Date Printed: 05/24/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/23/2015

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	10.5	12.6	13.1	14.6	2.08	2.59	4.07	.51	1.99
01:00	9.9	11.8	12.2	13.4	1.93	2.28	3.48	.36	1.55
02:00	9.2	11.2	11.7	12.7	1.96	2.52	3.46	.55	1.49
03:00	9.0	10.8	11.3	12.2	1.89	2.36	3.24	.47	1.35
04:00	8.5	10.4	10.9	11.5	1.92	2.39	3.02	.48	1.11
05:00	8.6	10.4	10.5	10.9	1.78	1.88	2.31	.10	.53
06:00	8.7	10.3	10.5	10.9	1.65	1.83	2.22	.18	.56
07:00	10.0	10.6	11.1	11.4	.60	1.10	1.43	.50	.83
08:00	13.3	13.1	12.9	12.9	-.21	-.40	-.43	-.19	-.22
09:00	16.1	15.5	15.3	15.1	-.51	-.78	-.92	-.27	-.41
10:00	18.7	17.7	17.3	17.2	-1.00	-1.34	-1.50	-.33	-.49
11:00	21.1	19.9	19.5	19.4	-1.21	-1.61	-1.76	-.40	-.55
12:00	23.0	21.9	21.6	21.4	-1.10	-1.44	-1.58	-.34	-.48
13:00	24.6	23.3	23.0	22.8	-1.33	-1.69	-1.83	-.36	-.50
14:00	25.6	24.4	24.0	23.9	-1.24	-1.64	-1.76	-.40	-.51
15:00	26.2	25.0	24.6	24.5	-1.25	-1.61	-1.75	-.36	-.50
16:00	26.6	25.6	25.3	25.1	-1.00	-1.39	-1.59	-.39	-.59
17:00	26.9	26.1	25.7	25.5	-.80	-1.15	-1.38	-.35	-.58
18:00	26.5	26.0	25.7	25.6	-.46	-.75	-.88	-.29	-.42
19:00	23.4	24.0	24.9	25.2	.58	1.53	1.84	.95	1.26
20:00	20.0	22.1	23.0	23.4	2.11	3.09	3.48	.98	1.37
21:00	17.5	20.2	20.8	21.3	2.67	3.29	3.78	.62	1.11
22:00	15.9	18.6	19.6	20.7	2.61	3.67	4.78	1.06	2.18
23:00	16.0	20.2	21.4	21.7	4.23	5.41	5.73	1.18	1.50
Avg	17.3	18.0	18.2	18.5	.66	.84	1.14	.18	.48
Max	26.9	26.1	25.7	25.6	4.23	5.41	5.73	1.18	2.18
Hr. of Max	17	17	18	18	23	23	23	23	22
Min	8.5	10.3	10.5	10.9	-1.33	-1.69	-1.83	-.40	-.59
Count	24	24	24	24	24	24	24	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

