Date Printed: 07/13/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/12/2015

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	20.8	21.4	21.9	22.4	.66	1.18	1.61	.52	.95
01:00	20.3	20.9	21.3	21.6	.60	.92	1.25	.32	.65
02:00	19.9	20.6	20.9	21.2	.71	1.01	1.31	.29	.60
03:00	19.7	20.4	20.7	21.0	.67	.96	1.26	.28	.59
04:00	19.5	20.3	20.5	20.7	.80	.95	1.17	.15	.37
05:00	19.2	19.9	20.2	20.5	.65	.99	1.33	.35	.68
06:00	19.7	20.1	20.6	20.9	.39	.86	1.14	.48	.75
07:00	20.9	20.9	20.9	21.0	-.08	-.05	.02	.02	.09
08:00	22.2	21.9	21.7	21.7	-.31	-.49	-.56	-.17	-.25
09:00	23.0	22.7	22.5	22.4	-.32	-.56	-.68	-.24	-.36
10:00	24.3	23.9	23.6	23.6	-.42	-.68	-.74	-.25	-.31
11:00	23.7	23.5	23.4	23.3	-.21	-.38	-.43	-.17	-.22
12:00	24.3	23.9	23.7	23.7	-.43	-.63	-.61	-.20	-.18
13:00	26.2	25.6	25.3	25.3	-.59	-.83	-.91	-.24	-.32
14:00	27.5	27.0	26.8	26.7	-.47	-.70	-.76	-.23	-.29
15:00	28.4	27.8	27.5	27.4	-.63	-.89	-1.01	-.25	-.38
16:00	28.9	28.5	28.2	28.1	-.43	-.71	-.77	-.28	-.35
17:00	28.8	28.4	28.1	28.1	-.38	-.65	-.73	-.27	-.35
18:00	26.9	26.9	27.2	27.4	.00	.32	.52	.31	.52
19:00	26.2	26.1	26.2	26.5	-.08	.02	.34	.09	.42
20:00	25.6	25.9	26.1	26.4	.24	.50	.79	.26	.55
21:00	24.2	25.1	25.3	25.7	.82	1.09	1.52	.27	.69
22:00	23.6	24.1	24.7	25.3	.55	1.12	1.72	.57	1.18
23:00	23.1	23.6	23.9	24.4	.49	.81	1.29	.32	.80
Avg	23.6	23.7	23.8	24.0	.09	.17	.34	.08	.24
Max	28.9	28.5	28.2	28.1	.82	1.18	1.72	.57	1.18
Hr. of Max	16	16	16	17	21	00	22	22	22
Min	19.2	19.9	20.2	20.5	-.63	-.89	-1.01	-.28	-.38
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 07/13/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/12/2015

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	19.2	20.3	19.7	28.1	92.9	95.5	16.5	17.6	0.014355
01:00	18.9	20.0	19.3	27.8	93.3	96.6	16.1	17.3	0.014043
02:00	18.5	19.8	19.0	27.5	93.7	97.0	15.8	17.0	0.013755
03:00	18.3	19.6	18.8	27.2	93.7	97.4	15.6	16.9	0.013578
04:00	18.2	19.4	18.6	26.9	94.0	96.5	15.5	16.7	0.013479
05:00	17.9	19.1	18.4	26.6	94.3	97.3	15.3	16.3	0.013251
06:00	18.3	19.3	18.8	26.4	93.8	97.3	15.6	16.6	0.013589
07:00	19.4	19.9	19.9	26.1	93.3	96.2	16.7	17.1	0.01458
08:00	20.0	20.1	20.7	26.0	89.5	91.5	17.2	17.3	0.015119
09:00	20.4	20.2	21.3	25.9	87.1	88.1	17.6	17.4	0.015468
10:00	20.9	20.7	22.0	25.9	83.2	84.8	18.0	17.9	0.015971
11:00	21.4	21.5	22.2	26.0	89.4	91.1	18.7	18.8	0.016532
