Date Printed: 08/23/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/22/2014

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	22.6	23.4	23.8	24.8	.84	1.27	2.25	.43	1.41
01:00	22.1	23.2	23.4	23.8	1.10	1.29	1.67	.19	.57
02:00	21.7	22.6	23.0	23.4	.90	1.33	1.70	.43	.80
03:00	21.3	22.3	22.8	23.2	.99	1.50	1.96	.51	.97
04:00	21.0	22.0	22.4	22.8	1.01	1.41	1.80	.40	.79
05:00	20.7	21.8	22.1	22.7	1.03	1.38	1.93	.35	.91
06:00	20.5	21.6	22.0	22.4	1.04	1.43	1.90	.39	.85
07:00	21.0	21.5	21.9	22.4	.56	.94	1.47	.39	.91
08:00	22.9	22.6	22.7	22.9	-.35	-.21	.04	.14	.39
09:00	24.9	24.4	24.2	24.2	-.55	-.70	-.76	-.15	-.21
10:00	26.7	26.2	25.9	25.8	-.58	-.84	-.93	-.26	-.35
11:00	28.9	28.1	27.9	27.8	-.78	-1.06	-1.14	-.28	-.37
12:00	29.9 P	29.3 P	29.0 P	28.9 P	P	P	P	P	P
13:00	30.8	30.1	29.9	29.8	-.68	-.93	-.99	-.24	-.31
14:00	32.0	31.0	30.8	30.7	-.95	-1.21	-1.30	-.27	-.36
15:00	32.6	31.7	31.4	31.3	-.91	-1.21	-1.29	-.30	-.39
16:00	32.1	31.4	31.1	31.1	-.67	-.91	-.96	-.24	-.29
17:00	31.9	31.4	31.2	31.1	-.46	-.71	-.80	-.25	-.34
18:00	30.8 P	30.8 P	30.7 P	30.8 P	P	P	P	P	P
19:00	28.0	28.9	29.4	29.8	.94	1.47	1.85	.53	.92
20:00	25.7	27.1	28.0	28.8	1.37	2.33	3.09	.96	1.72
21:00	24.3	25.6	26.6	27.4	1.22	2.24	3.03	1.02	1.81
22:00	23.4	24.7	25.5	26.6	1.25	2.05	3.12	.81	1.88
23:00	23.0	23.9	24.6	25.5	.84	1.52	2.45	.68	1.61
Avg	25.8	26.1	26.3	26.6	.33	.56	.91	.24	.59
Max	32.6	31.7	31.4	31.3	1.37	2.33	3.12	1.02	1.88
Hr. of Max	15	15	15	15	20	20	22	21	22
Min	20.5	21.5	21.9	22.4	-.95	-1.21	-1.30	-.30	-.39
Count	24	24	24	24	22	22	22	22	22
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/22/2014

Interval: 001h

	14_DewPtC_002m	15_DewPtC_015m	18_SoilTempC	19_RH_002m	20_RH_015m	21_AbsHum_002m	22_AbsHum_015m	23_Mix Ratio_002m	24_Mix Ratio_015m
Hour	DEGC	DEGC	DEGC	PERCENT	PERCENT	G/M3	STAB	COUNT	COUNT
00:00	21.1	22.3	26.4	94.0	96.2	18.4	20.7	0.016213	0.017462
01:00	20.8	22.2	26.2	94.5	96.8	18.0	20.6	0.01586	0.017379
02:00	20.4	21.7	26.0	94.6	97.1	17.7	20.0	0.015499	0.0168
03:00	20.0	21.4	25.8	94.9	97.2	17.3	19.7	0.01515	0.016477
04:00	19.8	21.1	25.6	95.1	97.2	17.0	19.4	0.014903	0.016205
05:00	19.6	20.9	25.4	95.1	97.4	16.8	19.2	0.014705	0.016041
06:00	19.4	20.7	25.2	95.2	97.4	16.6	19.1	0.014529	0.015858
07:00	19.7	20.7	25.1	94.9	97.5	17.0	19.0	0.014861	0.015799
08:00	21.1	21.4	24.9	92.1	95.6	18.4	19.7	0.016235	0.016477
09:00	22.0	21.6	24.8	86.1	86.7	19.3	19.8	0.017127	0.016686
10:00	22.2	21.7	24.9	78.7	79.0	19.4	19.9	0.017393	0.016885
11:00	22.1	21.5	25.2	69.0	69.6	19.2	19.6	0.017341	0.016718
12:00	P	P	25.7 P	64.9 P	64.9 P	P	P	P	P
13:00	21.7	21.2	26.3	60.5	61.0	18.7	19.2	0.01694	0.016447
14:00	20.7	20.3	26.8	53.1	54.7	17.5	18.1	0.015938	0.015543
15:00	19.9	19.3	27.2	48.8	49.6	16.6	17.1	0.015164	0.014635
16:00	20.6	20.0	27.5	52.5	52.4	17.4	17.8	0.015852	0.015229
17:00	21.0	20.6	27.8	54.3	54.2	17.8	18.4	0.016257	0.015814
18:00	P	P	28.0 P	61.0 P	57.9 P	P	P	P	P
19:00	23.1	22.1	28.0	77.5	68.9	20.5	20.2	0.018508	0.017374
20:00	22.6	22.2	28.0	85.9	77.1	20.0	20.4	0.017935	0.017444
21:00	22.0	21.9	27.8	89.3	82.8	19.3	20.2	0.017203	0.017152
22:00	21.6	22.1	27.6	91.6	87.9	18.9	20.4	0.016725	0.017292
23:00	21.4	22.0	27.4	92.8	91.7	18.7	20.3	0.016517	0.017184
Avg	21.0	21.3	26.4	79.9	79.6	18.2	19.5	0.016221	0.016496
Max	23.1	22.3	28.0	95.2	97.5	20.5	20.7	0.018508	0.017462
Hr. of Max	19	00	20	06	07	19	00	19	00
Min	19.4	19.3	24.8	48.8	49.6	16.6	17.1	0.014529	0.014635
Count	22	22	24	24	24	22	22	22	22
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

