Date Printed: 06/20/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/19/2016

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	20.2	22.2	22.8	23.8	2.08	2.64	3.66	.57	1.58
01:00	19.0	21.1	21.4	22.2	2.10	2.32	3.17	.22	1.07
02:00	18.5	20.3	20.7	21.3	1.84	2.19	2.78	.35	.94
03:00	17.5	19.1	19.9	20.8	1.66	2.39	3.35	.73	1.68
04:00	17.2	18.9	19.1	20.2	1.67	1.95	2.98	.28	1.31
05:00	16.9	18.3	18.6	19.3	1.43	1.75	2.46	.32	1.03
06:00	16.2	17.5	18.0	18.7	1.35	1.83	2.55	.48	1.20
07:00	17.1	18.0	18.3	18.7	.88	1.13	1.55	.25	.67
08:00	20.4	20.1	19.9	19.8	-.35	-.56	-.62	-.20	-.26
09:00	22.6	22.0	21.6	21.5	-.62	-.93	-1.11	-.31	-.49
10:00	24.0	23.1	22.8	22.7	-.84	-1.17	-1.31	-.34	-.47
11:00	25.1	24.1	23.8	23.7	-1.03	-1.33	-1.43	-.30	-.41
12:00	26.4	25.2	24.9	24.8	-1.24	-1.54	-1.61	-.30	-.37
13:00	27.5	26.1	25.7	25.5	-1.45	-1.88	-2.04	-.43	-.59
14:00	28.1	26.8	26.4	26.3	-1.28	-1.67	-1.85	-.39	-.57
15:00	28.6	27.5	27.1	27.0	-1.09	-1.50	-1.63	-.40	-.54
16:00	29.0	28.1	27.7	27.5	-.93	-1.33	-1.51	-.40	-.58
17:00	29.2	28.5	28.2	28.0	-.63	-.98	-1.15	-.34	-.51
18:00	29.2	28.5	28.2	28.1	-.69	-.99	-1.11	-.30	-.42
19:00	26.8	27.5	27.9	28.0	.63	1.01	1.13	.38	.50
20:00	23.5	25.2	26.5	26.9	1.71	2.99	3.45	1.28	1.73
21:00	21.5	23.6	24.5	25.2	2.09	3.01	3.68	.92	1.59
22:00	20.3	22.2	22.8	23.5	1.99	2.55	3.28	.56	1.30
23:00	19.4	21.0	21.7	22.4	1.58	2.29	3.00	.71	1.42
Avg	22.7	23.1	23.3	23.6	.45	.59	.90	.14	.45
Max	29.2	28.5	28.2	28.1	2.10	3.01	3.68	1.28	1.73
Hr. of Max	18	18	18	18	01	21	21	20	20
Min	16.2	17.5	18.0	18.7	-1.45	-1.88	-2.04	-.43	-.59
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 06/20/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/19/2016

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	16.2	15.4	17.6	25.9	79.8	66.4	13.7	12.9	0.01183
01:00	15.8	15.5	16.9	25.7	83.2	71.7	13.4	13.0	0.011498
02:00	15.6	15.3	16.6	25.4	85.1	74.5	13.2	12.9	0.011349
03:00	15.3	15.4	16.0	25.2	88.6	80.4	13.0	13.0	0.011096
04:00	15.2	15.3	15.9	24.9	89.9	81.3	13.0	12.9	0.011058
05:00	15.0	14.9	15.6	24.6	90.0	82.1	12.7	12.7	0.010848
06:00	14.7	14.8	15.2	24.4	92.2	85.6	12.5	12.6	0.010632
07:00	15.4	14.8	16.0	24.1	91.1	83.1	13.1	12.6	0.011134
08:00	15.1	13.9	16.9	23.9	73.1	69.2	12.7	11.8	0.010953
09:00	13.8	13.0	16.8	23.7	59.0	58.0	11.7	11.1	0.01011
10:00	13.7	12.8	17.2	23.7	53.9	53.2	11.6	10.9	0.010055
