Date Printed: 04/14/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/13/2017

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	13.7	16.5	17.8	18.9	2.78	4.09	5.19	1.31	2.41
01:00	12.0	15.7	16.8	18.0	3.63	4.79	5.97	1.16	2.34
02:00	11.4	14.7	16.1	17.3	3.37	4.71	5.94	1.35	2.58
03:00	10.9	14.0	15.6	17.0	3.12	4.70	6.07	1.58	2.95
04:00	10.0	13.0	14.8	16.0	3.05	4.82	6.04	1.77	3.00
05:00	9.3	12.6	14.1	15.2	3.32	4.80	5.93	1.47	2.61
06:00	8.7	12.1	13.5	14.7	3.43	4.75	6.03	1.32	2.61
07:00	9.1	11.8	13.5	14.5	2.67	4.38	5.42	1.71	2.76
08:00	13.4	14.0	14.6	15.3	.57	1.19	1.87	.62	1.29
09:00	18.5	18.2	17.9	17.7	-.29	-.59	-.76	-.30	-.47
10:00	20.3	19.7	19.4	19.2	-.52	-.91	-1.10	-.39	-.58
11:00	22.0	21.3	21.0	20.8	-.64	-.98	-1.14	-.34	-.50
12:00	24.0	23.3	23.0	22.9	-.71	-1.05	-1.17	-.33	-.46
13:00	26.0	25.1	24.8	24.7	-.86	-1.20	-1.31	-.34	-.45
14:00	27.4	26.4	26.1	26.0	-1.01	-1.33	-1.44	-.32	-.43
15:00	27.9	27.1	26.8	26.7	-.72	-1.04	-1.21	-.32	-.49
16:00	28.4	27.7	27.4	27.3	-.72	-1.00	-1.12	-.28	-.39
17:00	28.4	28.1	27.8	27.7	-.35	-.65	-.78	-.29	-.43
18:00	27.9	28.0	27.7	27.6	.07	-.16	-.27	-.23	-.34
19:00	24.6	26.9	27.1	27.2	2.31	2.53	2.57	.22	.26
20:00	20.1	23.5	24.5	25.6	3.36	4.35	5.48	.98	2.11
21:00	17.5	20.7	21.7	23.7	3.19	4.20	6.21	1.01	3.03
22:00	15.6	18.4	19.9	22.3	2.84	4.32	6.73	1.47	3.89
23:00	14.6	17.0	18.4	20.7	2.36	3.78	6.10	1.42	3.74
Avg	18.4	19.8	20.4	21.1	1.43	2.02	2.72	.59	1.29
Max	28.4	28.1	27.8	27.7	3.63	4.82	6.73	1.77	3.89
Hr. of Max	17	17	17	17	01	04	22	04	22
Min	8.7	11.8	13.5	14.5	-1.01	-1.33	-1.44	-.39	-.58
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 04/14/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/13/2017

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	5.0	4.4	7.9	17.8	56.3	45.3	6.6	6.3	0.005526
01:00	4.8	3.9	7.2	17.5	61.8	46.1	6.6	6.1	0.005441
02:00	4.3	4.3	6.6	17.3	62.4	50.4	6.3	6.3	0.005259
03:00	4.2	3.9	6.4	17.1	63.9	51.2	6.3	6.1	0.005216
04:00	4.3	4.3	6.2	16.9	68.3	56.0	6.4	6.3	0.005255
05:00	4.0	4.0	5.8	16.6	70.3	56.4	6.3	6.2	0.005163
06:00	3.9	3.6	5.5	16.4	72.3	56.8	6.2	6.1	0.005099
07:00	4.3	4.2	5.9	16.2	73.0	60.4	6.4	6.3	0.005274
08:00	6.2	4.5	8.6	16.0	62.6	53.5	7.2	6.4	0.006004
09:00	4.5	2.6	9.1	15.8	40.5	36.3	6.3	5.6	0.005378
10:00	4.0	2.4	9.4	15.7	35.0	32.3	6.1	5.5	0.005215