8/22/2014

Interval: 001h

	27_VaporPr_002m	28_VaporPr_015m	34_Precip_In	36_BarPres_In	37_BarPres_Mb	38_SolarRad_Wm2	39_SolarRad_Lang	40_WDir_015m	41_WDir_035m
Hour	KPa	KPa	INCHES	INHG	KPa	W/M2	Langleys	DEG	DEG
00:00	25.1	27.0	.00	29.20	988.9	-2.2	.00	288.8	214.2
01:00	24.6	26.9	.00	29.19	988.7	-1.6	.00	298.7	237.7
02:00	24.0	26.0	.00	29.17	988.0	-2.9	.00	248.6	227.9
03:00	23.5	25.5	.00	29.16	987.6	-3.2	.00	264.9	253.5
04:00	23.1	25.1	.00	29.16	987.3	-1.7	.00	263.3	307.2
05:00	22.8	24.8	.00	29.16	987.5	-1.4	.00	241.3	50.3
06:00	22.5	24.6	.00	29.17	987.8	-.8	.00	250.2	248.6
07:00	23.1	24.5	.00	29.18	988.3	41.1	.06	156.0	349.9
08:00	25.2	25.5	.00	29.20	989.0	192.6	.28	243.6	234.7
09:00	26.5	25.8	.00	29.20	989.0	397.6	.57	239.5	232.2
10:00	26.9	26.1	.00	29.21	989.1	607.7	.87	223.6	214.0
11:00	26.8	25.9	.00	29.20	988.8	734.8	1.05	232.0	218.2
12:00	P	P	.00 P	29.19 P	988.4 P	751.6 P	1.08 P	225.0 P	218.9 P
13:00	26.2	25.4	.00	29.17	987.8	655.0	.94	272.5	257.7
14:00	24.7	24.1	.00	29.15	987.1	859.8	1.23	275.0	265.1
15:00	23.5	22.7	.00	29.13	986.4	869.9	1.25	250.3	240.4
16:00	24.5	23.6	.00	29.11	985.9	543.2	.78	250.1	234.5
17:00	25.1	24.4	.00	29.10	985.5	393.7	.56	242.3	227.6
18:00	P	P	.00 P	29.09 P	985.1 P	232.8 P	.33 P	253.9 P	231.3 P
19:00	28.5	26.8	.00	29.08	984.7	81.9	.12	293.7	225.3
20:00	27.6	26.9	.00	29.09	985.2	1.8	.00	300.0	236.7
21:00	26.5	26.5	.00	29.11	985.8	-2.1	.00	321.9	229.9
22:00	25.8	26.7	.00	29.12	986.2	-2.5	.00	306.4	255.2
23:00	25.5	26.5	.00	29.13	986.4	-2.2	.00	292.1	212.1
Avg	25.1	25.5	.00	29.15	987.3	264.3	.38	261.0	239.0
Max	28.5	27.0	.00	29.21	989.1	869.9	1.25	321.9	349.9
Hr. of Max	19	00	23	10	10	15	15	21	07
Min	22.5	22.7	.00	29.08	984.7	-3.2	.00	156.0	50.3
Count	22	22	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)

