Date Printed: 09/18/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/17/2014

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	15.8	16.4	16.9	17.2	.65	1.10	1.41	.45	.76
01:00	15.1	16.0	16.4	16.6	.91	1.33	1.52	.42	.61
02:00	14.4	15.4	15.9	16.3	1.04	1.49	1.93	.46	.89
03:00	13.9	15.0	15.2	15.6	1.05	1.27	1.69	.22	.64
04:00	13.3	14.5	14.8	15.2	1.20	1.52	1.89	.32	.69
05:00	13.0	14.0	14.2	14.4	.96	1.23	1.37	.27	.41
06:00	13.3	13.7	13.7	13.8	.42	.46	.52	.05	.10
07:00	14.1	13.8	13.7	13.7	-.24	-.37	-.35	-.13	-.11
08:00	14.5	14.1	13.9	13.9	-.41	-.58	-.64	-.18	-.23
09:00	16.0	15.5	15.2	15.1	-.54	-.82	-.93	-.28	-.39
10:00	18.1	17.4	17.1	17.0	-.75	-1.01	-1.13	-.27	-.39
11:00	20.1	19.1	18.8	18.6	-1.00	-1.32	-1.46	-.31	-.46
12:00	21.7	20.5	20.2	20.0	-1.22	-1.54	-1.68	-.32	-.46
13:00	22.6	21.4	21.0	20.9	-1.20	-1.57	-1.67	-.37	-.46
14:00	23.6	22.3	22.0	21.9	-1.23	-1.55	-1.68	-.31	-.45
15:00	24.1	23.0	22.6	22.5	-1.17	-1.55	-1.65	-.38	-.48
16:00	24.6	23.6	23.3	23.2	-.99	-1.30	-1.40	-.31	-.41
17:00	24.2	23.6	23.3	23.2	-.66	-.99	-1.07	-.33	-.42
18:00	22.1	22.0	22.1	22.3	-.08	.05	.27	.14	.35
19:00	18.4	19.1	20.4	21.0	.72	1.97	2.59	1.25	1.87
20:00	16.7	19.0	19.6	19.9	2.31	2.93	3.22	.62	.91
21:00	15.6	17.0	17.8	18.2	1.37	2.21	2.58	.84	1.20
22:00	15.0	16.0	16.5	17.1	1.01	1.50	2.14	.49	1.13
23:00	14.7	15.7	16.2	16.8	1.00	1.55	2.17	.55	1.17
Avg	17.7	17.8	18.0	18.1	.13	.25	.40	.12	.27
Max	24.6	23.6	23.3	23.2	2.31	2.93	3.22	1.25	1.87
Hr. of Max	16	17	17	17	20	20	20	19	19
Min	13.0	13.7	13.7	13.7	-1.23	-1.57	-1.68	-.38	-.48
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/17/2014