11:00	13.7	12.7	17.5	23.7	50.3	50.2	11.5	10.8	0.010033
12:00	13.4	12.4	17.7	23.9	45.7	46.0	11.3	10.6	0.009862
13:00	14.4	13.7	18.8	24.3	45.7	47.5	12.0	11.5	0.010546
14:00	14.4	13.7	19.0	24.8	44.3	45.7	12.0	11.5	0.010572
15:00	14.4	13.8	19.2	25.1	43.2	44.0	12.0	11.5	0.010604
16:00	14.7	14.0	19.5	25.5	43.0	43.2	12.2	11.7	0.010823
17:00	14.7	14.0	19.5	25.9	42.5	42.1	12.2	11.6	0.010802
18:00	14.9	14.1	19.6	26.2	43.1	42.4	12.3	11.7	0.010939
19:00	16.3	15.3	19.8	26.4	54.1	48.8	13.5	12.7	0.011947
20:00	17.3	15.8	19.3	26.5	69.7	57.4	14.5	13.1	0.012653
21:00	16.4	16.1	18.1	26.4	74.5	64.2	13.8	13.4	0.011983
22:00	16.1	16.4	17.5	26.2	78.4	71.0	13.5	13.7	0.011684
23:00	16.1	16.3	17.2	25.9	82.5	75.8	13.6	13.7	0.011685
Avg	15.1	14.6	17.6	25.1	66.8	61.8	12.7	12.2	0.011029
Max	17.3	16.4	19.8	26.5	92.2	85.6	14.5	13.7	0.012653
Hr. of Max	20	22	19	20	06	06	20	23	20
Min	13.4	12.4	15.2	23.7	42.5	42.1	11.3	10.6	0.009862
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 06/20/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/19/2016

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	0.011187	18.5	17.5	.00	29.33	993.3	-1.9	.00	23.6
01:00	0.011291	18.0	17.7	.00	29.34	993.6	-1.7	.00	34.5
02:00	0.011142	17.8	17.5	.00	29.34	993.7	-1.7	.00	58.3
03:00	0.011184	17.4	17.6	.00	29.35	993.8	-2.0	.00	356.2
04:00	0.011109	17.4	17.4	.00	29.36	994.2	-1.6	.00	38.5
05:00	0.010829	17.1	17.0	.00	29.37	994.7	-2.0	.00	48.8
06:00	0.010748	16.7	16.9	.00	29.38	995.1	7.4	.01	2.2
07:00	0.010738	17.5	16.9	.00	29.41	995.9	97.1	.14	358.7
08:00	0.010146	17.2	16.0	.00	29.42	996.5	362.0	.52	92.3
09:00	0.009555	15.9	15.1	.00	29.44	996.9	540.1	.77	71.1
10:00	0.009427	15.9	14.9	.00	29.44	997.0	707.3	1.01	160.4
11:00	0.009409	15.8	14.9	.00	29.44	997.0	704.6	1.01	168.3
12:00	0.009213	15.6	14.5	.00	29.43	996.6	1005.3	1.44	170.5
13:00	0.010052	16.6	15.8	.00	29.42	996.3	930.4	1.33	268.0
14:00	0.010104	16.6	15.9	.00	29.40	995.7	1012.3	1.45	63.2
15:00	0.010139	16.7	16.0	.00	29.38	994.8	880.6	1.26	115.2
16:00	0.010316	17.0	16.2	.00	29.36	994.3	560.5	.80	68.1
17:00	0.01031	17.0	16.2	.00	29.35	993.8	513.7	.74	112.4
18:00	0.010354	17.2	16.3	.00	29.34	993.5	372.8	.53	356.4
19:00	0.011212	18.7	17.6	.00	29.34	993.6	206.2	.30	335.9
20:00	0.01154	19.8	18.1	.00	29.35	993.8	19.8	.03	313.2
21:00	0.011716	18.8	18.4	.00	29.36	994.2	-2.3	.00	359.7
