Date Printed: 02/24/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

2/23/2017

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	9.8	11.2	11.8	12.8	1.45	2.07	3.05	.62	1.59
01:00	9.6	10.4	11.4	12.6	.86	1.78	3.06	.92	2.20
02:00	9.9	10.3	10.8	11.6	.42	.92	1.73	.49	1.30
03:00	10.4	10.6	10.8	11.1	.20	.33	.71	.13	.51
04:00	10.3	10.6	10.8	11.0	.34	.57	.77	.23	.43
05:00	10.2	10.5	10.8	11.0	.33	.61	.73	.28	.40
06:00	10.5	10.7	10.8	10.8	.19	.36	.35	.17	.16
07:00	10.9	10.9	10.9	10.8	.00	-.04	-.10	-.03	-.10
08:00	11.1	11.0	11.0	10.9	-.10	-.17	-.25	-.07	-.15
09:00	11.7	11.5	11.4	11.3	-.14	-.26	-.39	-.12	-.24
10:00	12.4	12.2	12.1	12.0	-.16	-.24	-.33	-.08	-.16
11:00	13.3	13.0	12.8	12.7	-.25	-.52	-.60	-.26	-.34
12:00	14.9	14.6	14.0	14.2	-.26	-.87	-.66	-.61	-.40
13:00	18.4	18.1	16.2	17.4	-.36	-2.24	-1.06	-1.88	-.70
14:00	20.8	20.1	19.7	19.5	-.73	-1.15	-1.29	-.42	-.56
15:00	22.0	21.3	21.0	20.9	-.69	-.96	-1.10	-.27	-.41
16:00	22.6	22.1	21.8	21.7	-.51	-.81	-.92	-.29	-.41
17:00	21.3	21.6	21.5	21.4	.30	.15	.07	-.16	-.23
18:00	17.9	20.3	20.7	21.0	2.42	2.85	3.09	.42	.67
19:00	16.3	18.3	19.0	20.0	1.99	2.73	3.69	.74	1.70
20:00	15.0	16.8	17.9	19.2	1.79	2.89	4.18	1.10	2.39
21:00	13.6	15.7	16.6	18.8	2.07	3.00	5.11	.93	3.05
22:00	12.8	14.8	16.7	18.7	2.01	3.86	5.82	1.85	3.82
23:00	12.0	14.8	17.7	18.4	2.81	5.63	6.33	2.82	3.52
Avg	14.1	14.6	14.9	15.4	.58	.85	1.33	.27	.75
Max	22.6	22.1	21.8	21.7	2.81	5.63	6.33	2.82	3.82
Hr. of Max	16	16	16	16	23	23	23	23	22
Min	9.6	10.3	10.8	10.8	-.73	-2.24	-1.29	-1.88	-.70
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 02/24/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

