Date Printed: 09/28/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/27/2014

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	17.6	18.7	19.1	19.5	1.06	1.45	1.93	.39	.87
01:00	17.1	18.3	18.6	19.2	1.25	1.53	2.10	.28	.85
02:00	17.0	17.9	18.3	19.0	.94	1.30	1.97	.36	1.03
03:00	16.1	17.0	17.4	17.8	.85	1.29	1.64	.44	.79
04:00	15.8	16.9	17.2	17.6	1.09	1.40	1.81	.32	.72
05:00	15.7	16.6	16.8	17.3	.91	1.16	1.64	.25	.73
06:00	15.5	16.6	16.9	17.4	1.10	1.38	1.90	.28	.80
07:00	16.1	16.7	17.2	17.7	.57	1.03	1.51	.46	.94
08:00	17.5	17.5	17.5	17.6	-.02	-.05	.03	-.03	.05
09:00	19.1	18.7	18.5	18.4	-.37	-.60	-.70	-.23	-.34
10:00	20.2	19.7	19.4	19.3	-.56	-.84	-.96	-.28	-.40
11:00	22.0	21.0	20.8	20.7	-.96	-1.22	-1.33	-.26	-.36
12:00	23.3	22.4	22.1	22.0	-.90	-1.20	-1.29	-.30	-.39
13:00	23.4	22.8	22.5	22.4	-.65	-.89	-.97	-.24	-.32
14:00	25.4	24.3	24.0	23.9	-1.12	-1.41	-1.54	-.29	-.42
15:00	26.2	25.0	24.7	24.5	-1.23	-1.57	-1.72	-.34	-.49
16:00	26.3	25.4	25.0	24.8	-.97	-1.33	-1.54	-.36	-.57
17:00	26.3	25.6	25.3	25.1	-.66	-1.01	-1.17	-.34	-.51
18:00	24.0	24.6	25.0	25.0	.56	1.00	1.01	.44	.45
19:00	20.9	22.0	23.5	23.9	1.13	2.56	2.98	1.43	1.84
20:00	19.9	21.1	21.7	22.3	1.15	1.77	2.36	.62	1.21
21:00	18.6	19.9	20.6	21.1	1.22	1.91	2.43	.69	1.20
22:00	17.6	18.6	19.2	19.8	.97	1.55	2.17	.58	1.20
23:00	17.4	18.2	18.6	19.0	.81	1.19	1.60	.38	.78
Avg	20.0	20.2	20.4	20.6	.26	.43	.66	.18	.40
Max	26.3	25.6	25.3	25.1	1.25	2.56	2.98	1.43	1.84
Hr. of Max	17	17	17	17	01	19	19	19	19
Min	15.5	16.6	16.8	17.3	-1.23	-1.57	-1.72	-.36	-.57
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/27/2014

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	15.9	16.8	16.5	23.7	91.3	90.6	13.5	14.2	0.011578
01:00	15.5	16.8	16.1	23.5	92.3	92.4	13.2	14.2	0.011321
02:00	15.8	16.5	16.2	23.2	94.2	93.0	13.4	14.0	0.011496
03:00	14.8	15.9	15.3	23.0	93.5	95.3	12.6	13.5	0.010789
04:00	14.4	15.9	14.9	22.8	93.1	95.5	12.3	13.5	0.010498
05:00	14.4	15.6	14.8	22.6	93.5	95.9	12.3	13.3	0.010473
06:00	14.2	15.5	14.6	22.4	93.3	95.3	12.1	13.2	0.010329
07:00	14.9	15.6	15.3	22.2	93.7	94.7	12.7	13.3	0.010809
08:00	15.9	16.0	16.5	22.0	91.9	92.5	13.5	13.6	0.011584
09:00	16.6	16.4	17.4	21.9	87.3	87.9	14.1	13.9	0.012121
