Date Printed: 11/03/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/2/2016

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	15.2	18.3	19.7	20.9	3.09	4.52	5.76	1.43	2.67
01:00	14.0	16.9	18.2	19.8	2.87	4.15	5.82	1.29	2.95
02:00	12.9	15.4	16.9	18.6	2.48	3.90	5.68	1.43	3.20
03:00	12.2	14.5	15.6	17.9	2.29	3.35	5.67	1.07	3.38
04:00	11.4	13.4	14.4	16.7	2.00	3.02	5.31	1.02	3.31
05:00	11.0	12.9	13.5	15.3	1.84	2.47	4.26	.62	2.41
06:00	10.8	12.7	13.2	14.4	1.92	2.46	3.67	.54	1.74
07:00	10.5	12.3	12.9	14.3	1.82	2.44	3.76	.62	1.94
08:00	11.0	12.4	13.1	15.6	1.35	2.12	4.57	.77	3.22
09:00	14.5	14.5	14.8	16.5	.03	.29	2.01	.25	1.98
10:00	18.5	18.0	17.8	17.8	-.51	-.71	-.71	-.21	-.21
11:00	20.8	20.0	19.7	19.6	-.81	-1.09	-1.23	-.28	-.42
12:00	23.4	22.5	22.2	22.0	-.94	-1.28	-1.46	-.34	-.52
13:00	25.2	24.0	23.7	23.5	-1.20	-1.53	-1.67	-.33	-.47
14:00	25.7	24.7	24.3	24.2	-1.04	-1.38	-1.49	-.34	-.45
15:00	26.6	25.7	25.4	25.3	-.86	-1.18	-1.30	-.32	-.43
16:00	26.5	25.9	25.6	25.5	-.63	-.92	-1.08	-.29	-.45
17:00	25.8	25.6	25.4	25.3	-.22	-.43	-.50	-.22	-.28
18:00	23.0	24.1	24.5	24.6	1.06	1.46	1.57	.40	.51
19:00	19.5	21.7	22.4	23.2	2.24	2.90	3.71	.66	1.46
20:00	17.6	19.8	20.4	21.6	2.28	2.83	4.03	.55	1.75
21:00	16.2	18.3	18.8	20.3	2.06	2.65	4.10	.59	2.04
22:00	15.3	17.3	17.9	19.8	1.94	2.55	4.47	.61	2.53
23:00	14.3	16.4	17.3	19.3	2.05	3.00	4.94	.95	2.88
Avg	17.6	18.6	19.1	20.1	1.05	1.48	2.50	.44	1.45
Max	26.6	25.9	25.6	25.5	3.09	4.52	5.82	1.43	3.38
Hr. of Max	15	16	16	16	00	00	01	02	03
Min	10.5	12.3	12.9	14.3	-1.20	-1.53	-1.67	-.34	-.52
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 11/03/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/2/2016

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	10.1	10.5	11.8	19.6	72.7	61.4	9.3	9.5	0.007859
01:00	9.8	10.6	11.2	19.4	77.0	67.4	9.2	9.6	0.007719
02:00	9.6	10.5	10.7	19.3	81.3	73.7	9.1	9.6	0.007613
03:00	9.5	10.5	10.4	19.1	84.4	78.0	9.0	9.6	0.007517
04:00	9.2	10.4	9.9	18.9	87.3	83.1	8.9	9.6	0.007382
05:00	9.0	10.3	9.7	18.8	88.4	85.5	8.8	9.5	0.007277
06:00	8.9	10.1	9.5	18.6	89.5	85.7	8.7	9.4	0.007234
07:00	8.9	10.2	9.4	18.4	90.9	88.4	8.7	9.5	0.007216
08:00	9.3	10.2	9.9	18.3	90.3	88.1	8.9	9.5	0.007412
09:00	10.9	10.3	12.1	18.1	80.2	76.7	9.9	9.5	0.008267
10:00	12.6	12.3	14.6	18.0	69.6	70.5	10.9	10.7	0.00929
