Date Printed: 10/23/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/22/2014

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	8.6	10.5	10.9	11.2	1.87	2.31	2.62	.45	.75
01:00	7.3	9.9	10.5	10.7	2.66	3.17	3.38	.51	.73
02:00	7.2	9.6	10.0	10.3	2.48	2.89	3.14	.41	.66
03:00	6.0	7.8	8.9	9.4	1.81	2.94	3.45	1.12	1.63
04:00	4.9	6.7	7.4	8.7	1.84	2.51	3.88	.66	2.03
05:00	4.4	6.6	7.9	8.7	2.17	3.45	4.27	1.28	2.10
06:00	4.1	7.3	8.2	8.7	3.16	4.06	4.56	.89	1.39
07:00	3.8	6.3	7.0	7.6	2.49	3.20	3.79	.71	1.30
08:00	5.4	6.9	7.6	8.1	1.52	2.25	2.70	.73	1.18
09:00	9.9	9.7	9.5	9.3	-.20	-.44	-.58	-.23	-.38
10:00	10.8	10.2	9.8	9.6	-.59	-1.01	-1.23	-.42	-.64
11:00	11.9	11.1	10.7	10.4	-.77	-1.26	-1.55	-.48	-.77
12:00	13.2	12.3	11.8	11.5	-.96	-1.47	-1.77	-.52	-.82
13:00	14.3	13.2	12.7	12.4	-1.03	-1.57	-1.87	-.54	-.83
14:00	15.2	14.3	13.8	13.5	-.95	-1.43	-1.70	-.47	-.75
15:00	16.1	15.2	14.7	14.4	-.91	-1.36	-1.66	-.45	-.74
16:00	16.2	15.6	15.2	15.0	-.66	-1.06	-1.26	-.40	-.60
17:00	15.5	15.1	14.9	14.7	-.36	-.65	-.81	-.28	-.44
18:00	13.3	13.4	13.2	13.2	.10	-.04	-.09	-.14	-.20
19:00	11.0	11.1	11.0	11.0	.19	.08	.04	-.11	-.15
20:00	9.5	9.8	9.7	9.7	.27	.20	.19	-.08	-.09
21:00	8.4	8.9	8.9	9.0	.51	.58	.65	.07	.15
22:00	7.1	8.3	8.5	8.6	1.18	1.40	1.54	.22	.36
23:00	6.0	7.5	7.6	7.9	1.51	1.67	1.94	.16	.43
Avg	9.6	10.3	10.4	10.6	.72	.85	.98	.13	.26
Max	16.2	15.6	15.2	15.0	3.16	4.06	4.56	1.28	2.10
Hr. of Max	16	16	16	16	06	06	06	05	05
Min	3.8	6.3	7.0	7.6	-1.03	-1.57	-1.87	-.54	-.83
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/22/2014

