Date Printed: 12/14/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

12/13/2016

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	2.5	4.3	5.5	6.0	1.75	3.01	3.45	1.26	1.70
01:00	2.7	4.4	4.9	5.2	1.70	2.25	2.56	.54	.86
02:00	3.4	4.5	4.9	5.2	1.18	1.53	1.81	.36	.63
03:00	3.6	4.7	4.9	5.2	1.16	1.37	1.63	.22	.47
04:00	3.6	4.5	4.7	4.9	.87	1.08	1.31	.21	.44
05:00	3.4	4.6	4.7	4.9	1.21	1.32	1.51	.11	.31
06:00	3.0	4.3	4.6	4.8	1.28	1.55	1.74	.27	.46
07:00	3.7	4.5	4.5	4.7	.75	.77	.98	.02	.24
08:00	4.1	4.9	5.0	5.0	.80	.85	.90	.06	.10
09:00	5.7	5.7	5.6	5.6	.04	-.07	-.11	-.11	-.15
10:00	6.2	6.1	6.0	6.0	-.07	-.19	-.23	-.12	-.16
11:00	6.6	6.5	6.3	6.2	-.14	-.33	-.43	-.19	-.29
12:00	7.0	6.9	6.7	6.5	-.17	-.39	-.53	-.22	-.36
13:00	7.3	7.2	7.0	6.9	-.14	-.33	-.45	-.19	-.31
14:00	7.4	7.2	7.0	6.9	-.13	-.32	-.44	-.19	-.30
15:00	7.1	7.0	6.9	6.8	-.08	-.21	-.29	-.13	-.21
16:00	7.0	6.9	6.8	6.7	-.06	-.16	-.24	-.10	-.18
17:00	6.9	6.9	6.8	6.7	-.03	-.14	-.23	-.12	-.20
18:00	6.9	7.0	6.8	6.7	.03	-.08	-.19	-.12	-.22
19:00	7.0	7.0	6.9	6.8	.03	-.06	-.16	-.09	-.20
20:00	7.0	7.1	7.0	6.9	.04	-.01	-.08	-.05	-.12
21:00	7.0	7.1	7.0	7.0	.07	-.01	-.07	-.07	-.14
22:00	6.9	6.9	6.8	6.7	.00	-.11	-.21	-.11	-.21
23:00	6.6	6.5	6.4	6.4	-.01	-.11	-.19	-.10	-.18
Avg	5.5	5.9	6.0	6.0	.42	.47	.50	.05	.08
Max	7.4	7.2	7.0	7.0	1.75	3.01	3.45	1.26	1.70
Hr. of Max	14	14	21	21	00	00	00	00	00
Min	2.5	4.3	4.5	4.7	-.17	-.39	-.53	-.22	-.36
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 12/14/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