22:00	0.011943	18.3	18.7	.00	29.37	994.6	-1.4	.00	298.2
23:00	0.011839	18.3	18.6	.00	29.38	994.9	-1.7	.00	289.8
Avg	0.010646	17.3	16.7	.00	29.38	994.9	329.3	.47	32.0
Max	0.011943	19.8	18.7	.00	29.44	997.0	1012.3	1.45	359.7
Hr. of Max	22	20	22	23	11	11	14	14	21
Min	0.009213	15.6	14.5	.00	29.33	993.3	-2.3	.00	2.2
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 06/20/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/19/2016

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	45.0	99.1	26.1	27.1	53.5	48.4	.9	1.3	.5
01:00	75.5	75.5	38.1	20.1	10.3	22.9	.9	1.9	1.7
02:00	68.0	61.9	57.3	47.4	16.6	7.0	.9	2.0	4.0
03:00	49.9	71.2	4.3	57.4	19.3	14.0	.4	1.2	1.9
04:00	70.4	54.3	42.9	14.2	6.7	9.8	1.6	2.5	2.9
05:00	82.3	69.9	52.5	19.3	8.4	8.6	1.4	2.9	3.8
06:00	70.0	60.6	356.9	45.8	10.1	5.3	.5	1.5	3.3
07:00	50.7	65.2	345.8	54.7	24.0	7.4	.4	1.4	3.3
08:00	76.8	71.3	90.0	38.6	25.7	17.9	2.2	2.9	3.6
09:00	63.5	63.2	76.1	33.6	27.4	24.4	2.7	3.4	4.2
10:00	152.7	143.5	162.8	46.3	47.1	41.2	1.0	1.0	1.3
11:00	163.2	164.6	177.5	62.9	60.7	50.4	1.2	1.3	1.6
12:00	186.0	191.1	176.7	60.5	54.5	47.9	1.5	1.8	2.3
13:00	316.4	320.2	280.9	64.1	59.0	59.4	.6	1.0	1.3
14:00	57.1	54.4	66.1	62.0	52.6	40.3	2.3	3.1	3.4
15:00	110.8	109.3	118.1	61.1	61.0	54.4	1.8	2.1	2.4
16:00	75.4	74.6	69.4	49.1	47.3	35.6	1.7	2.2	2.9
17:00	108.3	106.7	116.8	41.4	46.9	44.4	2.5	2.7	3.1
18:00	17.6	33.0	354.1	57.0	51.7	43.8	.9	1.8	2.4
19:00	12.9	23.2	335.1	24.0	11.4	9.3	1.6	3.6	4.3
20:00	359.5	75.1	310.9	34.2	56.9	16.7	1.0	1.0	1.2
21:00	56.1	48.0	1.8	26.1	11.5	21.6	.9	1.9	1.9
22:00	58.8	113.1	295.4	27.8	34.2	5.8	.6	.4	.4
23:00	42.1	133.7	278.9	30.1	32.6	13.0	.4	.1	.0
Avg	66.0	79.0	32.0	41.9	34.6	27.1	.0	.0	.0
Max	359.5	320.2	356.9	64.1	61.0	59.4	2.7	3.6	4.3
Hr. of Max	20	13	06	13	15	13	09	19	19
Min	12.9	23.2	1.8	14.2	6.7	5.3	.4	.1	.0
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 06/20/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/19/2016

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	1.1	1.6	1.2	1.3	1.7	.8	1.6	.02	.05
01:00	1.0	1.9	1.7	1.1	2.1	1.2	1.3	.02	.05
02:00	1.1	2.1	4.1	1.3	4.3	.6	1.0	-.01	.08
03:00	.7	1.3	2.3	1.0	2.5	1.4	3.3	.03	.15
04:00	1.6	2.5	3.0	1.7	3.2	1.3	3.1	.03	.20
05:00	1.5	3.0	3.9	1.6	4.1	.0	.9	-.02	.04
06:00	.6	1.6	3.4	.9	3.5	.6	1.8	.02	.11
07:00	.6	1.5	3.3	1.0	3.5	1.7	-.9	.02	-.04
