Date Printed: 04/20/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/19/2017

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	17.4	17.6	17.6	17.6	.27	.26	.26	-.01	-.01
01:00	17.1	17.4	17.4	17.5	.30	.36	.40	.06	.09
02:00	16.8	17.1	17.2	17.3	.33	.48	.59	.14	.26
03:00	16.5	16.8	16.9	17.0	.26	.41	.54	.15	.28
04:00	16.0	16.5	16.7	16.8	.49	.67	.78	.18	.29
05:00	15.5	16.1	16.4	16.5	.67	.90	1.04	.23	.37
06:00	15.6	16.0	16.1	16.1	.38	.49	.57	.11	.19
07:00	15.7	15.9	16.1	16.2	.20	.35	.46	.14	.26
08:00	16.4	16.2	16.3	16.6	-.12	-.02	.21	.09	.33
09:00	17.3	17.2	16.9	17.0	-.12	-.39	-.31	-.27	-.19
10:00	18.4	18.0	17.7	17.7	-.42	-.77	-.76	-.35	-.34
11:00	19.6	19.1	18.9	18.8	-.48	-.72	-.83	-.24	-.35
12:00	21.2	20.6	20.3	20.2	-.59	-.88	-.99	-.29	-.40
13:00	22.8	22.2	21.8	21.7	-.65	-1.00	-1.12	-.35	-.48
14:00	23.8	23.1	22.8	22.7	-.68	-.99	-1.08	-.31	-.40
15:00	25.0	24.2	23.8	23.7	-.83	-1.17	-1.27	-.34	-.44
16:00	26.0	25.3	25.0	24.8	-.64	-1.01	-1.18	-.36	-.54
17:00	25.7	25.5	25.2	25.1	-.26	-.56	-.67	-.30	-.41
18:00	24.4	24.5	24.3	24.4	.06	-.08	-.04	-.14	-.10
19:00	23.0	24.0	24.1	24.1	1.01	1.06	1.12	.05	.11
20:00	19.9	21.8	22.4	23.0	1.90	2.50	3.10	.60	1.20
21:00	18.4	20.4	20.9	22.1	1.94	2.44	3.68	.50	1.74
22:00	17.5	19.3	19.6	20.8	1.84	2.15	3.34	.31	1.50
23:00	16.6	18.4	19.7	20.5	1.84	3.08	3.89	1.24	2.06
Avg	19.4	19.7	19.8	19.9	.28	.32	.49	.04	.21
Max	26.0	25.5	25.2	25.1	1.94	3.08	3.89	1.24	2.06
Hr. of Max	16	17	17	17	21	23	23	23	23
Min	15.5	15.9	16.1	16.1	-.83	-1.17	-1.27	-.36	-.54
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 04/20/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/19/2017

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	16.7	17.3	16.9	18.8	97.8	99.7	14.2	14.7	0.012172
01:00	16.4	17.0	16.6	18.7	97.7	99.9	14.0	14.5	0.011945
02:00	16.1	16.8	16.3	18.7	97.8	99.9	13.7	14.3	0.011722
03:00	15.9	16.4	16.1	18.6	97.8	99.9	13.5	14.0	0.011529
04:00	15.4	16.2	15.6	18.6	97.7	100.1	13.1	13.8	0.011191
05:00	14.8	15.9	15.1	18.5	97.7	100.1	12.7	13.5	0.010791
06:00	15.0	15.7	15.2	18.4	97.8	100.1	12.8	13.4	0.010867
07:00	15.1	15.7	15.3	18.3	97.9	100.1	12.9	13.4	0.010984
08:00	15.8	16.0	16.0	18.2	98.1	100.2	13.4	13.6	0.011447
09:00	16.7	16.8	16.9	18.2	98.3	99.7	14.2	14.3	0.012172
10:00	17.4	17.1	17.7	18.2	95.6	96.2	14.8	14.5	0.012705
