Date Printed: 09/21/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/20/2014

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	20.0	21.1	21.5	21.7	1.17	1.50	1.72	.33	.56
01:00	18.1	19.3	20.0	20.9	1.23	1.92	2.83	.69	1.60
02:00	17.7	18.8	19.4	20.2	1.11	1.70	2.52	.58	1.41
03:00	16.8	18.0	18.8	20.1	1.20	2.03	3.37	.83	2.17
04:00	16.0	16.9	17.7	19.4	.95	1.77	3.43	.82	2.49
05:00	15.5	16.5	16.9	17.5	1.05	1.41	2.07	.36	1.01
06:00	15.3	16.5	16.6	16.8	1.24	1.33	1.52	.09	.28
07:00	15.0	16.1	16.2	16.6	1.07	1.24	1.56	.17	.49
08:00	16.8	16.7	16.6	16.7	-.07	-.18	-.15	-.11	-.07
09:00	19.5	19.0	18.8	18.6	-.52	-.78	-.88	-.25	-.36
10:00	21.9	21.2	20.9	20.9	-.74	-1.00	-1.09	-.27	-.35
11:00	24.0	22.9	22.6	22.6	-1.07	-1.34	-1.39	-.27	-.32
12:00	25.5	24.4	24.0	23.9	-1.11	-1.48	-1.62	-.37	-.51
13:00	26.9	25.7	25.4	25.3	-1.19	-1.57	-1.63	-.37	-.43
14:00	28.1	26.6	26.3	26.2	-1.42	-1.75	-1.83	-.33	-.41
15:00	28.0	27.1	26.8	26.7	-.87	-1.16	-1.29	-.29	-.41
16:00	28.5	27.6	27.3	27.1	-.96	-1.25	-1.42	-.29	-.47
17:00	28.2	27.5	27.2	27.2	-.71	-1.00	-1.07	-.29	-.36
18:00	25.3	25.9	26.7	26.8	.59	1.42	1.53	.83	.94
19:00	21.8	23.0	24.8	25.4	1.16	2.95	3.59	1.79	2.43
20:00	19.7	21.2	22.2	23.2	1.53	2.52	3.54	.99	2.00
21:00	18.6	20.2	20.9	21.9	1.52	2.30	3.26	.78	1.73
22:00	17.9	19.2	19.8	20.5	1.28	1.90	2.53	.63	1.25
23:00	17.4	18.4	19.0	19.7	1.06	1.63	2.28	.56	1.21
Avg	20.9	21.2	21.5	21.9	.31	.59	.97	.28	.66
Max	28.5	27.6	27.3	27.2	1.53	2.95	3.59	1.79	2.49
Hr. of Max	16	16	16	17	20	19	19	19	04
Min	15.0	16.1	16.2	16.6	-1.42	-1.75	-1.83	-.37	-.51
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/20/2014