12:00	22.2	22.0	22.9	26.1	90.9	92.1	19.6	19.4	0.017424
13:00	22.0	21.4	23.4	26.2	80.3	80.2	19.2	18.6	0.017205
14:00	21.6	21.0	23.5	26.5	72.3	71.8	18.7	18.1	0.016769
15:00	22.0	21.6	24.2	26.9	70.5	71.2	19.2	18.7	0.0173
16:00	22.1	21.8	24.4	27.2	69.0	69.2	19.2	18.9	0.017384
17:00	22.0	21.8	24.3	27.5	69.0	69.6	19.1	18.9	0.017291
18:00	22.8	22.7	24.2	27.7	81.2	80.4	20.2	20.0	0.018174
19:00	23.3	23.2	24.2	27.8	86.9	86.7	20.8	20.7	0.018683
20:00	23.1	22.8	23.9	27.7	88.3	85.9	20.5	20.3	0.018424
21:00	22.4	22.8	23.0	27.6	92.2	90.2	19.8	20.3	0.017675
22:00	22.0	22.7	22.6	27.4	93.8	94.9	19.4	20.2	0.017265
23:00	21.8	22.7	22.2	27.2	94.7	97.3	19.1	20.2	0.016956
Avg	20.8	21.1	21.7	26.9	87.0	88.3	18.1	18.4	0.016011
Max	23.3	23.2	24.4	28.1	94.7	97.4	20.8	20.7	0.018683
Hr. of Max	19	19	16	00	23	03	19	19	19
Min	17.9	19.1	18.4	25.9	69.0	69.2	15.3	16.3	0.013251
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 07/13/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/12/2015

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	0.015372	22.3	23.9	.00	29.21	989.3	-1.7	.00	307.2
01:00	0.01509	21.8	23.4	.00	29.20	988.9	-2.3	.00	256.3
02:00	0.014875	21.4	23.1	.00	29.19	988.6	-1.8	.00	284.3
03:00	0.014716	21.1	22.8	.00	29.19	988.5	-2.8	.00	338.8
04:00	0.014534	21.0	22.6	.00	29.18	988.3	-2.0	.00	11.5
05:00	0.014229	20.6	22.1	.00	29.19	988.5	-1.4	.00	251.7
06:00	0.01443	21.1	22.4	.00	29.20	988.9	3.3	.00	241.6
07:00	0.014964	22.7	23.2	.00	29.21	989.2	70.3	.10	258.3
08:00	0.015154	23.5	23.5	.00	29.21	989.3	184.3	.26	239.6
09:00	0.01534	24.0	23.8	.00	29.21	989.1	255.5	.37	210.9
10:00	0.015859	24.7	24.6	.00	29.19	988.7	313.6	.45	254.1
11:00	0.016639	25.6	25.8	.08	29.21	989.1	65.5	.09	321.6
12:00	0.017202	26.9	26.6	.03	29.19	988.6	427.8	.61	183.4
13:00	0.016599	26.6	25.7	.00	29.16	987.4	677.7	.97	202.2
14:00	0.016209	25.9	25.1	.00	29.13	986.4	519.5	.74	216.1
15:00	0.01684	26.7	26.0	.00	29.11	985.9	725.5	1.04	242.6
16:00	0.017022	26.8	26.3	.00	29.10	985.5	441.2	.63	223.1
17:00	0.017059	26.6	26.3	.00	29.09	985.1	335.8	.48	221.0
18:00	0.018002	28.0	27.7	.00	29.08	984.8	45.2	.06	254.7
19:00	0.018573	28.7	28.5	.00	29.06	984.3	74.4	.11	255.7
20:00	0.018178	28.3	27.9	.00	29.06	984.3	42.7	.06	259.3
21:00	0.018162	27.2	27.9	.00	29.08	984.7	-1.5	.00	297.8
