Date Printed: 08/09/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/8/2016

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	24.1	24.2	24.2	24.3	.07	.05	.13	-.02	.06
01:00	23.6	23.8	24.0	24.2	.16	.43	.60	.27	.44
02:00	22.8	23.3	23.6	23.8	.44	.75	.96	.31	.52
03:00	22.5	23.2	23.4	23.5	.69	.83	.97	.14	.28
04:00	22.6	23.1	23.3	23.5	.59	.75	.92	.16	.33
05:00	22.4	23.2	23.3	23.3	.79	.84	.89	.05	.11
06:00	22.5	23.1	23.1	23.2	.63	.64	.72	.01	.09
07:00	23.1	23.2	23.2	23.3	.10	.10	.16	.00	.06
08:00	24.2	24.0	23.8	23.7	-.19	-.40	-.47	-.21	-.29
09:00	24.7	24.4	24.2	24.1	-.26	-.51	-.60	-.25	-.35
10:00	25.9	25.4	25.1	25.0	-.51	-.83	-.95	-.31	-.43
11:00	27.9	27.1	26.8	26.7	-.75	-1.06	-1.19	-.32	-.44
12:00	29.6	28.5	28.2	28.1	-1.06	-1.42	-1.50	-.37	-.44
13:00	30.3	29.4	29.1	29.0	-.90	-1.26	-1.35	-.35	-.45
14:00	31.1	30.3	30.0	29.9	-.79	-1.10	-1.23	-.31	-.44
15:00	32.1	31.2	30.8	30.7	-.97	-1.29	-1.41	-.32	-.44
16:00	31.7	31.1	30.8	30.6	-.63	-.94	-1.07	-.31	-.44
17:00	29.6	29.3	29.1	29.0	-.28	-.46	-.55	-.18	-.27
18:00	29.1	28.8	28.7	28.7	-.28	-.43	-.41	-.15	-.13
19:00	27.9	28.0	28.1	28.2	.05	.16	.25	.12	.20
20:00	26.7	27.4	27.5	27.5	.63	.74	.81	.10	.17
21:00	25.5	26.1	26.5	26.8	.62	1.02	1.31	.40	.69
22:00	24.9	25.1	25.6	25.9	.26	.68	.99	.42	.74
23:00	24.3	24.8	25.0	25.3	.49	.68	.96	.19	.47
Avg	26.2	26.2	26.1	26.2	-.05	-.08	-.04	-.04	.00
Max	32.1	31.2	30.8	30.7	.79	1.02	1.31	.42	.74
Hr. of Max	15	15	16	15	05	21	21	22	22
Min	22.4	23.1	23.1	23.2	-1.06	-1.42	-1.50	-.37	-.45
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 08/09/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/8/2016

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	21.5	21.6	22.4	28.2	87.4	87.7	18.7	18.9	0.016688
01:00	21.4	21.7	22.2	28.0	90.0	90.5	18.7	19.0	0.016656
02:00	21.2	21.8	21.8	27.9	93.1	93.8	18.5	19.1	0.016464
03:00	21.1	22.0	21.6	27.7	94.0	95.4	18.4	19.4	0.016292
04:00	21.2	22.1	21.7	27.5	94.5	96.2	18.5	19.5	0.01642
05:00	21.2	22.1	21.6	27.3	95.2	96.1	18.5	19.5	0.016413
06:00	21.3	21.9	21.7	27.2	95.7	95.7	18.7	19.3	0.016548
07:00	21.7	21.8	22.2	27.0	94.3	94.6	19.1	19.2	0.016945
08:00	22.0	22.0	22.7	26.9	90.1	91.2	19.3	19.3	0.017231
09:00	22.1	22.0	22.9	26.8	87.7	88.7	19.4	19.3	0.017299
10:00	21.9	21.5	23.3	26.8	81.0	81.4	19.2	18.7	0.017191
11:00	21.5	20.8	23.7	26.9	70.7	70.5	18.6	17.8	0.0168
