Date Printed: 09/21/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/20/2016

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	17.9	19.3	19.7	20.9	1.41	1.85	3.08	.44	1.66
01:00	17.3	18.5	19.0	19.8	1.18	1.69	2.50	.52	1.32
02:00	17.0	18.1	18.6	19.4	1.06	1.63	2.43	.57	1.37
03:00	16.8	18.1	18.5	19.6	1.28	1.68	2.81	.40	1.53
04:00	16.5	18.0	18.4	19.6	1.44	1.89	3.10	.44	1.65
05:00	16.4	17.8	18.4	19.2	1.40	1.92	2.74	.53	1.34
06:00	16.3	17.7	18.2	18.7	1.40	1.86	2.32	.46	.92
07:00	16.2	17.6	17.9	18.4	1.39	1.76	2.27	.36	.88
08:00	18.3	18.4	18.5	19.0	.12	.18	.64	.06	.52
09:00	21.8	21.4	21.1	21.0	-.44	-.70	-.80	-.25	-.36
10:00	25.1	24.4	24.1	23.9	-.72	-1.05	-1.25	-.33	-.52
11:00	26.9	26.1	25.7	25.4	-.80	-1.22	-1.49	-.42	-.69
12:00	28.5	27.5	26.9	26.6	-1.02	-1.56	-1.85	-.54	-.83
13:00	29.4	28.4	27.9	27.7	-1.05	-1.51	-1.73	-.46	-.69
14:00	29.9	28.9	28.4	28.2	-.99	-1.47	-1.73	-.48	-.74
15:00	30.1	29.2	28.8	28.6	-.83	-1.25	-1.48	-.42	-.65
16:00	30.0	29.4	29.0	28.9	-.62	-1.00	-1.17	-.37	-.55
17:00	30.0	29.5	29.1	29.0	-.55	-.89	-1.03	-.34	-.48
18:00	28.6	28.7	28.6	28.6	.14	.07	.03	-.07	-.10
19:00	24.6	26.7	27.4	27.7	2.10	2.85	3.13	.75	1.03
20:00	22.1	24.4	25.1	26.0	2.34	3.04	3.95	.69	1.60
21:00	20.7	22.7	23.4	24.9	2.06	2.71	4.19	.65	2.13
22:00	19.8	22.3	23.0	24.1	2.48	3.19	4.34	.71	1.87
23:00	18.9	21.4	22.1	23.0	2.51	3.24	4.09	.74	1.59
Avg	22.5	23.1	23.2	23.7	.64	.79	1.21	.15	.57
Max	30.1	29.5	29.1	29.0	2.51	3.24	4.34	.75	2.13
Hr. of Max	15	17	17	17	23	23	22	19	21
Min	16.2	17.6	17.9	18.4	-1.05	-1.56	-1.85	-.54	-.83
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/21/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/20/2016

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	16.5	17.4	17.0	25.4	93.8	90.6	14.1	14.7	0.012118
01:00	16.2	17.3	16.6	25.2	94.8	94.6	13.8	14.7	0.011846
02:00	15.9	17.3	16.3	25.0	95.1	97.3	13.6	14.7	0.011643
03:00	15.7	17.5	16.1	24.8	95.4	98.6	13.4	14.9	0.011501
04:00	15.6	17.4	15.9	24.6	95.8	98.4	13.3	14.8	0.011368
05:00	15.6	17.2	15.9	24.4	96.4	98.0	13.3	14.6	0.011362
06:00	15.5	17.1	15.8	24.2	96.7	98.2	13.2	14.6	0.011328
07:00	15.3	17.1	15.6	24.0	96.5	99.1	13.1	14.6	0.011168
08:00	16.6	16.8	17.2	23.8	91.6	92.1	14.1	14.3	0.012154
09:00	17.7	17.1	19.1	23.7	79.4	78.5	15.0	14.4	0.013085
10:00	17.7	17.0	20.2	23.6	65.3	65.2	14.8	14.2	0.013097