2/23/2017

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	9.2	10.9	9.4	12.6	97.4	99.3	8.9	10.0	0.007469
01:00	9.0	10.2	9.2	12.4	97.4	99.4	8.8	9.5	0.007379
02:00	9.3	10.0	9.5	12.3	97.5	99.5	9.0	9.4	0.00754
03:00	9.9	10.3	10.1	12.2	97.7	99.4	9.3	9.6	0.007833
04:00	9.8	10.3	9.9	12.1	97.8	99.4	9.2	9.6	0.007764
05:00	9.7	10.3	9.9	12.0	97.8	99.5	9.2	9.6	0.00773
06:00	9.9	10.4	10.1	12.0	97.7	99.7	9.4	9.7	0.007857
07:00	10.4	10.7	10.6	11.9	97.7	99.8	9.6	9.8	0.008095
08:00	10.6	10.8	10.8	11.9	97.8	99.8	9.8	9.9	0.008221
09:00	11.2	11.3	11.3	11.9	98.0	99.8	10.1	10.2	0.008537
10:00	11.9	12.0	12.0	11.9	98.3	99.9	10.6	10.6	0.008949
11:00	12.7	12.7	12.9	12.0	98.0	99.5	11.2	11.1	0.009481
12:00	12.4	12.8	13.2	12.2	86.6	90.5	10.9	11.2	0.009282
13:00	12.2	12.1	14.3	12.5	68.2	69.1	10.6	10.5	0.009192
14:00	12.1	11.5	15.0	13.0	58.6	58.8	10.5	10.1	0.009173
15:00	11.9	11.3	15.3	13.4	54.0	54.1	10.3	10.0	0.009082
16:00	11.9	11.3	15.5	13.7	51.8	51.4	10.3	9.9	0.009068
17:00	12.3	11.9	15.3	14.0	57.5	55.0	10.6	10.3	0.009268
18:00	12.7	12.4	14.5	14.2	73.1	61.6	11.0	10.7	0.009537
19:00	12.7	12.8	13.9	14.2	80.6	71.7	11.1	11.1	0.009524
20:00	12.6	12.9	13.4	14.2	86.8	79.2	11.0	11.2	0.009434
21:00	12.3	13.1	12.7	14.1	92.7	86.0	10.8	11.4	0.009221
22:00	12.0	13.2	12.3	14.0	96.2	91.7	10.7	11.5	0.009064
23:00	11.5	13.0	11.7	13.9	97.8	90.3	10.3	11.3	0.008742
Avg	11.3	11.6	12.2	12.9	86.5	85.6	10.1	10.3	0.008643
Max	12.7	13.2	15.5	14.2	98.3	99.9	11.2	11.5	0.009537
Hr. of Max	19	22	16	20	10	10	11	22	18
Min	9.0	10.0	9.2	11.9	51.8	51.4	8.8	9.4	0.007379
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 02/24/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

2/23/2017

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	0.008391	11.6	13.1	.00	28.98	981.4	-2.1	.00	76.9
01:00	0.007981	11.5	12.4	.00	28.97	981.2	-2.4	.00	71.0
02:00	0.007917	11.8	12.3	.00	28.97	981.1	-2.0	.00	81.9
03:00	0.008083	12.2	12.6	.00	28.97	981.0	-2.0	.00	62.3
04:00	0.008069	12.1	12.6	.00	28.97	981.2	-2.8	.00	92.7
05:00	0.008042	12.0	12.5	.00	28.99	981.7	-.8	.00	174.7
06:00	0.008119	12.2	12.7	.00	29.00	981.9	-1.7	.00	108.3
07:00	0.008265	12.6	12.9	.00	29.01	982.3	4.5	.01	44.5
08:00	0.008332	12.8	13.0	.00	29.02	982.7	53.4	.08	54.9
09:00	0.00861	13.3	13.4	.00	29.02	982.8	137.8	.20	48.7
10:00	0.008999	13.9	14.0	.01	29.02	982.6	204.4	.29	75.6
11:00	0.009464	14.7	14.7	.00	29.01	982.4	283.2	.41	43.3
12:00	0.00954	14.4	14.8	.00	28.98	981.4	632.4	.91	106.8
13:00	0.009106	14.3	14.1	.00	28.94	980.1	727.7	1.04	95.4
14:00	0.008795	14.2	13.7	.00	28.91	979.1	660.1	.95	149.5
15:00	0.00873	14.1	13.5	.00	28.89	978.2	558.6	.80	180.8
16:00	0.008731	14.1	13.5	.00	28.88	978.1	350.6	.50	236.8
17:00	0.009048	14.4	14.0	.00	28.89	978.4	105.3	.15	286.5
18:00	0.009358	14.8	14.5	.00	28.90	978.8	5.0	.01	39.5
19:00	0.009598	14.8	14.9	.00	28.91	979.0	-1.6	.00	77.7
20:00	0.009641	14.6	14.9	.00	28.91	979.1	-2.0	.00	88.4
21:00	0.009766	14.3	15.1	.00	28.91	979.2	-1.7	.00	97.1
22:00	0.00984	14.1	15.3	.00	28.92	979.4	-2.4	.00	85.8
23:00	0.009698	13.6	15.0	.00	28.92	979.4	-1.8	.00	103.4
Avg	0.008838	13.4	13.7	.00	28.95	980.5	154.2	.22	86.0
Max	0.00984	14.8	15.3	.01	29.02	982.8	727.7	1.04	286.5
Hr. of Max	22	19	22	10	10	09	13	13	17
Min	0.007917	11.5	12.3	.00	28.88	978.1	-2.8	.00	39.5
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 02/24/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