12:00	21.5	20.9	24.2	27.1	63.7	65.2	18.5	17.9	0.016754
13:00	21.5	20.8	24.4	27.6	61.1	61.6	18.5	17.7	0.016796
14:00	21.8	21.3	24.9	28.0	59.7	60.4	18.7	18.2	0.017112
15:00	20.7	20.1	24.5	28.4	52.6	53.7	17.5	17.0	0.016028
16:00	21.0	20.6	24.6	28.7	55.1	55.6	17.9	17.4	0.016347
17:00	21.8	21.5	24.4	28.9	65.0	65.1	18.8	18.5	0.01711
18:00	22.1	21.8	24.4	28.9	68.2	68.1	19.2	18.9	0.017475
19:00	22.6	22.1	24.4	28.9	75.0	72.7	19.8	19.3	0.017951
20:00	22.6	22.1	23.9	28.9	80.3	75.2	19.8	19.3	0.017894
21:00	23.0	22.6	23.8	28.8	88.8	83.7	20.5	20.0	0.018387
22:00	22.9	23.1	23.6	28.6	91.4	91.1	20.4	20.6	0.018251
23:00	22.6	22.9	23.2	28.5	92.7	92.0	20.0	20.4	0.0179
Avg	21.8	21.7	23.3	27.9	80.3	80.3	19.0	18.9	0.01704
Max	23.0	23.1	24.9	28.9	95.7	96.2	20.5	20.6	0.018387
Hr. of Max	21	22	14	20	06	04	21	22	21
Min	20.7	20.1	21.6	26.8	52.6	53.7	17.5	17.0	0.016028
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 08/09/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/8/2016

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	0.016822	25.7	25.9	.00	29.01	982.5	-2.2	.00	37.6
01:00	0.016922	25.6	26.0	.00	29.01	982.3	-2.3	.00	337.4
02:00	0.017023	25.3	26.2	.00	29.00	982.1	-2.1	.00	335.0
03:00	0.017256	25.1	26.5	.00	28.99	981.9	-2.1	.00	15.0
04:00	0.017328	25.3	26.6	.00	29.00	982.0	-2.6	.00	8.1
05:00	0.017389	25.3	26.7	.00	29.00	982.2	-2.7	.00	24.9
06:00	0.017188	25.5	26.4	.00	29.01	982.4	-.9	.00	46.2
07:00	0.017087	26.1	26.3	.00	29.02	982.8	34.9	.05	34.9
08:00	0.01724	26.5	26.5	.00	29.04	983.4	76.9	.11	43.8
09:00	0.017226	26.6	26.5	.00	29.05	983.8	126.8	.18	48.8
10:00	0.016764	26.5	25.8	.00	29.05	983.9	421.0	.60	88.9
11:00	0.016039	25.9	24.7	.00	29.05	983.9	697.1	1.00	143.6
12:00	0.016127	25.8	24.9	.00	29.04	983.4	874.3	1.25	124.2
13:00	0.016072	25.8	24.8	.00	29.03	983.1	667.9	.96	171.2
14:00	0.016558	26.3	25.5	.00	29.01	982.4	594.6	.85	218.9
15:00	0.015475	24.7	23.8	.00	28.99	981.6	806.9	1.16	245.0
16:00	0.015914	25.1	24.5	.00	28.98	981.3	374.8	.54	99.8
17:00	0.016849	26.3	25.9	.00	28.98	981.4	161.0	.23	117.7
18:00	0.017149	26.8	26.3	.00	28.98	981.3	125.3	.18	65.5
19:00	0.017447	27.5	26.8	.00	28.99	981.8	43.4	.06	358.9
20:00	0.017397	27.5	26.7	.00	29.00	982.1	8.3	.01	31.2
21:00	0.017959	28.2	27.6	.00	29.02	982.7	-2.1	.00	358.9
