Date Printed: 07/02/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/1/2015

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	19.3	19.5	19.6	19.8	.19	.32	.43	.13	.24
01:00	18.8	19.4	19.5	19.7	.60	.73	.89	.13	.29
02:00	18.2	18.8	19.1	19.3	.68	.97	1.14	.29	.46
03:00	18.2	18.7	19.0	19.2	.58	.85	1.02	.27	.45
04:00	17.8	18.5	18.9	19.1	.73	1.09	1.37	.36	.64
05:00	18.0	18.7	19.0	19.2	.71	.98	1.21	.27	.50
06:00	18.1	18.8	19.1	19.4	.67	1.06	1.30	.38	.63
07:00	18.9	19.3	19.5	19.8	.36	.64	.93	.28	.57
08:00	20.4	20.3	20.2	20.3	-.08	-.15	-.03	-.07	.05
09:00	21.7	21.4	21.2	21.2	-.30	-.49	-.51	-.19	-.20
10:00	22.9 P	22.7 P	22.5 P	22.4 P	P	P	P	P	P
11:00	23.7	23.5	23.2	23.2	-.21	-.45	-.53	-.24	-.32
12:00	24.2	24.0	23.8	23.7	-.17	-.39	-.42	-.23	-.25
13:00	24.4	24.1	23.9	23.8	-.26	-.51	-.57	-.25	-.30
14:00	24.8	24.5	24.3	24.2	-.32	-.59	-.66	-.26	-.34
15:00	25.8	25.4	25.1	25.1	-.38	-.68	-.76	-.30	-.39
16:00	25.8	25.4	25.2	25.1	-.33	-.58	-.64	-.25	-.32
17:00	24.1	23.9	23.7	23.6	-.19	-.42	-.48	-.23	-.29
18:00	22.8	22.8	22.7	22.7	-.02	-.11	-.08	-.09	-.07
19:00	21.7	21.6	21.5	21.5	-.07	-.24	-.27	-.17	-.19
20:00	21.3	21.2	21.0	21.0	-.07	-.22	-.22	-.15	-.15
21:00	20.8	20.7	20.6	20.7	-.05	-.13	-.03	-.08	.01
22:00	20.8	20.8	20.7	20.7	-.02	-.13	-.12	-.11	-.10
23:00	20.6	20.5	20.4	20.4	-.03	-.14	-.11	-.11	-.09
Avg	21.4	21.4	21.4	21.5	.09	.06	.12	-.03	.04
Max	25.8	25.4	25.2	25.1	.73	1.09	1.37	.38	.64
Hr. of Max	16	16	16	16	04	04	04	06	04
Min	17.8	18.5	18.9	19.1	-.38	-.68	-.76	-.30	-.39
Count	24	24	24	24	23	23	23	23	23
Total									