11:00	4.4	2.7	10.2	15.9	32.4	30.0	6.2	5.6	0.005357
12:00	4.7	3.2	11.2	16.2	29.4	27.6	6.4	5.8	0.005518
13:00	4.8	3.0	11.8	16.8	26.4	24.7	6.4	5.7	0.005566
14:00	3.3	1.6	11.3	17.4	22.0	20.6	5.8	5.1	0.00505
15:00	2.2	.4	10.7	17.9	19.8	18.1	5.3	4.7	0.004677
16:00	.8	-1.3	10.0	18.3	17.4	15.5	4.8	4.2	0.004262
17:00	.0	-2.3	9.5	18.6	16.5	14.2	4.6	3.9	0.00402
18:00	-.2	-2.4	9.1	18.7	16.7	14.2	4.5	3.8	0.003946
19:00	2.5	-.9	9.9	18.8	24.7	16.8	5.5	4.3	0.004746
20:00	3.9	1.7	9.3	18.8	35.0	24.6	6.1	5.2	0.005183
21:00	4.3	4.4	8.7	18.7	42.4	35.0	6.3	6.2	0.005322
22:00	5.3	5.1	8.7	18.5	51.2	42.1	6.8	6.6	0.005692
23:00	5.3	5.0	8.4	18.3	54.5	46.1	6.8	6.6	0.005677
Avg	3.8	2.6	8.6	17.3	44.0	36.4	6.1	5.6	0.00516
Max	6.2	5.1	11.8	18.8	73.0	60.4	7.2	6.6	0.006004
Hr. of Max	08	22	13	20	07	07	08	23	08
Min	-.2	-2.4	5.5	15.7	16.5	14.2	4.5	3.8	0.003946
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 04/14/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/13/2017

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	0.005322	8.8	8.4	.00	29.36	994.4	-2.8	.00	73.4
01:00	0.00514	8.6	8.1	.00	29.36	994.3	-2.6	.00	78.1
02:00	0.005292	8.3	8.4	.00	29.35	993.9	-1.2	.00	87.6
03:00	0.00513	8.3	8.1	.00	29.35	993.8	-1.9	.00	89.4
04:00	0.005269	8.3	8.3	.00	29.35	993.8	-2.7	.00	86.4
05:00	0.005161	8.2	8.2	.00	29.35	993.8	-2.4	.00	75.4
06:00	0.005037	8.1	8.0	.00	29.36	994.2	-1.9	.00	80.2
07:00	0.005221	8.4	8.3	.00	29.37	994.6	47.5	.07	82.8
08:00	0.00534	9.5	8.5	.00	29.39	995.2	238.7	.34	82.0
09:00	0.004725	8.5	7.5	.00	29.38	995.1	477.0	.68	76.5
10:00	0.004665	8.3	7.4	.00	29.39	995.3	669.9	.96	71.9
11:00	0.004763	8.5	7.6	.00	29.39	995.2	827.8	1.19	95.9
12:00	0.004959	8.7	7.9	.00	29.37	994.7	940.6	1.35	118.3
13:00	0.004926	8.8	7.8	.00	29.34	993.7	964.8	1.38	97.7
14:00	0.004456	8.0	7.1	.00	29.32	993.0	956.0	1.37	183.6
15:00	0.004103	7.4	6.5	.00	29.29	992.0	890.2	1.28	119.7
16:00	0.003638	6.7	5.8	.00	29.27	991.1	709.4	1.02	224.8
17:00	0.0034	6.4	5.4	.00	29.25	990.7	419.4	.60	135.0
18:00	0.003363	6.2	5.3	.00	29.25	990.5	202.2	.29	122.3
19:00	0.003738	7.5	5.9	.00	29.26	990.8	58.5	.08	130.2
20:00	0.004471	8.2	7.1	.00	29.27	991.2	-1.3	.00	59.3
21:00	0.005361	8.4	8.5	.00	29.28	991.6	-1.3	.00	81.2
22:00	0.005607	9.0	8.9	.00	29.30	992.1	-1.6	.00	120.9