5/23/2015

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	7.5	7.2	8.5	20.7	82.5	70.8	7.9	7.8	0.006565
01:00	7.5	7.5	8.3	20.4	86.2	75.8	8.0	7.9	0.006569
02:00	7.4	7.7	8.0	20.2	89.4	80.2	7.9	8.0	0.006513
03:00	7.4	8.0	7.9	19.9	90.8	83.3	7.9	8.2	0.006506
04:00	7.2	8.1	7.7	19.6	92.7	86.8	7.8	8.3	0.006439
05:00	7.5	8.3	7.9	19.4	93.6	87.7	8.0	8.4	0.006555
06:00	7.5	8.5	7.9	19.1	93.7	89.7	8.0	8.5	0.006566
07:00	8.7	8.7	9.1	18.9	92.8	89.5	8.6	8.6	0.0071
08:00	10.1	9.5	11.2	18.7	81.9	79.8	9.4	9.0	0.007823
09:00	9.4	8.6	11.6	18.6	65.8	64.4	8.9	8.4	0.007472
10:00	8.8	8.2	12.1	18.7	53.6	54.7	8.5	8.2	0.007214
11:00	9.2	8.5	13.2	19.0	47.3	48.6	8.6	8.3	0.007398
12:00	9.8	9.4	14.2	19.6	43.9	45.7	9.0	8.7	0.007723
13:00	9.9	9.6	14.8	20.3	40.4	42.5	9.0	8.8	0.007836
14:00	9.8	9.5	15.1	21.1	37.8	39.9	8.9	8.8	0.00777
15:00	9.2	8.9	14.8	21.6	35.0	36.9	8.5	8.4	0.007461
16:00	8.3	7.8	14.4	21.9	32.3	32.9	8.1	7.8	0.007064
17:00	8.2	7.7	14.4	22.2	31.6	32.0	8.0	7.8	0.007023
18:00	8.9	8.6	14.8	22.4	34.0	34.0	8.4	8.2	0.007364
19:00	12.7	10.9	16.3	22.5	52.7	45.0	10.8	9.6	0.009423
20:00	13.0	11.4	15.3	22.6	65.3	51.9	11.1	10.0	0.009556
21:00	12.4	12.0	14.1	22.5	73.3	60.5	10.8	10.4	0.009204
22:00	12.2	12.2	13.4	22.3	79.6	67.8	10.7	10.6	0.009039
23:00	12.2	10.3	13.4	22.1	79.3	54.0	10.7	9.3	0.009025
Avg	9.4	9.0	12.0	20.6	65.6	60.6	8.9	8.7	0.00755
Max	13.0	12.2	16.3	22.6	93.7	89.7	11.1	10.6	0.009556
Hr. of Max	20	22	19	20	06	06	20	22	20
Min	7.2	7.2	7.7	18.6	31.6	32.0	7.8	7.8	0.006439
Count	24	24	24	24	24	24	24	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

5/23/2015

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	0.006463	10.4	10.2	.00	29.37	994.8	-2.2	.00	32.8
01:00	0.006569	10.4	10.4	.00	29.38	994.8	-2.1	.00	7.1
02:00	0.006662	10.3	10.5	.00	29.37	994.7	-2.7	.00	30.6
03:00	0.006779	10.3	10.7	.00	29.37	994.7	-2.5	.00	58.0
04:00	0.006857	10.2	10.9	.00	29.39	995.2	-1.8	.00	87.8
05:00	0.006922	10.4	11.0	.00	29.40	995.7	-2.1	.00	50.4
06:00	0.007024	10.4	11.1	.00	29.43	996.5	5.5	.01	64.7
07:00	0.00712	11.3	11.3	.00	29.46	997.5	94.0	.13	97.9
08:00	0.007517	12.4	11.9	.00	29.47	998.0	206.6	.30	56.9
09:00	0.007077	11.9	11.2	.00	29.48	998.5	469.8	.67	75.6
10:00	0.006905	11.4	11.0	.00	29.48	998.5	751.5	1.08	91.1
11:00	0.007059	11.7	11.2	.00	29.48	998.4	905.7	1.30	89.2
12:00	0.007505	12.2	11.9	.00	29.47	998.1	996.5	1.43	119.7
13:00	0.007617	12.4	12.1	.00	29.45	997.3	1029.0	1.48	150.6
14:00	0.007625	12.3	12.1	.00	29.44	996.8	1008.6	1.45	153.6
15:00	0.007306	11.8	11.6	.00	29.42	996.2	913.5	1.31	211.3
16:00	0.006784	11.2	10.7	.00	29.39	995.4	599.1	.86	203.1
17:00	0.006782	11.1	10.7	.00	29.38	994.9	552.1	.79	208.5
18:00	0.007175	11.6	11.3	.00	29.36	994.4	336.5	.48	108.1
19:00	0.00836	14.8	13.2	.00	29.35	994.1	94.0	.13	317.9
20:00	0.008645	15.0	13.6	.00	29.35	993.9	10.9	.02	336.5
21:00	0.008973	14.5	14.1	.00	29.36	994.1	-1.5	.00	307.1
22:00	0.009078	14.2	14.3	.00	29.37	994.7	-3.0	.00	266.2
23:00	0.008013	14.2	12.7	.00	29.38	994.9	-3.3	.00	246.9
Avg	0.007367	11.9	11.7	.00	29.41	995.9	331.3	.48	77.0
Max	0.009078	15.0	14.3	.00	29.48	998.5	1029.0	1.48	336.5
Hr. of Max	22	20	22	23	11	10	13	13	20
Min	0.006463	10.2	10.2	.00	29.35	993.9	-3.3	.00	7.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/23/2015

