Date Printed: 01/14/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

1/13/2017

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	11.6	13.1	14.1	15.3	1.49	2.46	3.67	.97	2.17
01:00	11.9	13.2	13.9	15.1	1.24	2.02	3.13	.78	1.89
02:00	12.3	13.3	14.1	15.1	1.01	1.85	2.89	.83	1.88
03:00	12.1	13.3	14.4	15.0	1.19	2.25	2.91	1.06	1.72
04:00	11.6	13.1	14.3	14.8	1.50	2.66	3.17	1.16	1.67
05:00	11.6	12.8	13.9	14.4	1.23	2.31	2.85	1.07	1.61
06:00	11.9	13.2	13.8	14.6	1.35	1.97	2.77	.62	1.42
07:00	12.2	13.5	14.3	14.6	1.27	2.11	2.42	.84	1.15
08:00	12.6	13.8	14.3	14.7	1.15	1.61	2.04	.46	.88
09:00	13.7	14.2	14.3	14.4	.48	.59	.73	.11	.25
10:00	14.6	14.6	14.4	14.3	-.03	-.18	-.26	-.15	-.23
11:00	15.1	14.9	14.6	14.5	-.17	-.43	-.57	-.26	-.40
12:00	15.4	15.3	15.1	15.0	-.12	-.34	-.44	-.22	-.32
13:00	15.9	15.8	15.6	15.5	-.10	-.32	-.42	-.22	-.32
14:00	16.2	16.1	15.9	15.8	-.15	-.38	-.47	-.22	-.32
15:00	16.4	16.3	16.1	15.9	-.14	-.38	-.49	-.23	-.35
16:00	16.3	16.3	16.1	16.0	-.06	-.26	-.34	-.20	-.28
17:00	15.8	15.9	15.8	15.7	.17	.04	-.03	-.13	-.20
18:00	15.0	15.4	15.3	15.2	.36	.27	.20	-.09	-.16
19:00	14.4	14.9	14.9	14.9	.53	.52	.51	-.01	-.02
20:00	14.1	14.7	14.7	14.7	.55	.56	.58	.01	.04
21:00	13.7	14.4	14.5	14.5	.68	.77	.80	.09	.12
22:00	13.4	14.2	14.4	14.6	.77	.98	1.18	.21	.41
23:00	13.2	13.9	14.0	14.3	.70	.83	1.10	.12	.39
Avg	13.8	14.4	14.7	15.0	.62	.90	1.16	.28	.54
Max	16.4	16.3	16.1	16.0	1.50	2.66	3.67	1.16	2.17
Hr. of Max	15	16	16	16	04	04	00	04	00
Min	11.6	12.8	13.8	14.3	-.17	-.43	-.57	-.26	-.40
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 01/14/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