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	5.0	4.3	6.2	16.0	78.9	66.4	6.7	6.4	0.005554
01:00	4.8	3.9	5.6	15.7	85.1	66.8	6.7	6.2	0.005477
02:00	4.6	3.6	5.4	15.5	84.4	66.5	6.6	6.1	0.005385
03:00	4.0	3.9	4.7	15.3	88.1	77.2	6.3	6.2	0.005182
04:00	3.5	4.1	4.0	15.0	91.5	84.2	6.1	6.4	0.00498
05:00	3.2	4.4	3.6	14.8	92.5	86.5	6.0	6.5	0.004878
06:00	3.0	4.4	3.4	14.6	92.8	82.6	5.9	6.5	0.004791
07:00	2.7	4.4	3.1	14.3	93.1	88.4	5.8	6.5	0.004702
08:00	3.7	4.0	4.3	14.1	90.1	82.9	6.2	6.3	0.00507
09:00	3.8	3.1	5.8	13.9	66.5	64.0	6.2	5.9	0.00509
10:00	3.4	3.0	5.9	13.9	60.9	61.2	6.0	5.8	0.00496
11:00	3.2	2.8	6.1	14.1	56.0	57.2	5.9	5.7	0.004899
12:00	2.3	1.8	5.9	14.2	48.0	49.5	5.5	5.3	0.004591
13:00	2.6	2.2	6.5	14.4	45.9	47.8	5.6	5.5	0.004692
14:00	2.9	2.5	7.0	14.9	44.1	45.8	5.7	5.6	0.0048
15:00	3.2	2.8	7.5	15.4	42.8	44.2	5.8	5.7	0.004922
16:00	3.4	3.2	7.7	15.7	43.1	44.1	5.9	5.8	0.004998
17:00	4.0	3.9	7.8	15.8	46.9	47.6	6.2	6.1	0.005198
18:00	4.4	4.2	7.3	15.9	55.6	54.7	6.4	6.3	0.00532
19:00	4.2	4.1	6.4	15.9	63.7	62.7	6.3	6.3	0.005232
20:00	3.9	3.8	5.7	15.7	68.7	67.3	6.2	6.2	0.005109
21:00	3.8	3.8	5.3	15.5	73.8	71.2	6.2	6.2	0.005093
22:00	3.9	4.0	5.0	15.3	80.8	75.1	6.2	6.3	0.005107
23:00	3.7	4.1	4.5	15.1	86.3	79.9	6.2	6.3	0.005047
Avg	3.6	3.6	5.6	15.0	70.0	65.6	6.1	6.1	0.005045
Max	5.0	4.4	7.8	16.0	93.1	88.4	6.7	6.5	0.005554
Hr. of Max	00	07	17	00	07	07	01	07	00
Min	2.3	1.8	3.1	13.9	42.8	44.1	5.5	5.3	0.004591
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)

10/22/2014

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	0.005306	8.7	8.4	.00	29.19	988.6	-1.3	.00	25.4
01:00	0.005153	8.6	8.1	.00	29.19	988.4	-2.2	.00	13.7
02:00	0.005025	8.5	7.9	.00	29.18	988.3	-2.0	.00	10.6
03:00	0.005131	8.2	8.1	.00	29.19	988.5	-2.4	.00	327.2
04:00	0.005208	7.9	8.2	.00	29.20	988.9	-2.1	.00	9.3
05:00	0.005305	7.7	8.4	.00	29.22	989.6	-2.2	.00	54.6
06:00	0.005315	7.6	8.4	.00	29.24	990.1	-2.4	.00	78.6
07:00	0.005314	7.4	8.4	.00	29.25	990.7	-.6	.00	325.9
08:00	0.005161	8.0	8.2	.00	29.27	991.2	103.6	.15	47.8
09:00	0.004839	8.0	7.7	.00	29.29	991.8	309.2	.44	56.3
10:00	0.004798	7.8	7.6	.00	29.30	992.3	464.6	.67	60.1
11:00	0.004755	7.8	7.5	.00	29.31	992.7	612.5	.88	50.7
12:00	0.004439	7.3	7.0	.00	29.32	992.8	712.3	1.02	44.1
13:00	0.004561	7.4	7.2	.00	29.29	992.0	735.4	1.05	62.4
14:00	0.004687	7.6	7.4	.00	29.27	991.2	702.9	1.01	80.2
15:00	0.004791	7.8	7.6	.00	29.25	990.7	602.5	.86	78.1
16:00	0.004908	7.9	7.8	.00	29.25	990.6	436.8	.63	71.9
17:00	0.005147	8.2	8.1	.00	29.25	990.5	245.3	.35	58.8
18:00	0.005275	8.4	8.3	.00	29.26	990.9	37.7	.05	52.3
19:00	0.005214	8.3	8.2	.00	29.28	991.5	-1.5	.00	49.5
20:00	0.005098	8.1	8.1	.00	29.30	992.2	-2.5	.00	47.5
21:00	0.005084	8.1	8.0	.00	29.31	992.4	-1.5	.00	41.9
22:00	0.00515	8.1	8.2	.00	29.31	992.6	-2.1	.00	51.7
23:00	0.005186	8.0	8.2	.00	29.31	992.5	-2.5	.00	53.6
Avg	0.005035	8.0	8.0	.00	29.26	990.9	205.7	.30	44.0
Max	0.005315	8.7	8.4	.00	29.32	992.8	735.4	1.05	327.2
Hr. of Max	06	00	07	23	12	12	13	13	03
Min	0.004439	7.3	7.0	.00	29.18	988.3	-2.5	.00	9.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/22/2014