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	16.2	15.9	17.5	24.5	80.8	73.4	13.7	13.3	0.011856
01:00	15.9	16.1	16.6	24.3	88.6	83.1	13.5	13.6	0.011591
02:00	15.8	16.1	16.5	24.0	90.3	85.7	13.4	13.6	0.011536
03:00	15.3	16.1	15.8	23.8	92.7	90.4	13.0	13.6	0.011135
04:00	14.7	15.6	15.1	23.6	93.8	93.7	12.6	13.3	0.010725
05:00	14.2	15.5	14.6	23.3	93.8	95.5	12.2	13.2	0.010386
06:00	14.1	15.4	14.5	23.1	94.2	94.7	12.1	13.1	0.010291
07:00	13.7	14.9	14.2	22.9	93.7	94.3	11.8	12.7	0.010054
08:00	15.0	14.8	15.6	22.6	90.5	90.0	12.7	12.6	0.010888
09:00	15.6	15.1	16.9	22.5	79.8	79.9	13.2	12.8	0.011388
10:00	14.8	14.2	17.2	22.5	65.4	65.8	12.5	12.0	0.010831
11:00	14.7	14.5	17.8	22.8	57.6	60.3	12.3	12.1	0.0108
12:00	14.6	14.3	18.2	23.3	52.1	54.7	12.1	12.0	0.010691
13:00	14.3	14.1	18.5	23.9	47.0	49.7	11.9	11.8	0.010521
14:00	14.1	14.1	18.7	24.7	43.5	47.1	11.7	11.7	0.010421
15:00	14.4	14.3	18.9	25.4	44.7	46.7	12.0	11.9	0.010647
16:00	13.8	13.8	18.7	25.8	41.6	43.8	11.5	11.5	0.010261
17:00	13.9	13.5	18.7	26.0	42.5	43.2	11.5	11.3	0.0103
18:00	16.3	15.4	19.3	26.1	59.1	54.0	13.5	12.8	0.011985
19:00	16.8	16.2	18.5	26.1	74.8	67.0	14.1	13.5	0.012393
20:00	15.9	16.0	17.2	26.0	80.6	73.5	13.5	13.4	0.011693
21:00	15.8	16.4	16.7	25.7	85.2	80.7	13.4	13.8	0.011567
22:00	15.8	16.7	16.5	25.4	89.1	87.4	13.4	14.2	0.011577
23:00	15.6	16.8	16.2	25.1	91.0	92.3	13.3	14.3	0.011416
Avg	15.1	15.2	17.0	24.3	73.9	72.8	12.7	12.8	0.01104
Max	16.8	16.8	19.3	26.1	94.2	95.5	14.1	14.3	0.012393
Hr. of Max	19	23	18	19	06	05	19	23	19
Min	13.7	13.5	14.2	22.5	41.6	43.2	11.5	11.3	0.010054
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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9/20/2014

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	0.011589	18.5	18.1	.00	29.22	989.4	-2.2	.00	250.4
01:00	0.01174	18.1	18.3	.00	29.22	989.5	-1.8	.00	301.4
02:00	0.01174	18.0	18.3	.00	29.22	989.6	-2.0	.00	311.4
03:00	0.01172	17.4	18.3	.00	29.22	989.6	-2.6	.00	250.5
04:00	0.011382	16.8	17.8	.00	29.22	989.6	-1.2	.00	244.7
05:00	0.011312	16.3	17.7	.00	29.23	989.8	-1.9	.00	311.8
06:00	0.011207	16.1	17.5	.00	29.24	990.1	-2.3	.00	48.3
07:00	0.010841	15.8	17.0	.00	29.25	990.6	15.9	.02	62.2
08:00	0.010777	17.0	16.9	.00	29.26	991.0	186.1	.27	72.3
09:00	0.011028	17.8	17.3	.00	29.27	991.1	396.1	.57	83.4
10:00	0.010425	17.0	16.3	.00	29.27	991.2	582.2	.83	88.0
11:00	0.010586	16.9	16.6	.00	29.26	991.0	729.1	1.05	124.2
12:00	0.010519	16.7	16.5	.00	29.24	990.2	821.1	1.18	121.9
13:00	0.010375	16.5	16.2	.00	29.21	989.2	853.5	1.22	182.8
14:00	0.010391	16.3	16.2	.00	29.18	988.2	835.9	1.20	229.0
15:00	0.010563	16.6	16.5	.00	29.15	987.2	564.5	.81	179.7
16:00	0.010217	16.0	15.9	.00	29.14	986.7	577.3	.83	297.0
17:00	0.010058	16.1	15.7	.00	29.12	986.2	289.8	.42	271.3
18:00	0.011348	18.6	17.7	.00	29.11	985.9	125.5	.18	310.0
19:00	0.011911	19.3	18.5	.00	29.10	985.5	15.1	.02	312.4
20:00	0.011717	18.2	18.2	.00	29.10	985.4	-1.8	.00	281.6
21:00	0.012041	18.0	18.7	.00	29.12	986.1	-1.1	.00	322.2
22:00	0.012294	18.0	19.1	.00	29.14	986.7	-1.3	.00	313.0
23:00	0.012371	17.8	19.2	.00	29.14	986.8	-1.5	.00	284.0
Avg	0.011173	17.2	17.4	.00	29.19	988.6	248.9	.36	290.0
Max	0.012371	19.3	19.2	.00	29.27	991.2	853.5	1.22	322.2
Hr. of Max	23	19	23	23	10	10	13	13	21
Min	0.010058	15.8	15.7	.00	29.10	985.4	-2.6	.00	48.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/20/2014

