Date Printed: 04/28/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/27/2017

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	20.9	21.9	22.0	22.2	1.04	1.19	1.36	.15	.32
01:00	21.4	21.8	21.9	22.0	.48	.51	.61	.02	.12
02:00	21.3	21.7	21.6	21.6	.42	.36	.38	-.07	-.04
03:00	19.7	20.7	20.9	21.0	1.03	1.19	1.36	.16	.33
04:00	20.4	20.8	20.8	20.9	.40	.36	.43	-.04	.03
05:00	19.5	20.5	20.5	20.5	.92	.92	.97	.00	.05
06:00	18.8	19.2	19.2	19.2	.39	.38	.45	-.01	.06
07:00	16.1	16.6	16.8	16.8	.46	.67	.68	.21	.22
08:00	16.3	16.4	16.4	16.4	.12	.15	.16	.02	.03
09:00	16.3	16.2	16.2	16.2	-.07	-.08	-.10	-.02	-.03
10:00	16.6	16.4	16.4	16.3	-.13	-.21	-.24	-.07	-.10
11:00	17.1	17.0	16.8	16.7	-.18	-.31	-.39	-.12	-.21
12:00	17.6	17.4	17.3	17.2	-.21	-.35	-.43	-.14	-.22
13:00	19.0	18.7	18.6	18.5	-.32	-.48	-.54	-.16	-.22
14:00	22.1	21.3	21.0	21.0	-.77	-1.07	-1.13	-.30	-.36
15:00	23.9	23.2	22.9	22.8	-.71	-1.03	-1.14	-.32	-.43
16:00	24.9	24.4	24.1	23.9	-.50	-.85	-.98	-.35	-.49
17:00	24.9	24.7	24.4	24.2	-.21	-.53	-.71	-.32	-.50
18:00	24.6	24.5	24.3	24.1	-.04	-.32	-.45	-.28	-.41
19:00	22.2	23.2	23.2	23.2	1.01	.98	1.07	-.03	.06
20:00	18.4	21.0	21.5	21.7	2.61	3.14	3.38	.54	.77
21:00	16.7	18.9	20.6	21.3	2.22	3.90	4.64	1.68	2.42
22:00	15.6	18.0	19.9	20.5	2.43	4.32	4.94	1.90	2.52
23:00	14.1	16.4	17.6	18.7	2.29	3.45	4.58	1.17	2.29
Avg	19.5	20.0	20.2	20.3	.53	.68	.79	.15	.26
Max	24.9	24.7	24.4	24.2	2.61	4.32	4.94	1.90	2.52
Hr. of Max	17	17	17	17	20	22	22	22	22
Min	14.1	16.2	16.2	16.2	-.77	-1.07	-1.14	-.35	-.50
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 04/28/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/27/2017

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	13.1	12.7	15.7	19.4	62.4	57.2	11.2	10.9	0.009823
01:00	13.4	13.1	16.0	19.3	61.5	58.8	11.4	11.2	0.009985
02:00	13.3	13.1	16.0	19.2	61.7	59.4	11.3	11.2	0.009951
03:00	13.3	12.9	15.4	19.1	67.8	62.1	11.3	11.0	0.009925
04:00	12.7	12.4	15.2	19.0	62.1	59.5	10.9	10.7	0.009537
05:00	12.9	12.4	15.1	18.9	66.7	61.0	11.1	10.7	0.009669
06:00	13.3	12.9	15.1	18.8	72.5	69.3	11.4	11.1	0.009919
07:00	15.5	15.5	15.7	18.8	97.7	94.7	13.2	13.2	0.01145
08:00	15.7	15.8	15.9	18.7	98.0	98.2	13.3	13.5	0.011572
09:00	15.7	15.8	15.9	18.5	97.9	99.0	13.4	13.4	0.011581
10:00	16.0	16.0	16.2	18.3	97.9	99.0	13.6	13.6	0.011796
11:00	16.5	16.5	16.7	18.3	98.0	99.0	14.1	14.0	0.012222
