Date Printed: 05/23/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/22/2015

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	10.6	11.2	11.6	11.7	.58	.98	1.10	.40	.52
01:00	9.5	10.3	11.0	11.3	.81	1.51	1.83	.70	1.02
02:00	8.7	9.7	10.5	10.9	1.01	1.88	2.22	.87	1.21
03:00	8.4	9.5	10.1	10.4	1.10	1.72	2.03	.63	.93
04:00	7.6	8.9	9.5	9.7	1.28	1.92	2.15	.64	.87
05:00	6.7	7.9	8.6	9.0	1.26	1.93	2.38	.67	1.12
06:00	6.0	7.2	8.2	8.8	1.21	2.12	2.76	.91	1.55
07:00	7.6	8.3	8.9	9.2	.75	1.35	1.60	.59	.85
08:00	11.7	11.4	11.2	11.1	-.25	-.51	-.62	-.26	-.37
09:00	14.1	13.4	13.0	12.8	-.70	-1.05	-1.29	-.35	-.59
10:00	15.4	14.5	14.1	13.8	-.91	-1.35	-1.60	-.44	-.69
11:00	17.3	16.2	15.7	15.3	-1.09	-1.60	-1.91	-.52	-.82
12:00	18.5	17.4	17.0	16.8	-1.03	-1.44	-1.68	-.41	-.64
13:00	19.9	18.7	18.2	17.9	-1.11	-1.67	-1.94	-.57	-.83
14:00	21.0	19.9	19.4	19.2	-1.17	-1.61	-1.88	-.44	-.70
15:00	21.9	20.9	20.5	20.2	-1.05	-1.44	-1.71	-.38	-.66
16:00	22.6	21.5	21.1	20.9	-1.05	-1.48	-1.64	-.43	-.60
17:00	22.8	22.0	21.6	21.4	-.81	-1.15	-1.34	-.34	-.52
18:00	22.5	22.0	21.7	21.5	-.48	-.78	-.94	-.31	-.46
19:00	20.1	21.2	21.2	21.2	1.08	1.07	1.07	-.02	-.01
20:00	16.4	19.2	19.6	19.9	2.81	3.21	3.44	.40	.64
21:00	13.9	17.0	17.3	18.4	3.11	3.37	4.54	.26	1.43
22:00	12.5	15.0	15.7	17.7	2.51	3.19	5.17	.68	2.66
23:00	11.4	13.7	14.1	15.6	2.33	2.65	4.23	.31	1.90
Avg	14.5	14.9	15.0	15.2	.42	.53	.75	.11	.33
Max	22.8	22.0	21.7	21.5	3.11	3.37	5.17	.91	2.66
Hr. of Max	17	18	18	18	21	21	22	06	22
Min	6.0	7.2	8.2	8.8	-1.17	-1.67	-1.94	-.57	-.83
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)

