Date Printed: 05/12/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/11/2017

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	17.2	20.2	20.7	21.6	3.01	3.46	4.39	.45	1.39
01:00	16.5	19.3	19.7	20.3	2.81	3.24	3.78	.43	.97
02:00	16.0	17.8	18.6	19.6	1.89	2.65	3.69	.76	1.80
03:00	15.5	17.3	17.9	18.7	1.81	2.39	3.17	.57	1.36
04:00	15.2	16.8	17.2	18.3	1.57	2.03	3.11	.46	1.54
05:00	14.9	16.1	17.6	18.4	1.18	2.72	3.49	1.54	2.31
06:00	15.2	16.1	16.9	17.6	.88	1.76	2.38	.88	1.50
07:00	15.9	16.6	17.1	17.8	.71	1.24	1.88	.53	1.17
08:00	17.5	17.7	18.3	18.8	.26	.86	1.30	.60	1.05
09:00	20.6	20.3	20.1	20.1	-.31	-.50	-.47	-.19	-.16
10:00	22.7	22.5	22.2	22.2	-.21	-.47	-.55	-.26	-.33
11:00	22.7	22.5	22.3	22.2	-.19	-.42	-.46	-.23	-.27
12:00	23.8	23.3	23.0	22.9	-.51	-.83	-.94	-.32	-.42
13:00	25.1	24.4	24.0	23.9	-.69	-1.03	-1.18	-.33	-.48
14:00	25.9	25.2	24.8	24.6	-.78	-1.16	-1.32	-.38	-.54
15:00	25.9	25.2	24.9	24.7	-.61	-.97	-1.11	-.36	-.50
16:00	25.6	25.4	25.1	25.0	-.27	-.54	-.63	-.27	-.35
17:00	26.7	26.3	26.0	25.8	-.36	-.68	-.87	-.31	-.50
18:00	26.5	26.3	26.0	25.9	-.14	-.42	-.54	-.28	-.40
19:00	24.7	25.3	25.2	25.3	.61	.51	.56	-.10	-.05
20:00	21.1	23.5	24.1	24.4	2.33	2.94	3.28	.61	.94
21:00	19.3	22.2	22.9	23.5	2.90	3.62	4.26	.72	1.37
22:00	18.9	20.6	21.2	22.3	1.74	2.34	3.45	.60	1.71
23:00	18.6	20.1	21.3	22.2	1.47	2.66	3.55	1.20	2.08
Avg	20.5	21.3	21.5	21.9	.80	1.06	1.43	.26	.63
Max	26.7	26.3	26.0	25.9	3.01	3.62	4.39	1.54	2.31
Hr. of Max	17	18	18	18	00	21	00	05	05
Min	14.9	16.1	16.9	17.6	-.78	-1.16	-1.32	-.38	-.54
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 05/12/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/11/2017

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	15.4	15.9	16.0	19.6	90.6	77.8	13.1	13.4	0.011273
01:00	15.1	15.8	15.6	19.5	93.4	81.9	12.9	13.4	0.011104
02:00	14.9	16.0	15.2	19.3	94.9	90.7	12.7	13.6	0.010898
03:00	14.6	16.0	14.9	19.2	96.0	94.1	12.5	13.6	0.010692
04:00	14.4	15.8	14.7	19.1	96.8	96.0	12.4	13.5	0.010584
05:00	14.2	15.5	14.4	19.0	97.5	98.0	12.2	13.2	0.010449
06:00	14.5	15.5	14.7	18.8	97.4	98.0	12.4	13.2	0.010637
07:00	15.2	15.4	15.4	18.7	97.4	94.4	13.0	13.1	0.011121
08:00	16.1	15.6	16.6	18.6	93.7	88.9	13.7	13.2	0.011807
09:00	16.2	15.5	17.7	18.6	77.7	75.7	13.6	13.1	0.011899
10:00	16.4	15.9	18.5	18.6	69.1	67.7	13.7	13.3	0.012088