1/13/2017

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	11.0	12.7	11.2	10.1	97.6	98.7	10.0	11.1	0.008348
01:00	11.4	12.7	11.6	10.0	97.7	98.3	10.2	11.1	0.008533
02:00	11.7	12.8	11.9	10.0	97.8	98.7	10.5	11.2	0.008717
03:00	11.6	12.9	11.8	9.9	97.7	98.7	10.4	11.3	0.008639
04:00	11.0	12.7	11.2	9.9	97.6	98.9	10.0	11.1	0.008328
05:00	11.0	12.4	11.2	9.9	97.7	98.9	10.0	10.9	0.008322
06:00	11.3	12.8	11.5	9.9	97.8	98.8	10.2	11.2	0.008482
07:00	11.6	13.0	11.8	9.9	97.8	98.7	10.4	11.4	0.008662
08:00	12.1	13.3	12.3	9.9	97.8	98.6	10.7	11.6	0.008917
09:00	13.1	13.5	13.3	9.9	97.9	97.2	11.4	11.7	0.009559
10:00	13.7	13.4	14.0	9.9	96.0	94.2	11.8	11.6	0.00993
11:00	12.8	12.6	13.6	10.0	88.0	87.7	11.2	11.0	0.009379
12:00	12.3	12.2	13.3	10.1	83.2	83.1	10.8	10.7	0.009061
13:00	12.4	12.2	13.5	10.3	80.6	80.4	10.8	10.7	0.009091
14:00	12.6	12.6	13.8	10.5	80.5	81.1	11.0	11.0	0.009261
15:00	12.9	13.0	14.1	10.6	81.1	82.0	11.2	11.2	0.009447
16:00	13.3	13.3	14.3	10.8	83.8	84.2	11.5	11.5	0.009692
17:00	13.5	13.6	14.3	10.9	88.0	87.7	11.7	11.7	0.009815
18:00	14.0	14.1	14.3	11.0	95.2	94.0	12.0	12.1	0.010114
19:00	13.8	14.5	14.0	11.0	97.6	98.8	11.9	12.4	0.009973
20:00	13.5	14.3	13.7	11.0	97.7	99.0	11.7	12.3	0.00981
21:00	13.1	14.0	13.3	11.0	97.6	99.1	11.4	12.1	0.009544
22:00	12.8	13.8	13.0	11.0	97.6	99.2	11.2	11.9	0.009331
23:00	12.6	13.6	12.8	11.0	97.6	99.3	11.1	11.7	0.009227
Avg	12.5	13.2	12.9	10.4	93.4	94.0	11.0	11.4	0.009174
Max	14.0	14.5	14.3	11.0	97.9	99.3	12.0	12.4	0.010114
Hr. of Max	18	19	18	23	09	23	18	19	18
Min	11.0	12.2	11.2	9.9	80.5	80.4	10.0	10.7	0.008322
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 01/14/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

1/13/2017

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	0.009316	13.2	14.7	.00	29.41	996.0	-2.3	.00	95.7
01:00	0.009314	13.5	14.7	.00	29.41	996.0	-2.7	.00	105.0
02:00	0.009406	13.8	14.8	.00	29.43	996.5	-2.8	.00	130.0
03:00	0.009439	13.7	14.9	.00	29.44	997.0	-2.6	.00	218.7
04:00	0.009308	13.2	14.7	.00	29.45	997.4	-2.1	.00	148.4
05:00	0.009141	13.2	14.5	.00	29.46	997.8	-2.6	.00	199.2
06:00	0.009367	13.4	14.8	.00	29.48	998.4	-2.6	.00	150.3
07:00	0.009506	13.7	15.0	.00	29.50	999.2	-1.7	.00	179.4
08:00	0.0097	14.1	15.4	.00	29.52	999.8	21.9	.03	131.4
09:00	0.009791	15.1	15.5	.00	29.55	1000.6	36.8	.05	81.8
10:00	0.009719	15.7	15.4	.00	29.56	1001.2	77.6	.11	84.0
11:00	0.009246	14.9	14.7	.00	29.56	1001.1	134.5	.19	65.8
12:00	0.008979	14.4	14.2	.00	29.55	1000.6	101.4	.15	67.2
13:00	0.009013	14.4	14.3	.00	29.53	1000.0	117.5	.17	116.2
14:00	0.009243	14.7	14.6	.00	29.52	999.8	97.3	.14	13.2
15:00	0.009469	15.0	15.0	.00	29.52	999.8	99.7	.14	16.0
16:00	0.009703	15.3	15.4	.00	29.53	999.9	53.9	.08	28.9
17:00	0.00989	15.5	15.7	.00	29.53	1000.0	6.7	.01	49.5
18:00	0.010219	16.0	16.2	.02	29.54	1000.4	-1.9	.00	50.2
19:00	0.010439	15.8	16.5	.01	29.55	1000.6	-1.8	.00	66.7
20:00	0.010303	15.5	16.3	.00	29.56	1000.9	-2.3	.00	50.4
21:00	0.01013	15.1	16.0	.00	29.56	1001.0	-2.5	.00	80.1
22:00	0.009975	14.8	15.8	.00	29.56	1001.0	-2.8	.00	67.2
23:00	0.009826	14.6	15.6	.00	29.55	1000.7	-2.6	.00	66.8
Avg	0.009602	14.5	15.2	.00	29.51	999.4	29.8	.04	87.0
Max	0.010439	16.0	16.5	.02	29.56	1001.2	134.5	.19	218.7
Hr. of Max	19	18	19	18	22	10	11	11	03
Min	0.008979	13.2	14.2	.00	29.41	996.0	-2.8	.00	13.2
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 01/14/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