12/13/2016

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	1.9	3.9	2.1	7.8	96.7	98.6	5.5	6.3	0.004451
01:00	2.1	4.1	2.3	7.6	96.7	98.6	5.6	6.4	0.004511
02:00	2.8	4.1	3.0	7.5	96.7	97.7	5.9	6.4	0.004738
03:00	3.0	4.0	3.2	7.4	96.8	95.9	5.9	6.3	0.004808
04:00	3.1	3.9	3.3	7.3	96.8	96.3	6.0	6.3	0.004836
05:00	2.8	3.8	3.0	7.3	97.0	95.4	5.9	6.3	0.004762
06:00	2.5	3.7	2.7	7.2	97.0	96.4	5.7	6.2	0.004642
07:00	3.2	3.8	3.4	7.2	97.0	95.8	6.0	6.2	0.004883
08:00	3.6	3.9	3.8	7.1	97.1	94.0	6.2	6.3	0.005028
09:00	5.1	4.1	5.3	7.1	96.9	89.9	6.8	6.4	0.005588
10:00	5.4	4.7	5.7	7.1	95.7	91.2	7.0	6.6	0.005722
11:00	5.8	5.4	6.1	7.2	95.3	93.3	7.1	6.9	0.005873
12:00	5.8	5.4	6.2	7.3	92.8	91.1	7.2	6.9	0.005891
13:00	5.7	5.4	6.3	7.4	90.3	89.0	7.1	6.9	0.00586
14:00	6.4	6.2	6.7	7.5	94.8	94.1	7.4	7.3	0.006151
15:00	6.4	6.3	6.6	7.6	96.2	95.9	7.4	7.4	0.006134
16:00	6.4	6.4	6.6	7.7	97.3	97.8	7.5	7.5	0.006155
17:00	6.4	6.5	6.6	7.8	97.3	98.5	7.4	7.5	0.006129
18:00	6.4	6.6	6.6	7.8	97.3	98.5	7.4	7.5	0.006127
19:00	6.4	6.6	6.6	7.8	97.3	98.5	7.5	7.6	0.006137
20:00	6.5	6.7	6.7	7.9	97.3	98.5	7.5	7.6	0.006159
21:00	6.5	6.7	6.7	7.9	97.3	98.6	7.5	7.6	0.006157
22:00	6.3	6.5	6.5	7.9	97.4	98.5	7.4	7.5	0.006097
23:00	6.0	6.2	6.2	7.9	97.4	98.4	7.3	7.3	0.005962
Avg	4.9	5.2	5.1	7.5	96.4	95.9	6.8	6.9	0.005533
Max	6.5	6.7	6.7	7.9	97.4	98.6	7.5	7.6	0.006159
Hr. of Max	21	21	21	23	23	21	21	21	20
Min	1.9	3.7	2.1	7.1	90.3	89.0	5.5	6.2	0.004451
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 12/14/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

12/13/2016

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	0.005139	7.0	8.1	.00	29.21	989.1	-2.5	.00	69.4
01:00	0.005186	7.1	8.2	.00	29.19	988.5	-3.2	.00	71.4
02:00	0.005201	7.5	8.2	.00	29.18	988.3	-3.0	.00	65.2
03:00	0.005167	7.6	8.1	.00	29.18	988.2	-2.1	.00	50.9
04:00	0.005116	7.6	8.1	.00	29.16	987.6	-2.2	.00	59.0
05:00	0.005101	7.5	8.0	.00	29.14	986.9	-2.7	.00	78.4
06:00	0.005054	7.3	8.0	.00	29.14	986.9	-2.9	.00	79.1
07:00	0.005083	7.7	8.0	.00	29.13	986.6	-2.2	.00	57.5
08:00	0.005144	7.9	8.1	.00	29.14	986.8	37.7	.05	62.6
09:00	0.005195	8.8	8.2	.00	29.15	987.1	38.3	.05	60.6
10:00	0.005424	9.0	8.5	.01	29.15	987.1	46.0	.07	101.8
11:00	0.005697	9.2	9.0	.00	29.14	986.7	72.5	.10	98.0
12:00	0.005714	9.2	9.0	.00	29.10	985.5	92.9	.13	65.6
13:00	0.005719	9.2	9.0	.00	29.08	984.8	50.3	.07	84.8
14:00	0.006049	9.6	9.5	.01	29.07	984.4	47.9	.07	69.1
15:00	0.006082	9.6	9.5	.00	29.07	984.5	14.5	.02	61.5
16:00	0.006156	9.7	9.7	.01	29.08	985.0	7.5	.01	74.4
17:00	0.006191	9.6	9.7	.01	29.09	985.2	-2.7	.00	83.7
18:00	0.006222	9.6	9.8	.00	29.10	985.5	-3.7	-.01	68.7
19:00	0.006229	9.6	9.8	.01	29.12	986.0	-2.0	.00	43.8
20:00	0.006251	9.7	9.8	.00	29.13	986.6	-3.6	-.01	23.0
21:00	0.006266	9.7	9.8	.00	29.15	987.1	-2.7	.00	304.3
22:00	0.006165	9.6	9.7	.01	29.16	987.5	-2.9	.00	237.2
23:00	0.00602	9.4	9.5	.00	29.18	988.1	-2.6	.00	259.3
Avg	0.005649	8.7	8.9	.00	29.14	986.7	15.3	.02	65.0
Max	0.006266	9.7	9.8	.01	29.21	989.1	92.9	.13	304.3
Hr. of Max	21	21	21	22	00	00	12	12	21
Min	0.005054	7.0	8.0	.00	29.07	984.4	-3.7	-.01	23.0
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 12/14/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

