Date Printed: 10/19/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/18/2014

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	13.2	15.2	16.0	16.8	1.99	2.83	3.59	.84	1.60
01:00	12.5	14.4	15.1	15.8	1.91	2.59	3.29	.68	1.39
02:00	11.9	14.1	15.6	16.5	2.19	3.70	4.59	1.52	2.41
03:00	12.1	15.6	16.0	16.3	3.52	3.99	4.21	.47	.69
04:00	11.6	14.6	14.9	15.1	3.02	3.28	3.52	.26	.50
05:00	10.8	13.4	13.9	14.1	2.65	3.09	3.37	.44	.72
06:00	10.7	13.0	13.3	13.4	2.37	2.62	2.79	.25	.42
07:00	11.4	12.3	12.4	12.6	.96	1.04	1.27	.08	.31
08:00	11.2	12.2	12.3	12.4	1.07	1.12	1.20	.05	.12
09:00	13.4	13.3	13.1	13.0	-.13	-.31	-.40	-.18	-.26
10:00	15.2	14.5	14.3	14.1	-.68	-.97	-1.10	-.29	-.42
11:00	16.4	15.6	15.3	15.2	-.76	-1.05	-1.18	-.29	-.42
12:00	17.6	16.6	16.2	16.1	-1.06	-1.40	-1.57	-.34	-.52
13:00	17.6	16.7	16.4	16.2	-.93	-1.26	-1.43	-.33	-.49
14:00	18.3	17.4	17.1	16.9	-.85	-1.22	-1.41	-.37	-.56
15:00	18.4	17.7	17.4	17.2	-.71	-1.02	-1.14	-.31	-.43
16:00	17.3	16.9	16.6	16.5	-.42	-.67	-.79	-.25	-.37
17:00	15.9	15.7	15.5	15.4	-.23	-.43	-.51	-.20	-.28
18:00	14.9	14.8	14.6	14.6	-.13	-.30	-.35	-.17	-.23
19:00	14.1	14.0	13.8	13.8	-.08	-.23	-.28	-.15	-.20
20:00	13.5	13.5	13.3	13.2	-.06	-.21	-.26	-.16	-.21
21:00	12.4	12.6	12.5	12.4	.11	.02	-.01	-.09	-.12
22:00	11.6	12.0	12.0	12.1	.37	.43	.44	.06	.07
23:00	11.1	11.7	11.8	11.8	.59	.70	.74	.12	.16
Avg	13.9	14.5	14.6	14.6	.61	.68	.77	.07	.16
Max	18.4	17.7	17.4	17.2	3.52	3.99	4.59	1.52	2.41
Hr. of Max	15	15	15	15	03	03	02	02	02
Min	10.7	11.7	11.8	11.8	-1.06	-1.40	-1.57	-.37	-.56
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/18/2014