08:00	2.4	3.2	3.8	3.0	4.2	.9	2.3	-.04	.14
09:00	3.2	3.9	4.5	3.6	5.0	2.8	10.1	.12	.71
10:00	2.6	2.7	2.8	3.2	3.5	-4.1	-5.5	-.29	-.34
11:00	2.5	2.3	2.3	3.1	3.0	.0	-3.5	.06	-.13
12:00	2.9	2.9	3.0	3.5	3.8	.7	-.3	.11	-.02
13:00	2.8	3.2	3.5	3.4	4.1	2.1	-4.8	.03	-.40
14:00	3.6	4.1	4.3	4.3	4.9	-1.3	-.3	-.19	-.01
15:00	3.3	3.6	3.8	3.9	4.4	-.6	2.6	-.07	.11
16:00	3.1	3.6	3.8	3.7	4.5	-.9	1.8	-.08	.23
17:00	3.0	3.4	3.8	3.7	4.5	5.7	10.7	.28	.84
18:00	2.2	2.9	3.3	2.6	3.8	.3	1.6	-.08	-.03
19:00	1.8	3.8	4.4	2.1	4.7	-3.1	.2	-.16	-.01
20:00	1.2	1.1	1.4	1.5	1.8	1.6	.6	.03	.04
21:00	1.0	2.0	2.1	1.2	2.3	1.3	3.6	.03	.15
22:00	.7	.4	.4	.9	.7	1.5	.4	.02	.01
23:00	.4	.8	.0	.6	.4	.3	-.3	.00	.00
Avg	1.9	2.5	2.9	2.3	3.4	.6	1.3	-.01	.08
Max	3.6	4.1	4.5	4.3	5.0	5.7	10.7	.28	.84
Hr. of Max	14	14	09	14	09	17	17	17	17
Min	.4	.4	.0	.6	.4	-4.1	-5.5	-.29	-.40
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 06/20/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/19/2016

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	2.7	4.6	8.7	3.1	5.7	10.0	16.7	23.2	24.4
01:00	2.1	3.4	4.4	2.2	4.6	8.5	8.6	22.1	23.0
02:00	4.4	5.3	8.0	4.2	7.1	9.0	3.5	21.3	22.0
03:00	3.4	3.0	4.8	4.0	4.3	13.4	6.7	20.1	21.7
04:00	2.7	4.8	5.0	3.0	5.3	8.7	5.5	19.9	20.9
05:00	3.7	6.0	8.0	3.7	6.3	11.2	3.5	19.3	20.1
06:00	2.3	5.7	8.9	2.5	5.0	8.0	2.9	18.5	19.5
07:00	2.5	3.4	8.5	3.0	5.9	10.9	5.9	19.1	19.3
08:00	9.2	9.4	10.8	8.9	11.4	20.6	14.5	21.1	20.4
09:00	8.2	9.4	14.7	8.5	10.8	23.9	21.4	22.8	21.9
10:00	8.7	8.5	8.5	9.7	9.7	25.2	30.7	23.8	23.1
11:00	8.7	7.6	8.0	9.1	9.5	24.9	32.1	24.8	24.0
12:00	8.5	8.2	7.6	10.0	9.6	27.1	33.2	25.7	25.0
13:00	8.7	10.8	11.2	8.8	12.4	31.1	30.2	26.9	25.8
14:00	11.0	11.9	10.1	11.7	11.3	24.8	25.2	27.6	26.7
15:00	9.4	10.1	9.8	10.9	10.6	23.6	27.6	28.2	27.3
16:00	11.0	12.1	9.6	11.4	11.0	25.1	25.3	28.8	27.9
17:00	12.8	12.6	14.7	12.4	14.1	22.8	23.4	29.3	28.4
18:00	9.4	11.9	13.3	7.8	9.1	24.8	22.6	29.2	28.5
19:00	5.7	7.6	8.5	5.5	8.2	15.5	5.5	28.3	28.3
20:00	2.7	7.3	8.7	3.0	5.2	11.7	13.4	26.0	27.5
21:00	3.0	4.1	3.9	3.6	4.3	9.5	6.3	24.5	25.9
22:00	2.5	2.1	3.7	2.7	2.4	7.8	6.6	23.3	24.4
23:00	2.7	2.5	.2	3.1	1.1	5.8	6.4	22.1	23.3
Avg	6.1	7.2	8.3	6.4	7.7	16.8	15.7	24.0	24.1
Max	12.8	12.6	14.7	12.4	14.1	31.1	33.2	29.3	28.5
Hr. of Max	17	17	17	17	17	13	12	17	18
Min	2.1	2.1	.2	2.2	1.1	5.8	2.9	18.5	19.3
Count	24	24	24	24	24	24	24	24	24
Total									