.6	17.4	.00	29.15	987.3	957.1	1.37	281.1
15:00	0.011121	18.4	17.3	.00	29.14	986.7	907.1	1.30	286.3
16:00	0.011483	19.0	17.9	.00	29.12	986.1	520.8	.75	286.3
17:00	0.011948	19.5	18.6	.00	29.10	985.6	408.8	.59	311.5
18:00	0.012509	20.8	19.4	.00	29.10	985.3	286.3	.41	293.3
19:00	0.01357	23.5	21.0	.00	29.09	985.2	163.2	.23	303.6
20:00	0.01406	23.8	21.8	.00	29.09	985.2	27.2	.04	319.0
21:00	0.014206	23.1	22.0	.00	29.09	985.3	-1.6	.00	315.1
22:00	0.014325	22.1	22.2	.00	29.10	985.5	-1.9	.00	295.7
23:00	0.01465	22.1	22.7	.00	29.11	985.7	-3.1	.00	288.8
Avg	0.01329	21.0	20.6	.00	29.15	987.3	306.4	.44	287.0
Max	0.01465	23.8	22.7	.00	29.21	989.2	957.1	1.37	329.0
Hr. of Max	23	20	23	23	09	09	14	14	12
Min	0.011121	18.4	17.3	.00	29.09	985.2	-3.1	.00	1.7
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 06/13/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/12/2016

Interval: 001h

	41_WDir_035m	42_WDir_060m	46_SWDir_015m	50_Sigma_015m	51_Sigma_035m	52_Sigma_060m	55_RWSpd_015m	56_RWSpd_035m	57_RWSpd_060m
Hour	DEG	DEG	DEG	DEG	DEG	DEG	MPH	MPH	MPH
00:00	63.5	161.2	310.6	53.2	56.1	28.5	.3	.4	.3
01:00	88.1	87.8	352.9	56.1	19.0	9.8	.5	1.0	1.5
02:00	297.1	169.1	286.9	38.6	25.3	55.6	.5	.2	.7
03:00	214.7	211.2	257.3	20.8	38.9	45.6	1.2	1.0	1.6
04:00	241.8	230.2	249.8	13.9	10.2	4.4	1.0	1.2	2.7
05:00	231.6	233.1	266.0	45.3	13.2	15.6	.7	2.2	2.5
06:00	220.7	196.6	355.0	54.9	36.1	25.3	.3	1.0	1.8
07:00	223.1	219.5	231.7	44.7	32.4	30.5	.8	.7	1.6
08:00	238.4	230.3	232.9	29.7	24.7	19.8	1.6	2.3	2.9
09:00	233.6	235.5	223.4	32.0	29.9	34.6	2.0	2.3	2.4
10:00	194.1	199.0	182.9	40.1	44.9	45.1	2.3	2.3	2.3
11:00	282.5	283.8	265.0	64.1	52.3	58.2	2.0	2.8	3.2
12:00	335.3	341.2	328.5	44.4	32.8	28.7	2.4	3.7	4.2
13:00	318.0	311.7	310.6	59.5	44.5	37.9	2.0	2.7	3.1
14:00	289.2	290.9	283.8	43.2	32.1	28.0	3.3	4.3	5.0
15:00	294.0	291.6	288.6	35.4	24.7	22.8	4.4	5.9	7.2
16:00	294.4	297.6	286.6	37.5	29.4	25.3	3.7	5.4	6.5
17:00	317.9	316.1	309.7	37.5	28.3	25.7	2.3	3.4	4.5
18:00	297.8	298.4	293.5	28.9	23.2	20.5	1.9	3.0	4.3
19:00	315.3	319.1	303.3	17.4	10.4	8.9	1.5	2.7	4.0
20:00	329.6	333.8	317.3	12.3	9.5	7.5	1.7	2.9	4.4
21:00	10.1	20.0	300.9	50.7	67.5	38.9	.4	.8	2.1
22:00	228.9	167.3	272.2	38.4	33.7	32.3	.8	1.0	.8
23:00	291.6	200.1	281.9	46.4	47.4	24.7	.6	.5	1.2
Avg	278.0	254.0	284.0	39.4	31.9	28.1	.0	.0	.0
Max	335.3	341.2	355.0	64.1	67.5	58.2	4.4	5.9	7.2
Hr. of Max	12	12	06	11	21	11	15	15	15
Min	10.1	20.0	182.9	12.3	9.5	4.4	.3	.2	.3
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 06/13/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/12/2016