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	12.0	13.5	12.4	17.7	94.1	91.4	10.7	11.7	0.009066
01:00	11.4	13.3	11.8	17.6	94.4	94.7	10.2	11.5	0.008687
02:00	11.0	13.0	11.3	17.4	95.0	94.4	10.0	11.3	0.00843
03:00	11.0	11.7	11.4	17.2	94.6	78.9	10.0	10.3	0.008458
04:00	10.7	10.7	11.0	17.1	95.2	78.6	9.8	9.7	0.008269
05:00	9.9	10.2	10.2	16.9	95.3	81.8	9.3	9.4	0.007818
06:00	9.4	9.1	9.8	16.7	93.2	78.1	9.0	8.8	0.007581
07:00	9.1	8.7	9.8	16.5	86.9	79.5	8.8	8.6	0.007409
08:00	9.2	8.5	9.9	16.3	88.8	78.9	8.9	8.5	0.007462
09:00	9.2	8.4	10.6	16.2	76.7	73.4	8.8	8.4	0.007458
10:00	8.4	8.0	10.6	16.2	64.5	65.5	8.3	8.1	0.007066
11:00	7.8	7.4	10.6	16.4	57.7	58.8	8.0	7.8	0.006799
12:00	6.8	6.3	10.4	16.6	49.7	51.3	7.4	7.2	0.006347
13:00	6.9	6.7	10.5	17.0	50.4	52.4	7.5	7.4	0.006434
14:00	6.3	6.2	10.3	17.4	46.3	48.5	7.2	7.1	0.006162
15:00	6.1	5.9	10.2	17.9	45.3	46.6	7.1	7.0	0.006071
16:00	5.9	5.6	9.7	18.2	47.8	48.2	7.0	6.9	0.005967
17:00	6.4	6.3	9.6	18.3	54.1	54.3	7.3	7.2	0.006179
18:00	6.9	6.7	9.6	18.2	59.6	59.4	7.5	7.5	0.006389
19:00	6.6	6.5	9.1	18.1	61.8	61.3	7.4	7.3	0.006257
20:00	6.4	6.2	8.8	17.9	62.8	62.3	7.3	7.2	0.006133
21:00	6.4	6.1	8.4	17.7	67.5	65.6	7.3	7.2	0.006142
22:00	6.9	6.2	8.4	17.5	73.5	68.5	7.6	7.2	0.006332
23:00	6.7	5.7	8.2	17.3	75.5	67.5	7.5	7.0	0.006267
Avg	8.2	8.2	10.1	17.3	72.1	68.3	8.3	8.3	0.007049
Max	12.0	13.5	12.4	18.3	95.3	94.7	10.7	11.7	0.009066
Hr. of Max	00	00	00	17	05	01	00	00	00
Min	5.9	5.6	8.2	16.2	45.3	46.6	7.0	6.9	0.005967
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/18/2014

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	0.010013	14.1	15.5	.00	28.97	981.1	-1.9	.00	73.6
01:00	0.00986	13.5	15.3	.00	28.97	980.9	-2.3	.00	26.2
02:00	0.009661	13.1	15.0	.00	28.97	981.0	-2.4	.00	213.9
03:00	0.008865	13.2	13.8	.00	28.97	981.2	-2.0	.00	269.0
04:00	0.008315	12.9	12.9	.00	28.97	981.2	-2.0	.00	264.9
05:00	0.007997	12.2	12.5	.00	28.99	981.9	-2.2	.00	263.3
06:00	0.007425	11.8	11.6	.00	29.02	982.6	-2.1	.00	268.8
07:00	0.007217	11.6	11.3	.00	29.03	983.0	1.4	.00	279.2
08:00	0.00712	11.7	11.1	.00	29.04	983.5	113.1	.16	257.7
09:00	0.007079	11.7	11.1	.00	29.06	984.1	227.2	.33	261.7
10:00	0.006871	11.1	10.8	.00	29.07	984.4	518.8	.74	280.7
11:00	0.006603	10.6	10.3	.00	29.07	984.4	601.7	.86	260.2
12:00	0.006126	9.9	9.6	.00	29.07	984.4	779.5	1.12	273.8
13:00	0.00631	10.1	9.9	.00	29.06	984.0	686.5	.98	279.8
14:00	0.006122	9.6	9.6	.00	29.04	983.4	625.0	.90	321.8
15:00	0.005979	9.5	9.4	.00	29.05	983.7	542.0	.78	310.4
16:00	0.005862	9.4	9.2	.00	29.07	984.3	216.9	.31	289.0
17:00	0.006115	9.7	9.6	.00	29.09	985.1	72.6	.10	287.4
18:00	0.00631	10.0	9.9	.00	29.11	986.0	11.2	.02	276.9
19:00	0.00618	9.8	9.7	.00	29.14	986.8	-2.3	.00	270.0
20:00	0.006066	9.6	9.5	.00	29.17	987.7	-2.9	.00	325.9
21:00	0.006018	9.7	9.5	.00	29.18	988.3	-2.1	.00	9.1
22:00	0.006047	10.0	9.5	.00	29.19	988.4	-2.2	.00	19.6
23:00	0.005823	9.9	9.2	.00	29.20	988.8	-1.7	.00	30.9
Avg	0.007083	11.0	11.1	.00	29.06	984.2	182.1	.26	291.0
Max	0.010013	14.1	15.5	.00	29.20	988.8	779.5	1.12	325.9
Hr. of Max	00	00	00	23	23	23	12	12	20
Min	0.005823	9.4	9.2	.00	28.97	980.9	-2.9	.00	9.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/18/2014