11:00	16.8	16.4	20.2	23.8	55.2	56.5	13.9	13.6	0.012349
12:00	15.4	15.0	19.8	24.1	46.4	47.7	12.7	12.4	0.011353
13:00	14.1	13.6	19.2	24.5	40.5	41.5	11.7	11.4	0.01047
14:00	13.9	13.6	19.3	24.9	38.9	40.3	11.6	11.4	0.010355
15:00	14.0	13.7	19.4	25.3	38.7	39.7	11.6	11.4	0.010428
16:00	14.3	14.0	19.5	25.5	39.5	39.9	11.8	11.6	0.010604
17:00	14.3	14.0	19.6	25.7	39.5	39.9	11.8	11.6	0.010621
18:00	14.9	14.5	19.5	25.8	44.7	43.1	12.3	12.0	0.01101
19:00	16.4	15.1	19.1	25.8	62.1	50.5	13.7	12.5	0.012067
20:00	16.7	15.7	18.5	25.8	73.3	59.7	14.0	13.1	0.012285
21:00	16.5	16.4	17.9	25.7	78.8	68.8	13.9	13.7	0.012115
22:00	16.5	16.5	17.6	25.5	83.2	71.5	14.0	13.9	0.012102
23:00	16.2	16.4	17.1	25.3	86.4	75.0	13.7	13.8	0.01188
Avg	15.8	16.0	18.0	24.9	72.0	70.2	13.3	13.5	0.011596
Max	17.7	17.5	20.2	25.8	96.7	99.1	15.0	14.9	0.013097
Hr. of Max	10	03	11	20	06	07	09	03	10
Min	13.9	13.6	15.6	23.6	38.7	39.7	11.6	11.4	0.010355
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/21/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/20/2016

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	0.012786	18.9	19.9	.00	29.16	987.6	-2.6	.00	1.5
01:00	0.012733	18.5	19.8	.00	29.16	987.5	-2.5	.00	268.6
02:00	0.012732	18.1	19.8	.00	29.16	987.6	-2.2	.00	.1
03:00	0.012892	17.9	20.1	.00	29.16	987.6	-2.6	.00	35.8
04:00	0.012792	17.7	19.9	.00	29.17	987.7	-2.4	.00	60.0
05:00	0.012629	17.7	19.7	.00	29.17	988.0	-2.1	.00	47.5
06:00	0.012583	17.7	19.6	.00	29.18	988.3	-2.3	.00	39.4
07:00	0.012535	17.4	19.5	.00	29.20	989.0	14.0	.02	41.3
08:00	0.012304	19.0	19.2	.00	29.22	989.5	148.7	.21	84.9
09:00	0.012577	20.4	19.6	.00	29.23	989.8	367.8	.53	78.3
10:00	0.012514	20.4	19.5	.00	29.23	990.0	586.6	.84	85.7
11:00	0.012055	19.3	18.8	.00	29.23	989.9	611.9	.88	73.5
12:00	0.011007	17.7	17.2	.00	29.22	989.5	812.8	1.17	67.2
13:00	0.010116	16.4	15.8	.00	29.20	988.9	745.4	1.07	55.8
14:00	0.010123	16.2	15.8	.00	29.18	988.3	733.8	1.05	48.6
15:00	0.0102	16.3	15.9	.00	29.17	987.8	640.8	.92	53.7
16:00	0.010358	16.5	16.2	.00	29.15	987.3	457.4	.66	59.8
17:00	0.01038	16.6	16.2	.00	29.15	987.1	310.7	.45	45.1
18:00	0.01073	17.2	16.7	.00	29.15	987.2	136.7	.20	23.5
19:00	0.011133	18.8	17.4	.00	29.15	987.3	14.9	.02	15.9
20:00	0.011534	19.1	18.0	.00	29.16	987.6	-1.9	.00	25.7