11:00	16.7	16.3	17.6	18.3	84.8	85.1	14.1	13.8	0.012141
12:00	16.3	15.6	17.9	18.4	74.9	74.3	13.7	13.1	0.011845
13:00	15.9	15.2	18.2	18.6	66.7	66.0	13.3	12.7	0.011627
14:00	15.8	15.1	18.4	18.9	62.2	61.9	13.2	12.6	0.011525
15:00	15.9	15.1	18.9	19.3	58.2	58.1	13.2	12.6	0.011618
16:00	15.1	14.3	18.8	19.6	52.5	51.5	12.6	11.9	0.011105
17:00	14.5	13.8	18.2	19.8	51.0	49.5	12.1	11.6	0.010624
18:00	14.9	14.4	18.1	20.1	56.7	54.8	12.4	12.1	0.010905
19:00	16.3	15.3	18.6	20.2	67.9	59.7	13.7	12.8	0.011971
20:00	16.8	16.0	17.9	20.2	84.4	71.1	14.2	13.4	0.012323
21:00	16.8	16.7	17.4	20.2	92.3	80.9	14.3	14.0	0.012309
22:00	16.6	17.1	16.9	20.1	96.5	89.0	14.1	14.5	0.012116
23:00	16.0	16.9	16.2	19.9	97.9	92.5	13.6	14.3	0.011622
Avg	16.0	15.9	17.1	19.0	84.2	82.9	13.5	13.5	0.011636
Max	17.4	17.3	18.9	20.2	98.3	100.2	14.8	14.7	0.012705
Hr. of Max	10	00	15	21	09	08	10	00	10
Min	14.5	13.8	15.1	18.2	51.0	49.5	12.1	11.6	0.010624
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 04/20/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/19/2017

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	0.012629	19.1	19.8	.04	29.31	992.5	-1.7	.00	95.3
01:00	0.01244	18.7	19.5	.00	29.31	992.6	-2.2	.00	71.7
02:00	0.012227	18.4	19.1	.00	29.30	992.3	-2.0	.00	267.8
03:00	0.011975	18.1	18.7	.02	29.29	992.1	-2.2	.00	107.8
04:00	0.011824	17.5	18.5	.00	29.30	992.2	-1.9	.00	62.2
05:00	0.011532	16.9	18.1	.00	29.30	992.2	-2.4	.00	84.6
06:00	0.011398	17.0	17.9	.00	29.31	992.5	-2.7	.00	62.6
07:00	0.011382	17.2	17.8	.00	29.32	993.0	24.9	.04	187.8
08:00	0.011606	18.0	18.2	.00	29.34	993.6	108.3	.16	169.4
09:00	0.012243	19.1	19.2	.00	29.35	993.8	195.9	.28	199.3
10:00	0.012442	19.9	19.5	.00	29.35	993.9	325.0	.47	230.9
11:00	0.01183	19.0	18.6	.00	29.35	993.9	418.9	.60	220.9
12:00	0.011322	18.6	17.8	.00	29.34	993.5	597.2	.86	204.3
13:00	0.01106	18.2	17.3	.00	29.32	992.8	764.6	1.10	205.1
14:00	0.011018	18.0	17.3	.00	29.29	992.0	721.6	1.03	218.8
15:00	0.011026	18.2	17.3	.00	29.26	991.0	870.6	1.25	213.7
16:00	0.010489	17.4	16.4	.00	29.24	990.3	720.2	1.03	225.3
17:00	0.010166	16.6	15.9	.00	29.24	990.3	328.0	.47	227.5
18:00	0.010581	17.1	16.6	.00	29.24	990.4	141.0	.20	233.5
19:00	0.011216	18.7	17.5	.00	29.24	990.3	79.4	.11	234.0
20:00	0.011673	19.2	18.2	.00	29.25	990.6	-.5	.00	10.8
21:00	0.01218	19.2	19.0	.00	29.26	990.9	-2.6	.00	59.7