22:00	0.018457	28.0	28.3	.00	29.03	983.1	-2.0	.00	336.5
23:00	0.018279	27.5	28.1	.00	29.04	983.4	-2.3	.00	.7
Avg	0.016999	26.2	26.1	.00	29.01	982.5	208.0	.30	37.0
Max	0.018457	28.2	28.3	.00	29.05	983.9	874.3	1.25	358.9
Hr. of Max	22	21	22	23	11	11	12	12	21
Min	0.015475	24.7	23.8	.00	28.98	981.3	-2.7	.00	.7
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 08/09/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/8/2016

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	53.3	60.0	38.8	48.3	22.8	11.0	7.9	1.9	4.0
01:00	42.3	75.7	332.2	62.9	51.0	38.7	12.0	.8	1.6
02:00	54.4	80.4	326.1	68.2	41.4	19.1	9.8	.6	1.4
03:00	71.1	72.5	354.4	59.6	60.8	19.0	10.9	.2	1.1
04:00	55.6	69.8	358.6	56.4	25.0	20.8	11.2	.6	1.4
05:00	48.8	61.0	24.5	47.0	19.1	16.5	9.7	1.2	1.9
06:00	70.4	68.4	48.5	55.8	42.1	12.3	9.2	.9	1.9
07:00	58.9	73.1	33.2	60.8	26.6	17.2	10.8	1.0	2.0
08:00	45.3	55.2	48.8	41.5	29.8	25.1	15.4	1.7	3.0
09:00	50.5	53.9	51.7	40.7	31.6	17.3	13.1	2.0	3.3
10:00	88.1	81.4	91.3	69.5	26.6	22.8	20.0	2.5	2.8
11:00	156.3	149.5	149.7	145.7	40.6	44.2	52.5	.9	.6
12:00	128.3	128.7	127.8	119.1	31.3	27.0	31.1	2.5	2.8
13:00	160.6	154.3	178.2	155.4	47.3	47.3	46.8	1.5	1.8
14:00	209.0	186.9	215.9	202.4	58.3	65.9	67.6	.9	.5
15:00	287.6	321.0	273.9	305.0	60.9	56.2	55.7	.2	.9
16:00	98.7	98.3	102.6	86.4	28.6	27.1	23.7	4.0	4.5
17:00	111.1	104.5	120.0	92.7	25.5	19.6	15.1	2.8	3.5
18:00	67.8	69.2	73.4	55.0	41.4	29.9	16.2	1.6	2.6
19:00	22.0	37.1	359.7	22.3	35.5	15.2	12.3	1.1	3.2
20:00	65.9	73.1	29.0	61.2	51.6	19.2	12.2	1.5	2.9
21:00	87.8	87.5	345.2	74.7	65.5	56.6	30.3	.7	1.7
22:00	47.4	77.0	333.4	63.7	56.6	43.7	20.0	.7	1.2
23:00	63.9	99.9	350.4	88.9	31.8	42.6	33.7	.4	.4
Avg	72.0	82.0	32.0	69.0	39.7	29.8	22.8	.0	.0
Max	287.6	321.0	359.7	305.0	65.5	65.9	67.6	4.0	4.5
Hr. of Max	15	15	19	15	21	14	14	16	16
Min	22.0	37.1	24.5	22.3	19.1	11.0	7.9	.2	.4
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 08/09/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/8/2016

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	5.2	2.1	4.1	5.3	2.3	5.5	-6.5	-2.1	-.32
01:00	2.3	1.3	1.8	2.4	1.5	2.6	-3.1	.3	-.13
02:00	2.1	1.2	1.4	2.2	1.4	2.4	2.2	.8	.04
03:00	2.2	.4	1.2	2.3	.7	2.5	2.3	.9	.05
04:00	2.2	.9	1.4	2.2	1.2	2.4	3.4	1.1	.05
05:00	2.4	1.2	2.0	2.4	1.4	2.6	.4	-1.0	-.01
06:00	3.0	1.1	2.0	3.1	1.3	3.3	1.8	-.8	.03