11:00	16.3	15.8	18.4	18.6	68.7	67.3	13.6	13.2	0.012013
12:00	16.1	15.3	18.7	18.7	63.5	62.3	13.4	12.8	0.011889
13:00	16.3	15.7	19.2	18.9	59.5	59.7	13.5	13.1	0.01202
14:00	16.7	16.2	19.8	19.1	58.3	58.8	13.9	13.4	0.012407
15:00	16.9	16.3	19.9	19.3	59.3	59.2	14.1	13.6	0.01255
16:00	16.9	16.4	19.8	19.6	59.8	59.2	14.0	13.7	0.012516
17:00	16.3	15.7	19.8	19.7	54.5	53.3	13.6	13.0	0.012149
18:00	15.1	14.6	18.9	19.8	51.1	49.9	12.6	12.2	0.011226
19:00	14.5	13.8	17.9	19.9	54.5	50.0	12.1	11.6	0.010755
20:00	15.5	14.6	17.4	20.0	71.9	58.8	13.1	12.2	0.01147
21:00	15.5	15.5	16.8	19.9	80.6	67.6	13.1	13.0	0.011451
22:00	15.9	15.9	16.9	19.9	84.3	75.8	13.4	13.4	0.011704
23:00	16.2	16.2	17.0	19.8	87.4	79.9	13.7	13.6	0.011909
Avg	15.6	15.6	17.3	19.3	77.4	73.5	13.2	13.1	0.011525
Max	16.9	16.4	19.9	20.0	97.5	98.0	14.1	13.7	0.01255
Hr. of Max	16	16	15	20	05	06	15	16	15
Min	14.2	13.8	14.4	18.6	51.1	49.9	12.1	11.6	0.010449
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 05/12/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/11/2017

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	0.011691	17.5	18.2	.00	29.06	984.1	-2.2	.00	248.5
01:00	0.011619	17.3	18.0	.00	29.05	983.8	-3.1	.00	255.1
02:00	0.011737	16.9	18.2	.00	29.05	983.9	-2.5	.00	61.3
03:00	0.011762	16.6	18.3	.00	29.06	984.1	-2.4	.00	68.0
04:00	0.011607	16.5	18.0	.00	29.06	984.1	-1.9	.00	77.6
05:00	0.011333	16.3	17.6	.00	29.06	984.1	-1.9	.00	219.4
06:00	0.011326	16.6	17.6	.00	29.08	984.8	2.4	.00	231.0
07:00	0.011273	17.3	17.5	.00	29.08	984.7	38.6	.06	225.5
08:00	0.011389	18.4	17.7	.00	29.10	985.4	133.1	.19	200.7
09:00	0.011371	18.5	17.7	.00	29.08	984.8	406.3	.58	193.1
10:00	0.011683	18.8	18.1	.00	29.05	983.8	313.0	.45	219.4
11:00	0.011636	18.6	18.1	.00	29.04	983.3	276.9	.40	229.5
12:00	0.011311	18.4	17.5	.00	29.01	982.3	636.7	.91	214.8
13:00	0.01156	18.6	17.9	.00	29.00	982.2	738.4	1.06	228.6
14:00	0.011945	19.2	18.5	.00	28.99	981.9	833.8	1.20	225.3
15:00	0.012086	19.4	18.7	.00	28.98	981.4	624.9	.90	217.9
16:00	0.012177	19.3	18.8	.00	28.96	980.8	331.8	.48	210.7
17:00	0.011629	18.8	18.0	.00	28.95	980.3	436.1	.63	216.8
18:00	0.010869	17.4	16.8	.00	28.94	980.2	294.7	.42	226.4
19:00	0.010271	16.7	15.9	.00	28.93	979.8	114.8	.16	219.6
20:00	0.010795	17.7	16.7	.00	28.94	980.0	6.5	.01	266.1
21:00	0.01148	17.7	17.8	.00	28.94	980.1	-3.1	.00	262.2
22:00	0.01173	18.1	18.1	.00	28.95	980.4	-3.1	.00	123.7