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	14.5	15.4	15.0	24.0	93.9	95.2	12.4	13.1	0.010639
01:00	13.9	15.0	14.3	23.7	93.9	95.6	11.9	12.8	0.010186
02:00	13.2	14.5	13.6	23.4	94.0	96.1	11.5	12.5	0.009743
03:00	12.8	14.1	13.2	23.1	94.3	96.1	11.2	12.1	0.009477
04:00	12.2	13.6	12.5	22.9	94.3	95.8	10.7	11.7	0.009091
05:00	11.9	13.0	12.3	22.6	94.5	95.2	10.6	11.3	0.008964
06:00	12.2	12.8	12.5	22.4	94.6	96.0	10.8	11.2	0.009112
07:00	13.1	13.0	13.4	22.1	95.4	96.6	11.4	11.4	0.009674
08:00	13.1	13.0	13.6	22.0	92.6	94.3	11.4	11.3	0.00966
09:00	12.7	12.5	13.8	21.8	81.9	83.9	11.0	10.9	0.009411
10:00	12.5	11.9	14.4	21.9	71.0	71.3	10.8	10.4	0.009332
11:00	11.9	11.5	14.6	22.1	60.7	62.6	10.4	10.1	0.009012
12:00	11.8	11.4	15.1	22.5	54.3	57.1	10.2	10.0	0.008931
13:00	11.5	11.3	15.2	23.1	50.7	53.7	10.1	9.9	0.008791
14:00	11.1	11.0	15.3	23.8	46.5	49.7	9.8	9.7	0.008574
15:00	11.5	11.3	15.7	24.4	46.3	48.7	10.0	9.9	0.008832
16:00	11.2	10.9	15.7	24.8	44.0	45.8	9.8	9.6	0.00863
17:00	11.2	10.9	15.6	25.0	45.0	45.9	9.8	9.6	0.008654
18:00	13.0	12.0	16.0	25.1	58.2	54.7	11.1	10.4	0.009693
19:00	13.8	13.1	15.4	25.0	76.1	69.5	11.8	11.3	0.010213
20:00	13.3	12.4	14.4	24.8	81.9	66.7	11.5	10.7	0.009846
21:00	13.1	13.0	13.9	24.6	86.2	78.9	11.3	11.3	0.0097
22:00	12.9	13.2	13.6	24.2	89.1	85.3	11.2	11.4	0.009601
23:00	12.9	13.4	13.5	23.9	90.7	87.8	11.3	11.6	0.0096
Avg	12.6	12.7	14.3	23.5	76.3	75.9	10.9	11.0	0.00939
Max	14.5	15.4	16.0	25.1	95.4	96.6	12.4	13.1	0.010639
Hr. of Max	00	00	18	18	07	07	00	00	00
Min	11.1	10.9	12.3	21.8	44.0	45.8	9.8	9.6	0.008574
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)

9/17/2014

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	0.011241	16.6	17.5	.00	29.13	986.4	-2.1	.00	284.4
01:00	0.010997	15.9	17.1	.00	29.12	986.0	-2.5	.00	347.0
02:00	0.010643	15.2	16.6	.00	29.11	985.9	-2.9	.00	286.0
03:00	0.010342	14.8	16.1	.00	29.11	985.8	-2.1	.00	2.9
04:00	0.009979	14.2	15.6	.00	29.11	985.7	-2.7	.00	17.7
05:00	0.009607	14.0	15.0	.00	29.10	985.6	-2.3	.00	341.5
06:00	0.009493	14.2	14.8	.00	29.11	985.7	-2.9	.00	51.5
07:00	0.009641	15.1	15.0	.00	29.11	985.9	7.8	.01	160.2
08:00	0.009591	15.1	15.0	.00	29.12	986.1	108.2	.16	215.1
09:00	0.009306	14.7	14.5	.00	29.11	985.8	380.4	.55	353.2
10:00	0.008938	14.6	14.0	.00	29.10	985.5	609.9	.87	60.0
11:00	0.008733	14.1	13.6	.00	29.08	984.9	777.4	1.11	85.9
12:00	0.008701	13.9	13.6	.00	29.08	984.7	823.3	1.18	283.5
13:00	0.008652	13.7	13.5	.00	29.08	984.8	862.1	1.24	267.5
14:00	0.0085	13.4	13.3	.00	29.06	984.1	842.2	1.21	221.7
15:00	0.008645	13.8	13.5	.00	29.04	983.4	786.7	1.13	183.8
16:00	0.008463	13.5	13.2	.00	29.03	983.1	588.9	.84	252.0
17:00	0.008472	13.5	13.2	.00	29.03	983.2	296.9	.43	249.6
18:00	0.009096	15.1	14.2	.00	29.04	983.4	106.4	.15	255.4
19:00	0.009754	15.9	15.2	.00	29.04	983.5	13.4	.02	275.5
20:00	0.00927	15.3	14.4	.00	29.05	983.7	-2.2	.00	265.1
21:00	0.009679	15.1	15.1	.00	29.05	983.9	-3.4	.00	339.3
22:00	0.009807	15.0	15.3	.00	29.04	983.5	-3.0	.00	30.8
23:00	0.0099	15.0	15.4	.00	29.05	983.8	-1.9	.00	272.4
Avg	0.009477	14.7	14.8	.00	29.08	984.8	257.3	.37	297.0
Max	0.011241	16.6	17.5	.00	29.13	986.4	862.1	1.24	353.2
Hr. of Max	00	00	00	23	00	00	13	13	09
Min	0.008463	13.4	13.2	.00	29.03	983.1	-3.4	.00	2.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/17/2014