2/23/2017

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	51.5	54.2	60.1	44.5	19.6	20.8	5.1	.3	1.5
01:00	64.4	60.5	56.2	51.1	12.3	7.7	6.7	.7	2.9
02:00	69.3	62.6	76.9	53.5	25.8	19.9	5.9	.8	2.6
03:00	40.7	62.7	45.9	52.8	20.4	10.6	7.4	1.3	2.6
04:00	61.7	49.7	84.6	38.9	8.3	14.2	6.1	.5	1.8
05:00	44.3	71.0	234.1	58.3	16.7	36.7	13.2	.8	.8
06:00	89.6	79.0	247.7	67.2	34.5	46.5	22.2	.1	.6
07:00	31.8	40.5	9.0	28.9	27.1	13.9	8.6	1.0	2.9
08:00	44.9	49.3	38.5	39.0	25.4	21.5	17.1	1.8	2.9
09:00	43.9	45.6	26.4	34.1	24.8	17.8	13.0	1.5	2.4
10:00	68.0	64.7	60.7 +	54.6	28.3	33.8	24.7	1.1	1.4
11:00	46.9	50.0	26.0	39.6	38.8	28.5	21.6	1.2	1.6
12:00	101.3	91.2	108.8	81.6	24.4	33.8	28.9	2.4	2.4
13:00	96.3	92.6	93.6	81.8	39.8	44.0	39.7	1.8	1.5
14:00	169.2	178.3	155.1	173.4	41.6	41.8	40.9	2.4	2.8
15:00	193.5	201.2	187.0	196.8	37.7	29.8	29.0	3.3	3.7
16:00	256.0	254.1	241.6	249.0	40.5	26.3	23.0	2.4	3.1
17:00	293.7	289.5	279.5	282.9	48.9	30.6	24.2	1.7	2.8
18:00	255.3	274.2	268.8	269.8	44.7	34.9	15.2	.1	.4
19:00	66.0	145.4	41.3	121.7	12.1	40.7	16.4	.7	1.8
20:00	51.6	86.9	94.1	78.6	11.2	18.1	14.9	.3	1.5
21:00	58.6	139.3	141.4	129.4	15.2	24.1	20.0	.2	.7
22:00	29.1	183.4	94.3	178.9	24.4	34.5	14.1	.2	.0
23:00	222.3	196.1	173.8	191.3	21.6	15.2	9.0	.0	2.8
Avg	60.0	84.0	80.0	71.0	26.8	26.9	17.8	.0	.0
Max	293.7	289.5	279.5	282.9	48.9	46.5	40.9	3.3	3.7
Hr. of Max	17	17	17	17	17	06	14	15	15
Min	29.1	40.5	9.0	28.9	8.3	7.7	5.1	.0	.0
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 02/24/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