11:00	13.5	13.2	16.0	18.0	64.2	66.2	11.5	11.3	0.00987
12:00	13.5	13.1	16.8	18.1	54.8	56.3	11.4	11.1	0.009877
13:00	13.0	12.8	17.1	18.3	47.8	50.8	11.0	10.9	0.009599
14:00	12.9	12.9	17.2	18.6	46.1	48.9	10.9	10.9	0.009556
15:00	12.1	11.9	16.9	19.0	41.7	43.3	10.4	10.3	0.009095
16:00	11.8	11.6	16.7	19.3	40.8	41.9	10.1	10.0	0.008884
17:00	11.9	11.7	16.5	19.6	42.8	42.9	10.2	10.1	0.008936
18:00	12.4	12.0	15.9	19.8	52.3	47.8	10.6	10.3	0.009216
19:00	12.1	12.9	14.5	19.9	63.4	58.3	10.5	11.0	0.009
20:00	12.4	13.3	14.1	19.9	73.0	67.0	10.8	11.3	0.009187
21:00	12.2	13.0	13.5	19.8	78.2	72.9	10.7	11.2	0.009032
22:00	11.9	12.9	13.1	19.7	81.5	77.0	10.5	11.2	0.00889
23:00	11.6	12.8	12.5	19.6	85.0	80.7	10.3	11.1	0.008703
Avg	11.2	11.7	13.3	19.0	70.1	67.2	10.0	10.3	0.008526
Max	13.5	13.3	17.2	19.9	90.9	88.4	11.5	11.3	0.009877
Hr. of Max	12	20	14	20	07	07	11	20	12
Min	8.9	10.1	9.4	18.0	40.8	41.9	8.7	9.4	0.007216
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 11/03/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/2/2016

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	0.008079	12.4	12.7	.00	29.33	993.2	-2.1	.00	131.3
01:00	0.008126	12.2	12.8	.00	29.33	993.4	-1.9	.00	139.1
02:00	0.008104	12.0	12.8	.00	29.34	993.7	-2.1	.00	160.7
03:00	0.008062	11.9	12.7	.00	29.35	994.0	-2.1	.00	148.9
04:00	0.008015	11.7	12.6	.00	29.36	994.3	-2.7	.00	156.3
05:00	0.007949	11.5	12.6	.00	29.37	994.7	-2.7	.00	104.8
06:00	0.007866	11.4	12.4	.00	29.39	995.3	-3.0	.00	91.9
07:00	0.007916	11.4	12.5	.00	29.40	995.8	-2.7	.00	102.9
08:00	0.007905	11.7	12.5	.00	29.42	996.5	57.7	.08	84.6
09:00	0.007929	13.1	12.6	.00	29.44	997.1	202.7	.29	136.5
10:00	0.009109	14.7	14.4	.00	29.45	997.5	321.0	.46	182.0
11:00	0.009679	15.6	15.3	.00	29.45	997.3	457.4	.66	195.9
12:00	0.009604	15.6	15.2	.00	29.43	996.6	566.4	.81	179.2
13:00	0.009492	15.1	15.0	.00	29.40	995.7	646.3	.93	220.5
14:00	0.009531	15.1	15.0	.00	29.38	994.8	534.8	.77	216.0
15:00	0.008975	14.3	14.1	.00	29.35	994.0	473.3	.68	198.9
16:00	0.008789	14.0	13.8	.00	29.34	993.8	282.9	.41	201.6
17:00	0.008842	14.1	13.9	.00	29.34	993.7	133.7	.19	198.1
18:00	0.00899	14.5	14.2	.00	29.34	993.5	23.5	.03	223.6
19:00	0.00951	14.2	15.0	.00	29.34	993.6	-2.7	.00	61.4
20:00	0.009734	14.5	15.3	.00	29.34	993.7	-2.4	.00	98.4