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	227.4	227.4	307.0	230.3	21.3	27.3	4.0	.1	.9
01:00	256.4	215.1	37.8	218.2	54.2	27.0	9.0	.2	.8
02:00	271.9	274.0	230.3	275.6	38.4	22.9	13.9	1.5	3.1
03:00	277.9	280.0	280.0	280.1	11.7	7.8	6.0	4.2	6.9
04:00	274.5	275.9	276.1	276.3	7.2	5.8	4.1	4.0	6.3
05:00	272.3	271.1	274.1	272.9	12.8	7.7	6.5	3.4	6.1
06:00	280.6	282.1	279.7	282.3	13.7	9.5	6.8	4.0	6.6
07:00	293.9	295.3	289.5	293.2	17.7	12.9	6.2	4.1	7.0
08:00	282.1	288.2	268.6	288.3	25.2	15.2	8.8	2.6	4.7
09:00	275.7	278.8	267.7	280.0	30.0	22.5	17.2	2.2	3.3
10:00	288.1	287.1	290.7	286.6	29.3	19.7	18.5	4.4	5.5
11:00	273.7	271.2	270.1	271.5	37.1	30.2	23.5	4.1	5.3
12:00	282.1	281.5	284.2	281.4	32.8	28.5	23.3	6.4	8.2
13:00	285.1	287.3	291.1	287.0	48.8	43.3	37.9	3.8	5.1
14:00	327.5	325.6	329.5	322.9	46.4	36.5	30.2	3.2	5.0
15:00	324.1	318.9	319.5	316.5	50.2	41.4	35.9	3.3	5.0
16:00	310.1	309.0	298.6	307.2	49.8	36.6	27.4	2.7	4.3
17:00	299.5	302.1	293.8	300.9	36.8	27.5	24.7	3.5	5.0
18:00	291.4	296.0	286.0	295.2	31.7	28.8	23.5	2.8	3.9
19:00	286.8	295.8	279.7	294.7	26.3	24.8	19.0	2.7	3.9
20:00	335.5	336.3	333.4	333.2	38.9	28.0	23.4	2.2	3.5
21:00	9.6	5.6	16.4	1.7	34.5	24.2	22.4	1.6	3.4
22:00	27.2	27.9	26.7	23.9	30.2	17.0	14.4	1.7	4.1
23:00	46.4	45.9	38.2	42.4	32.2	19.1	13.7	1.5	3.7
Avg	295.0	295.0	299.0	294.0	31.6	23.5	17.5	.0	.0
Max	335.5	336.3	333.4	333.2	54.2	43.3	37.9	6.4	8.2
Hr. of Max	20	20	20	20	01	13	13	12	12
Min	9.6	5.6	16.4	1.7	7.2	5.8	4.0	.1	.8
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)