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	70.8	61.3	42.9	57.9	58.4	9.2	3.2	.7	2.4
01:00	73.9	56.9	8.9	53.7	24.0	9.3	3.2	.6	1.7
02:00	58.2	58.1	34.8	54.6	21.2	5.9	3.4	1.0	1.9
03:00	56.3	57.1	59.3	53.1	15.1	11.6	4.1	1.4	2.9
04:00	53.6	52.7	93.9	48.4	25.2	11.5	4.8	.7	2.2
05:00	61.3	56.0	51.6	52.3	12.9	8.7	4.1	1.0	1.9
06:00	55.0	57.7	69.9	54.0	20.8	8.2	5.1	1.0	2.4
07:00	43.1	55.0	118.3	51.0	69.9	11.3	6.7	.2	2.3
08:00	52.3	58.7	61.1	54.8	32.3	14.3	10.4	1.7	3.6
09:00	67.0	64.4	77.5	60.5	24.7	17.9	14.3	4.0	5.6
10:00	84.1	76.6	92.6	72.6	19.9	17.7	17.2	5.8	6.3
11:00	85.0	82.6	89.7	78.3	30.5	28.2	20.8	4.0	4.3
12:00	130.6	130.0	122.7	124.8	56.7	53.1	46.3	1.6	1.8
13:00	158.0	172.5	156.5	171.6	55.4	46.8	46.8	1.9	2.1
14:00	165.1	169.4	159.8	169.3	65.5	58.4	51.4	2.8	3.1
15:00	211.7	203.9	221.6	205.2	54.8	47.3	38.7	2.0	2.2
16:00	208.9	211.6	208.9	212.5	58.4	56.3	53.8	1.9	2.3
17:00	215.4	220.4	215.7	221.2	47.6	50.1	51.3	2.3	2.2
18:00	114.5	124.3	112.3	120.0	61.5	60.4	59.3	1.1	1.3
19:00	320.9	333.4	315.6	328.5	19.6	32.0	25.0	.7	.6
20:00	51.9	65.9	333.4	62.8	24.3	11.9	6.4	.8	2.0
21:00	56.8	67.2	303.2	65.8	32.7	44.2	20.4	.4	.8
22:00	232.2	195.1	267.6	200.2	36.5	21.6	41.5	1.4	2.5
23:00	216.7	201.4	245.9	202.8	32.2	12.8	10.0	1.5	4.0
Avg	88.0	91.0	84.0	86.0	37.5	27.0	22.8	.0	.0
Max	320.9	333.4	333.4	328.5	69.9	60.4	59.3	5.8	6.3
Hr. of Max	19	19	20	19	07	18	18	10	10
Min	43.1	52.7	8.9	48.4	12.9	5.9	3.2	.2	.6
Count	24	24	24	24	24	24	24	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