12:00	17.0	16.9	17.2	18.3	98.1	99.0	14.5	14.4	0.012621
13:00	18.3	18.1	18.5	18.3	97.4	98.5	15.6	15.5	0.01369
14:00	18.2	17.4	19.5	18.3	80.8	80.5	15.4	14.7	0.013686
15:00	16.6	15.7	19.0	18.5	65.2	64.0	13.9	13.1	0.01235
16:00	14.7	13.8	18.1	18.7	54.5	52.8	12.3	11.6	0.010952
17:00	14.2	13.4	17.7	19.0	52.4	50.4	11.8	11.3	0.010546
18:00	14.3	13.6	17.7	19.2	53.9	51.8	11.9	11.5	0.010618
19:00	15.1	14.2	17.4	19.3	66.1	58.5	12.7	12.0	0.011155
20:00	16.0	14.7	16.8	19.4	87.9	68.9	13.6	12.4	0.011805
21:00	15.5	15.3	15.9	19.4	94.3	80.9	13.2	12.9	0.011413
22:00	14.8	13.8	15.1	19.3	97.0	78.1	12.7	11.8	0.010924
23:00	13.4	12.2	13.6	19.2	96.7	77.5	11.6	10.7	0.009899
Avg	15.0	14.5	16.5	18.9	78.7	74.1	12.7	12.4	0.011129
Max	18.3	18.1	19.5	19.4	98.1	99.0	15.6	15.5	0.01369
Hr. of Max	13	13	14	21	12	12	13	13	13
Min	12.7	12.2	13.6	18.3	52.4	50.4	10.9	10.7	0.009537
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 04/28/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/27/2017

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	0.009593	15.2	14.8	.00	28.83	976.4	-3.1	.00	219.5
01:00	0.00983	15.4	15.2	.00	28.84	976.7	-2.1	.00	211.8
02:00	0.00984	15.4	15.2	.00	28.82	976.0	-2.1	.00	199.6
03:00	0.009702	15.3	15.0	.00	28.80	975.4	-1.1	.00	220.1
04:00	0.009363	14.7	14.5	.00	28.81	975.5	-1.1	.00	212.2
05:00	0.009367	14.9	14.5	.00	28.81	975.5	-.9	.00	177.2
06:00	0.009705	15.3	15.0	.17	28.83	976.3	-2.1	.00	216.0
07:00	0.01142	17.6	17.6	.07	28.82	976.1	-.1	.00	46.4
08:00	0.011694	17.8	18.0	.20	28.82	976.1	8.2	.01	144.0
09:00	0.011657	17.8	18.0	.31	28.83	976.3	26.4	.04	325.9
10:00	0.011826	18.2	18.2	.10	28.83	976.4	41.0	.06	51.1
11:00	0.01221	18.8	18.8	.01	28.84	976.8	85.5	.12	223.1
12:00	0.012569	19.4	19.4	.00	28.85	977.0	76.8	.11	228.2
13:00	0.01356	21.0	20.8	.00	28.86	977.2	302.0	.43	225.1
14:00	0.013	21.0	20.0	.00	28.85	977.0	909.9	1.30	222.3
15:00	0.011617	19.0	17.9	.00	28.85	976.9	884.5	1.27	227.5
16:00	0.010305	16.9	15.9	.00	28.85	977.0	748.1	1.07	225.0
17:00	0.010013	16.3	15.5	.00	28.86	977.4	421.6	.60	213.2
18:00	0.010169	16.4	15.7	.00	28.88	978.0	289.8	.42	210.6
19:00	0.010577	17.2	16.4	.00	28.89	978.5	78.5	.11	219.5
20:00	0.010879	18.2	16.8	.00	28.90	978.8	2.7	.00	289.7
21:00	0.011246	17.7	17.4	.00	28.93	979.6	-2.3	.00	349.1
22:00	0.010236	16.9	15.9	.00	28.95	980.6	-2.7	.00	247.8
23:00	0.009184	15.4	14.3	.00	28.97	981.1	-2.3	.00	280.9