22:00	0.018036	26.6	27.8	.00	29.08	984.9	-2.2	.00	265.2
23:00	0.017951	26.1	27.6	.00	29.08	985.0	-2.5	.00	248.2
Avg	0.016293	24.8	25.2	.00	29.15	987.2	173.5	.25	255.0
Max	0.018573	28.7	28.5	.08	29.21	989.3	725.5	1.04	338.8
Hr. of Max	19	19	19	11	11	08	15	15	03
Min	0.014229	20.6	22.1	.00	29.06	984.3	-2.8	.00	11.5
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 07/13/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/12/2015

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	326.4	256.2	292.9	256.6	63.8	50.1	32.1	.4	.4
01:00	212.8	224.0	259.9	226.2	11.3	25.9	13.8	1.0	.8
02:00	277.7	209.8	284.6	230.5	53.8	26.6	7.5	.3	.7
03:00	43.6	85.1	280.2	64.9	31.5	13.6	19.3	.1	.5
04:00	69.0	76.7	338.4	73.6	52.1	55.2	21.5	.3	.7
05:00	243.6	219.9	256.3	222.7	43.4	37.2	23.6	1.3	1.3
06:00	265.1	214.0	261.9	216.7	39.1	47.7	10.9	.6	1.3
07:00	213.9	183.4	263.3	185.5	60.0	29.5	16.3	.3	.6
08:00	238.0	217.0	244.2	218.3	30.7	22.5	19.1	1.1	1.4
09:00	228.3	224.1	218.0	225.4	37.9	39.4	32.0	1.7	1.9
10:00	262.2	260.7	255.1	261.5	40.8	30.4	25.7	1.6	2.1
11:00	327.8	324.7	322.5	320.3	38.9	28.9	23.6	2.9	4.4
12:00	184.7	202.0	192.9	210.6	47.2	49.5	42.2	1.6	1.8
13:00	197.8	198.3	207.0	199.1	37.8	27.7	25.7	1.8	2.1
14:00	219.2	213.2	221.4	215.1	38.6	33.7	33.9	1.9	2.5
15:00	248.9	255.8	244.0	255.5	56.8	50.5	40.8	1.7	2.0
16:00	232.0	228.0	228.0	231.1	33.6	24.1	22.4	3.4	4.7
17:00	227.1	224.6	226.7	227.0	22.8	18.2	14.6	4.4	6.0
18:00	239.0	223.2	256.4	224.9	27.1	23.0	16.1	1.3	2.1
19:00	250.7	236.1	258.1	237.6	18.0	11.8	10.0	1.5	3.2
20:00	270.7	282.9	257.6	284.5	23.8	25.7	19.2	.5	1.6
21:00	190.9	145.0	298.9	146.4	40.7	41.4	25.8	.9	.8
22:00	263.8	239.9	263.4	241.8	20.1	21.8	11.1	.8	1.4
23:00	222.3	238.4	251.9	239.7	16.1	12.7	13.9	1.8	2.6
Avg	241.0	223.0	256.0	228.0	36.9	31.1	21.7	.0	.0
Max	327.8	324.7	338.4	320.3	63.8	55.2	42.2	4.4	6.0
Hr. of Max	11	11	04	11	00	04	12	17	17
Min	43.6	76.7	192.9	64.9	11.3	11.8	7.5	.1	.4
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 07/13/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/12/2015

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	.8	.7	.9	.9	.9	1.3	2.4	3.0	.04
01:00	1.3	1.1	.9	1.3	1.5	1.6	1.0	1.2	.01
02:00	.6	.5	.8	.6	.9	.9	1.8	.4	.03
03:00	.6	.1	.5	.6	.4	1.0	2.0	-.6	.03
04:00	1.5	.9	1.0	1.6	1.2	1.9	1.5	.9	.02