22:00	0.012544	18.9	19.6	.00	29.27	991.3	-2.8	.00	60.8
23:00	0.012324	18.2	19.3	.00	29.27	991.3	-2.6	.00	46.3
Avg	0.01163	18.2	18.2	.00	29.29	992.1	219.7	.32	175.0
Max	0.012629	19.9	19.8	.04	29.35	993.9	870.6	1.25	267.8
Hr. of Max	00	10	00	00	11	11	15	15	02
Min	0.010166	16.6	15.9	.00	29.24	990.3	-2.8	.00	10.8
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 04/20/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/19/2017

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	230.0	170.8	298.8	175.1	58.1	51.2	48.1	.4	.6
01:00	35.1	49.6	349.2	61.4	21.8	20.5	18.6	.4	.9
02:00	258.2	185.2	278.7	183.1	43.8	20.5	18.8	.3	.5
03:00	307.2	287.1	274.5	279.8	26.7	56.0	35.6	.1	.4
04:00	39.1	67.2	348.3	59.9	24.6	13.6	24.9	.2	.8
05:00	29.1	82.7	273.9	72.2	35.1	23.0	15.2	.1	.4
06:00	51.4	81.3	341.4	75.2	37.7	28.3	13.2	.3	.8
07:00	314.9	160.1	255.7	174.6	26.1	26.1	18.9	.9	.8
08:00	255.6	251.1	207.8	246.0	24.9	12.8	8.3	.6	1.7
09:00	222.6	220.7	217.6	216.4	30.5	21.0	15.3	1.8	2.6
10:00	237.8	237.2	235.0	233.1	22.9	16.0	12.4	3.4	4.4
11:00	232.0	230.9	225.5	226.3	25.0	19.2	18.0	3.4	4.3
12:00	213.6	213.4	206.7	209.3	32.3	26.2	22.7	4.0	5.3
13:00	214.1	213.2	206.4	208.6	32.3	25.7	21.2	5.0	6.4
14:00	223.6	224.4	220.9	219.5	32.2	24.7	22.8	4.9	6.4
15:00	216.8	214.4	216.7	210.2	28.3	23.2	22.2	5.8	7.4
16:00	229.6	226.1	225.1	221.7	27.6	20.2	17.7	6.7	9.0
17:00	233.8	230.1	229.2	226.3	21.0	15.3	10.8	6.6	9.5
18:00	237.9	232.7	236.4	228.7	19.8	11.5	8.2	3.8	6.3
19:00	243.2	235.1	251.1	230.6	42.7	13.0	9.2	1.6	2.9
20:00	235.8	183.0	315.3	179.0	30.6	39.1	26.1	.5	.5
21:00	50.9	160.4	16.9	151.4	24.8	15.6	42.5	.4	1.3
22:00	53.2	171.9	22.3	162.2	22.6	17.4	16.9	.3	1.1
23:00	305.4	212.2	288.6	207.7	30.0	24.7	8.5	.3	1.2
Avg	254.0	203.0	261.0	199.0	30.1	23.5	19.8	.0	.0
Max	314.9	287.1	349.2	279.8	58.1	56.0	48.1	6.7	9.5
Hr. of Max	07	03	01	03	00	03	00	16	17
Min	29.1	49.6	16.9	59.9	19.8	11.5	8.2	.1	.4
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 04/20/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/19/2017

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	.8	.8	1.0	1.3	1.3	1.6	-.7	-2.8	-.03
01:00	1.0	.4	1.0	1.0	.9	1.4	1.6	2.3	-.01
02:00	1.0	1.2	1.5	1.7	1.7	1.9	.1	-2.3	-.02
03:00	1.3	.2	.6	1.4	.7	1.5	1.8	3.4	.02
04:00	1.1	.3	.8	1.2	.8	1.5	.5	.4	.00
05:00	.3	.2	.4	.4	.8	.9	2.0	-.4	.03
