Date Printed: 10/01/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/30/2014

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	16.0	17.2	17.5	18.1	1.14	1.45	2.03	.31	.90
01:00	15.6	16.8	17.1	17.5	1.15	1.48	1.90	.33	.75
02:00	15.1	16.3	16.7	17.1	1.28	1.65	2.01	.37	.73
03:00	14.9	15.8	16.0	16.6	.83	1.08	1.61	.25	.79
04:00	14.5	15.3	15.7	16.0	.80	1.12	1.46	.32	.67
05:00	14.4	15.1	15.2	15.5	.69	.82	1.17	.13	.48
06:00	15.0	15.0	15.3	15.8	.01	.34	.76	.34	.76
07:00	15.5	15.4	15.6	15.8	-.12	.09	.28	.21	.40
08:00	16.1	16.0	15.9	16.0	-.15	-.26	-.19	-.10	-.04
09:00	17.0	16.8	16.6	16.6	-.24	-.37	-.35	-.14	-.11
10:00	17.7	17.3	17.1	17.2	-.40	-.54	-.52	-.14	-.12
11:00	18.7	18.0	17.8	17.8	-.66	-.88	-.89	-.21	-.23
12:00	20.0	19.0	18.9	19.0	-1.01	-1.09	-1.05	-.08	-.04
13:00	22.6	20.9	20.9	20.8	-1.71	-1.66	-1.84	.04	-.14
14:00	24.8	23.7	23.3	23.2	-1.15	-1.51	-1.63	-.36	-.48
15:00	26.5	25.6	25.2	25.0	-.93	-1.27	-1.45	-.34	-.53
16:00	26.8	25.8	25.5	25.3	-1.01	-1.34	-1.47	-.33	-.46
17:00	26.8	26.3	26.0	25.9	-.47	-.76	-.87	-.28	-.40
18:00	23.2	24.4	25.5	25.6	1.19	2.30	2.44	1.11	1.25
19:00	20.1	21.9	23.0	23.7	1.81	2.96	3.60	1.16	1.79
20:00	18.5	20.2	20.8	22.1	1.67	2.27	3.59	.60	1.92
21:00	17.9	19.0	19.5	20.2	1.18	1.65	2.38	.46	1.20
22:00	17.2	18.2	18.5	19.0	1.03	1.37	1.83	.34	.80
23:00	16.2	17.3	17.5	18.3	1.12	1.30	2.07	.18	.95
Avg	18.8	19.1	19.2	19.5	.25	.43	.70	.17	.45
Max	26.8	26.3	26.0	25.9	1.81	2.96	3.60	1.16	1.92
Hr. of Max	17	17	17	17	19	19	19	19	20
Min	14.4	15.0	15.2	15.5	-1.71	-1.66	-1.84	-.36	-.53
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/30/2014

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	14.6	16.1	15.1	23.4	92.9	95.0	12.5	13.6	0.010713
01:00	14.3	15.7	14.7	23.2	93.1	95.1	12.2	13.4	0.01049
02:00	13.8	15.3	14.2	22.9	93.6	95.4	11.9	13.1	0.010147
03:00	13.7	14.9	14.1	22.7	93.9	96.2	11.8	12.7	0.010118
04:00	13.5	14.5	13.8	22.5	94.7	96.5	11.6	12.4	0.009936
05:00	13.3	14.3	13.7	22.3	95.1	96.7	11.6	12.3	0.009858
06:00	14.0	14.2	14.4	22.1	95.6	96.8	12.1	12.2	0.010322
07:00	14.5	14.7	14.8	22.0	95.6	97.2	12.4	12.6	0.010654
08:00	15.2	15.3	15.5	21.9	96.0	97.3	13.0	13.0	0.01115
09:00	16.0	16.0	16.3	21.8	95.9	97.4	13.6	13.7	0.011749
10:00	16.3	16.5	16.8	21.8	93.5	97.0	13.9	14.0	0.011975
11:00	16.6	16.6	17.3	21.9	89.5	93.3	14.1	14.1	0.012228
12:00	16.6	16.2	17.7	22.0	82.3	85.4	14.0	13.7	0.012185
13:00	16.3	15.8	18.4	22.2	69.3	74.0	13.7	13.3	0.012044
14:00	15.6	15.7	18.7	22.6	57.9	62.5	13.0	13.1	0.011499
15:00	14.0	14.3	18.2	23.1	47.3	51.0	11.7	11.9	0.010399
16:00	13.9	13.8	18.2	23.6	46.3	48.7	11.6	11.6	0.010384
17:00	13.4	13.3	17.9	23.8	44.8	45.6	11.2	11.2	0.010025
18:00	15.8	14.9	18.3	24.0	64.9	57.1	13.2	12.5	0.011671
19:00	15.7	15.8	17.2	24.1	77.4	70.0	13.2	13.3	0.011545
20:00	15.6	16.5	16.6	24.0	84.7	81.2	13.2	14.0	0.011466
21:00	15.6	16.5	16.3	23.8	88.3	87.0	13.2	14.0	0.011444
22:00	15.4	16.2	16.0	23.6	91.2	89.7	13.1	13.7	0.011324
23:00	14.8	15.7	15.3	23.3	93.4	91.8	12.7	13.3	0.010888
Avg	14.9	15.4	16.2	22.9	82.4	83.2	12.7	13.0	0.011009
Max	16.6	16.6	18.7	24.1	96.0	97.4	14.1	14.1	0.012228
Hr. of Max	12	11	14	19	08	09	11	11	11
Min	13.3	13.3	13.7	21.8	44.8	45.6	11.2	11.2	0.009858
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/30/2014