05:00	1.1	1.3	1.3	1.2	1.7	1.5	1.5	-1.0	.01
06:00	2.2	.7	1.3	2.3	1.0	2.6	1.6	-.5	.03
07:00	1.1	.4	.7	1.2	.7	1.5	1.6	-2.3	.01
08:00	1.9	1.2	1.5	1.9	1.7	2.3	.7	-2.4	-.02
09:00	2.0	2.1	2.3	2.2	2.7	2.6	4.7	2.3	.12
10:00	2.3	2.1	2.5	2.5	2.5	3.0	.3	.7	-.03
11:00	5.6	3.5	4.9	6.2	3.9	6.5	-3.3	.1	-.44
12:00	1.5	2.4	2.8	3.0	2.9	3.4	-3.2	-4.2	-.21
13:00	2.2	2.2	2.4	2.5	2.7	2.9	.7	-7.2	.00
14:00	2.8	2.9	3.6	3.9	3.4	4.2	.0	-2.7	-.04
15:00	2.3	2.6	3.0	3.2	3.1	3.9	-5.9	-.3	-.30
16:00	5.5	3.8	5.0	5.7	4.5	6.2	.9	2.3	-.10
17:00	7.1	4.7	6.3	7.3	5.3	7.8	-1.1	-.1	-.26
18:00	2.8	1.7	2.3	3.0	2.1	3.3	-.6	-.7	-.05
19:00	4.2	1.7	3.5	4.6	2.2	4.9	-2.6	-.6	-.13
20:00	3.1	.7	1.7	3.2	1.0	3.3	-.8	1.5	-.02
21:00	1.6	1.2	1.4	2.2	1.5	2.4	.1	.4	.01
22:00	2.5	.9	1.4	2.7	1.3	2.9	1.6	1.3	.02
23:00	2.4	1.9	2.7	2.6	2.3	2.8	-2.2	.3	-.10
Avg	.0	1.7	2.3	2.8	2.1	3.1	.1	-.3	-.06
Max	7.1	4.7	6.3	7.3	5.3	7.8	4.7	3.0	.12
Hr. of Max	17	17	17	17	17	17	09	00	09
Min	.6	.1	.5	.6	.4	.9	-5.9	-7.2	-.44
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 07/13/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/12/2015

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	.06	2.7	4.6	4.6	3.6	4.2	8.2	9.6
01:00	.04	2.5	2.5	2.3	2.9	2.4	6.8	5.6
02:00	.02	2.1	2.5	2.5	2.1	2.2	7.8	3.4
03:00	-.01	1.6	1.8	2.1	1.9	2.4	5.3	3.9
04:00	.02	3.0	3.2	3.2	3.3	3.3	6.9	4.4
05:00	.00	4.6	3.9	4.6	3.6	5.0	7.3	6.8
06:00	-.03	2.3	4.1	4.8	2.6	4.1	9.7	4.4
07:00	-.05	1.6	2.3	4.1	2.3	3.7	13.9	8.8
08:00	-.10	3.7	4.1	4.1	4.1	4.6	22.1	18.3
09:00	.03	5.7	6.6	6.9	6.6	7.4	23.0	21.5
10:00	-.04	5.5	5.3	5.5	6.4	6.3	24.1	22.4
11:00	-.14	9.6	10.5	11.9	9.9	12.7	19.0	12.9
12:00	-.25	6.9	7.6	8.2	8.1	8.8	19.0	16.9
13:00	-.37	6.0	6.9	7.6	6.6	9.4	24.2	24.1
14:00	-.16	8.9	8.9	8.2	9.1	9.9	19.0	16.5
15:00	-.22	10.1	10.3	10.1	10.6	10.6	22.8	29.1
16:00	.07	9.2	9.6	9.6	10.0	10.6	18.4	16.4
17:00	-.16	15.3	16.0	16.9	13.3	13.7	14.7	10.9
18:00	-.04	6.2	8.7	12.6	7.0	7.5	11.2	8.4
19:00	-.07	6.2	9.8	12.4	4.9	8.8	11.9	4.4
20:00	.10	3.0	4.4	6.2	3.4	5.9	9.8	6.0
21:00	.05	3.0	3.2	4.4	3.3	4.6	10.1	10.5
22:00	.07	2.7	4.4	4.6	2.4	4.0	6.7	3.6
23:00	.00	3.9	5.3	6.0	4.5	6.3	6.7	6.0
Avg	-.05	5.3	6.1	6.8	5.5	6.6	13.7	11.5
Max	.10	15.3	16.0	16.9	13.3	13.7	24.2	29.1
Hr. of Max	20	17	17	17	17	17	13	15
Min	-.37	1.6	1.8	2.1	1.9	2.2	5.3	3.4
Count	24	24	24	24	24	24	24	24
Total								