2/23/2017

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	3.4	.3	1.6	3.4	.9	3.6	3.3	2.6	.06
01:00	3.4	.8	2.9	3.5	1.1	3.7	2.4	2.4	.04
02:00	3.8	.9	2.7	3.8	1.3	4.0	1.4	.6	.01
03:00	3.3	1.4	2.7	3.4	1.6	3.6	-1.4	-.4	-.09
04:00	3.0	.5	1.8	3.0	.9	3.2	3.0	1.3	.05
05:00	1.9	.8	1.0	1.9	1.3	2.2	1.6	.0	.03
06:00	1.2	.2	.9	1.5	1.0	1.8	3.2	2.8	.06
07:00	3.8	1.1	3.0	3.9	1.5	4.1	1.6	.9	-.05
08:00	3.3	2.0	3.1	3.5	2.4	3.8	-1.5	2.7	-.15
09:00	2.7	1.6	2.5	2.8	2.0	3.1	-3.2	-6.1	-.21
10:00	1.9	1.2	1.6	2.1	1.7	2.5	-6.2	-5.7	-.24
11:00	2.0	1.8	2.1	2.3	2.3	2.7	.1	-9.0	-.04
12:00	2.7	2.6	2.7	3.0	3.1	3.6	2.2	4.4	.10
13:00	1.5	2.2	2.2	2.2	2.9	2.9	.6	-1.9	.06
14:00	3.0	3.3	3.5	3.7	3.8	4.2	1.7	.4	.13
15:00	4.1	4.0	4.3	4.6	4.6	5.2	-1.3	-3.4	-.11
16:00	3.6	3.1	3.8	4.2	3.7	4.8	-1.6	-.7	-.10
17:00	3.5	2.1	3.2	3.8	2.4	4.0	2.2	2.3	-.02
18:00	1.4	.1	.4	1.5	.6	1.7	.9	.5	.01
19:00	1.5	.8	1.9	1.6	1.0	1.9	1.4	.0	.02
20:00	1.9	.4	1.6	2.0	.7	2.2	2.9	1.2	.04
21:00	1.0	.2	.7	1.3	.5	1.6	2.0	-1.2	.03
22:00	3.4	.2	.9	3.6	.7	3.9	2.6	-1.3	.03
23:00	5.3	.1	2.9	5.4	.5	5.6	2.4	-1.3	.04
Avg	.0	1.3	2.3	3.0	1.8	3.3	.8	-.4	-.01
Max	5.3	4.0	4.3	5.4	4.6	5.6	3.3	4.4	.13
Hr. of Max	23	15	15	23	15	23	00	12	14
Min	1.0	.1	.4	1.3	.5	1.6	-6.2	-9.0	-.24
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 02/24/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

2/23/2017

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	.16	2.3	3.2	6.2	10.8	3.4	11.9	13.4
01:00	.14	2.5	4.4	6.4	8.5	4.2	11.1	13.2
02:00	.04	3.4	8.2	9.2	12.1	5.9	10.9	12.1
03:00	-.02	3.2	5.3	6.4	11.6	3.8	11.3	11.5
04:00	.07	2.7	3.4	5.3	8.8	3.3	11.2	11.4
05:00	.05	2.3	2.7	6.2	7.1	11.5	11.2	11.3
06:00	.07	4.1	4.8	4.6	14.7	13.0	11.3	11.2
07:00	.06	6.4	7.6	7.3	23.1	7.6	11.7	11.2
08:00	.14	5.5	6.6	6.6	19.6	13.6	11.8	11.3
09:00	-.33	4.4	5.3	5.7	26.3	13.6	12.4	11.8
10:00	-.32	5.5	4.8	6.2	29.6	24.0	13.1	12.6
11:00	-.41	5.0	5.0	5.5	28.2	22.7	14.1	13.3
12:00	.29	6.9	7.3	7.6	23.3	27.8	15.9	15.2
13:00	.16	6.4	6.2	8.2	28.5	35.2	18.9	18.1
14:00	-.08	8.5	8.5	10.1	23.4	26.5	20.7	19.9
15:00	-.44	12.4	10.1	10.3	18.0	23.3	21.8	21.1
16:00	-.06	11.2	10.5	12.8	21.3	21.3	22.7	21.9
17:00	-.08	8.2	9.2	14.0	20.4	19.0	22.4	21.8
18:00	.02	2.7	5.3	5.7	11.4	11.0	21.0	21.4
19:00	.03	3.4	4.4	5.0	8.4	6.0	19.1	20.5
20:00	.06	2.1	3.7	3.7	9.0	6.0	17.6	19.8
21:00	-.04	3.0	3.2	4.6	7.9	10.7	16.5	19.3
22:00	-.14	2.3	7.8	9.2	17.1	10.9	15.6	19.2
23:00	-.16	1.8	6.0	11.0	20.2	7.3	15.4	18.9
Avg	-.03	4.8	6.0	7.4	17.1	13.8	15.4	15.9
Max	.29	12.4	10.5	14.0	29.6	35.2	22.7	21.9
Hr. of Max	12	15	16	17	10	13	16	16
Min	-.44	1.8	2.7	3.7	7.1	3.3	10.9	11.2
Count	24	24	24	24	24	24	24	24
Total								