21:00	0.009587	14.2	15.1	.00	29.35	993.8	-2.3	.00	95.0
22:00	0.009502	14.0	15.0	.00	29.35	993.8	-2.5	.00	106.2
23:00	0.00943	13.7	14.8	.00	29.35	994.0	-2.4	.00	129.3
Avg	0.00878	13.5	13.8	.00	29.37	994.7	152.8	.22	148.0
Max	0.009734	15.6	15.3	.00	29.45	997.5	646.3	.93	223.6
Hr. of Max	20	12	20	23	11	10	13	13	18
Min	0.007866	11.4	12.4	.00	29.33	993.2	-3.0	.00	61.4
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 11/03/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/2/2016

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	229.8	247.3	211.7	241.5	51.5	18.6	4.3	.1	1.3
01:00	228.3	206.7	243.8	202.1	31.2	27.8	15.4	.1	.2
02:00	240.8	232.4	226.4	228.5	24.3	11.2	8.3	.5	1.1
03:00	234.7	231.1	199.3	226.7	46.6	14.9	7.0	.2	1.4
04:00	236.3	241.7	224.6	236.6	28.7	8.3	4.4	.5	2.1
05:00	274.4	212.0	119.5	207.4	21.8	30.6	12.9	.2	.2
06:00	52.1	99.0	70.6	89.7	5.3	9.4	22.9	.2	1.3
07:00	48.3	113.4	129.8	105.3	11.3	9.7	14.8	.1	.6
08:00	34.4	243.7	57.0	272.5	5.5	7.2	30.1	.0	.8
09:00	179.3	234.2	217.4	229.1	21.3	42.5	9.1	.2	.7
10:00	212.8	226.9	192.6	222.1	25.9	19.9	16.6	2.6	3.2
11:00	210.6	211.4	201.5	206.5	34.4	24.8	19.3	3.1	3.5
12:00	206.0	209.8	191.9	204.7	53.7	42.1	36.9	2.3	2.9
13:00	231.8	228.4	222.6	224.1	40.7	30.9	27.3	3.8	4.8
14:00	225.0	221.4	221.8	217.1	43.3	34.7	27.9	3.2	4.0
15:00	214.0	214.0	205.1	209.7	36.0	22.8	20.7	3.4	4.4
16:00	222.2	222.4	213.6	217.6	54.1	38.3	33.9	2.7	3.6
17:00	218.9	217.8	205.0	213.0	35.6	26.9	21.9	2.5	3.6
18:00	248.8	240.2	268.6	235.7	43.5	12.3	6.3	.3	1.3
19:00	53.9	148.3	4.3	129.2	32.8	45.0	45.8	.0	.9
20:00	27.7	115.5	149.4	117.7	9.2	28.5	16.8	.0	.2
21:00	325.5	285.5	123.6	265.1	6.1	.0	31.0	.0	.0
22:00	325.5	229.2	271.0	214.7	12.7	.0	15.8	.0	.0
23:00	298.9	233.3	236.6	228.9	47.6	51.0	11.5	.2	.2
Avg	243.0	217.0	202.0	213.0	30.1	23.2	19.2	.0	.0
Max	325.5	285.5	271.0	272.5	54.1	51.0	45.8	3.8	4.8
Hr. of Max	22	21	22	08	16	23	19	13	13
Min	27.7	99.0	4.3	89.7	5.3	.0	4.3	.0	.0
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 11/03/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/2/2016

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	2.7	.3	1.4	2.7	.9	2.9	2.9	.4	.05
01:00	1.5	.2	.3	1.5	.9	1.7	2.4	-.9	.05
02:00	2.1	.5	1.1	2.1	1.2	2.4	1.9	.4	.04
03:00	2.5	.3	1.5	2.6	.9	2.8	1.8	.4	.02
04:00	3.7	.5	2.2	3.7	1.1	3.9	1.0	1.6	.02