Date Printed: 07/02/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/1/2015

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	18.4	18.6	18.7	23.8	96.5	96.5	15.7	15.9	0.013699
01:00	17.9	18.6	18.2	23.6	96.6	97.2	15.3	15.9	0.013259
02:00	17.3	18.1	17.6	23.4	96.8	97.3	14.8	15.4	0.012788
03:00	17.4	18.1	17.7	23.3	97.2	98.1	14.8	15.4	0.012838
04:00	17.0	17.9	17.3	23.1	97.2	98.3	14.5	15.3	0.012532
05:00	17.3	18.2	17.5	23.0	97.4	98.6	14.7	15.5	0.01276
06:00	17.3	18.2	17.6	22.8	97.3	98.6	14.8	15.6	0.012789
07:00	18.1	18.6	18.4	22.7	97.5	98.3	15.5	15.9	0.013481
08:00	19.5	19.4	19.8	22.6	96.8	96.6	16.8	16.6	0.014667
09:00	20.2	19.8	20.7	22.6	93.1	93.0	17.4	17.1	0.015314
10:00	P	P	P	22.7 P	87.8 P	87.7 P	P	P	P
11:00	20.7	20.4	21.7	23.0	85.4	85.2	17.9	17.6	0.015836
12:00	20.5	20.3	21.7	23.2	82.1	82.0	17.6	17.4	0.015657
13:00	20.6	20.4	21.9	23.4	81.5	81.7	17.7	17.5	0.015758
14:00	20.7	20.5	22.1	23.6	79.9	80.4	17.8	17.6	0.015884
15:00	20.9	20.6	22.6	23.9	76.6	76.8	18.0	17.7	0.016129
16:00	20.7	20.5	22.4	24.1	75.6	76.2	17.8	17.6	0.015867
17:00	20.6	20.5	21.8	24.4	83.0	83.6	17.8	17.7	0.015771
18:00	19.5	19.4	20.6	24.6	83.9	83.3	16.7	16.6	0.014749
19:00	19.6	19.7	20.3	24.6	90.1	90.6	16.8	16.9	0.014834
20:00	19.2	19.4	19.9	24.5	90.4	91.4	16.5	16.6	0.014479
21:00	19.1	19.2	19.6	24.4	92.3	93.5	16.3	16.5	0.014327
22:00	18.8	18.9	19.5	24.2	90.0	90.9	16.0	16.1	0.014027
23:00	18.3	18.4	19.1	24.1	89.1	89.9	15.6	15.7	0.013646
Avg	19.1	19.3	19.9	23.6	89.8	90.2	16.4	16.5	0.014395
Max	20.9	20.6	22.6	24.6	97.5	98.6	18.0	17.7	0.016129
Hr. of Max	15	15	15	19	07	06	15	17	15
Min	17.0	17.9	17.3	22.6	75.6	76.2	14.5	15.3	0.012532
Count	23	23	23	24	24	24	23	23	23
Total									

Date Printed: 07/02/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/1/2015

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	0.01387	21.2	21.5	.01	29.07	984.6	-2.3	.00	348.2
01:00	0.013848	20.5	21.4	.00	29.07	984.5	-1.7	.00	266.4
02:00	0.013414	19.8	20.8	.00	29.07	984.4	-2.5	.00	250.8
03:00	0.013425	19.9	20.8	.00	29.07	984.4	-1.2	.00	270.2
04:00	0.013259	19.4	20.5	.00	29.06	984.1	-1.4	.00	263.4
05:00	0.013509	19.8	20.9	.00	29.06	984.0	-2.5	.00	343.9
06:00	0.013525	19.8	20.9	.00	29.07	984.4	6.1	.01	49.3
07:00	0.013897	20.9	21.5	.00	29.08	984.7	72.9	.10	234.4
08:00	0.014552	22.7	22.5	.00	29.09	985.1	131.0	.19	227.8
09:00	0.015011	23.7	23.2	.00	29.10	985.5	284.4	.41	218.7
10:00	P	P	P	.00 P	29.09 P	985.1 P	231.3 P	.33 P	216.0 P
11:00	0.015605	24.5	24.1	.00	29.09	985.2	241.6	.35	208.7
12:00	0.015466	24.2	23.9	.00	29.10	985.4	218.9	.31	209.4
13:00	0.01554	24.3	24.0	.00	29.10	985.4	282.1	.40	218.3
14:00	0.015665	24.5	24.2	.00	29.09	985.0	353.2	.51	218.2
15:00	0.015823	24.9	24.4	.00	29.08	984.7	435.3	.62	219.1
16:00	0.015695	24.5	24.2	.00	29.08	984.8	284.6	.41	226.3
17:00	0.0157	24.4	24.2	.00	29.08	984.8	145.3	.21	213.8
18:00	0.014636	22.8	22.6	.00	29.07	984.4	59.7	.09	207.8
19:00	0.014854	22.9	23.0	.00	29.06	984.1	77.8	.11	187.4
20:00	0.014574	22.4	22.5	.00	29.06	984.0	25.3	.04	222.8
21:00	0.014469	22.2	22.4	.00	29.06	984.3	-2.7	.00	235.2
22:00	0.014142	21.7	21.9	.00	29.09	985.0	-3.1	.00	248.4
23:00	0.013737	21.2	21.3	.00	29.10	985.5	-2.2	.00	232.0
Avg	0.014531	22.3	22.5	.00	29.08	984.7	117.9	.17	233.0
Max	0.015823	24.9	24.4	.01	29.10	985.5	435.3	.62	348.2
Hr. of Max	15	15	15	00	23	23	15	15	00
Min	0.013259	19.4	20.5	.00	29.06	984.0	-3.1	.00	49.3
Count	23	23	23	24	24	24	24	24	24
Total									