06:00	1.3	.5	.9	1.4	1.1	1.7	-1.4	-.4	-.05
07:00	1.0	1.0	1.2	2.0	1.6	2.3	1.9	-.5	.04
08:00	3.4	.7	1.7	3.4	1.4	3.6	3.0	.3	.07
09:00	3.6	1.9	2.8	3.7	2.4	4.0	3.1	-2.5	.01
10:00	5.0	3.7	4.6	5.1	4.1	5.5	1.2	-3.4	-.04
11:00	5.0	3.8	4.5	5.2	4.2	5.7	.9	-2.3	-.04
12:00	6.1	4.7	5.7	6.5	5.2	7.0	2.3	-.4	.06
13:00	7.4	5.6	7.0	7.9	6.2	8.5	2.8	-1.5	.09
14:00	7.3	5.6	7.1	7.9	6.3	8.5	-.3	-2.4	-.16
15:00	8.4	6.6	8.0	9.0	7.0	9.7	.7	-1.0	-.13
16:00	10.4	7.3	9.6	10.9	8.1	11.6	.3	-1.3	-.17
17:00	11.3	7.0	9.8	11.5	7.6	12.1	.7	-1.8	-.19
18:00	8.2	4.0	6.4	8.3	4.5	8.7	-.6	-.5	-.13
19:00	4.1	1.7	3.0	4.2	2.2	4.5	.2	-.6	-.02
20:00	1.6	.8	1.4	2.2	1.1	2.5	.2	-.3	-.01
21:00	.5	.5	1.4	.8	1.0	1.2	2.7	-.6	.04
22:00	1.3	.3	1.2	1.5	.9	1.8	1.8	-.3	.02
23:00	3.5	.4	1.4	3.6	.8	3.8	1.5	-.9	.02
Avg	.0	2.5	3.5	4.3	3.0	4.6	1.1	-.8	-.03
Max	11.3	7.3	9.8	11.5	8.1	12.1	3.1	3.4	.09
Hr. of Max	17	16	17	17	16	17	09	03	13
Min	.3	.2	.4	.4	.7	.9	-1.4	-3.4	-.19
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 04/20/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/19/2017

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	-.05	6.6	7.8	5.7	11.9	12.2	18.7	18.5
01:00	.03	2.7	4.1	3.9	11.8	11.6	18.5	18.3
02:00	-.09	4.1	4.1	4.6	9.4	10.3	18.2	18.2
03:00	.09	1.8	3.4	3.7	7.7	8.9	17.8	17.8
04:00	.02	1.8	1.8	2.3	8.1	5.8	17.6	17.6
05:00	.01	2.5	1.6	1.6	5.5	9.1	17.1	17.2
06:00	-.01	4.4	2.5	3.0	9.5	5.5	16.9	16.8
07:00	-.02	3.2	3.4	5.3	7.3	6.8	16.9	17.0
08:00	.01	2.3	3.9	8.0	12.6	5.0	17.3	17.4
09:00	-.22	6.6	6.9	7.3	20.4	12.9	18.4	17.8
10:00	-.40	11.7	9.8	9.4	15.9	11.3	19.0	18.3
11:00	-.28	8.7	8.9	9.8	17.1	13.7	20.0	19.3
12:00	-.23	11.0	12.1	13.3	18.4	16.6	21.4	20.7
13:00	-.37	18.3	22.2	20.2	20.1	15.7	22.8	22.0
14:00	-.44	14.4	17.9	18.5	18.1	16.7	23.8	23.0
15:00	-.37	17.2	16.7	17.4	18.2	14.8	24.9	24.0
16:00	-.46	16.9	18.5	19.2	15.7	12.1	25.9	25.0
17:00	-.49	16.9	21.5	29.1	16.0	8.3	26.1	25.3
18:00	-.11	14.4	21.5	18.8	13.0	6.0	25.2	24.8
19:00	-.07	5.5	8.2	11.2	12.2	6.6	24.9	24.7
20:00	-.02	4.4	3.2	5.0	7.4	8.4	22.7	23.8
21:00	-.01	2.5	2.7	3.2	9.4	12.8	21.4	23.0
22:00	-.03	2.5	3.2	6.9	9.1	12.6	20.4	21.7
23:00	-.06	2.1	4.1	11.9	7.6	5.3	19.4	21.3
Avg	-.15	7.6	8.8	10.0	12.6	10.4	20.6	20.6
Max	.09	18.3	22.2	29.1	20.4	16.7	26.1	25.3
Hr. of Max	03	13	13	17	09	14	17	17
Min	-.49	1.8	1.6	1.6	5.5	5.0	16.9	16.8
Count	24	24	24	24	24	24	24	24
Total								