05:00	2.1	.2	.9	2.3	.8	2.5	3.1	.2	.05
06:00	1.1	.2	1.3	1.2	.6	1.5	3.2	-1.0	.04
07:00	1.0	.1	.6	1.1	.4	1.4	2.6	.0	.03
08:00	.2	.0	.9	.2	.5	.5	2.3	-1.0	.02
09:00	2.9	.2	.8	3.0	.8	3.2	4.7	1.6	.09
10:00	3.7	2.8	3.4	3.9	3.2	4.4	.8	-1.3	.07
11:00	4.2	3.4	3.7	4.4	3.8	4.8	1.8	-7.9	-.03
12:00	3.5	3.0	3.6	4.1	3.8	4.7	3.1	1.1	.18
13:00	5.4	4.7	5.4	5.9	5.4	6.5	.7	-.4	-.09
14:00	4.5	4.0	4.6	5.1	4.5	5.6	-2.4	-6.6	-.18
15:00	5.0	4.6	5.3	5.9	5.1	6.5	-1.2	-2.2	-.18
16:00	4.5	3.3	4.2	5.1	3.9	5.5	4.2	.3	.13
17:00	4.4	3.0	4.0	4.7	3.5	5.1	1.6	.5	-.02
18:00	2.3	.4	1.4	2.5	1.0	2.7	1.8	1.7	.03
19:00	.1	.1	.9	.3	.3	.6	2.0	.3	.02
20:00	.0	.0	.2	.0	.2	.2	1.4	-1.0	.01
21:00	.1	.0	.0	.1	.2	.3	2.2	-1.6	.02
22:00	1.2	.0	.0	1.3	.4	1.5	2.6	-1.6	.03
23:00	2.0	.2	.3	2.1	.7	2.3	2.7	-.1	.04
Avg	.0	1.3	2.0	2.7	1.8	3.1	2.0	-.7	.02
Max	5.4	4.7	5.4	5.9	5.4	6.5	4.7	1.7	.18
Hr. of Max	13	13	13	15	13	15	09	18	12
Min	.0	.0	.0	.0	.2	.2	-2.4	-7.9	-.18
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 11/03/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/2/2016

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	.02	1.6	2.7	6.4	6.5	2.2	18.8	21.3
01:00	-.03	2.1	1.6	2.5	5.5	4.3	17.4	20.3
02:00	.03	2.5	3.0	4.4	6.1	4.9	16.1	19.2
03:00	.03	2.5	5.0	5.3	7.0	2.6	15.2	18.4
04:00	.12	2.5	3.9	4.8	5.5	2.0	14.1	17.3
05:00	.03	1.4	4.8	7.8	7.1	3.8	13.5	15.9
06:00	-.03	1.1	2.3	2.7	9.7	11.9	13.3	14.9
07:00	.00	1.1	2.5	2.7	7.3	11.6	12.9	14.9
08:00	-.01	1.1	3.0	2.5	7.6	7.6	13.0	16.3
09:00	.11	2.1	3.9	4.6	18.0	3.4	15.2	17.0
10:00	-.09	6.9	7.3	8.2	18.7	13.1	18.8	18.2
11:00	-.76	7.8	8.2	8.7	23.0	18.5	20.8	20.0
12:00	.06	12.8	13.7	12.6	28.4	26.6	23.2	22.3
13:00	-.18	11.4	12.1	15.1	20.4	20.8	24.5	23.6
14:00	-.62	16.7	19.9	19.5	20.8	20.0	25.3	24.4
15:00	-.28	11.0	11.4	11.9	20.7	19.3	26.2	25.4
16:00	-.10	14.9	14.4	14.0	21.2	19.2	26.4	25.6
17:00	-.05	9.8	9.8	10.1	16.4	13.2	26.2	25.6
18:00	.07	1.8	4.4	5.7	9.0	4.7	24.7	24.9
19:00	.00	1.1	1.8	2.3	7.2	7.9	22.4	23.7
20:00	-.01	.9	1.6	.7	5.5	8.2	20.6	22.1
21:00	-.02	.5	.0	.9	5.4	6.8	19.0	20.8
22:00	-.05	.0	.0	5.3	6.7	8.9	18.1	20.4
23:00	-.02	2.1	1.6	5.0	6.9	4.9	17.2	19.9
Avg	-.07	4.8	5.8	6.8	12.1	10.3	19.3	20.5
Max	.12	16.7	19.9	19.5	28.4	26.6	26.4	25.6
Hr. of Max	04	14	14	14	12	12	16	17
Min	-.76	.0	.0	.7	5.4	2.0	12.9	14.9
Count	24	24	24	24	24	24	24	24
Total								