1/13/2017

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	257.4	252.1	265.3 +	247.5	27.9	36.5	13.5	.2	.2
01:00	221.9	233.5	221.2	229.7	23.3	35.6	12.6	.1	.2
02:00	257.2	257.6	226.4	252.5	20.1	16.1	7.8	.1	.3
03:00	228.3	257.0	241.2	249.5	24.1	38.5	11.2	1.1	1.6
04:00	243.2	257.2	246.5	251.9	47.8	31.3	11.3	.4	1.9
05:00	230.2	248.2	238.0	243.5	38.5	13.1	13.4	.5	2.5
06:00	231.8	272.3	237.3	267.0	33.6	19.2	11.3	.2	1.5
07:00	244.9	272.3	234.4	266.9	22.1	19.1	11.4	.4	1.6
08:00	216.3	232.3	233.6	227.8	62.3	16.7	11.7	.4	1.6
09:00	72.2	63.6	66.2	51.5	26.2	31.6	51.1	.8	1.2
10:00	74.6	71.8	81.4	63.5	19.0	20.7	16.3	1.9	2.5
11:00	55.6	57.4	59.2	49.0	24.6	20.9	14.4	2.1	3.0
12:00	46.6	47.2	52.7	38.5	33.1	27.5	22.2	.9	1.5
13:00	328.5	354.2	186.2	335.5	50.8	44.2	54.0	.3	.3
14:00	1.2	351.4	349.7	341.1	40.3	22.7	19.6	1.8	2.6
15:00	12.2	7.4	359.9	357.5	34.2	22.0	17.6	1.8	2.5
16:00	24.5	24.8	17.1	14.1	31.0	21.2	20.1	1.9	3.5
17:00	39.0	39.3	31.3	29.1	30.2	17.9	13.0	1.2	2.8
18:00	34.3	26.9	33.7	16.3	27.1	19.2	16.1	1.1	1.9
19:00	84.4	90.0	18.6	81.2	34.3	23.3	14.0	.4	1.0
20:00	41.0	50.3	27.7	40.3	34.2	30.7	24.3	.9	1.8
21:00	84.9	131.1	276.5	119.3	39.6	37.1	34.3	.1	.4
22:00	335.5	5.1	302.0	346.4	31.2	24.9	27.5	.4	1.0
23:00	61.6	53.1	43.6	43.2	16.8	10.8	9.6	.7	1.6
Avg	7.0	358.0	320.0	345.0	32.2	25.0	19.1	.0	.0
Max	335.5	354.2	359.9	357.5	62.3	44.2	54.0	2.1	3.5
Hr. of Max	22	13	15	15	08	13	13	11	16
Min	1.2	5.1	17.1	14.1	16.8	10.8	7.8	.1	.2
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 01/14/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