8/22/2014

Interval: 001h

	42_WDir_060m	46_SWDir_015m	47_SWDir_060m	50_Sigma_015m	51_Sigma_035m	52_Sigma_060m	55_RWSpd_015m	56_RWSpd_035m	57_RWSpd_060m
Hour	DEG	DEG	DEG	DEG	DEG	DEG	MPH	MPH	MPH
00:00	229.2	283.5	229.0	27.5	8.8	9.7	.7	2.0	2.2
01:00	226.7	289.3	226.6	24.0	20.3	7.4	.3	1.9	2.2
02:00	220.5	249.6	219.9	40.0	33.6	9.1	1.4	.8	1.5
03:00	218.5	261.8	218.9	38.6	29.0	8.7	1.0	2.1	2.8
04:00	229.8	269.3	230.1	35.4	63.7	10.1	.3	.5	1.7
05:00	223.7	273.0	232.9	35.0	30.4	37.1	.2	.4	.9
06:00	201.9	271.4	204.7	28.9	33.2	12.1	.5	.5	1.2
07:00	211.0	245.4	213.9	50.1	38.8	13.2	.1	.3	1.3
08:00	226.3	244.9	226.8	22.0	16.3	11.3	2.2	3.7	4.4
09:00	237.8	237.1	236.6	30.2	26.4	24.9	2.3	2.8	3.2
10:00	226.3	227.1	226.0	27.9	24.1	23.2	2.7	3.2	3.6
11:00	225.0	234.0	225.5	36.2	29.8	21.8	3.0	3.6	4.1
12:00	227.3 P	224.2 P	226.5 P	46.1 P	40.2 P	32.9 P	2.7 P	3.4 P	3.8 P
13:00	263.0	269.2	262.2	40.7	32.0	24.4	2.6	3.9	5.2
14:00	276.5	273.8	275.0	33.8	27.6	22.3	4.3	5.6	6.7
15:00	249.3	250.8	249.2	28.6	22.2	19.7	4.5	6.0	6.9
16:00	241.3	250.1	241.9	25.7	17.5	13.3	3.9	5.9	7.1
17:00	233.5	241.3	233.5	27.2	20.7	17.6	3.4	4.5	5.4
18:00	232.9 P	252.2 P	233.5 P	21.2 P	12.8 P	8.7 P	2.5 P	4.1 P	5.6 P
19:00	229.6	284.4	230.2	15.2	8.2	6.3	1.0	2.8	4.8
20:00	231.7	292.9	232.2	14.3	7.4	4.2	1.1	1.8	3.6
21:00	237.2	314.4	237.1	14.5	12.6	6.7	.6	1.1	2.7
22:00	242.7	299.3	242.5	30.8	51.6	11.1	1.0	.7	2.0
23:00	251.2	280.7	248.9	56.9	24.8	27.9	.6	1.3	1.7
Avg	232.0	263.0	233.0	31.3	26.3	16.0	.0	.0	.0
Max	276.5	314.4	275.0	56.9	63.7	37.1	4.5	6.0	7.1
Hr. of Max	14	21	14	23	04	05	15	15	16
Min	201.9	224.2	204.7	14.3	7.4	4.2	.1	.3	.9
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)