23:00	0.005589	9.0	8.8	.00	29.30	992.3	-2.0	.00	75.7
Avg	0.004778	8.2	7.6	.00	29.33	993.2	307.5	.44	97.0
Max	0.005607	9.5	8.9	.00	29.39	995.3	964.8	1.38	224.8
Hr. of Max	22	08	22	23	11	10	13	13	16
Min	0.003363	6.2	5.3	.00	29.25	990.5	-2.8	.00	59.3
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 04/14/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/13/2017

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	56.6	60.4	65.8	51.7	16.1	9.6	5.5	1.5	4.6
01:00	55.7	56.9	72.3	48.1	15.3	6.2	3.2	1.5	4.7
02:00	57.1	61.7	83.0	53.1	12.4	7.7	3.3	1.4	4.2
03:00	54.9	55.7	91.7	46.6	12.9	8.3	5.3	.8	4.5
04:00	50.4	59.8	76.9	51.2	6.7	5.0	3.2	1.0	3.5
05:00	50.1	59.4	68.0	50.6	6.1	3.1	2.5	1.3	4.7
06:00	46.7	58.9	75.4	50.1	8.8	4.2	2.7	1.6	5.1
07:00	47.2	58.3	76.9	49.5	6.3	6.0	3.4	1.5	4.5
08:00	58.1	59.4	77.4	50.5	14.3	12.8	6.8	1.2	3.8
09:00	68.1	65.5	71.1	56.9	23.3	18.7	14.3	4.3	6.4
10:00	65.8	61.6	67.7	53.5	35.9	25.3	17.9	4.1	5.4
11:00	89.6	84.8	94.6	74.6	30.4	26.8	22.8	3.1	3.5
12:00	124.0	121.5	120.2	112.9	25.1	24.7	22.1	2.9	2.8
13:00	101.7	101.5	92.4	92.3	29.7	35.6	30.0	3.1	3.0
14:00	187.6	177.5	187.4	171.9	36.1	33.0	32.2	4.0	4.6
15:00	342.3	307.3	153.2	301.7	72.0	77.0	76.6	.7	1.0
16:00	234.4	235.9	226.3	232.8	48.8	45.5	42.6	2.7	3.2
17:00	143.8	145.7	144.2	139.0	50.8	52.8	47.2	2.2	2.4
18:00	129.1	126.7	122.7	118.6	21.9	20.1	16.1	3.4	4.0
19:00	152.2	147.7	180.5	141.6	28.1	25.5	19.1	.4	1.6
20:00	78.0	126.1	31.3	118.7	22.9	30.7	22.6	.5	.9
21:00	58.0	52.1	53.7	42.1	6.0	15.5	12.8	.4	1.2
22:00	40.8	21.1	157.2	9.6	24.8	41.3	14.9	.3	1.0
23:00	51.5	52.5	67.2	43.6	18.9	15.7	9.1	1.0	2.3
Avg	73.0	78.0	96.0	68.0	23.9	23.0	18.2	.0	.0
Max	342.3	307.3	226.3	301.7	72.0	77.0	76.6	4.3	6.4
Hr. of Max	15	15	16	15	15	15	15	09	09
Min	40.8	21.1	31.3	9.6	6.0	3.1	2.5	.3	.9
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 04/14/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/13/2017

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	7.3	1.7	4.7	7.3	1.8	7.5	-.6	.7	-.03
01:00	8.1	1.5	4.8	8.1	1.7	8.4	1.3	.5	.03
02:00	8.5	1.5	4.3	8.5	1.7	8.7	2.2	.6	.06
03:00	7.3	.8	4.6	7.3	1.1	7.6	2.3	.9	.02
04:00	6.5	1.0	3.5	6.5	1.2	6.7	3.5	1.0	.07
05:00	6.9	1.3	4.7	6.9	1.4	7.1	.5	-.2	.01
06:00	7.3	1.7	5.1	7.3	1.9	7.5	1.4	.3	.04
07:00	7.1	1.5	4.5	7.1	1.7	7.3	.8	.4	.03
