Date Printed: 10/28/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/27/2016

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	14.9	17.5	18.0	18.4	2.61	3.10	3.51	.49	.90
01:00	14.2	16.9	17.8	18.1	2.76	3.64	3.93	.88	1.17
02:00	13.3	15.9	16.8	17.5	2.64	3.46	4.22	.82	1.58
03:00	13.5	15.4	16.7	17.2	1.89	3.21	3.77	1.32	1.87
04:00	13.4	15.4	16.3	16.7	2.02	2.98	3.38	.96	1.36
05:00	13.4	15.4	16.1	16.5	1.99	2.63	3.11	.64	1.11
06:00	13.7	15.1	16.0	16.5	1.41	2.31	2.76	.90	1.35
07:00	13.9	15.2	16.0	16.4	1.25	2.05	2.47	.80	1.22
08:00	14.7	15.6	15.9	16.2	.96	1.23	1.57	.27	.61
09:00	16.0	16.1	16.1	16.2	.11	.10	.20	-.01	.09
10:00	15.7	15.6	15.5	15.8	-.16	-.18	.07	-.03	.23
11:00	16.9	16.7	16.6	16.8	-.14	-.24	-.10	-.09	.04
12:00	19.3	18.9	18.6	18.6	-.43	-.68	-.74	-.25	-.30
13:00	21.8	21.1	20.8	20.7	-.68	-.99	-1.09	-.31	-.42
14:00	24.5	23.5	23.1	23.0	-1.07	-1.41	-1.54	-.34	-.47
15:00	25.9	25.1	24.7	24.6	-.80	-1.19	-1.33	-.39	-.53
16:00	25.9	25.4	25.2	25.1	-.49	-.79	-.89	-.29	-.40
17:00	25.1	25.0	24.9	24.8	-.10	-.27	-.31	-.18	-.22
18:00	22.2	23.6	23.9	24.1	1.40	1.72	1.97	.31	.56
19:00	18.9	21.5	22.4	23.3	2.54	3.49	4.34	.96	1.80
20:00	16.8	19.6	20.5	21.6	2.82	3.76	4.85	.94	2.03
21:00	15.9	19.4	20.5	21.0	3.56	4.68	5.16	1.12	1.60
22:00	17.3	20.1	20.2	20.2	2.86	2.88	2.96	.02	.10
23:00	16.2	18.7	19.1	19.4	2.42	2.90	3.13	.48	.71
Avg	17.6	18.9	19.2	19.5	1.22	1.60	1.89	.38	.67
Max	25.9	25.4	25.2	25.1	3.56	4.68	5.16	1.32	2.03
Hr. of Max	16	16	16	16	21	21	21	03	20
Min	13.3	15.1	15.5	15.8	-1.07	-1.41	-1.54	-.39	-.53
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 10/28/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/27/2016

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	10.5	10.5	11.9	17.9	75.8	64.3	9.6	9.5	0.008062
01:00	10.3	10.6	11.6	17.9	78.8	67.3	9.5	9.6	0.007986
02:00	10.1	10.6	11.2	17.8	82.1	71.4	9.4	9.6	0.007871
03:00	10.3	10.6	11.3	17.7	82.0	74.6	9.5	9.7	0.007947
04:00	10.3	10.7	11.3	17.6	82.9	74.7	9.5	9.7	0.007982
05:00	10.5	10.5	11.5	17.6	83.5	73.5	9.6	9.6	0.008071
06:00	10.6	10.3	11.7	17.5	82.8	74.1	9.7	9.5	0.008162
07:00	10.8	10.2	11.8	17.5	82.2	73.2	9.8	9.4	0.008221
08:00	10.8	10.1	12.1	17.4	78.9	70.8	9.8	9.3	0.008252
09:00	11.5	11.1	13.0	17.4	75.9	73.4	10.2	9.9	0.008631
10:00	14.1	13.7	14.6	17.4	91.6	90.1	12.1	11.8	0.010257
11:00	14.6	14.0	15.4	17.5	88.1	85.6	12.5	12.0	0.010624