8/22/2014

Interval: 001h

	58_WSpd_015m	59_WSpd_035m	60_WSpd_060m	66_HSSpd_015m	67_HSSpd_060m	70_WElev_015m	71_WElev_060m	72_VSSpd_015m	73_VSSpd_060m
Hour	MPH	MPH	MPH	MPH	MPH	DEG	DEG	MPH	MPH
00:00	.7	2.0	2.4	1.0	2.6	1.1	1.4	.01	.08
01:00	.4	1.9	2.3	.7	2.5	2.2	.8	.03	.06
02:00	1.4	.9	1.6	1.8	1.8	1.0	.3	.01	.02
03:00	1.2	2.2	2.9	1.5	3.1	2.1	-.4	.04	-.02
04:00	.4	.7	1.8	.8	1.9	.9	.5	.00	.02
05:00	.6	.4	.9	1.1	1.1	2.5	-.6	.04	-.02
06:00	.5	.5	1.2	1.0	1.4	1.3	-1.8	.02	-.04
07:00	.1	.3	1.4	.6	1.6	3.2	-.8	.04	-.01
08:00	2.4	3.8	4.5	2.8	4.8	-.2	-.7	-.07	-.10
09:00	2.8	3.2	3.4	3.3	3.9	4.7	10.3	.17	.63
10:00	3.0	3.4	3.8	3.5	4.3	-.1	-5.3	-.13	-.44
11:00	3.6	4.0	4.4	4.2	4.9	-3.5	-2.1	-.29	-.26
12:00	3.7 P	4.4 P	4.7 P	4.2 P	5.2 P	-1.8 P	2.4 P	-.19 P	.05 P
13:00	3.8	4.9	6.2	4.4	6.6	-.7	.7	-.24	-.04
14:00	5.0	6.2	7.2	5.5	7.6	-.8	-1.0	-.31	-.38
15:00	5.0	6.3	7.3	5.6	7.9	-.1	-.5	-.24	-.24
16:00	4.3	6.2	7.4	4.9	7.8	.2	-.8	-.21	-.21
17:00	3.7	4.8	5.7	4.2	6.1	-1.8	1.6	-.28	.04
18:00	2.7 P	4.3 P	5.7 P	3.1 P	6.0 P	-2.3 P	-.5 P	-.18 P	-.08 P
19:00	1.0	2.8	4.9	1.3	5.2	-.9	-.2	-.04	-.02
20:00	1.2	1.8	3.7	1.3	3.9	.9	.2	.01	.02
21:00	.7	1.6	2.7	1.0	2.9	-.1	-.1	-.01	.02
22:00	1.2	1.0	2.1	1.5	2.3	1.0	.6	.00	.01
23:00	.6	1.4	2.2	.9	2.3	.8	3.8	.02	.17
Avg	2.1	2.9	3.8	2.5	4.1	.4	.3	-.08	-.03
Max	5.0	6.3	7.4	5.6	7.9	4.7	10.3	.17	.63
Hr. of Max	15	15	16	15	15	09	09	09	09
Min	.1	.3	.9	.6	1.1	-3.5	-5.3	-.31	-.44
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/22/2014

Interval: 001h

	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	82_SPkWsH_015m	83_SPkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	88_WBulbC
Hour	MPH	MPH	MPH	MPH	MPH	DEG	DEG	DEGC
00:00	2.3	3.4	5.5	2.6	4.3	7.0	4.1	21.6
01:00	1.4	3.2	4.4	1.7	3.8	8.2	4.6	21.2
02:00	3.2	3.2	3.7	3.6	4.0	5.0	3.6	20.8
03:00	3.0	4.6	4.6	3.2	5.1	7.8	4.4	20.4
04:00	2.1	3.2	3.7	2.5	3.9	7.1	5.5	20.2
05:00	2.1	2.3	3.7	2.2	2.5	6.5	5.0	20.0
06:00	2.3	1.8	2.7	2.2	2.3	5.0	3.2	19.8
07:00	1.8	2.1	3.7	2.4	3.9	6.9	3.7	20.1
08:00	5.5	6.6	7.3	6.4	7.8	13.2	7.5	21.7
09:00	8.2	8.5	8.9	9.2	10.5	20.3	20.5	23.0
10:00	7.1	7.1	8.5	7.5	8.1	22.6	19.8	23.7
11:00	10.3	9.2	10.5	11.3	11.1	20.0	19.0	24.4
12:00	<	<	<	<	<	<	<	P
13:00	12.1	13.5	17.6	13.4	16.9	22.4	16.0	24.7
14:00	19.2	16.3	15.3	13.4	17.7	20.7	15.4	24.4
15:00	13.3	13.7	14.0	13.2	14.9	19.4	14.9	24.1
16:00	12.8	13.5	14.4	12.1	15.6	18.5	9.7	24.4
17:00	10.3	11.7	12.4	9.7	12.0	17.0	13.0	24.6
18:00	<	<	<	<	<	<	<	P
19:00	2.3	5.3	7.1	2.5	7.8	8.3	3.5	24.7
20:00	2.1	5.0	8.2	2.0	6.0	5.6	3.0	23.7
21:00	3.2	5.0	7.1	2.1	4.8	7.9	5.3	22.8
22:00	2.7	2.7	4.4	3.1	4.6	7.0	6.5	22.2
23:00	1.8	3.0	5.0	2.1	5.2	9.1	11.2	21.9
Avg	5.9	6.6	7.9	5.8	7.9	12.1	9.1	22.5
Max	19.2	16.3	17.6	13.4	17.7	22.6	20.5	24.7
Hr. of Max	14	14	13	14	14	10	09	19
Min	1.4	1.8	2.7	1.7	2.3	5.0	3.0	19.8
Count	22	22	22	22	22	22	22	22
Total								