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	32.7	37.9	34.0	33.2	21.7	8.9	6.2	2.2	6.4
01:00	22.6	26.3	23.4	21.1	26.9	8.6	7.5	2.2	6.7
02:00	18.1	21.7	19.9	16.4	21.3	8.6	7.2	2.7	6.9
03:00	12.5	16.0	333.4	10.2	38.0	12.8	6.5	.8	4.6
04:00	58.7	18.3	17.8	12.8	52.6	24.0	10.6	.4	1.6
05:00	42.0	33.4	65.7	28.6	44.6	12.0	7.8	.8	3.8
06:00	20.3	29.0	89.4	24.1	41.9	16.9	8.6	.5	3.3
07:00	54.6	22.4	313.5	18.9	57.9	38.8	19.1	.1	.3
08:00	36.7	30.1	55.4	25.5	32.6	19.5	11.2	1.8	4.7
09:00	45.7	42.7	63.4	39.3	32.7	22.2	15.5	4.4	7.9
10:00	52.4	49.8	67.4	46.6	33.7	20.3	14.5	6.2	10.9
11:00	45.5	40.9	57.4	37.8	42.3	24.2	18.1	4.7	8.5
12:00	41.6	39.1	50.2	36.1	42.6	28.0	23.8	5.0	8.5
13:00	57.7	50.6	68.0	48.1	35.5	27.2	21.7	4.8	7.2
14:00	71.2	66.5	86.4	63.4	28.4	25.3	19.8	6.2	7.5
15:00	72.2	66.3	84.7	63.6	28.6	22.6	17.4	5.7	7.3
16:00	66.7	62.6	79.0	59.9	28.9	25.0	19.7	5.6	7.7
17:00	54.6	52.0	65.8	48.5	36.1	21.8	13.6	4.5	9.5
18:00	47.2	46.6	60.7	43.0	34.7	17.4	10.6	4.9	10.7
19:00	45.1	43.7	56.0	39.0	32.2	14.2	10.0	5.6	11.9
20:00	43.8	43.1	53.9	37.7	33.5	15.6	10.5	4.1	8.9
21:00	43.0	43.4	50.3	37.9	25.5	12.7	8.2	2.4	6.0
22:00	60.5	54.4	59.5	49.9	13.0	6.1	4.8	2.2	4.9
23:00	66.1	57.5	59.3	53.2	14.6	8.2	6.3	1.7	3.5
Avg	46.0	41.0	52.0	37.0	33.3	18.4	12.5	.0	.0
Max	72.2	66.5	333.4	63.6	57.9	38.8	23.8	6.2	11.9
Hr. of Max	15	14	03	15	07	07	12	14	19
Min	12.5	16.0	17.8	10.2	13.0	6.1	4.8	.1	.3
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)