Avg	0.010815	17.2	16.7	.04	28.86	977.2	160.6	.23	226.0
Max	0.01356	21.0	20.8	.31	28.97	981.1	909.9	1.30	349.1
Hr. of Max	13	14	13	09	23	23	14	14	21
Min	0.009184	14.7	14.3	.00	28.80	975.4	-3.1	.00	46.4
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 04/28/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/27/2017

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	216.8	206.5	222.1	202.0	19.8	13.4	11.9	3.5	5.9
01:00	212.0	206.0	214.1	201.5	26.0	19.0	15.4	4.6	7.5
02:00	207.7	200.1	205.3	194.6	36.1	26.9	23.9	3.2	5.1
03:00	221.2	212.8	226.7	208.7	34.6	16.7	15.3	3.1	5.4
04:00	213.2	204.5	214.8	200.0	24.4	17.6	13.2	4.4	6.7
05:00	195.8	185.7	198.9	181.2	50.5	42.6	31.8	1.2	2.8
06:00	212.2	204.8	220.3	200.5	50.8	40.8	31.5	3.3	5.5
07:00	181.6	169.6	279.4	165.0	70.3	56.7	38.2	.4	.6
08:00	211.5	181.4	216.4	178.3	74.8	66.8	63.8	.3	.5
09:00	264.4	231.1	272.1	231.9	58.9	44.0	42.1	1.1	1.7
10:00	347.6	185.7	312.8	185.0	35.9	41.5	57.7	.3	.4
11:00	242.3	238.7	236.6	234.5	42.7	22.7	16.5	1.4	2.3
12:00	248.9	251.8	235.7	247.2	33.8	17.7	13.3	1.7	2.9
13:00	237.6	235.2	229.3	231.0	29.6	18.8	13.2	3.6	5.3
14:00	231.5	231.3	224.5	226.6	26.4	20.5	16.9	5.4	7.1
15:00	234.2	231.6	228.3	227.4	25.7	19.7	14.6	7.5	10.4
16:00	230.2	228.5	226.1	224.8	23.0	17.2	13.1	8.1	11.5
17:00	218.6	217.9	213.2	213.8	25.1	19.6	13.8	7.2	9.7
18:00	219.0	216.7	212.4	212.4	23.3	19.0	14.5	5.5	7.4
19:00	213.6	209.0	224.3	205.0	20.0	13.6	10.7	3.0	5.1
20:00	235.0	204.1	278.3	199.2	23.3	12.4	10.8	1.4	2.8
21:00	287.3	278.9	272.3	272.2	53.5	35.0	20.9	.6	2.4
22:00	273.9	292.5	259.5	285.1	62.0	27.4	10.3	1.2	2.3
23:00	239.8	232.1	276.2	227.9	32.9	11.0	13.2	1.0	2.0
Avg	230.0	218.0	236.0	214.0	37.6	26.7	21.9	.0	.0
Max	347.6	292.5	312.8	285.1	74.8	66.8	63.8	8.1	11.5
Hr. of Max	10	22	10	22	08	08	08	16	16
Min	181.6	169.6	198.9	165.0	19.8	11.0	10.3	.3	.4
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 04/28/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/27/2017

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	7.8	3.7	6.1	8.0	4.2	8.4	-1.7	-2.0	-.19
01:00	10.1	5.1	7.8	10.4	5.7	11.0	-.9	-1.9	-.20
02:00	7.1	3.9	5.7	7.7	4.6	8.2	.0	-3.4	-.13
03:00	7.5	3.3	5.7	7.7	3.7	8.2	.1	-1.9	-.11
04:00	8.9	4.8	7.1	9.3	5.5	9.8	-.8	-3.1	-.23
05:00	4.4	2.4	3.9	5.6	2.9	6.0	-1.6	-.4	-.18
06:00	7.8	4.6	6.6	8.8	5.2	9.5	-.9	-3.1	-.29