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	267.5	168.4	290.8	168.1	40.5	73.4	59.8	.5	.2
01:00	44.5	73.1	336.1	68.2	30.4	18.5	15.4	.3	.8
02:00	40.2	20.2	283.4	12.1	63.3	47.7	19.6	.2	.2
03:00	47.3	54.6	1.9	49.0	36.8	20.3	13.2	.6	1.1
04:00	46.0	36.9	2.5	29.7	29.5	22.0	8.7	.4	1.1
05:00	.8	10.2	341.2	3.6	34.7	26.9	20.4	1.4	2.9
06:00	4.7	332.0	349.5	323.3	30.7	44.2	37.9	.1	.3
07:00	181.7	326.4	217.0	307.4	24.5	53.3	43.5	.2	.3
08:00	317.6	329.9	272.3	322.8	56.1	59.5	58.5	.3	.5
09:00	358.5	13.0	346.2	5.9	63.5	36.9	32.3	1.0	1.6
10:00	36.9	28.2	79.0	27.6	55.9	57.6	56.0	1.1	1.6
11:00	71.0	65.3	90.9	60.3	43.5	44.9	43.5	2.2	2.3
12:00	302.9	299.6	281.1	297.0	51.5	46.0	39.4	1.2	2.2
13:00	273.9	269.5	269.5	270.3	68.2	66.0	58.1	1.7	2.4
14:00	235.0	240.4	233.0	243.6	65.5	57.5	49.4	2.0	2.6
15:00	192.6	198.4	196.6	198.3	38.1	34.8	36.3	3.0	3.4
16:00	278.1	277.1	262.0	275.7	55.5	46.8	41.8	2.2	2.7
17:00	261.2	262.4	260.1	262.3	28.5	23.2	18.9	2.9	4.2
18:00	243.6	240.5	264.4	241.0	17.7	9.9	5.8	2.2	4.8
19:00	254.2	262.9	279.8	263.4	18.0	9.1	7.0	.7	2.6
20:00	283.8	291.2	273.6	289.1	27.0	19.3	10.6	2.1	4.6
21:00	170.2	119.7	339.5	117.9	49.4	43.8	42.3	.5	.4
22:00	63.9	82.4	39.5	79.1	36.3	32.6	39.9	1.7	3.5
23:00	320.3	33.8	276.3	29.5	49.3	45.1	35.2	1.0	.5
Avg	320.0	341.0	298.0	333.0	42.3	39.1	33.1	.0	.0
Max	358.5	332.0	349.5	323.3	68.2	73.4	59.8	3.0	4.8
Hr. of Max	09	06	06	06	13	00	00	15	18
Min	.8	10.2	1.9	3.6	17.7	9.1	5.8	.1	.2
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)