21:00	0.012002	18.9	18.7	.00	29.18	988.1	-1.8	.00	59.8
22:00	0.012125	18.9	18.9	.00	29.19	988.4	-2.1	.00	80.0
23:00	0.012037	18.5	18.8	.00	29.19	988.6	-2.8	.00	87.8
Avg	0.011787	18.1	18.4	.00	29.18	988.3	231.5	.33	49.0
Max	0.012892	20.4	20.1	.00	29.23	990.0	812.8	1.17	268.6
Hr. of Max	03	10	03	23	11	10	12	12	01
Min	0.010116	16.2	15.8	.00	29.15	987.1	-2.8	.00	.1
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/21/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/20/2016

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	55.8	56.5	357.1	42.8	31.6	10.0	5.2	.2	1.1
01:00	246.1	130.0	265.1	179.7	23.0	29.0	27.2	1.0	1.3
02:00	338.3	165.5	344.7	263.7	38.0	39.3	48.2	.5	.4
03:00	56.6	17.2	17.4	.1	17.4	12.1	8.2	.1	1.4
04:00	58.9	25.8	41.0	9.6	51.0	18.6	9.6	.2	1.4
05:00	56.7	56.5	46.6	43.3	34.2	17.5	6.1	.5	1.8
06:00	48.3	57.3	20.4	44.7	34.2	15.0	6.5	.8	2.0
07:00	61.4	50.6	36.3	36.4	25.3	8.8	6.9	.5	1.6
08:00	72.4	44.9	97.5	28.0	20.2	16.3	12.3	.5	1.3
09:00	75.9	69.6	81.2	57.1	34.1	25.5	20.5	2.7	2.9
10:00	78.2	70.4	87.9	59.1	17.9	17.9	14.7	5.6	6.0
11:00	66.1	62.2	73.3	50.7	26.2	22.8	16.8	5.9	7.5
12:00	59.7	56.8	69.2	45.3	30.0	21.9	16.2	5.6	8.2
13:00	50.6	48.7	57.7	37.0	37.6	26.1	20.2	4.7	7.3
14:00	46.4	45.2	49.3	33.0	43.5	28.8	22.3	4.4	7.0
15:00	50.9	49.6	53.5	37.0	36.3	26.0	20.7	4.4	7.0
16:00	54.6	52.4	62.1	40.0	32.9	23.8	17.0	4.3	7.0
17:00	42.3	43.0	48.5	30.0	36.6	21.5	15.6	4.0	7.7
18:00	28.7	28.0	23.3	13.9	34.5	17.1	14.2	2.8	6.2
19:00	22.5	30.2	18.7	15.0	54.0	9.6	7.0	1.0	5.2
20:00	59.6	57.0	31.7	43.7	25.5	8.9	11.5	1.0	2.1
21:00	72.5	50.1	66.6	37.4	14.7	8.5	6.5	.9	3.0
22:00	63.9	53.8	83.6	42.1	9.8	7.6	5.2	1.6	3.8
23:00	53.8	60.4	93.4	49.0	42.6	8.9	5.2	.8	2.9
Avg	52.0	54.0	48.0	36.0	31.3	18.4	14.3	.0	.0
Max	338.3	165.5	357.1	263.7	54.0	39.3	48.2	5.9	8.2
Hr. of Max	02	02	00	02	19	02	02	11	12
Min	22.5	17.2	17.4	.1	9.8	7.6	5.2	.1	.4
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/21/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/20/2016

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	2.7	.3	1.1	2.7	.6	2.9	1.6	.7	.02
01:00	.2	1.0	1.4	.7	1.4	1.1	1.1	-.5	.01
02:00	.1	.7	1.0	.7	1.0	1.1	.9	-.2	-.01
03:00	2.9	.1	1.4	2.9	.6	3.1	1.9	3.3	.02
04:00	3.4	.6	1.6	3.5	1.0	3.7	3.8	1.6	.08
05:00	2.9	.7	1.9	2.9	.9	3.1	3.3	1.6	.06
06:00	3.4	.9	2.1	3.5	1.1	3.7	.9	.3	.01