5/22/2015

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	8.8	8.5	9.4	21.5	90.0	84.5	8.7	8.5	0.00722
01:00	8.1	7.5	8.6	21.2	92.0	83.8	8.3	8.0	0.006873
02:00	7.5	7.2	7.9	20.9	93.4	85.8	8.0	7.8	0.006584
03:00	7.1	6.7	7.5	20.6	92.7	84.0	7.8	7.6	0.006412
04:00	6.5	6.6	6.9	20.3	93.8	86.4	7.5	7.5	0.006145
05:00	5.7	6.5	6.0	20.0	94.5	91.4	7.1	7.5	0.005804
06:00	5.1	6.1	5.4	19.6	94.7	93.4	6.8	7.3	0.005573
07:00	6.6	6.2	6.9	19.3	94.5	87.6	7.5	7.3	0.006177
08:00	7.3	6.2	8.8	19.0	75.6	71.2	7.8	7.3	0.006493
09:00	6.4	5.5	9.0	18.8	60.8	59.7	7.3	6.9	0.00611
10:00	6.1	5.3	9.2	18.7	54.4	54.7	7.1	6.8	0.005977
11:00	5.8	4.9	9.6	19.0	47.8	48.1	7.0	6.6	0.005896
12:00	4.7	4.0	9.3	19.5	40.9	41.6	6.4	6.1	0.005455
13:00	3.9	3.3	9.2	20.1	35.6	36.5	6.1	5.8	0.005187
14:00	3.2	2.5	9.2	20.8	31.7	32.4	5.8	5.5	0.004961
15:00	3.3	2.7	9.5	21.1	30.2	30.8	5.8	5.6	0.004994
16:00	4.4	3.7	10.4	21.2	31.3	31.7	6.2	5.9	0.00538
17:00	4.3	3.6	10.4	21.4	30.7	30.8	6.2	5.9	0.005347
18:00	4.6	4.2	10.5	21.6	31.9	32.0	6.3	6.2	0.005453
19:00	7.1	5.3	11.4	21.6	44.2	36.1	7.6	6.6	0.006466
20:00	9.5	6.5	11.8	21.6	64.7	44.3	8.9	7.3	0.007555
21:00	9.0	7.1	10.6	21.4	73.2	53.0	8.7	7.6	0.007283
22:00	8.4	7.4	9.8	21.2	77.1	61.1	8.4	7.8	0.006994
23:00	7.9	7.2	9.1	21.0	79.9	65.3	8.1	7.7	0.006751
Avg	6.3	5.6	9.0	20.5	64.8	59.4	7.3	7.0	0.006129
Max	9.5	8.5	11.8	21.6	94.7	93.4	8.9	8.5	0.007555
Hr. of Max	20	00	20	20	06	06	20	00	20
Min	3.2	2.5	5.4	18.7	30.2	30.8	5.8	5.5	0.004961
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)

5/22/2015

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	0.007056	11.4	11.1	.00	29.25	990.5	-1.3	.00	350.2
01:00	0.006607	10.8	10.4	.00	29.25	990.5	-2.4	.00	10.5
02:00	0.00647	10.4	10.2	.00	29.25	990.7	-2.3	.00	351.2
03:00	0.006257	10.1	9.9	.00	29.25	990.7	-2.0	.00	16.8
04:00	0.006173	9.7	9.7	.00	29.26	990.8	-2.5	.00	29.9
05:00	0.006124	9.2	9.7	.00	29.27	991.4	-2.9	.00	283.4
06:00	0.005973	8.8	9.4	.00	29.29	992.0	6.2	.01	336.0
07:00	0.006014	9.8	9.5	.00	29.32	992.9	115.3	.17	12.5
08:00	0.00602	10.3	9.5	.00	29.34	993.7	386.9	.55	78.0
09:00	0.005737	9.7	9.1	.00	29.36	994.2	593.7	.85	78.0
10:00	0.005661	9.5	9.0	.00	29.37	994.6	783.7	1.12	60.0
11:00	0.005533	9.3	8.8	.00	29.38	994.9	928.5	1.33	64.1
12:00	0.005202	8.6	8.2	.00	29.36	994.4	1025.5	1.47	73.7
13:00	0.004956	8.2	7.9	.00	29.34	993.7	1002.1	1.44	37.5
14:00	0.004714	7.9	7.5	.00	29.33	993.4	1028.6	1.47	75.7
15:00	0.004781	7.9	7.6	.00	29.33	993.1	947.3	1.36	47.9
16:00	0.005103	8.5	8.1	.00	29.32	992.9	601.4	.86	60.1
17:00	0.005095	8.5	8.1	.00	29.31	992.7	502.1	.72	87.9
18:00	0.005306	8.6	8.4	.00	29.32	992.9	349.9	.50	41.4
19:00	0.005701	10.2	9.0	.00	29.32	993.1	155.3	.22	40.0
20:00	0.006185	11.9	9.8	.00	29.34	993.6	11.8	.02	17.9
21:00	0.006425	11.5	10.2	.00	29.36	994.1	-1.6	.00	42.4
22:00	0.006524	11.1	10.3	.00	29.37	994.6	-1.4	.00	37.3
23:00	0.006432	10.7	10.2	.00	29.38	994.9	-1.8	.00	12.4
Avg	0.005835	9.7	9.2	.00	29.32	992.9	350.8	.50	36.0
Max	0.007056	11.9	11.1	.00	29.38	994.9	1028.6	1.47	351.2
Hr. of Max	00	20	00	23	23	23	14	14	02
Min	0.004714	7.9	7.5	.00	29.25	990.5	-2.9	.00	10.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/22/2015