1/13/2017

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	2.3	.2	.3	2.4	.7	2.6	2.9	.1	.04
01:00	1.8	.2	.3	2.1	.7	2.2	3.1	-.8	.04
02:00	2.0	.1	.3	2.1	.8	2.2	3.4	.3	.05
03:00	3.0	1.2	1.8	3.2	1.6	3.4	2.6	1.1	.07
04:00	3.6	.8	2.5	4.0	1.3	4.2	2.0	.7	.03
05:00	2.8	.7	2.6	2.8	1.2	3.0	2.6	.5	.06
06:00	2.7	.2	1.6	2.8	1.0	2.9	1.5	1.6	.02
07:00	3.4	.5	1.8	3.6	1.2	3.7	2.4	.9	.05
08:00	2.5	.5	1.8	2.7	1.0	2.9	1.9	-.1	.02
09:00	.9	.8	2.0	2.1	1.2	2.4	2.9	1.4	.04
10:00	3.5	2.0	2.7	3.6	2.4	3.9	.5	4.0	.00
11:00	3.5	2.3	3.2	3.6	2.7	3.9	.8	2.9	-.06
12:00	1.8	1.2	1.7	1.9	1.6	2.2	-.2	2.5	-.07
13:00	.4	.8	.9	.9	1.3	1.3	2.9	.7	.11
14:00	2.5	2.0	2.7	2.7	2.3	3.0	-2.1	-.2	-.25
15:00	2.8	2.1	2.7	3.0	2.4	3.3	-3.8	-3.1	-.26
16:00	3.9	2.3	3.8	4.2	2.5	4.5	.1	-.4	-.15
17:00	3.5	1.4	3.0	3.6	1.6	3.8	-2.7	-.3	-.16
18:00	2.3	1.3	2.3	2.7	1.6	2.9	-2.8	-1.4	-.10
19:00	1.7	.8	1.3	1.8	1.2	2.0	1.5	1.8	.02
20:00	2.2	1.2	2.2	2.6	1.6	2.8	-2.1	.0	-.10
21:00	.7	.5	.6	.9	1.0	1.2	1.4	-1.7	.02
22:00	1.0	.5	1.2	1.4	.9	1.7	.6	3.3	.00
23:00	1.8	.8	1.6	2.0	1.1	2.2	1.2	3.3	-.02
Avg	.0	1.0	1.9	2.6	1.5	2.8	.9	.7	-.03
Max	3.9	2.3	3.8	4.2	2.7	4.5	3.4	4.0	.11
Hr. of Max	16	16	16	16	11	16	02	10	13
Min	.4	.1	.3	.9	.7	1.2	-3.8	-3.1	-.26
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 01/14/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

1/13/2017

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	.00	2.5	2.7	6.6	7.4	3.2	13.8	15.9
01:00	-.03	1.4	1.8	6.0	6.1	3.8	13.9	15.7
02:00	.01	2.1	2.5	4.4	5.2	3.5	14.1	15.8
03:00	.04	3.2	5.0	7.8	6.4	6.4	14.1	15.6
04:00	.06	2.7	4.6	7.8	8.2	5.2	13.8	15.4
05:00	.02	3.7	5.5	8.0	8.0	3.2	13.5	15.0
06:00	.07	1.8	3.0	6.2	8.4	6.7	14.0	15.2
07:00	.04	2.5	3.7	9.8	9.0	6.7	14.2	15.2
08:00	-.01	3.0	5.0	9.2	8.6	4.7	14.6	15.2
09:00	.03	2.5	4.1	5.3	14.1	6.8	15.0	15.0
10:00	.27	5.0	6.0	7.1	16.5	11.6	15.4	14.9
11:00	.10	6.2	6.0	6.4	20.2	13.8	15.7	15.0
12:00	.08	3.9	3.9	4.4	24.7	18.3	16.1	15.5
13:00	.09	4.4	3.4	2.5	28.4	30.6	16.7	16.0
14:00	-.04	5.3	6.4	6.0	23.0	18.9	16.9	16.3
15:00	-.18	5.3	5.3	8.0	20.4	11.5	17.2	16.5
16:00	-.05	6.9	8.0	7.8	20.2	10.1	17.2	16.5
17:00	-.03	4.6	5.5	6.6	22.0	7.6	16.8	16.3
18:00	-.08	4.4	6.2	5.5	14.9	8.4	16.3	15.8
19:00	.07	2.5	3.2	3.4	10.0	5.7	15.8	15.5
20:00	.00	3.7	5.7	5.7	12.3	5.8	15.6	15.3
21:00	-.02	1.8	2.1	3.9	7.1	7.3	15.3	15.1
22:00	.10	3.0	4.4	3.4	8.9	10.4	15.0	15.2
23:00	.10	3.0	3.9	3.9	8.8	4.6	14.8	14.9
Avg	.03	3.6	4.5	6.1	13.3	9.0	15.2	15.5
Max	.27	6.9	8.0	9.8	28.4	30.6	17.2	16.5
Hr. of Max	10	16	16	07	13	13	16	16
Min	-.18	1.4	1.8	2.5	5.2	3.2	13.5	14.9
Count	24	24	24	24	24	24	24	24
Total								