12:00	13.6	12.9	15.5	17.6	71.0	69.7	11.6	11.1	0.009962
13:00	13.4	12.9	16.2	17.8	60.2	60.9	11.4	11.1	0.009836
14:00	11.7	11.4	16.0	18.0	46.0	47.8	10.2	9.9	0.00889
15:00	10.3	10.0	15.5	18.3	38.4	39.4	9.2	9.0	0.008078
16:00	10.2	9.9	15.4	18.6	38.0	38.4	9.1	9.0	0.008021
17:00	11.0	10.8	15.7	18.8	42.0	41.6	9.6	9.5	0.008454
18:00	12.1	11.6	15.5	19.0	54.2	48.2	10.4	10.1	0.009067
19:00	12.3	12.2	14.5	19.1	66.5	56.5	10.7	10.5	0.009144
20:00	12.0	12.1	13.6	19.1	74.5	63.2	10.5	10.5	0.008933
21:00	11.7	11.9	13.1	19.0	77.5	63.0	10.3	10.4	0.00877
22:00	12.4	12.6	14.1	18.9	74.5	63.1	10.8	10.9	0.009245
23:00	12.4	13.0	13.7	18.8	79.3	70.8	10.8	11.1	0.009191
Avg	11.6	11.4	13.6	18.1	71.1	64.8	10.2	10.1	0.008736
Max	14.6	14.0	16.2	19.1	91.6	90.1	12.5	12.0	0.010624
Hr. of Max	11	11	13	20	10	10	11	11	11
Min	10.1	9.9	11.2	17.4	38.0	38.4	9.1	9.0	0.007871
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 10/28/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/27/2016

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	0.008077	12.7	12.7	.00	29.32	993.0	-2.3	.00	212.1
01:00	0.008134	12.6	12.8	.00	29.32	993.0	-2.4	.00	212.0
02:00	0.00812	12.4	12.8	.00	29.33	993.1	-2.8	.00	206.0
03:00	0.008168	12.5	12.9	.00	29.32	993.0	-2.3	.00	137.2
04:00	0.008196	12.6	12.9	.00	29.31	992.5	-1.5	.00	198.1
05:00	0.008076	12.7	12.7	.00	29.30	992.4	-1.6	.00	208.6
06:00	0.008007	12.9	12.6	.00	29.31	992.6	-2.0	.00	191.1
07:00	0.00793	12.9	12.5	.00	29.31	992.6	-2.1	.00	190.0
08:00	0.007887	13.0	12.4	.00	29.32	992.9	21.8	.03	220.7
09:00	0.008418	13.6	13.3	.01	29.34	993.6	69.7	.10	228.9
10:00	0.00999	16.1	15.7	.01	29.34	993.7	109.1	.16	127.1
11:00	0.01022	16.7	16.1	.00	29.35	993.8	130.3	.19	139.9
12:00	0.009519	15.7	15.0	.00	29.33	993.4	313.4	.45	219.2
13:00	0.009563	15.4	15.0	.00	29.30	992.4	453.1	.65	218.3
14:00	0.008663	14.0	13.6	.00	29.27	991.4	610.5	.88	227.4
15:00	0.007906	12.7	12.4	.00	29.25	990.7	438.0	.63	230.2
16:00	0.00787	12.6	12.4	.00	29.25	990.5	260.4	.37	243.1
17:00	0.008323	13.3	13.1	.00	29.25	990.5	87.5	.13	244.7
18:00	0.008807	14.2	13.8	.00	29.25	990.7	21.6	.03	191.4
19:00	0.0091	14.4	14.3	.00	29.27	991.1	-2.1	.00	171.9
20:00	0.009036	14.0	14.2	.00	29.28	991.6	-2.2	.00	89.4
21:00	0.008917	13.8	14.0	.00	29.29	991.8	-2.3	.00	238.1
22:00	0.009353	14.5	14.7	.00	29.30	992.2	-2.5	.00	291.6