12/13/2016

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	51.1	52.2	57.6	42.3	14.3	6.7	4.6	1.4	3.8
01:00	50.1	56.2	57.3	46.9	18.6	9.4	5.7	1.0	3.6
02:00	61.0	59.1	55.6	49.9	17.8	9.0	5.3	1.8	5.3
03:00	60.0	66.1	39.5	57.0	17.2	11.7	6.4	2.0	4.4
04:00	55.3	61.0	46.1	51.9	13.9	7.8	4.9	1.7	4.7
05:00	53.2	61.2	64.0	52.2	20.7	12.8	7.7	.6	2.6
06:00	51.4	57.1	47.3	47.7	26.0	16.1	9.1	.8	2.2
07:00	52.3	68.3	42.5	59.2	14.6	7.9	7.3	1.5	2.8
08:00	57.6	76.5	22.9	67.4	20.5	15.1	10.1	.9	2.1
09:00	49.0	56.2	28.2	46.2	36.5	41.5	25.6	1.5	3.6
10:00	107.4	93.6	102.8	84.2	36.9	42.8	37.4	1.5	2.1
11:00	75.5	75.0	68.2	64.3	46.9	61.2	61.4	.9	1.1
12:00	59.7	56.6	56.5	46.2	23.0	15.0	12.4	2.2	3.7
13:00	68.6	57.5	79.4	47.2	20.5	21.8	24.3	1.4	1.8
14:00	57.8	60.1	55.9	50.7	24.5	18.1	15.2	1.8	3.1
15:00	49.5	51.8	43.9	41.5	26.8	14.9	11.1	1.4	3.5
16:00	66.7	73.4	54.4	60.1	20.8	29.5	14.4	.8	1.9
17:00	61.9	66.0	6.1	60.9	23.7	48.1	36.7	.1	.6
18:00	63.4	72.9	36.0	62.8	15.3	16.8	16.5	.7	1.3
19:00	38.8	44.6	20.9	34.1	21.6	11.6	7.3	1.3	3.5
20:00	19.8	39.7	348.2	28.1	26.3	11.8	8.3	1.0	2.9
21:00	314.6	328.5	291.5	317.9	31.0	11.2	13.8	1.3	1.9
22:00	267.7	278.1	244.7	271.3	39.7	21.9	18.0	1.0	2.1
23:00	302.2	319.8	268.5	310.3	44.9	30.0	30.1	.5	1.1
Avg	50.0	54.0	40.0	44.0	25.1	20.5	16.4	.0	.0
Max	314.6	328.5	348.2	317.9	46.9	61.2	61.4	2.2	5.3
Hr. of Max	21	21	20	21	11	11	11	12	02
Min	19.8	39.7	6.1	28.1	13.9	6.7	4.6	.1	.6
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 12/14/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