10:00	16.3	16.1	17.6	22.0	79.5	81.7	13.7	13.6	0.011855
11:00	15.8	15.6	17.9	22.1	69.4	72.5	13.3	13.1	0.011527
12:00	15.0	14.7	17.8	22.4	60.9	63.1	12.6	12.4	0.010963
13:00	15.4	15.4	18.1	22.7	62.0	64.7	12.9	12.9	0.011239
14:00	14.6	14.4	18.2	23.1	52.5	55.4	12.2	12.1	0.010715
15:00	14.0	14.1	18.1	23.4	48.0	51.9	11.7	11.8	0.010306
16:00	14.0	14.0	18.1	23.9	47.7	50.6	11.7	11.7	0.010298
17:00	13.5	13.5	17.8	24.2	46.3	48.0	11.3	11.3	0.009992
18:00	15.4	15.1	18.3	24.5	60.4	56.9	12.9	12.6	0.01131
19:00	16.2	15.7	17.8	24.5	76.0	68.7	13.6	13.1	0.011844
20:00	16.1	15.9	17.4	24.5	80.1	73.7	13.6	13.3	0.011762
21:00	15.7	16.1	16.7	24.3	84.8	80.6	13.3	13.6	0.011481
22:00	15.5	16.3	16.2	24.1	89.0	88.1	13.2	13.8	0.011307
23:00	15.5	16.4	16.1	23.8	90.1	91.0	13.2	13.9	0.011281
Avg	15.2	15.6	16.8	23.2	78.0	78.3	12.9	13.2	0.01112
Max	16.6	16.8	18.3	24.5	94.2	95.9	14.1	14.2	0.012121
Hr. of Max	09	01	18	20	02	05	09	01	09
Min	13.5	13.5	14.6	21.9	46.3	48.0	11.3	11.3	0.009992
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/27/2014

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	0.012285	18.1	19.2	.00	29.24	990.1	-1.3	.00	304.0
01:00	0.012261	17.7	19.1	.00	29.24	990.2	-1.8	.00	5.8
02:00	0.012049	18.0	18.8	.00	29.24	990.3	-1.4	.00	39.0
03:00	0.011608	16.9	18.1	.00	29.24	990.2	-1.5	.00	230.5
04:00	0.011551	16.4	18.1	.00	29.24	990.3	-2.7	.00	278.1
05:00	0.01139	16.4	17.8	.00	29.25	990.5	-2.3	.00	339.0
06:00	0.011316	16.2	17.7	.00	29.26	990.8	-1.3	.00	41.0
07:00	0.011328	16.9	17.7	.00	29.27	991.2	6.6	.01	27.5
08:00	0.011642	18.1	18.2	.00	29.28	991.7	76.2	.11	68.1
09:00	0.011925	19.0	18.7	.00	29.29	992.0	211.0	.30	89.0
10:00	0.011761	18.6	18.4	.00	29.30	992.2	304.5	.44	88.0
11:00	0.011348	18.0	17.8	.00	29.29	992.0	510.5	.73	98.7
12:00	0.010753	17.2	16.9	.00	29.29	991.8	571.1	.82	149.6
13:00	0.011281	17.6	17.7	.00	29.27	991.2	314.0	.45	326.7
14:00	0.010597	16.8	16.6	.00	29.25	990.4	771.5	1.11	145.2
15:00	0.010365	16.1	16.2	.00	29.23	989.8	817.4	1.17	96.9
16:00	0.010317	16.1	16.1	.00	29.22	989.4	546.9	.78	91.5
17:00	0.009969	15.6	15.6	.00	29.21	989.1	327.7	.47	297.0
18:00	0.011048	17.7	17.3	.00	29.20	988.9	103.8	.15	328.9
19:00	0.011463	18.5	17.9	.00	29.20	989.0	6.2	.01	311.9