23:00	0.011936	18.4	18.5	.00	28.95	980.4	-1.7	.00	199.9
Avg	0.011509	17.9	17.8	.00	29.01	982.5	215.3	.31	217.0
Max	0.012177	19.4	18.8	.00	29.10	985.4	833.8	1.20	266.1
Hr. of Max	16	15	16	23	08	08	14	14	20
Min	0.010271	16.3	15.9	.00	28.93	979.8	-3.1	.00	61.3
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 05/12/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/11/2017

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	235.4	213.4	249.4	209.5	10.0	7.1	4.2	2.5	4.2
01:00	239.1	223.8	255.4	219.7	10.7	7.3	6.8	1.9	3.1
02:00	212.3	236.8	289.1	232.5	34.8	15.1	6.8	.0	1.4
03:00	46.9	194.5	340.1	186.7	8.0	19.6	22.5	.1	.8
04:00	24.6	204.0	275.7	201.3	43.1	37.5	26.4	.2	.2
05:00	232.3	229.6	227.2	224.8	29.9	29.8	21.1	1.4	2.0
06:00	226.1	228.4	234.5	224.8	11.6	7.7	6.9	2.4	5.0
07:00	225.8	216.9	248.6	211.1	44.4	22.9	16.4	1.1	2.4
08:00	247.7	248.6	220.7	243.9	24.2	9.6	8.9	1.3	3.4
09:00	209.0	212.6	203.1	208.3	34.7	34.0	30.9	1.9	2.5
10:00	228.6	225.0	221.4	220.5	24.5	18.4	13.8	3.6	5.1
11:00	234.5	229.4	232.3	224.9	23.2	15.2	11.7	4.1	6.2
12:00	219.7	216.2	214.5	211.7	24.2	18.4	14.6	5.7	7.6
13:00	234.3	231.1	228.7	226.7	24.0	18.9	14.2	7.9	10.8
14:00	232.6	228.9	225.3	224.1	25.0	19.9	16.2	7.2	9.6
15:00	223.2	222.1	218.5	218.2	25.9	18.7	14.4	6.4	9.4
16:00	221.1	217.7	211.8	213.5	23.6	19.2	14.7	5.1	7.1
17:00	226.2	221.7	217.4	217.4	29.4	22.0	16.3	5.8	8.2
18:00	231.0	226.6	226.0	222.6	24.3	17.5	12.5	5.7	8.7
19:00	223.8	217.4	225.4	213.4	24.4	14.5	11.3	3.0	5.3
20:00	239.7	216.5	264.8	212.6	16.8	9.5	7.0	1.9	3.4
21:00	239.8	227.1	259.4	223.7	28.8	7.2	5.0	1.7	3.7
22:00	129.9	186.6	254.8	184.3	23.2	35.3	38.0	.4	.4
23:00	264.7	268.5	211.0	263.7	26.0	38.0	12.7	1.5	2.6
Avg	229.0	222.0	237.0	218.0	24.8	19.3	14.7	.0	.0
Max	264.7	268.5	340.1	263.7	44.4	38.0	38.0	7.9	10.8
Hr. of Max	23	23	03	23	07	23	22	13	13
Min	24.6	186.6	203.1	184.3	8.0	7.1	4.2	.0	.2
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 05/12/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/11/2017

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	5.8	2.6	4.2	5.9	2.9	6.2	-.6	-.2	-.04
01:00	4.6	2.0	3.2	4.8	2.3	5.0	-.6	-.1	-.04
02:00	3.3	.2	1.5	3.4	.6	3.6	2.3	1.3	.02
03:00	1.1	.1	.9	1.2	.6	1.5	1.8	-.8	.03
04:00	1.2	.9	1.2	1.5	1.3	1.8	.7	.4	.01
05:00	3.1	2.1	2.5	3.4	2.4	3.6	1.4	-.2	.02