9/17/2014

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	.2	.8	.4	.5	1.3	1.0	1.4	3.4	.02
01:00	.7	.4	.9	.7	.8	1.3	2.4	-1.5	.04
02:00	1.2	.3	.3	1.3	.7	1.8	2.2	1.3	.04
03:00	1.6	.7	1.1	1.6	1.2	2.1	2.0	1.7	.05
04:00	2.4	.5	1.3	2.4	.9	2.8	2.0	2.4	.03
05:00	3.8	1.6	3.0	4.0	2.1	4.5	-1.2	-1.7	-.13
06:00	.8	.1	.4	.9	.6	1.5	2.0	-2.7	.03
07:00	.5	.2	.3	.6	.8	1.1	3.8	-.2	.07
08:00	.5	.5	.8	.7	1.1	1.4	-2.0	-6.8	-.08
09:00	1.5	1.2	1.8	1.7	1.9	2.5	1.8	-6.1	-.06
10:00	1.8	2.2	2.5	2.5	2.9	3.3	-2.9	9.7	-.23
11:00	2.1	2.8	3.1	3.1	3.6	3.9	-2.7	.1	-.11
12:00	2.8	3.3	3.7	4.0	4.1	4.8	-.4	-2.8	-.18
13:00	3.0	3.2	3.7	4.1	3.8	4.9	-.9	-9.4	-.14
14:00	3.1	3.4	3.6	3.9	4.1	4.8	2.0	-.1	.14
15:00	3.8	3.9	4.2	4.6	4.6	5.3	.6	1.3	-.07
16:00	3.1	4.0	4.4	4.5	4.5	5.1	-1.0	2.9	-.15
17:00	5.1	3.6	4.9	5.6	4.2	6.2	-1.5	-.6	-.27
18:00	6.7	2.4	4.9	6.8	3.0	7.3	.3	1.1	-.12
19:00	5.3	.7	2.7	5.4	1.2	5.7	-1.2	1.6	-.03
20:00	7.5	2.2	4.7	7.7	2.7	7.6	-1.2	.8	-.10
21:00	.7	.9	1.0	.9	1.3	1.5	2.3	3.6	.06
22:00	4.1	2.0	3.8	4.4	2.4	4.8	-2.9	.0	-.23
23:00	1.8	1.5	1.3	1.9	1.9	2.4	1.5	.8	.02
Avg	.0	1.8	2.5	3.1	2.3	3.7	.3	-.1	-.06
Max	7.5	4.0	4.9	7.7	4.6	7.6	3.8	9.7	.14
Hr. of Max	20	16	18	20	15	20	07	10	14
Min	.2	.1	.3	.5	.6	1.0	-2.9	-9.4	-.27
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/17/2014

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	.07	3.9	3.9	2.1	4.7	2.4	8.7	14.7
01:00	-.03	1.8	2.1	1.8	2.1	2.2	7.9	11.1
02:00	.04	1.6	2.7	3.4	2.0	3.9	11.1	9.7
03:00	.07	2.1	2.7	3.0	2.7	3.5	6.7	6.5
04:00	.13	2.7	4.4	5.7	2.2	4.6	8.8	6.9
05:00	-.18	4.8	6.2	7.8	6.1	7.4	12.6	9.7
06:00	-.12	1.4	2.1	3.2	1.7	4.7	11.8	16.9
07:00	-.01	1.6	2.1	3.0	2.5	3.3	16.4	20.0
08:00	-.16	3.2	3.2	3.2	3.9	4.0	22.8	24.4
09:00	-.30	4.4	5.5	4.8	5.3	6.0	29.8	28.9
10:00	.47	8.9	8.7	9.4	8.8	9.6	28.3	29.7
11:00	-.02	9.2	8.5	9.4	9.5	9.9	26.2	29.1
12:00	-.49	11.2	11.4	11.0	13.0	13.9	26.8	28.4
13:00	-.86	14.9	14.4	13.1	16.1	13.2	28.3	28.6
14:00	.04	11.0	11.2	10.5	11.0	12.5	27.5	29.5
15:00	-.08	9.4	21.1	20.6	11.8	11.8	20.9	22.3
16:00	.13	14.2	13.7	11.2	12.4	13.5	21.6	22.2
17:00	-.17	9.6	11.4	11.9	11.1	13.3	19.0	15.2
18:00	.11	16.3	18.8	17.4	10.2	10.8	13.6	4.4
19:00	.15	2.1	6.0	9.6	2.6	10.5	9.2	4.6
20:00	.03	6.4	10.8	14.2	7.5	14.0	11.6	8.2
21:00	.10	3.2	3.4	3.9	3.2	4.3	9.5	14.0
22:00	-.03	5.3	9.2	11.4	6.4	12.5	9.9	9.6
23:00	.03	4.1	8.2	11.0	4.8	8.5	9.7	9.0
Avg	-.05	6.4	8.0	8.4	6.7	8.3	16.6	16.8
Max	.47	16.3	21.1	20.6	16.1	14.0	29.8	29.7
Hr. of Max	10	18	15	15	13	20	09	10
Min	-.86	1.4	2.1	1.8	1.7	2.2	6.7	4.4
Count	24	24	24	24	24	24	24	24
Total								