20:00	0.011608	18.4	18.1	.00	29.21	989.2	-3.3	.00	308.8
21:00	0.011776	17.9	18.4	.00	29.22	989.4	-3.3	.00	321.3
22:00	0.011887	17.7	18.6	.00	29.23	989.8	-3.2	.00	293.3
23:00	0.011996	17.6	18.7	.00	29.23	990.0	-3.2	.00	259.1
Avg	0.011397	17.4	17.8	.00	29.25	990.4	189.3	.27	359.0
Max	0.012285	19.0	19.2	.00	29.30	992.2	817.4	1.17	339.0
Hr. of Max	00	09	00	23	10	10	15	15	05
Min	0.009969	15.6	15.6	.00	29.20	988.9	-3.3	.00	5.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/27/2014

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	249.2	178.7	304.5	177.1	56.6	39.4	36.7	.5	.3
01:00	49.5	64.9	11.8	53.4	51.4	47.1	59.3	.5	.6
02:00	64.0	57.3	39.6	53.5	50.1	17.0	9.9	1.0	1.7
03:00	229.8	77.2	244.7	111.3	56.6	65.4	29.3	1.0	.7
04:00	242.4	263.5	281.5	259.4	19.8	18.6	28.7	.4	.8
05:00	28.1	172.0	339.2	172.3	57.9	53.9	36.6	.3	.4
06:00	52.9	12.1	39.3	5.2	43.0	33.4	16.3	.2	.6
07:00	72.4	31.0	20.7	28.1	27.8	26.4	26.6	.3	1.0
08:00	64.7	69.0	73.8	65.6	29.0	19.4	10.6	.3	.9
09:00	74.8	67.6	97.0	65.3	20.5	24.6	23.2	2.1	2.0
10:00	78.6	73.8	94.4	69.6	21.8	22.5	21.2	3.5	3.9
11:00	100.1	95.7	107.3	93.5	39.0	38.9	42.8	2.8	2.7
12:00	167.6	168.4	170.6	169.1	66.6	64.3	60.8	1.2	1.2
13:00	327.2	316.9	331.4	312.6	44.3	43.7	42.3	1.1	1.3
14:00	155.3	185.0	166.9	197.7	60.3	71.2	73.1	.7	.7
15:00	116.6	141.5	95.5	125.8	49.4	45.4	49.2	.8	.8
16:00	81.4	79.6	100.7	75.7	55.1	54.5	51.2	2.5	2.7
17:00	316.5	337.9	293.1	330.8	71.1	70.3	64.8	.5	1.0
18:00	357.4	10.7	332.5	4.6	25.4	22.5	28.8	.9	1.7
19:00	35.1	48.0	314.8	43.7	42.3	36.0	25.1	.7	1.1
20:00	32.3	100.8	315.4	96.5	19.2	47.7	25.3	.5	.1
21:00	76.4	101.4	322.7	101.2	58.3	45.2	57.8	.3	.4
22:00	241.3	221.1	297.2	221.1	37.3	41.4	35.8	.8	1.3
23:00	235.1	234.9	264.8	236.3	49.7	14.2	11.8	1.2	2.2
Avg	63.0	84.0	354.0	82.0	43.9	40.1	36.1	.0	.0
Max	357.4	337.9	339.2	330.8	71.1	71.2	73.1	3.5	3.9
Hr. of Max	18	17	05	17	17	14	14	10	10
Min	28.1	10.7	11.8	4.6	19.2	14.2	9.9	.2	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/27/2014

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	.4	.7	.6	.6	1.0	1.0	1.0	-2.2	.00
01:00	.7	1.2	1.2	1.0	1.5	1.4	2.5	.9	.05
02:00	2.5	1.1	1.8	2.6	1.5	3.0	3.0	1.8	.04
03:00	.3	1.2	.8	.7	1.7	1.1	.7	-1.3	.00
04:00	.7	.5	.8	.7	.9	1.1	.9	.0	.02