10/22/2014

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	9.3	2.4	6.5	9.4	2.6	9.9	-4.0	-.9	-.26
01:00	9.2	2.4	6.7	9.3	2.9	9.8	-2.9	-.2	-.26
02:00	9.5	2.9	7.0	9.6	3.4	10.0	-3.3	-.2	-.31
03:00	6.9	.9	4.7	7.0	1.4	7.4	1.2	3.3	-.01
04:00	5.3	.6	2.0	5.4	1.0	5.8	2.3	4.2	.06
05:00	6.8	1.0	4.1	6.9	1.4	7.4	3.5	1.3	.09
06:00	6.1	.7	3.4	6.2	1.3	6.6	4.2	2.0	.07
07:00	2.4	.3	.5	2.6	.7	3.0	3.4	.5	.05
08:00	7.2	2.3	5.0	7.3	2.7	7.9	1.3	1.4	-.06
09:00	10.0	5.1	8.4	10.3	5.9	11.1	-.8	-.4	-.40
10:00	13.8	7.0	11.4	14.1	8.0	14.9	-.6	-.1	-.54
11:00	10.4	5.8	9.0	10.8	6.8	11.6	1.4	1.6	-.23
12:00	10.1	6.4	9.3	10.8	7.1	11.6	-1.2	2.3	-.44
13:00	8.5	5.8	8.1	9.2	6.6	10.0	1.5	3.0	-.05
14:00	9.0	6.7	8.1	9.5	7.7	10.2	1.7	2.5	.06
15:00	9.1	6.2	7.8	9.4	7.1	10.1	1.7	1.9	-.01
16:00	9.5	6.2	8.4	10.0	7.3	10.8	.9	3.4	-.05
17:00	12.8	5.1	10.0	13.1	5.8	13.8	2.5	.6	-.05
18:00	14.1	5.5	11.1	14.4	6.3	15.1	1.1	-.4	-.33
19:00	15.0	6.2	12.2	15.2	6.7	15.9	-.2	-1.0	-.35
20:00	11.7	4.6	9.2	11.9	5.3	12.6	.0	-.7	-.35
21:00	8.2	2.6	6.2	8.3	3.0	8.9	-.6	-1.0	-.19
22:00	5.9	2.3	4.9	5.9	2.6	6.4	-4.8	-2.0	-.27
23:00	4.6	1.8	3.5	4.6	2.1	5.1	-1.6	-1.5	-.10
Avg	.0	3.8	7.0	9.2	4.4	9.8	.3	.8	-.16
Max	15.0	7.0	12.2	15.2	8.0	15.9	4.2	4.2	.09
Hr. of Max	19	10	19	19	10	19	06	04	05
Min	2.4	.3	.5	2.6	.7	3.0	-4.8	-2.0	-.54
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/22/2014

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	-.19	6.2	12.1	18.3	7.1	14.0	15.1	4.5
01:00	-.09	9.4	17.6	22.9	8.2	16.8	17.6	6.2
02:00	-.08	8.2	15.1	24.3	9.4	15.4	13.3	5.1
03:00	.39	5.7	11.9	19.2	5.4	11.1	15.0	4.5
04:00	.42	2.3	8.2	11.2	2.9	11.8	10.1	5.5
05:00	.13	5.7	9.2	13.1	5.5	13.8	13.1	5.7
06:00	.17	4.4	10.5	24.5	5.8	13.1	16.1	6.7
07:00	.05	1.6	3.2	9.4	2.0	7.3	11.1	9.6
08:00	.08	11.7	16.5	18.8	14.8	19.4	13.3	8.3
09:00	-.34	16.9	21.5	21.5	19.2	23.0	21.9	12.8
10:00	-.29	21.5	25.2	24.3	22.1	25.0	22.1	12.4
11:00	-.04	17.2	22.9	33.2	17.9	24.3	22.8	15.4
12:00	.00	17.9	22.0	21.1	20.0	22.4	22.0	17.1
13:00	.21	14.7	16.5	18.1	16.2	17.8	21.2	16.2
14:00	.27	18.1	18.8	18.8	18.3	19.8	18.6	14.3
15:00	.10	14.7	17.6	18.5	16.1	19.7	18.8	15.5
16:00	.35	24.0	27.5	23.8	19.7	20.2	18.8	14.5
17:00	-.07	14.7	22.2	24.3	17.5	22.5	23.8	10.1
18:00	-.28	16.7	31.1	37.1	18.3	25.6	23.5	8.6
19:00	-.41	19.0	24.7	35.5	21.4	27.6	22.5	8.0
20:00	-.27	16.0	18.1	20.2	17.1	21.4	22.7	8.5
21:00	-.20	8.5	14.0	18.5	9.6	15.1	18.8	6.4
22:00	-.24	5.0	15.8	17.9	5.4	11.2	9.9	3.5
23:00	-.14	3.9	9.6	10.1	4.5	7.0	9.2	2.7
Avg	-.02	11.8	17.2	21.0	12.7	17.7	17.6	9.3
Max	.42	24.0	31.1	37.1	22.1	27.6	23.8	17.1
Hr. of Max	04	16	18	18	10	19	17	12
Min	-.41	1.6	3.2	9.4	2.0	7.0	9.2	2.7
Count	24	24	24	24	24	24	24	24
Total								