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	246.9	231.6	258.7	232.5	35.1	16.5	13.0	2.2	3.8
01:00	236.6	252.3	306.8	251.8	27.5	65.3	10.9	.5	1.0
02:00	98.7	268.4	296.7	266.3	44.2	47.2	44.6	.4	.2
03:00	246.0	272.1	258.6	271.7	22.8	15.3	17.5	1.6	2.2
04:00	230.8	258.8	253.8	259.3	25.9	13.1	20.5	1.4	3.1
05:00	76.8	96.8	301.7	94.4	54.8	20.6	31.8	.3	.4
06:00	60.3	59.7	54.5	55.6	16.4	11.8	6.0	1.1	2.4
07:00	71.0	60.8	63.3	56.4	38.9	21.8	10.9	.3	1.5
08:00	69.4	63.4	77.6	59.2	31.6	19.5	15.0	1.1	1.8
09:00	76.3	69.7	91.4	65.6	29.1	25.5	20.8	2.3	2.6
10:00	103.8	105.7	99.0	102.7	50.9	43.9	44.9	1.2	1.2
11:00	148.9	169.9	127.6	173.9	64.2	63.0	64.7	1.0	1.1
12:00	125.5	144.2	127.0	137.4	54.1	54.6	56.0	1.5	1.7
13:00	191.5	185.4	192.9	183.0	74.8	67.2	53.7	1.0	1.2
14:00	240.8	232.7	235.1	235.1	57.8	55.6	55.7	2.2	2.6
15:00	192.8	188.8	195.4	183.4	45.1	48.2	48.9	1.0	1.0
16:00	313.5	322.1	299.2	317.8	55.2	46.4	45.8	1.5	2.1
17:00	280.8	275.2	277.9	274.8	31.5	29.4	26.7	1.9	2.3
18:00	305.3	294.0	312.7	292.4	15.4	23.3	21.7	.9	2.1
19:00	350.8	5.3	308.2	.6	46.2	58.6	18.3	.5	1.5
20:00	240.7	241.6	286.2	238.8	41.5	30.8	22.4	.7	1.5
21:00	102.2	233.8	323.3	233.0	17.5	24.9	16.0	.3	.2
22:00	216.6	204.6	304.8	201.7	46.0	65.0	13.8	.3	.1
23:00	245.2	224.5	285.8	227.1	27.8	45.5	17.1	.5	.9
Avg	191.0	226.0	285.0	228.0	39.8	38.0	29.0	.0	.0
Max	350.8	322.1	323.3	317.8	74.8	67.2	64.7	2.3	3.8
Hr. of Max	19	16	21	16	13	13	11	09	00
Min	60.3	5.3	54.5	.6	15.4	11.8	6.0	.3	.1
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)