Date Printed: 07/02/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/1/2015

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	54.4	120.4	339.3	104.8	66.8	44.8	44.2	.5	.4
01:00	234.9	200.4	269.3	203.0	20.3	18.7	14.4	1.6	2.1
02:00	249.3	233.9	248.9	236.1	41.7	30.8	11.4	1.0	1.6
03:00	245.6	240.5	267.7	242.3	63.0	31.0	18.3	.6	1.3
04:00	217.7	231.3	259.0	240.1	41.5	33.0	26.7	.8	.8
05:00	212.2	193.3	321.7	197.2	42.1	36.6	32.7	.4	1.1
06:00	33.9	156.6	33.8	163.9	68.7	56.1	53.5	.4	.5
07:00	144.5	187.0	275.5	188.7	65.3	34.3	22.4	.2	.3
08:00	239.2	229.7	232.5	231.9	19.0	10.6	8.9	1.8	3.3
09:00	229.2	229.6	224.1	231.8	25.1	20.5	16.3	2.2	3.4
10:00	218.9 P	217.8 P	222.5 P	219.4 P	26.6 P	19.4 P	16.5 P	2.9 P	4.0 P
11:00	214.1	212.2	212.5	214.2	21.4	17.0	12.0	3.5	5.1
12:00	215.8	215.4	214.6	217.4	22.3	16.4	12.3	4.6	7.0
13:00	221.1	219.9	223.8	222.1	22.3	16.4	11.3	5.0	7.3
14:00	223.0	221.2	223.8	223.3	23.4	17.8	12.3	5.8	8.6
15:00	227.5	226.8	223.6	228.8	23.9	17.4	13.2	4.7	6.7
16:00	230.4	229.2	231.3	231.3	25.9	19.2	15.3	5.2	7.6
17:00	221.6	219.8	220.6	222.2	24.1	15.2	10.6	4.7	7.6
18:00	212.3	209.2	212.2	210.9	22.4	14.4	11.0	3.9	6.9
19:00	196.6	194.9	193.6	196.2	23.0	17.2	11.8	4.3	6.6
20:00	225.1	222.9	227.7	224.7	20.0	13.7	9.9	3.2	5.2
21:00	239.4	237.7	240.2	239.5	22.0	11.1	7.7	2.7	5.3
22:00	248.1	246.7	253.2	248.2	20.3	13.9	10.3	4.5	7.2
23:00	232.9	229.3	235.2	231.1	25.7	16.8	11.9	3.7	6.2
Avg	223.0	215.0	240.0	218.0	32.4	22.6	17.3	.0	.0
Max	249.3	246.7	339.3	248.2	68.7	56.1	53.5	5.8	8.6
Hr. of Max	02	22	00	22	06	06	06	14	14
Min	33.9	120.4	33.8	104.8	19.0	10.6	7.7	.2	.3
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 07/02/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/1/2015