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	10.3	14.1	349.7	8.5	18.0	9.6	11.0	1.5	3.6
01:00	17.2	24.2	12.4	17.3	39.0	8.4	5.6	1.1	5.2
02:00	16.0	25.8	351.7	19.1	21.8	6.1	4.5	1.6	6.1
03:00	18.3	26.6	19.7	20.0	32.1	7.2	6.0	1.6	6.7
04:00	31.2	37.0	33.6	31.2	30.8	9.2	8.4	1.1	3.9
05:00	48.6	46.7	275.5	42.2	30.8	20.9	13.1	.2	1.5
06:00	39.8	59.6	327.7	54.2	55.4	17.4	13.5	.4	1.6
07:00	55.8	57.8	305.9	54.2	76.4	19.4	8.8	.1	1.8
08:00	72.8	63.1	82.5	59.2	36.7	25.3	16.3	2.4	3.6
09:00	67.9	63.8	79.1	59.8	25.7	22.2	17.9	5.9	7.3
10:00	57.1	54.9	61.6	50.6	33.6	22.2	16.2	4.7	6.9
11:00	59.9	58.4	66.7	53.9	40.1	26.9	22.1	4.6	6.4
12:00	64.7	59.7	73.3	55.5	32.8	27.9	24.8	4.8	6.0
13:00	38.7	36.6	38.1	32.5	44.4	27.1	22.0	3.9	6.6
14:00	69.8	63.0	80.4	59.4	37.2	36.8	36.4	4.6	5.3
15:00	48.0	43.2	50.7	38.9	50.9	39.4	33.8	2.9	4.4
16:00	39.7	32.1	57.8	28.0	65.1	55.2	43.8	2.4	3.5
17:00	75.2	67.1	95.7	62.0	53.3	45.3	45.5	2.5	3.1
18:00	38.9	37.3	38.1	32.7	41.9	31.8	31.4	2.2	3.6
19:00	57.9	67.6	40.1	63.2	28.2	18.7	15.9	2.2	4.1
20:00	53.0	66.3	18.4	62.6	12.3	9.2	5.2	1.7	3.4
21:00	73.1	48.6	46.0	43.7	21.8	5.5	6.4	1.2	2.7
22:00	64.3	57.0	40.3	53.0	23.7	8.9	4.3	1.1	2.7
23:00	72.0	62.2	14.4	58.6	31.5	10.4	3.2	.6	1.9
Avg	49.0	49.0	35.0	44.0	36.8	21.3	17.3	.0	.0
Max	75.2	67.6	351.7	63.2	76.4	55.2	45.5	5.9	7.3
Hr. of Max	17	19	02	19	07	16	17	09	09
Min	10.3	14.1	12.4	8.5	12.3	5.5	3.2	.1	1.5
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)