07:00	3.0	.5	1.6	3.0	.9	3.2	3.2	1.6	.05
08:00	2.1	.5	1.4	2.2	1.0	2.4	8.6	.7	.18
09:00	3.2	2.9	3.1	3.4	3.4	3.9	7.2	10.2	.23
10:00	6.9	5.9	6.3	7.1	6.4	7.6	1.1	2.7	.03
11:00	9.6	6.5	8.0	9.9	7.2	10.5	.2	2.0	-.11
12:00	10.3	6.3	8.8	10.7	7.0	11.4	.4	2.3	-.18
13:00	8.9	5.7	8.2	9.5	6.4	10.2	.4	4.2	-.30
14:00	8.9	5.4	7.9	9.7	6.1	10.3	.6	2.3	-.26
15:00	8.5	5.2	7.6	9.0	5.7	9.5	-.7	1.8	-.32
16:00	8.7	4.9	7.6	9.1	5.3	9.7	1.4	1.3	-.10
17:00	9.1	4.6	8.0	9.4	5.3	9.9	-.3	.1	-.46
18:00	7.7	3.2	6.4	8.0	3.8	8.4	-2.4	.0	-.40
19:00	6.9	1.2	5.2	7.0	1.6	7.2	-1.2	2.4	-.13
20:00	3.0	1.1	2.2	3.1	1.2	3.3	-1.1	1.7	-.03
21:00	5.4	.9	3.0	5.5	1.2	5.7	2.4	1.5	.04
22:00	6.5	1.7	3.8	6.5	1.9	6.8	3.3	.7	.10
23:00	5.6	1.1	3.0	5.6	1.3	5.9	2.0	-.2	.05
Avg	.0	2.6	4.3	5.7	3.0	6.0	1.6	1.8	-.06
Max	10.3	6.5	8.8	10.7	7.2	11.4	8.6	10.2	.23
Hr. of Max	12	11	12	12	11	12	08	09	09
Min	.1	.1	1.0	.7	.6	1.1	-2.4	-.5	-.46
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/21/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/20/2016

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	.04	1.8	2.1	5.7	6.7	3.1	20.5	21.9
01:00	-.01	2.7	3.0	2.5	6.0	7.9	19.7	20.8
02:00	.00	3.2	3.2	3.2	9.0	11.9	19.3	20.5
03:00	.18	1.1	4.4	5.7	9.9	4.1	19.2	20.6
04:00	.11	3.0	3.7	7.3	8.6	4.6	19.1	20.6
05:00	.09	2.7	3.2	6.4	8.6	3.4	18.9	20.2
06:00	.02	3.2	3.9	7.6	7.1	3.1	18.8	19.6
07:00	.08	1.6	2.5	4.6	7.6	4.2	18.6	19.4
08:00	.02	4.1	3.2	4.4	20.5	8.3	19.7	20.0
09:00	.59	8.5	8.0	7.3	25.0	19.3	22.7	22.0
10:00	.21	15.8	16.9	17.4	14.6	14.2	25.6	24.7
11:00	.14	20.2	24.3	29.5	19.5	13.3	27.1	26.1
12:00	.25	15.8	19.0	20.2	20.1	13.2	28.3	27.0
13:00	.37	16.9	19.2	24.7	22.6	15.6	29.1	28.0
14:00	.05	18.8	18.5	27.2	23.5	15.3	29.6	28.4
15:00	.06	14.9	16.7	17.4	21.3	15.3	29.9	28.9
16:00	.06	17.6	19.9	21.3	23.0	14.6	30.1	29.2
17:00	-.24	17.6	19.2	19.7	24.1	12.3	30.2	29.3
18:00	-.12	11.0	15.8	20.8	22.4	10.1	29.5	29.0
19:00	.21	6.0	12.8	19.0	20.5	6.3	27.4	28.1
20:00	.10	2.5	6.0	5.7	10.1	6.1	25.3	26.6
21:00	.13	3.2	5.3	8.0	9.3	4.2	23.7	25.5
22:00	.07	2.7	6.9	14.9	6.6	3.9	23.3	24.8
23:00	-.04	3.0	6.2	13.1	7.5	2.7	22.4	23.8
Avg	.10	8.2	10.2	13.1	14.8	9.0	24.1	24.4
Max	.59	20.2	24.3	29.5	25.0	19.3	30.2	29.3
Hr. of Max	09	11	11	11	09	09	17	17
Min	-.24	1.1	2.1	2.5	6.0	2.7	18.6	19.4
Count	24	24	24	24	24	24	24	24
Total								