07:00	2.9	1.1	2.1	3.0	1.3	3.2	-.2	-.5	-.06
08:00	4.0	1.9	3.3	4.2	2.3	4.4	-3.5	3.2	-.26
09:00	3.8	2.5	3.7	4.1	2.8	4.4	-1.0	-.4	-.16
10:00	2.8	3.0	3.3	3.3	3.4	3.7	.6	-1.9	.02
11:00	.6	1.9	1.5	1.3	2.5	2.1	-4.0	-8.6	-.13
12:00	2.8	3.6	3.8	3.8	4.3	4.4	-3.3	-4.0	-.21
13:00	1.8	2.0	2.2	2.3	2.6	3.0	-3.2	-9.0	-.07
14:00	.3	1.8	2.2	2.2	2.6	2.9	3.2	11.0	.15
15:00	1.3	2.5	2.5	2.5	3.0	3.2	.0	-1.3	-.10
16:00	5.3	4.5	5.0	5.8	5.3	6.4	2.0	4.8	.09
17:00	4.1	3.1	3.7	4.3	3.7	4.8	7.9	7.9	.39
18:00	3.7	2.1	3.4	4.2	2.5	4.5	6.7	3.7	.15
19:00	4.1	1.2	3.4	4.3	1.5	4.6	-2.4	-.7	-.10
20:00	4.0	1.8	3.3	4.3	2.0	4.6	-3.0	1.6	-.15
21:00	3.0	1.7	2.5	3.4	2.1	3.7	1.5	.3	-.04
22:00	2.3	1.4	1.8	2.4	1.7	2.6	-1.7	.5	-.07
23:00	1.6	2.0	2.7	2.7	2.3	2.9	-1.4	1.5	-.08
Avg	.0	1.9	2.7	3.3	2.3	3.6	-.1	.3	-.04
Max	5.3	4.5	5.0	5.8	5.3	6.4	7.9	11.0	.39
Hr. of Max	16	16	16	16	16	16	17	14	17
Min	.3	.4	1.2	1.3	.7	2.1	-6.5	-9.0	-.32
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 08/09/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/8/2016

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	-.22	8.7	10.5	13.7	15.2	5.6	26.0	25.7
01:00	-.02	3.7	5.5	8.0	13.8	10.0	25.5	25.7
02:00	.04	2.7	3.2	3.9	11.2	7.3	25.0	25.3
03:00	.03	2.3	3.4	4.6	12.3	7.3	25.0	25.0
04:00	.04	2.5	3.0	3.7	9.5	5.8	24.9	25.0
05:00	-.05	3.0	5.0	5.7	9.8	6.5	25.0	24.8
06:00	-.05	4.6	6.6	7.8	10.8	5.7	24.9	24.7
07:00	-.03	3.2	5.3	5.7	15.6	7.6	25.0	24.8
08:00	.08	6.0	7.1	7.8	22.1	13.9	25.8	25.2
09:00	-.12	6.0	10.3	12.6	20.4	12.6	26.3	25.6
10:00	-.08	8.9	8.5	12.8	20.7	23.2	27.2	26.5
11:00	-.34	5.5	5.5	4.8	29.3	37.1	28.7	28.1
12:00	-.39	9.6	10.1	11.0	21.5	26.6	30.1	29.3
13:00	-.53	8.5	8.9	8.5	29.8	35.2	31.0	30.3
14:00	.61	5.5	6.4	6.9	27.6	30.5	31.8	31.1
15:00	-.17	7.6	7.6	8.2	27.0	32.4	32.5	31.8
16:00	.45	14.2	13.7	15.6	17.7	20.3	32.5	31.7
17:00	.63	8.7	11.4	14.0	17.2	14.6	30.9	30.3
18:00	.17	6.9	7.6	8.2	22.3	13.9	30.6	30.0
19:00	-.06	4.8	8.0	9.2	19.1	6.3	29.7	29.5
20:00	.10	4.6	7.3	9.4	14.0	9.2	29.1	28.9
21:00	.04	5.5	8.2	18.8	16.0	11.3	27.9	28.3
22:00	.04	6.4	5.7	4.8	11.5	6.3	27.1	27.5
23:00	.07	4.1	4.8	5.7	9.0	7.5	26.7	26.9
Avg	.01	6.0	7.2	8.8	17.6	14.9	27.9	27.6
Max	.63	14.2	13.7	18.8	29.8	37.1	32.5	31.8
Hr. of Max	17	16	16	21	13	11	16	15
Min	-.53	2.3	3.0	3.7	9.0	5.6	24.9	24.7
Count	24	24	24	24	24	24	24	24
Total								