23:00	0.009553	14.5	15.0	.00	29.31	992.4	-2.5	.00	216.1
Avg	0.00866	13.7	13.6	.00	29.30	992.3	103.6	.15	205.0
Max	0.01022	16.7	16.1	.01	29.35	993.8	610.5	.88	291.6
Hr. of Max	11	11	11	10	11	11	14	14	22
Min	0.00787	12.4	12.4	.00	29.25	990.5	-2.8	.00	89.4
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 10/28/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/27/2016

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	234.1	235.8	215.6	231.2	7.9	6.5	4.9	2.8	4.6
01:00	254.5	249.0	217.2	243.8	16.8	13.2	7.1	2.2	4.0
02:00	218.8	250.2	231.9	244.9	29.7	8.3	8.0	1.3	3.2
03:00	235.7	242.5	204.1	237.5	39.0	12.4	6.7	.2	2.9
04:00	233.4	229.5	212.8	225.5	16.0	6.0	4.2	1.5	3.4
05:00	240.9	241.3	218.3	236.3	16.6	8.1	5.2	2.1	3.0
06:00	244.3	242.5	216.7	237.5	27.2	13.1	7.4	1.4	3.0
07:00	230.2	224.2	216.8	220.0	18.9	7.9	6.4	1.1	3.2
08:00	235.4	226.7	224.5	222.4	15.9	7.2	6.7	2.8	5.3
09:00	240.3	238.2	230.9	233.6	27.2	15.6	11.4	2.7	5.1
10:00	258.1	256.7	229.7	251.8	50.8	29.9	12.8	.2	1.4
11:00	246.2	242.9	199.6	237.9	47.3	29.3	15.1	.4	1.4
12:00	226.6	223.6	221.7	219.0	23.2	16.7	12.3	4.6	6.0
13:00	224.6	220.1	219.3	215.9	25.6	17.4	14.4	6.2	8.4
14:00	235.1	232.4	226.9	227.6	30.4	23.9	20.8	5.8	7.7
15:00	237.3	234.5	230.9	229.9	27.0	22.9	17.4	6.7	9.1
16:00	246.7	243.1	243.2	238.4	28.7	21.1	17.5	5.3	7.3
17:00	249.9	246.3	245.4	241.5	25.6	15.9	11.4	4.0	6.0
18:00	257.6	255.5	249.9	250.4	41.5	10.3	6.3	.8	3.1
19:00	239.1	260.1	235.1	255.2	47.2	18.1	11.2	.5	1.7
20:00	264.7	210.8	330.5	206.2	21.1	23.3	9.3	.1	.9
21:00	289.2	285.8	255.2	279.5	28.8	17.9	13.3	1.1	2.8
22:00	305.4	308.6	286.5	299.9	21.8	16.8	14.1	2.9	4.7
23:00	260.8	261.3	247.5	254.7	54.2	42.3	23.5	.7	1.7
Avg	245.0	243.0	231.0	238.0	28.7	16.8	11.1	.0	.0
Max	305.4	308.6	330.5	299.9	54.2	42.3	23.5	6.7	9.1
Hr. of Max	22	22	20	22	23	23	23	15	15
Min	218.8	210.8	199.6	206.2	7.9	6.0	4.2	.1	.9
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 10/28/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/27/2016

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	6.7	2.8	4.6	6.8	3.1	7.2	-.9	.8	-.05
01:00	6.4	2.3	4.1	6.5	2.7	6.8	2.4	1.2	.10
02:00	4.7	1.3	3.2	4.7	1.9	5.0	3.3	1.7	.10
03:00	5.5	.5	3.0	5.5	1.0	5.8	2.8	1.7	.04
04:00	5.6	1.6	3.5	5.6	2.0	6.0	1.4	.2	.03
05:00	5.3	2.2	3.1	5.3	2.5	5.6	1.3	1.7	.04
06:00	5.4	1.6	3.1	5.4	2.0	5.7	2.6	1.2	.08
07:00	5.3	1.2	3.2	5.4	1.8	5.7	1.1	.4	.02