12/13/2016

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	5.8	1.5	3.9	5.9	1.6	6.1	1.4	.1	.04
01:00	6.3	1.1	3.7	6.3	1.3	6.6	.8	-.5	.00
02:00	7.9	1.9	5.4	7.9	2.2	8.2	-1.7	-.4	-.11
03:00	6.5	2.2	4.6	6.6	2.5	6.9	-3.8	-.5	-.20
04:00	6.4	1.7	4.7	6.4	2.0	6.6	-4.4	-.8	-.19
05:00	4.3	.6	2.7	4.4	1.0	4.6	2.0	.5	.02
06:00	3.2	.9	2.4	3.3	1.3	3.5	.8	-.4	.01
07:00	4.0	1.6	2.8	4.0	1.7	4.2	-4.9	-1.4	-.17
08:00	3.4	.9	2.2	3.4	1.3	3.6	-.5	-.1	-.04
09:00	4.4	1.7	3.8	4.6	2.1	4.9	-2.8	.4	-.18
10:00	2.6	1.8	2.5	3.0	2.3	3.2	6.2	5.9	.19
11:00	1.6	1.2	1.6	2.0	1.7	2.3	1.1	3.1	.02
12:00	4.3	2.4	3.9	4.5	2.7	4.8	1.2	-.9	-.08
13:00	1.8	1.5	1.9	2.0	1.9	2.3	.3	-1.0	.00
14:00	3.6	1.9	3.3	3.8	2.3	4.1	.0	2.5	-.07
15:00	4.5	1.6	3.6	4.5	1.9	4.8	-2.2	1.1	-.20
16:00	2.6	1.0	2.1	2.8	1.4	3.1	3.4	2.2	.00
17:00	.9	.2	.6	1.0	.7	1.4	.4	3.4	-.01
18:00	1.7	.7	1.5	1.9	1.1	2.2	1.3	-.8	-.02
19:00	4.7	1.4	3.5	4.8	1.8	5.0	-3.0	-2.1	-.20
20:00	3.7	1.1	3.0	3.7	1.5	4.0	-1.8	-.6	-.09
21:00	2.3	1.4	2.1	2.6	1.7	2.7	-3.6	-4.2	-.13
22:00	2.9	1.6	2.5	3.2	2.0	3.4	1.8	-3.0	.02
23:00	1.5	1.7	2.5	3.1	2.1	3.4	-.8	-1.3	-.06
Avg	.0	1.4	3.0	4.0	1.8	4.2	-.4	.1	-.06
Max	7.9	2.4	5.4	7.9	2.7	8.2	6.2	5.9	.19
Hr. of Max	02	12	02	02	12	02	10	10	10
Min	.9	.2	.6	1.0	.7	1.4	-4.9	-4.2	-.20
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 12/14/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

12/13/2016

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	4.4	6.4	9.8	8.7	3.0	4.4	6.0
01:00	-.07	3.2	6.6	14.2	11.3	3.4	4.6	5.3
02:00	-.06	6.0	9.2	11.9	13.0	3.5	4.8	5.2
03:00	-.06	4.4	9.2	13.3	10.1	3.6	5.0	5.2
04:00	-.09	4.6	7.1	12.1	11.5	2.8	4.8	5.0
05:00	.02	3.0	9.4	11.4	15.7	5.6	4.8	4.9
06:00	-.03	2.3	4.6	6.0	7.2	3.0	4.5	4.8
07:00	-.11	3.2	6.9	8.2	9.2	4.0	4.7	4.8
08:00	-.02	4.8	5.7	7.3	11.8	6.2	5.2	5.1
09:00	-.05	5.7	8.2	8.7	20.6	10.7	6.1	5.6
10:00	.28	5.5	7.3	8.7	15.9	13.3	6.5	6.0
11:00	.14	4.4	6.0	5.7	18.8	18.2	6.9	6.3
12:00	-.15	6.9	9.8	9.2	21.3	13.5	7.3	6.6
13:00	-.01	4.8	6.0	8.2	18.4	14.0	7.6	7.0
14:00	.08	5.5	6.9	6.6	20.7	14.3	7.6	7.1
15:00	.04	4.8	6.4	6.9	21.3	8.4	7.4	7.0
16:00	-.04	3.9	6.0	9.8	20.4	14.3	7.4	7.0
17:00	.05	2.1	2.7	3.4	16.0	16.1	7.3	6.9
18:00	-.01	3.7	5.0	5.5	15.8	9.6	7.4	6.9
19:00	-.19	3.9	6.0	10.3	19.1	5.2	7.4	6.9
20:00	-.04	4.4	6.0	10.8	19.3	5.4	7.5	7.1
21:00	-.19	3.9	5.7	7.8	10.8	7.0	7.5	7.1
22:00	-.20	5.0	7.8	8.0	16.8	13.6	7.4	6.9
23:00	-.10	5.5	7.1	7.1	17.3	13.2	7.0	6.5
Avg	-.03	4.4	6.8	8.8	15.5	8.8	6.3	6.1
Max	.28	6.9	9.8	14.2	21.3	18.2	7.6	7.1
Hr. of Max	10	12	12	01	15	11	14	21
Min	-.20	2.1	2.7	3.4	7.2	2.8	4.4	4.8
Count	24	24	24	24	24	24	24	24
Total								