08:00	7.8	1.3	3.9	7.8	1.5	8.1	.9	-.1	.01
09:00	8.1	4.6	6.7	8.3	5.2	8.7	1.1	2.5	-.03
10:00	6.2	4.7	5.8	6.5	5.2	7.0	2.4	4.3	-.02
11:00	3.7	3.4	3.8	3.9	3.8	4.4	-.6	-7.1	-.06
12:00	3.0	3.2	3.2	3.3	3.9	3.9	.4	-7.5	.01
13:00	3.2	3.8	3.7	3.8	4.5	4.6	-3.6	-6.0	-.25
14:00	4.7	5.1	5.6	5.5	5.8	6.1	1.9	-1.3	.10
15:00	1.0	3.1	3.2	3.2	3.8	4.2	-.6	-1.2	-.10
16:00	3.4	4.3	4.6	4.6	4.7	5.3	1.2	-2.6	-.01
17:00	2.6	3.4	3.9	4.1	3.9	4.6	2.0	-1.5	.02
18:00	4.4	3.7	4.3	4.6	4.4	5.1	2.3	2.1	.11
19:00	2.4	.5	1.7	2.5	1.1	2.9	7.6	7.0	.17
20:00	2.0	.6	1.2	2.4	1.0	2.7	1.6	.7	.02
21:00	1.3	.4	1.3	1.4	.7	1.6	1.4	-.5	.02
22:00	2.2	.6	1.3	2.6	1.1	2.8	2.6	1.7	.04
23:00	2.8	1.1	2.3	3.0	1.3	3.2	2.1	2.9	.03
Avg	.0	2.3	3.9	5.3	2.7	5.7	1.4	-.1	.01
Max	8.5	5.1	6.7	8.5	5.8	8.7	7.6	7.0	.17
Hr. of Max	02	14	09	02	14	09	19	19	19
Min	1.0	.4	1.2	1.4	.7	1.6	-3.6	-7.5	-.25
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 04/14/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/13/2017

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	.09	4.8	6.9	9.6	8.2	2.3	16.6	18.7
01:00	.06	4.1	10.1	17.6	10.0	2.4	15.7	17.8
02:00	.08	3.2	8.5	13.7	6.8	1.9	14.8	17.1
03:00	.10	2.5	7.1	10.1	12.0	2.9	14.0	16.8
04:00	.11	2.5	8.0	16.0	7.2	1.6	13.1	15.9
05:00	-.03	2.7	7.6	12.1	6.7	1.6	12.7	15.1
06:00	.04	3.2	8.9	18.1	9.0	1.7	12.2	14.7
07:00	.05	3.7	10.5	15.1	5.9	1.9	11.9	14.4
08:00	-.09	5.3	8.7	17.6	15.9	6.9	14.3	15.2
09:00	.12	14.0	14.2	16.3	18.6	12.9	18.4	17.5
10:00	.33	16.9	25.0	25.6	21.1	17.5	19.9	18.9
11:00	-.50	8.5	11.2	8.9	21.8	22.8	21.5	20.6
12:00	-.35	8.0	7.1	7.3	23.5	26.8	23.4	22.5
13:00	-.44	8.9	9.8	9.8	23.1	27.6	25.1	24.3
14:00	-.17	14.9	16.9	13.1	21.0	26.0	26.1	25.3
15:00	-.20	10.3	10.8	12.8	26.7	35.5	26.9	26.0
16:00	-.42	11.0	11.9	11.7	19.6	24.5	27.4	26.5
17:00	-.09	9.4	11.2	10.5	23.2	24.1	27.8	27.0
18:00	.14	10.8	11.0	9.4	13.7	16.4	27.7	27.0
19:00	.29	6.4	7.3	9.8	19.8	17.1	26.6	26.6
20:00	.04	2.5	3.2	6.6	13.2	11.6	23.4	25.2
21:00	-.01	1.8	3.7	3.0	8.8	7.8	20.7	23.4
22:00	.10	2.5	4.4	4.8	9.2	4.5	18.6	22.0
23:00	.15	3.4	5.3	5.7	9.5	4.4	17.1	20.6
Avg	-.03	6.7	9.6	11.9	14.8	12.6	19.8	20.8
Max	.33	16.9	25.0	25.6	26.7	35.5	27.8	27.0
Hr. of Max	10	10	10	10	15	15	17	18
Min	-.50	1.8	3.2	3.0	5.9	1.6	11.9	14.4
Count	24	24	24	24	24	24	24	24
Total								