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	.4	.8	1.2	1.4	1.1	1.7	2.0	.3	.01
01:00	2.6	1.8	2.2	2.8	2.0	3.1	-1.9	-2.3	-.08
02:00	2.7	1.1	1.7	2.8	1.6	3.1	.8	.4	.00
03:00	2.4	1.2	1.6	2.6	1.5	2.8	.7	1.0	.01
04:00	2.0	.9	1.0	2.1	1.4	2.4	2.2	.4	.03
05:00	1.9	.7	1.6	2.1	1.0	2.4	1.4	-1.0	.01
06:00	.3	.6	.9	.5	1.0	1.0	1.2	1.2	.03
07:00	2.0	.5	.7	2.2	.9	2.5	2.8	-.4	.05
08:00	5.0	2.0	3.4	5.0	2.4	5.4	-.7	-.2	-.09
09:00	4.5	2.5	3.6	4.7	3.0	5.2	2.4	1.3	-.03
10:00	4.9 P	3.1 P	4.2 P	5.0 P	3.7 P	5.5 P	.4 P	.9 P	-.09 P
11:00	6.6	3.7	5.3	6.8	4.2	7.2	1.5	.9	-.04
12:00	8.8	4.9	7.2	9.0	5.8	9.7	-1.4	.2	-.30
13:00	9.2	5.3	7.6	9.4	5.7	10.0	1.0	.6	-.15
14:00	10.8	6.2	8.9	11.1	6.9	11.8	.3	.8	-.21
15:00	8.1	5.0	7.0	8.3	5.9	9.0	1.0	1.4	-.06
16:00	9.0	5.7	8.0	9.4	6.2	10.0	.1	1.7	-.18
17:00	9.6	5.1	7.8	9.7	6.0	10.4	1.2	.9	-.10
18:00	9.2	4.2	7.2	9.4	4.8	9.9	1.2	.9	-.05
19:00	8.8	4.6	6.9	9.0	5.4	9.5	2.4	1.5	.05
20:00	6.8	3.5	5.4	7.0	3.9	7.5	-.2	.2	-.13
21:00	7.6	2.9	5.4	7.7	3.3	8.2	.8	1.4	-.10
22:00	8.9	4.8	7.4	9.1	5.5	9.7	-1.8	.3	-.33
23:00	8.2	4.1	6.5	8.4	4.5	9.0	.2	.9	-.20
Avg	.0	3.1	4.7	6.1	3.7	6.5	.7	.6	-.08
Max	10.8	6.2	8.9	11.1	6.9	11.8	2.8	1.7	.05
Hr. of Max	14	14	14	14	14	14	07	16	19
Min	.3	.5	.7	.5	.9	1.0	-1.9	-2.3	-.33
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 07/02/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/1/2015

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	82_SPkWsH_015m	83_SPkWsH_060m	84_SigPhi_015m	85_SigPhi_060m
Hour	MPH	MPH	MPH	MPH	MPH	MPH	DEG	DEG
00:00	.01	4.4	3.0	3.0	3.1	3.4	11.2	9.4
01:00	-.11	3.2	4.8	5.7	3.4	6.3	7.3	7.9
02:00	.01	4.4	6.4	8.2	4.1	6.6	7.9	4.8
03:00	.06	6.2	5.3	6.2	4.0	6.1	9.8	4.4
04:00	.05	2.5	2.3	3.7	3.0	4.2	6.8	6.5
05:00	-.07	3.2	4.6	6.2	3.2	6.5	9.9	8.2
06:00	.03	3.2	4.1	5.7	3.7	3.7	9.2	12.7
07:00	-.02	2.3	3.2	3.9	2.6	4.2	8.2	6.2
08:00	-.03	6.4	6.9	8.5	6.6	9.1	13.5	4.0
09:00	.00	8.2	9.8	13.1	9.9	9.7	21.5	11.4
10:00	-.06 P	<	<	<	<	<	<	<
11:00	-.02	8.7	13.1	14.9	9.4	12.5	17.9	10.6
12:00	-.09	13.1	15.3	19.0	13.6	16.8	15.8	9.9
13:00	-.01	14.0	14.4	20.6	14.6	16.9	18.4	8.8
14:00	.02	16.7	22.2	19.5	18.5	21.0	17.9	9.2
15:00	.06	14.0	14.4	24.3	14.4	16.2	17.3	11.1
16:00	.14	14.4	22.9	21.1	16.5	19.5	17.3	10.8
17:00	.02	12.6	19.7	17.9	16.2	17.7	17.1	9.1
18:00	.06	10.8	16.7	21.8	13.5	18.8	17.6	8.0
19:00	.11	11.4	14.7	21.3	13.0	16.6	17.8	10.0
20:00	-.04	8.0	9.8	16.3	9.4	13.0	15.6	7.1
21:00	.17	8.0	11.9	12.8	9.4	14.2	15.8	5.4
22:00	-.04	14.7	18.3	19.7	16.4	21.2	13.7	7.2
23:00	.07	11.0	15.8	24.3	11.6	15.9	18.0	8.4
Avg	.01	8.8	11.3	13.8	9.6	12.2	14.2	8.3
Max	.17	16.7	22.9	24.3	18.5	21.2	21.5	12.7
Hr. of Max	21	14	16	23	14	22	09	06
Min	-.11	2.3	2.3	3.0	2.6	3.4	6.8	4.0
Count	24	23	23	23	23	23	23	23
Total								