05:00	.2	.4	.6	.5	.9	1.0	2.1	2.1	.05
06:00	1.6	.2	.7	1.9	.7	2.2	4.2	1.3	.06
07:00	2.5	.7	1.7	3.1	1.1	3.5	3.4	1.5	.06
08:00	1.2	.4	1.0	1.2	.9	1.6	1.4	.8	.02
09:00	2.2	2.3	2.3	2.5	2.8	3.0	.0	5.7	-.05
10:00	4.1	3.7	4.2	4.4	4.2	4.9	-.7	.8	-.10
11:00	2.3	3.4	3.3	2.9	3.9	3.4	-1.8	-6.2	-.09
12:00	1.2	2.2	2.1	2.0	2.9	2.9	-3.6	-6.5	-.13
13:00	1.4	2.1	2.1	2.1	2.5	2.7	-6.1	-8.9	-.32
14:00	.6	2.0	2.0	1.8	2.7	2.6	3.8	-4.3	.29
15:00	1.1	4.0	4.1	4.0	4.6	4.7	-3.6	-7.2	-.43
16:00	2.9	3.2	3.4	3.6	3.9	4.2	4.0	9.3	.16
17:00	1.0	1.6	2.0	2.0	2.2	2.7	-5.1	-5.7	-.24
18:00	1.7	1.0	1.8	1.9	1.3	2.3	-.9	.5	-.05
19:00	1.1	.9	1.2	1.2	1.2	1.6	2.8	1.0	.06
20:00	.3	.6	.2	.3	.9	.7	.3	-.6	.00
21:00	.2	.5	.4	.3	.8	.7	.3	-.5	.01
22:00	1.5	1.0	1.6	1.5	1.4	2.0	1.6	1.4	.01
23:00	2.9	1.4	2.2	3.0	1.8	3.4	-.6	.2	-.05
Avg	.0	1.5	1.8	1.9	2.0	2.4	.4	-.7	-.03
Max	4.1	4.0	4.2	4.4	4.6	4.9	4.2	9.3	.29
Hr. of Max	10	15	10	10	15	10	06	16	14
Min	.2	.2	.2	.3	.7	.7	-6.1	-8.9	-.43
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/27/2014

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	-.02	3.0	3.0	4.4	3.6	2.6	6.6	12.0
01:00	.03	4.8	5.0	3.4	6.3	3.9	9.1	14.0
02:00	.11	3.2	4.8	4.4	3.3	4.6	11.9	6.3
03:00	-.01	4.1	3.9	2.3	4.6	2.7	7.9	11.7
04:00	.01	1.4	2.5	2.5	2.0	2.7	6.1	7.8
05:00	.04	1.8	2.1	5.0	2.1	2.8	11.1	10.9
06:00	.06	1.1	3.7	4.4	1.8	5.3	11.4	7.2
07:00	.16	3.0	6.0	7.1	3.4	8.0	11.9	11.2
08:00	.00	2.7	2.3	2.7	3.5	3.2	16.0	10.1
09:00	.37	5.5	8.0	7.8	7.4	8.4	17.9	20.0
10:00	-.01	8.0	14.9	13.3	8.6	9.6	16.9	18.0
11:00	-.31	7.3	8.5	7.6	9.7	9.2	17.1	24.8
12:00	-.46	8.0	6.9	6.9	8.9	8.0	28.8	36.2
13:00	-.48	6.6	7.3	10.5	7.4	7.1	22.4	26.2
14:00	.11	8.9	8.7	8.7	9.4	9.9	30.1	36.1
15:00	-.59	13.7	15.3	14.0	12.1	11.0	23.4	25.2
16:00	.50	10.1	9.6	9.2	10.0	10.0	22.2	24.6
17:00	-.14	6.4	6.2	6.0	6.8	6.9	27.9	27.6
18:00	.02	3.2	3.4	4.1	3.6	4.5	16.9	19.2
19:00	.06	2.1	5.3	5.0	2.4	3.4	10.6	10.8
20:00	-.01	1.6	1.1	1.4	2.3	1.7	8.6	9.7
21:00	-.01	2.5	2.1	1.8	2.0	2.2	9.3	12.1
22:00	.06	4.4	4.1	4.1	4.9	4.5	10.8	17.0
23:00	.00	4.1	6.2	8.0	5.0	6.8	7.8	4.3
Avg	-.02	4.9	5.9	6.0	5.5	5.8	15.1	16.8
Max	.50	13.7	15.3	14.0	12.1	11.0	30.1	36.2
Hr. of Max	16	15	15	15	15	15	14	12
Min	-.59	1.1	1.1	1.4	1.8	1.7	6.1	4.3
Count	24	24	24	24	24	24	24	24
Total								