06:00	5.9	2.5	5.0	6.0	2.8	6.3	-1.0	.7	-.06
07:00	4.0	1.6	2.8	4.1	1.9	4.4	1.2	-.2	.00
08:00	5.4	1.5	3.5	5.6	2.0	5.8	.7	-.4	.00
09:00	3.1	2.6	3.2	4.0	3.1	4.4	-1.1	-4.8	-.12
10:00	6.6	3.8	5.3	6.8	4.5	7.3	1.0	-.2	-.08
11:00	7.6	4.4	6.4	7.7	4.9	8.2	1.3	.4	-.09
12:00	9.4	6.1	8.0	9.6	6.6	10.3	1.0	1.4	-.08
13:00	13.0	8.5	11.3	13.4	9.2	14.2	.9	-.4	-.29
14:00	11.4	7.9	10.3	12.0	8.6	12.8	.5	1.1	-.24
15:00	11.5	7.0	9.8	11.8	7.9	12.6	1.4	.0	-.12
16:00	9.0	5.6	7.4	9.3	6.2	9.9	-1.0	1.5	-.28
17:00	10.0	6.4	8.6	10.3	7.1	11.0	3.9	2.4	.06
18:00	11.1	6.1	9.0	11.4	6.8	12.1	2.6	1.1	-.05
19:00	7.1	3.2	5.5	7.3	3.8	7.7	1.2	.7	-.06
20:00	5.3	2.1	3.4	5.4	2.2	5.7	-1.8	-.6	-.09
21:00	5.5	1.9	3.7	5.5	2.2	5.8	.2	.8	.00
22:00	1.2	1.6	2.8	3.0	1.9	3.3	1.6	.6	.01
23:00	5.4	1.9	3.1	5.7	2.3	5.8	1.2	1.9	.01
Avg	.0	3.4	5.1	6.6	3.9	7.1	.8	.3	-.06
Max	13.0	8.5	11.3	13.4	9.2	14.2	3.9	2.4	.06
Hr. of Max	13	13	13	13	13	13	17	17	17
Min	1.1	.1	.9	1.2	.6	1.5	-1.8	-4.8	-.29
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 05/12/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/11/2017

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	-.01	5.0	9.6	14.4	4.3	2.3	21.2	22.5
01:00	-.01	4.4	5.3	10.1	4.6	2.7	20.3	21.1
02:00	.08	4.4	4.6	8.7	10.5	3.8	18.9	20.5
03:00	-.03	1.8	2.1	5.5	7.2	6.9	18.3	19.5
04:00	.04	3.0	3.7	3.9	6.2	6.5	17.8	19.2
05:00	.00	4.6	4.8	6.0	7.1	6.4	17.0	19.2
06:00	.07	4.6	6.6	8.7	6.2	1.8	17.1	18.4
07:00	-.03	5.3	10.8	14.2	9.1	5.4	17.6	18.5
08:00	-.06	6.0	8.9	12.8	10.6	4.4	18.7	19.5
09:00	-.29	7.3	8.0	8.9	20.1	18.1	21.3	20.8
10:00	-.12	9.8	12.6	12.8	17.0	10.0	23.4	22.7
11:00	-.05	13.5	15.6	23.6	16.7	9.3	23.5	22.8
12:00	-.06	17.2	20.8	20.4	17.8	13.4	24.1	23.3
13:00	-.36	21.3	29.3	31.8	17.7	10.8	25.2	24.2
14:00	.02	28.9	28.9	28.2	18.2	11.9	26.0	25.0
15:00	-.18	18.3	19.7	20.2	18.0	10.5	26.1	25.2
16:00	.06	16.3	17.9	20.8	16.6	11.2	26.3	25.6
17:00	.09	18.3	21.3	21.5	20.1	14.5	27.1	26.3
18:00	.08	14.9	18.5	33.0	19.1	9.7	27.0	26.3
19:00	.00	14.9	20.8	25.2	17.0	8.8	26.0	25.7
20:00	-.07	3.9	5.7	8.5	5.6	4.3	24.3	25.1
21:00	.07	4.4	5.7	9.8	6.7	1.5	23.1	24.3
22:00	.01	4.6	6.9	7.8	8.3	8.0	21.7	23.2
23:00	.12	5.7	12.4	14.9	10.2	6.8	21.1	23.0
Avg	-.03	9.9	12.5	15.5	12.3	7.9	22.2	22.6
Max	.12	28.9	29.3	33.0	20.1	18.1	27.1	26.3
Hr. of Max	23	14	13	18	17	09	17	18
Min	-.36	1.8	2.1	3.9	4.3	1.5	17.0	18.4
Count	24	24	24	24	24	24	24	24
Total								