08:00	7.4	2.9	5.3	7.5	3.2	8.0	-.4	.1	-.05
09:00	7.2	3.1	5.3	7.4	3.5	7.8	.2	.5	-.08
10:00	3.8	.3	1.5	3.9	.9	4.1	8.4	1.9	.14
11:00	3.1	.7	1.6	3.3	1.2	3.5	3.9	.4	.07
12:00	6.9	4.9	6.3	7.0	5.4	7.5	.0	-1.3	-.21
13:00	9.7	6.7	8.7	10.0	7.4	10.7	.5	-.7	-.20
14:00	8.8	6.7	8.5	9.5	7.5	10.2	.9	.7	-.11
15:00	10.9	7.5	9.8	11.5	8.1	12.3	1.8	.2	-.11
16:00	8.6	5.9	7.9	9.1	6.6	9.7	-1.1	.5	-.32
17:00	7.6	4.2	6.2	7.8	4.9	8.2	-1.5	-.1	-.26
18:00	5.4	.9	3.1	5.4	1.5	5.6	.0	2.2	-.01
19:00	4.8	.5	2.0	4.9	1.1	5.1	1.7	2.2	.02
20:00	2.9	.1	1.0	2.9	.5	3.1	2.4	-.8	.03
21:00	5.3	1.4	2.9	5.5	1.8	5.5	.6	-.1	-.04
22:00	7.0	3.1	4.9	7.2	3.2	7.2	-5.1	-2.2	-.35
23:00	2.4	1.3	2.4	3.6	1.8	3.8	2.9	1.5	.05
Avg	.0	2.7	4.4	6.3	3.2	6.7	1.2	.6	-.04
Max	10.9	7.5	9.8	11.5	8.1	12.3	8.4	2.2	.14
Hr. of Max	15	15	15	15	15	15	10	19	10
Min	2.4	.1	1.0	2.9	.5	3.1	-5.1	-2.2	-.35
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 10/28/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/27/2016

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	36_SonicTemp_015m	37_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	.10	4.6	7.8	11.4	4.3	3.2	18.2	18.8
01:00	.12	6.9	8.7	12.4	5.6	4.6	17.5	18.5
02:00	.14	6.0	5.3	8.7	6.0	5.1	16.6	18.0
03:00	.16	2.1	6.2	11.9	9.1	4.1	16.0	17.6
04:00	.02	3.4	5.7	8.7	5.4	2.3	16.1	17.1
05:00	.16	5.3	5.7	11.2	4.9	3.1	16.1	16.9
06:00	.11	4.4	6.2	9.6	6.2	4.2	15.8	16.8
07:00	.03	4.1	6.0	10.8	4.9	2.5	15.8	16.7
08:00	-.01	6.6	9.8	13.1	7.8	3.9	16.2	16.5
09:00	.03	8.2	16.3	21.3	13.7	5.7	16.8	16.6
10:00	.11	3.4	8.0	13.5	25.1	7.4	16.6	16.4
11:00	.02	4.1	5.3	6.6	19.9	10.3	17.8	17.3
12:00	-.29	12.1	12.6	14.9	16.5	12.1	19.7	18.9
13:00	-.36	14.9	18.5	16.5	16.1	12.5	21.8	20.9
14:00	-.15	16.7	19.7	20.2	17.2	14.4	23.9	23.0
15:00	-.15	18.3	20.2	21.1	18.0	11.4	25.4	24.5
16:00	-.10	15.6	16.9	22.0	15.2	11.7	25.8	25.0
17:00	-.09	14.2	15.3	17.9	14.2	8.2	25.6	25.0
18:00	.19	6.2	11.7	11.9	11.9	4.8	24.2	24.4
19:00	.16	2.3	6.6	14.2	12.5	7.2	22.2	23.7
20:00	-.03	1.1	5.5	6.9	7.2	3.2	20.2	22.1
21:00	-.12	5.3	9.8	12.1	14.0	9.1	20.1	21.4
22:00	-.46	8.0	10.3	17.9	14.5	10.7	21.0	20.8
23:00	-.04	7.8	14.9	19.5	16.2	16.4	19.5	20.0
Avg	-.02	7.6	10.5	13.9	11.9	7.4	19.5	19.9
Max	.19	18.3	20.2	22.0	25.1	16.4	25.8	25.0
Hr. of Max	18	15	15	16	10	23	16	17
Min	-.46	1.1	5.3	6.6	4.3	2.3	15.8	16.4
Count	24	24	24	24	24	24	24	24
Total								