5/23/2015

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	5.3	.8	2.5	5.4	1.1	5.6	2.3	2.4	.05
01:00	4.5	.8	1.7	4.6	1.1	4.9	1.5	2.4	.03
02:00	4.3	1.0	1.9	4.3	1.3	4.6	2.0	1.6	.05
03:00	5.8	1.6	3.0	5.8	1.8	6.1	1.2	-.3	.00
04:00	5.1	.8	2.3	5.2	1.2	5.5	1.3	.0	.03
05:00	4.2	1.1	2.0	4.2	1.3	4.4	1.3	-.1	.02
06:00	4.7	1.1	2.5	4.7	1.3	5.0	1.1	-.3	.01
07:00	3.9	.4	2.3	3.9	.8	4.2	3.5	.0	.07
08:00	4.3	1.9	3.7	4.4	2.1	4.7	-.6	.0	-.13
09:00	6.9	4.4	6.0	7.2	4.9	7.7	-.4	2.6	-.13
10:00	6.6	6.1	6.6	6.9	6.7	7.4	-.7	2.9	-.17
11:00	4.6	4.3	4.6	4.8	4.9	5.4	-2.1	-4.5	-.17
12:00	1.9	3.7	4.1	4.2	4.4	4.9	-2.9	.9	-.23
13:00	2.5	3.4	3.4	3.7	4.0	4.5	3.7	-4.7	.28
14:00	3.7	4.4	4.5	5.0	5.2	5.8	1.8	3.0	.14
15:00	2.7	3.7	3.9	4.2	4.3	5.0	-3.3	-7.5	-.22
16:00	2.7	3.2	3.8	4.1	3.9	4.9	.2	-5.2	-.06
17:00	2.3	2.8	2.9	3.1	3.5	3.8	-.2	1.3	-.01
18:00	1.4	1.9	1.9	2.0	2.5	2.8	6.6	6.8	.38
19:00	.9	.8	1.0	1.1	1.1	1.5	1.9	-5.2	.01
20:00	3.0	.9	2.1	3.0	1.2	3.3	1.0	1.6	.02
21:00	1.5	.6	.9	1.6	.9	1.9	1.8	-.7	.03
22:00	3.5	1.6	2.6	3.7	2.0	4.1	.6	1.2	.00
23:00	5.9	1.8	4.3	6.2	2.1	6.5	2.1	-.8	.04
Avg	.0	2.2	3.1	4.3	2.7	4.8	1.0	-.1	.00
Max	6.9	6.1	6.6	7.2	6.7	7.7	6.6	6.8	.38
Hr. of Max	09	10	10	09	10	09	18	18	18
Min	.9	.4	.9	1.1	.8	1.5	-3.3	-7.5	-.23
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/23/2015

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	.23	3.0	4.8	11.0	3.3	8.3	9.9	1.9
01:00	.20	2.5	4.8	11.2	2.9	7.2	9.6	2.3
02:00	.12	2.3	3.2	6.6	2.5	5.8	6.8	2.1
03:00	-.04	3.2	5.7	8.0	3.4	8.6	8.1	2.3
04:00	.00	2.3	4.1	11.7	2.4	8.4	8.0	3.3
05:00	-.02	3.0	4.6	9.6	3.3	6.7	7.1	3.2
06:00	-.02	3.7	7.8	10.5	3.2	7.4	10.1	3.3
07:00	.00	2.3	4.8	6.2	3.0	6.2	14.3	3.9
08:00	-.06	5.5	8.2	9.2	6.8	9.5	21.3	9.8
09:00	.19	12.8	13.7	15.3	13.6	13.9	19.2	15.0
10:00	.24	14.0	16.3	20.2	13.1	13.5	14.3	15.7
11:00	-.39	16.3	15.3	16.0	11.4	11.2	20.3	22.6
12:00	-.08	12.1	11.9	14.7	13.2	15.3	25.2	26.8
13:00	-.32	16.5	16.9	15.3	11.6	12.3	26.8	30.6
14:00	.26	11.9	12.8	12.4	13.2	14.4	22.2	25.9
15:00	-.71	9.6	9.4	12.6	11.3	13.2	23.7	27.7
16:00	-.35	9.8	9.8	10.5	11.5	11.6	26.6	27.9
17:00	-.06	8.2	9.2	10.1	9.7	10.5	25.5	30.4
18:00	.56	6.2	6.6	6.4	6.4	7.2	27.3	34.2
19:00	-.17	2.1	2.7	3.0	2.5	3.3	17.0	15.6
20:00	.09	3.2	4.4	4.8	3.5	5.4	8.1	4.1
21:00	-.02	2.3	3.9	6.4	2.6	4.3	6.5	6.4
22:00	.11	8.9	11.2	16.0	10.1	16.5	10.5	8.6
23:00	-.17	10.1	11.7	18.1	9.6	13.7	13.6	7.3
Avg	-.02	7.2	8.5	11.1	7.3	9.8	15.9	13.8
Max	.56	16.5	16.9	20.2	13.6	16.5	27.3	34.2
Hr. of Max	18	13	13	10	09	22	18	18
Min	-.71	2.1	2.7	3.0	2.4	3.3	6.5	1.9
Count	24	24	24	24	24	24	24	24
Total								