5/22/2015

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	4.9	1.6	3.7	5.0	1.9	5.4	-2.6	-2.1	-.14
01:00	7.2	1.4	5.3	7.3	1.7	7.6	.3	2.1	-.03
02:00	8.3	1.7	6.1	8.4	1.9	8.8	-.1	.5	-.05
03:00	8.9	1.8	6.8	9.0	2.1	9.4	2.4	.1	-.01
04:00	5.5	1.3	4.0	5.6	1.6	6.0	-.9	.8	-.06
05:00	3.0	.4	1.6	3.1	.8	3.6	-1.7	1.6	-.04
06:00	2.8	.6	1.8	2.9	.9	3.3	.0	-.3	.01
07:00	3.6	.3	1.9	3.6	.7	4.0	5.6	-.2	.10
08:00	5.0	2.7	3.9	5.3	3.5	5.8	3.7	4.9	.10
09:00	9.4	6.4	7.8	9.8	7.3	10.4	-.4	2.9	-.18
10:00	8.3	5.5	7.4	8.7	6.0	9.3	-2.9	-2.8	-.51
11:00	7.8	5.6	7.2	8.4	6.3	9.0	1.8	-.5	-.04
12:00	6.8	5.7	6.9	7.6	6.3	8.4	-2.0	1.9	-.37
13:00	7.9	5.0	7.4	8.5	5.8	9.2	-2.1	-1.9	-.57
14:00	6.0	5.3	6.2	6.8	6.0	7.5	-1.1	3.9	-.25
15:00	5.6	4.5	5.8	6.6	5.3	7.3	-1.3	1.4	-.27
16:00	4.3	3.7	4.9	5.5	4.4	6.1	-2.9	-2.7	-.34
17:00	3.1	3.5	4.0	4.3	4.2	5.0	4.3	1.1	.19
18:00	4.1	3.1	4.3	4.8	3.7	5.3	-2.3	-.5	-.28
19:00	4.8	2.6	4.4	5.1	3.0	5.5	-2.0	2.1	-.18
20:00	4.6	1.8	3.5	4.6	2.0	4.8	-.6	.4	-.04
21:00	3.9	1.2	2.7	4.0	1.5	4.3	2.7	.5	.06
22:00	4.7	1.3	2.7	4.7	1.6	5.0	2.2	1.5	.05
23:00	5.0	.7	1.9	5.0	1.0	5.3	2.1	1.6	.05
Avg	.0	2.8	4.7	6.0	3.3	6.5	.1	.7	-.12
Max	9.4	6.4	7.8	9.8	7.3	10.4	5.6	4.9	.19
Hr. of Max	09	09	09	09	09	09	07	08	17
Min	2.8	.3	1.6	2.9	.7	3.3	-2.9	-2.8	-.57
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/22/2015

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	-.15	6.2	7.3	9.4	6.2	10.1	13.0	6.0
01:00	.25	4.6	8.9	15.8	5.6	10.6	16.0	4.5
02:00	.07	5.3	12.6	14.9	5.4	12.3	16.8	3.4
03:00	-.02	7.6	17.6	21.1	7.3	14.3	21.3	4.2
04:00	.08	3.2	15.1	20.6	3.9	12.3	13.7	4.6
05:00	.11	3.0	8.5	11.9	2.8	9.3	11.7	7.3
06:00	.04	3.0	4.6	6.6	3.1	7.3	9.7	8.9
07:00	-.02	1.6	5.3	9.8	2.0	7.2	15.0	6.8
08:00	.38	10.8	10.8	13.1	12.4	13.4	24.1	14.6
09:00	.20	15.6	16.5	18.5	17.6	18.9	17.6	14.4
10:00	-.54	14.4	16.9	19.0	16.7	17.3	21.3	13.6
11:00	-.21	14.2	17.2	16.9	17.3	17.3	22.3	15.4
12:00	.08	16.0	18.3	18.1	16.5	17.7	21.3	20.1
13:00	-.49	13.5	30.7	19.7	15.3	18.2	23.4	16.4
14:00	.32	14.2	15.8	16.3	13.9	16.9	20.9	20.4
15:00	.00	11.7	14.4	16.7	13.7	17.9	23.3	21.2
16:00	-.32	11.7	14.9	14.7	13.4	16.6	24.2	22.4
17:00	-.04	10.1	12.4	11.9	11.6	12.4	24.5	26.4
18:00	-.12	11.4	11.4	11.2	10.7	11.9	25.3	21.4
19:00	.10	9.4	12.6	12.4	8.3	10.0	17.4	12.6
20:00	.03	5.3	8.5	8.9	4.6	9.1	7.6	4.0
21:00	.03	3.7	4.8	8.5	3.0	6.0	7.1	2.4
22:00	.13	3.0	5.0	6.4	3.3	6.9	8.7	1.9
23:00	.15	2.5	4.4	12.6	2.5	7.7	8.7	2.0
Avg	.00	8.4	12.3	14.0	9.0	12.6	17.3	11.5
Max	.38	16.0	30.7	21.1	17.6	18.9	25.3	26.4
Hr. of Max	08	12	13	03	09	09	18	17
Min	-.54	1.6	4.4	6.4	2.0	6.0	7.1	1.9
Count	24	24	24	24	24	24	24	24
Total								