10/18/2014

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	3.9	.2	.9	3.9	.6	4.3	3.5	1.2	.05
01:00	3.1	.2	.9	3.1	.6	3.5	3.0	.0	.04
02:00	6.1	1.6	3.3	6.2	2.1	6.4	.1	1.5	-.07
03:00	8.7	4.3	7.0	8.8	4.5	8.9	-4.0	-.8	-.35
04:00	8.3	4.1	6.3	8.4	4.4	8.6	-3.3	-.4	-.27
05:00	8.3	3.4	6.1	8.4	3.8	8.7	-2.0	1.8	-.16
06:00	9.1	4.1	6.7	9.2	4.4	9.3	-3.8	-.1	-.36
07:00	10.7	4.3	7.2	10.8	4.6	10.5	-3.9	-2.5	-.41
08:00	6.9	2.8	4.8	7.1	3.2	7.0	.9	1.7	-.02
09:00	4.4	2.4	3.5	4.6	2.8	4.9	1.8	2.3	-.13
10:00	5.9	4.9	5.9	6.1	5.3	6.7	-3.7	-5.5	-.51
11:00	6.1	4.9	6.0	6.6	5.6	7.4	-.8	-1.6	-.29
12:00	9.7	7.3	9.0	10.4	7.9	11.1	-3.0	-2.3	-.77
13:00	6.4	5.4	6.7	7.8	5.8	8.5	-1.1	-.1	-.34
14:00	6.2	4.9	6.6	7.5	5.6	8.3	-2.7	-1.8	-.53
15:00	6.0	4.3	5.9	6.8	5.2	7.7	-2.0	3.0	-.55
16:00	6.1	3.6	5.0	6.8	4.4	7.5	-2.0	-2.0	-.35
17:00	6.5	4.2	5.6	7.1	4.8	7.7	-3.3	-1.8	-.53
18:00	5.3	3.3	4.5	5.8	3.8	6.2	-2.6	-1.9	-.30
19:00	5.2	3.0	4.2	5.5	3.5	5.9	-5.8	-4.7	-.49
20:00	5.0	3.0	4.4	5.7	3.6	6.4	-2.5	-1.0	-.40
21:00	4.5	1.9	3.8	4.8	2.5	5.5	-2.3	-1.0	-.26
22:00	5.2	2.1	4.4	5.5	2.4	6.0	.2	-1.3	-.09
23:00	4.9	1.7	4.0	5.1	2.2	5.6	-1.9	-.6	-.17
Avg	.0	3.4	5.1	6.8	3.9	7.2	-1.7	-.7	-.30
Max	10.7	7.3	9.0	10.8	7.9	11.1	3.5	3.0	.05
Hr. of Max	07	12	12	07	12	12	00	15	00
Min	3.1	.2	.9	3.1	.6	3.5	-5.8	-5.5	-.77
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/18/2014

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	.09	.9	5.3	8.2	1.4	6.2	8.2	2.5
01:00	.00	1.8	4.6	9.2	1.9	6.0	7.7	4.4
02:00	.14	6.0	10.5	13.3	7.9	14.2	10.7	7.8
03:00	-.14	10.3	15.3	22.4	9.8	14.5	7.8	4.9
04:00	-.07	10.3	14.9	17.4	7.6	10.9	5.3	3.2
05:00	.24	7.8	12.8	19.0	7.0	13.0	8.1	4.7
06:00	-.11	9.2	12.6	14.9	9.8	15.2	9.0	5.9
07:00	-.52	10.5	14.9	19.5	10.4	14.9	13.0	5.7
08:00	.15	7.1	9.4	20.4	7.6	11.5	14.6	7.1
09:00	-.02	7.3	8.0	9.6	8.6	10.8	22.7	15.6
10:00	-.88	12.4	11.2	11.7	13.2	12.1	18.9	15.5
11:00	-.59	13.3	17.4	15.8	15.7	17.0	21.3	20.6
12:00	-.84	18.5	21.3	21.3	19.8	24.6	19.7	15.9
13:00	-.32	17.9	17.4	18.8	16.6	20.2	22.2	18.6
14:00	-.54	15.6	17.4	17.6	16.6	17.1	22.9	19.3
15:00	-.21	15.3	16.0	20.6	15.9	22.0	26.6	25.5
16:00	-.68	19.2	17.4	21.8	20.4	22.4	26.3	20.9
17:00	-.66	16.7	17.6	18.8	17.5	21.1	22.4	19.2
18:00	-.46	10.8	12.1	14.9	12.2	17.5	19.3	17.3
19:00	-.72	10.1	11.9	13.7	10.7	14.6	18.5	14.0
20:00	-.41	13.3	14.7	15.6	13.2	17.9	22.2	16.8
21:00	-.24	8.5	12.8	14.0	10.7	14.8	21.5	14.9
22:00	-.18	7.1	9.8	13.3	7.5	11.8	18.7	8.4
23:00	-.14	7.6	8.9	11.0	8.6	11.9	18.4	9.4
Avg	-.30	10.7	13.1	16.0	11.3	15.1	16.9	12.4
Max	.24	19.2	21.3	22.4	20.4	24.6	26.6	25.5
Hr. of Max	05	16	12	03	16	12	15	15
Min	-.88	.9	4.6	8.2	1.4	6.0	5.3	2.5
Count	24	24	24	24	24	24	24	24
Total								