9/20/2014

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	5.1	2.4	4.2	5.8	2.9	6.2	-.2	-.1	-.13
01:00	3.1	.8	1.2	3.2	1.3	3.5	1.0	2.8	.02
02:00	.2	.4	.5	.6	.7	1.1	1.0	.8	.01
03:00	2.5	1.7	2.3	2.6	2.2	2.9	-.4	1.0	-.03
04:00	2.8	1.6	3.2	3.1	2.1	3.5	-1.5	1.4	-.07
05:00	.9	.7	1.6	1.8	1.1	2.3	2.1	1.5	.04
06:00	3.2	1.1	2.5	3.2	1.5	3.7	.8	1.4	.00
07:00	2.6	.4	1.7	2.7	.9	3.2	2.8	1.1	.04
08:00	2.6	1.2	1.9	2.6	1.7	3.1	2.2	5.0	.08
09:00	2.9	2.6	2.9	3.0	3.2	3.6	4.3	4.1	.19
10:00	1.1	1.5	1.4	1.4	2.2	2.2	-6.7	-14.4	-.22
11:00	1.1	2.5	2.4	2.3	3.2	3.2	-1.1	-6.2	-.09
12:00	1.9	3.3	3.2	3.1	3.9	3.9	2.9	-4.5	.20
13:00	1.6	2.9	3.1	3.3	3.7	4.1	-.3	2.2	-.06
14:00	2.8	3.6	3.8	3.9	4.2	4.5	-3.9	-.9	-.29
15:00	.9	2.2	2.4	2.4	2.9	3.1	4.6	6.2	.19
16:00	2.5	2.4	2.9	3.1	3.1	3.7	-4.9	6.2	-.36
17:00	2.7	2.2	2.7	3.1	2.7	3.6	-1.0	1.9	-.19
18:00	2.2	.9	2.3	2.4	1.2	2.6	1.5	1.5	.02
19:00	2.1	.6	1.9	2.4	.9	2.6	3.0	.9	.05
20:00	2.0	1.0	1.7	2.1	1.4	2.5	2.2	.4	.05
21:00	1.1	.4	.4	1.2	.7	1.5	.2	.5	.00
22:00	1.0	.4	.2	1.1	.7	1.4	1.0	.6	.01
23:00	1.7	.7	1.0	1.8	1.1	2.2	1.8	1.0	.04
Avg	.0	1.6	2.1	2.6	2.1	3.1	.5	.6	-.02
Max	5.1	3.6	4.2	5.8	4.2	6.2	4.6	6.2	.20
Hr. of Max	00	14	00	00	14	00	15	16	12
Min	.2	.4	.2	.6	.7	1.1	-6.7	-14.4	-.36
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/20/2014

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	14.0	11.4	17.6	9.1	12.8	12.1	6.8
01:00	.15	2.5	3.2	5.5	3.0	6.3	8.3	9.2
02:00	.02	1.8	1.4	3.7	2.2	3.1	7.9	15.9
03:00	.07	3.4	4.4	5.5	4.2	6.1	6.0	8.2
04:00	.08	4.1	6.2	7.3	5.2	8.1	9.0	10.7
05:00	.06	4.6	9.4	5.5	3.5	5.9	13.5	12.5
06:00	.08	2.5	4.4	4.8	2.6	4.9	8.3	3.6
07:00	.06	1.8	4.6	6.9	2.1	4.6	10.8	3.4
08:00	.23	4.1	6.2	7.1	4.8	5.2	18.9	14.2
09:00	.25	5.7	5.7	6.4	6.3	6.9	20.4	19.8
10:00	-.56	5.0	5.5	4.8	5.8	6.6	31.4	33.9
11:00	-.40	7.1	7.3	7.3	9.1	8.5	29.0	33.7
12:00	-.15	8.7	10.3	11.2	9.4	12.4	24.2	29.1
13:00	.21	8.2	8.5	8.7	8.9	10.1	26.6	30.3
14:00	-.21	9.4	8.9	9.8	9.6	10.9	21.4	23.9
15:00	.40	10.1	6.9	7.1	8.8	7.9	27.1	28.5
16:00	.24	7.6	7.8	7.6	8.5	8.2	23.5	27.0
17:00	-.10	6.2	7.1	7.3	7.4	7.7	22.3	22.5
18:00	.07	2.5	4.8	5.0	2.9	5.3	14.2	13.6
19:00	.09	2.3	8.2	8.0	3.0	6.3	13.4	8.1
20:00	.01	2.5	3.2	3.9	3.2	4.3	6.9	5.1
21:00	.01	2.3	3.0	3.2	1.8	2.7	7.5	3.1
22:00	.02	1.8	1.8	2.5	2.1	2.7	5.9	4.1
23:00	.04	2.7	2.3	3.4	2.9	3.9	8.2	3.7
Avg	.02	5.0	5.9	6.7	5.3	6.7	15.7	15.5
Max	.40	14.0	11.4	17.6	9.6	12.8	31.4	33.9
Hr. of Max	15	00	00	00	14	00	10	10
Min	-.56	1.8	1.4	2.5	1.8	2.7	5.9	3.1
Count	24	24	24	24	24	24	24	24
Total								