Interval: 001h

	58_WSpd_015m	59_WSpd_035m	60_WSpd_060m	66_HSSpd_015m	67_HSSpd_060m	70_WElev_015m	71_WElev_060m	72_VSSpd_015m	73_VSSpd_060m
Hour	MPH	MPH	MPH	MPH	MPH	DEG	DEG	MPH	MPH
00:00	.4	.5	.4	.7	.9	1.5	-1.0	.02	-.01
01:00	.8	1.1	1.6	1.0	1.8	1.0	.8	.01	.03
02:00	.8	1.4	.7	1.1	1.2	1.6	1.9	.02	.03
03:00	1.3	1.3	1.7	1.6	1.9	.5	.6	.02	.03
04:00	1.0	1.2	2.7	1.4	2.9	.9	.8	.02	.04
05:00	.9	2.3	2.6	1.2	2.8	.9	1.9	.01	.09
06:00	.9	1.9	2.4	1.2	2.7	2.0	.9	.02	.05
07:00	.9	.8	1.8	1.3	2.1	-1.0	-1.4	-.04	-.02
08:00	1.7	2.5	3.1	2.2	3.3	-1.0	-1.8	-.07	-.13
09:00	2.3	2.6	2.7	2.8	3.2	-1.5	2.5	-.11	.09
10:00	2.7	2.8	2.8	3.3	3.3	1.3	-.8	.05	-.13
11:00	3.3	3.8	4.1	3.8	4.7	1.5	3.2	-.03	.01
12:00	3.3	4.7	5.5	3.9	6.0	-5.1	-4.4	-.52	-.54
13:00	3.4	4.0	4.3	3.9	4.9	-6.1	-.3	-.48	-.27
14:00	4.3	5.0	5.5	5.0	5.9	-1.9	-1.0	-.34	-.37
15:00	5.1	6.4	7.6	5.5	8.1	-4.7	-3.6	-.62	-.81
16:00	4.4	6.1	7.1	4.9	7.6	-1.3	-3.3	-.40	-.74
17:00	2.9	4.0	5.0	3.4	5.5	-2.1	-1.2	-.31	-.30
18:00	2.1	3.3	4.6	2.5	4.7	.8	-.6	-.12	-.21
19:00	1.6	2.9	4.2	1.7	4.2	-.1	-1.4	-.03	-.14
20:00	1.7	3.0	4.4	1.8	4.7	1.1	2.2	.01	.18
21:00	.6	.9	2.2	.9	2.5	1.5	5.0	.01	.28
22:00	.9	1.1	.9	1.2	1.3	.6	-1.5	.01	-.04
23:00	.7	1.1	1.4	1.0	1.7	1.6	-.2	.01	-.01
Avg	2.0	2.7	3.3	2.4	3.7	-.3	-.1	-.12	-.12
Max	5.1	6.4	7.6	5.5	8.1	2.0	5.0	.05	.28
Hr. of Max	15	15	15	15	15	06	21	10	21
Min	.4	.5	.4	.7	.9	-6.1	-4.4	-.62	-.81
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 06/13/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/12/2016

Interval: 001h

	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	82_SPkWsH_015m	83_SPkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	86_SonicTemp_015m	87_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	2.1	1.4	2.3	2.2	2.5	7.3	5.0	23.7	24.9
01:00	2.3	2.5	3.2	2.4	3.3	6.8	4.2	22.9	23.7
02:00	2.3	3.0	2.7	2.6	3.1	6.8	8.3	22.3	23.4
03:00	3.7	3.4	3.9	4.1	4.2	6.3	6.8	22.0	23.1
04:00	4.4	6.4	7.6	2.8	4.2	4.7	2.1	21.3	22.8
05:00	2.7	4.8	5.5	3.0	4.4	8.2	4.0	21.0	22.3
06:00	4.6	5.7	6.2	3.3	5.0	11.2	5.8	21.0	21.7
07:00	2.5	2.5	3.7	2.8	4.1	12.7	6.6	21.2	21.5
08:00	4.1	4.8	5.7	5.1	6.3	16.3	6.9	22.9	22.8
09:00	6.0	7.3	6.9	6.4	7.5	22.8	21.2	25.7	25.0
10:00	8.9	7.6	7.3	8.4	7.9	22.7	28.4	28.1	27.4
11:00	14.2	15.6	16.3	16.5	17.3	26.0	27.3	30.0	29.3
12:00	11.0	13.1	13.7	11.7	13.0	24.1	18.8	30.5	29.7
13:00	11.0	10.8	11.0	12.6	11.5	22.5	23.9	31.3	30.5
14:00	13.3	12.8	11.9	13.8	13.2	21.6	21.4	31.9	31.1
15:00	14.4	23.1	15.8	14.4	16.1	20.1	15.7	32.3	31.4
16:00	11.9	16.9	20.4	12.1	16.0	24.0	16.4	32.5	31.6
17:00	9.8	11.2	17.4	9.0	10.8	25.4	17.5	32.5	31.6
18:00	9.6	8.7	11.9	8.6	9.0	24.3	14.5	32.3	31.5
19:00	5.5	8.9	13.1	4.0	7.2	10.4	5.3	30.8	31.2
20:00	3.2	4.8	6.6	2.8	6.9	6.7	4.0	29.2	30.8
21:00	2.3	4.4	9.6	2.6	5.9	8.8	12.3	27.3	29.3
22:00	3.2	3.0	3.0	3.5	3.2	8.0	10.1	26.0	27.5
23:00	2.5	4.6	5.0	2.7	3.0	6.9	6.8	25.0	26.6
Avg	6.5	7.8	8.8	6.6	7.7	14.8	12.2	26.8	27.1
Max	14.4	23.1	20.4	16.5	17.3	26.0	28.4	32.5	31.6
Hr. of Max	15	15	16	11	11	11	10	17	17
Min	2.1	1.4	2.3	2.2	2.5	4.7	2.1	21.0	21.5
Count	24	24	24	24	24	24	24	24	24
Total									