07:00	2.0	1.8	2.6	3.5	2.2	3.8	2.2	-2.3	.01
08:00	1.2	2.2	2.7	3.0	2.6	3.4	2.2	.4	.03
09:00	1.7	1.6	2.4	2.6	2.1	2.9	.3	-1.9	-.06
10:00	.7	.6	.9	1.1	1.1	1.5	-.1	-5.1	-.04
11:00	3.3	1.6	2.4	3.4	2.1	3.7	.5	-.5	-.05
12:00	3.9	1.9	3.1	4.1	2.5	4.3	2.5	-.3	.00
13:00	7.1	3.9	5.6	7.3	4.4	7.8	2.4	-.2	-.03
14:00	8.8	6.0	7.6	9.3	6.5	9.9	1.6	-.3	-.07
15:00	12.7	8.3	11.1	13.2	9.2	14.1	.8	-.9	-.21
16:00	13.7	8.7	12.0	14.1	9.4	14.9	.7	-1.7	-.17
17:00	12.0	7.8	10.2	12.3	8.3	13.1	.9	-.8	-.11
18:00	9.7	5.9	7.8	10.0	6.5	10.6	1.0	.1	-.12
19:00	7.4	3.2	5.2	7.5	3.6	7.9	1.4	-.5	.02
20:00	4.7	1.7	2.9	4.8	2.0	5.1	.0	-1.3	-.02
21:00	4.4	1.2	3.3	5.2	1.6	5.2	2.5	2.0	.05
22:00	5.0	1.3	2.5	5.1	1.7	5.0	-1.0	.1	-.04
23:00	3.0	1.2	2.1	3.2	1.5	3.4	1.4	-.2	.03
Avg	.0	3.6	5.3	7.0	4.1	7.4	.6	-1.2	-.09
Max	13.7	8.7	12.0	14.1	9.4	14.9	2.5	2.0	.05
Hr. of Max	16	16	16	16	16	16	21	21	21
Min	.7	.6	.9	1.1	1.1	1.5	-1.7	-5.1	-.29
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 04/28/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/27/2017

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	-.36	11.4	12.6	14.7	12.1	9.0	22.7	22.7
01:00	-.53	15.3	18.1	21.3	17.5	10.7	22.7	22.5
02:00	-.66	16.3	27.0	22.2	19.3	15.9	22.5	22.2
03:00	-.40	9.6	14.0	15.8	16.0	12.0	21.5	21.6
04:00	-.61	12.8	14.0	20.6	15.5	10.2	21.6	21.3
05:00	-.24	10.8	15.6	24.3	19.6	17.4	21.2	20.9
06:00	-.58	14.7	19.0	23.6	18.8	12.4	20.0	19.9 R
07:00	-.17	6.9	11.7	9.2	17.3	15.2	17.7	17.6
08:00	.00	8.0	10.1	15.1	18.2	23.1	17.5	17.2
09:00	-.07	8.0	8.9	10.3	17.2	17.2	17.5	17.1
10:00	-.14	3.4	3.4	6.4	17.3	21.3	17.7	17.3
11:00	-.09	5.3	5.3	6.4	19.0	11.9	18.3	17.7
12:00	-.05	6.4	7.6	8.2	19.3	11.4	18.8	18.2
13:00	-.13	11.4	13.1	14.9	19.8	10.9	20.0	19.4
14:00	-.23	18.1	20.6	21.1	18.3	12.7	22.4	21.5
15:00	-.42	23.1	27.2	25.2	17.3	10.7	24.1	23.2
16:00	-.65	20.2	22.7	25.6	16.5	9.2	25.0	24.1
17:00	-.39	23.4	22.0	25.6	16.6	10.3	25.3	24.5
18:00	-.23	15.6	16.9	18.3	16.3	12.2	25.2	24.5
19:00	-.16	13.1	14.4	15.8	13.8	8.1	24.0	23.8
20:00	-.11	3.9	8.5	11.2	7.9	7.6	21.8	22.4
21:00	.13	4.8	7.3	10.5	12.4	9.7	19.8	22.0
22:00	-.03	3.2	6.4	8.7	11.3	6.9	18.8	20.9
23:00	-.03	4.8	4.4	6.6	6.4	3.7	17.0	19.2
Avg	-.26	11.3	13.8	15.9	16.0	12.1	21.0	20.9
Max	.13	23.4	27.2	25.6	19.8	23.1	25.3	24.5
Hr. of Max	21	17	15	17	13	08	17	18
Min	-.66	3.2	3.4	6.4	6.4	3.7	17.0	17.1
Count	24	24	24	24	24	24	24	24
Total								