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	0.01178	16.7	18.3	.00	29.05	983.8	-1.4	.00	284.9
01:00	0.011525	16.3	17.9	.00	29.05	983.7	-1.4	.00	38.0
02:00	0.011227	15.8	17.4	.00	29.04	983.6	-2.1	.00	252.7
03:00	0.010925	15.7	17.0	.00	29.04	983.3	-3.4	.00	91.4
04:00	0.010661	15.5	16.6	.00	29.04	983.4	-2.2	.00	223.8
05:00	0.010478	15.3	16.3	.00	29.05	983.7	-1.5	.00	248.2
06:00	0.010453	16.1	16.3	.00	29.05	983.8	-1.7	.00	214.6
07:00	0.01076	16.6	16.7	.00	29.06	984.2	2.5	.00	226.0
08:00	0.011193	17.3	17.4	.00	29.08	984.6	45.7	.07	219.9
09:00	0.011754	18.3	18.3	.00	29.08	984.7	115.3	.17	213.2
10:00	0.012115	18.6	18.8	.00	29.08	984.7	178.0	.26	239.6
11:00	0.012216	19.0	19.0	.00	29.07	984.5	193.3	.28	234.3
12:00	0.011883	18.9	18.5	.00	29.07	984.3	297.8	.43	263.5
13:00	0.01159	18.7	18.0	.00	29.05	983.8	834.1	1.20	122.4
14:00	0.011587	17.8	18.0	.00	29.02	982.8	776.7	1.11	98.4
15:00	0.01061	16.2	16.5	.00	29.00	982.2	712.1	1.02	65.9
16:00	0.010288	16.1	16.0	.00	28.99	981.7	523.5	.75	98.4
17:00	0.00993	15.6	15.4	.00	28.98	981.4	305.6	.44	92.2
18:00	0.01104	18.1	17.1	.00	28.98	981.6	90.5	.13	324.5
19:00	0.011664	17.9	18.1	.00	29.00	982.0	2.7	.00	356.2
20:00	0.012195	17.8	18.9	.00	29.01	982.4	-2.6	.00	337.2
21:00	0.012146	17.8	18.8	.00	29.03	983.0	-1.4	.00	303.2
22:00	0.011876	17.6	18.4	.00	29.03	983.2	-1.8	.00	21.3
23:00	0.011494	16.9	17.8	.00	29.04	983.3	-1.3	.00	31.2
Avg	0.011308	17.1	17.6	.00	29.04	983.3	169.0	.24	268.0
Max	0.012216	19.0	19.0	.00	29.08	984.7	834.1	1.20	356.2
Hr. of Max	11	11	11	23	10	10	13	13	19
Min	0.00993	15.3	15.4	.00	28.98	981.4	-3.4	.00	21.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/30/2014

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	235.1	137.1	288.5	113.7	38.0	43.3	36.7	.3	.3
01:00	51.0	50.6	39.7	45.9	35.6	11.6	11.3	.3	1.3
02:00	151.6	117.3	264.9	114.8	42.1	33.2	18.6	.6	.2
03:00	311.0	100.0	252.9	68.4	32.6	17.6	19.2	.3	.2
04:00	45.7	42.3	247.5	35.3	41.6	19.2	18.6	.1	.3
05:00	238.8	196.8	260.8	205.5	18.3	25.5	17.8	.9	.7
06:00	234.2	252.8	256.4	253.4	45.1	46.9	18.4	.3	.4
07:00	250.7	255.4	237.9	256.4	24.9	20.1	10.7	.9	1.4
08:00	270.2	268.0	241.7	268.1	42.3	38.5	25.6	.4	1.2
09:00	234.4	237.7	228.0	233.9	27.7	24.2	20.6	1.3	1.7
10:00	248.1	239.6	252.8	240.4	33.7	22.3	18.4	1.9	2.6
11:00	236.1	227.0	243.8	227.3	41.1	28.1	22.9	1.7	2.4
12:00	259.2	251.4	270.1	255.6	70.3	58.7	46.7	1.0	1.3
13:00	125.7	131.3	129.4	130.4	41.0	54.4	49.3	2.1	1.8
14:00	108.2	103.3	108.0	100.3	38.6	36.9	35.6	2.3	2.2
15:00	58.5	62.6	72.5	57.5	39.5	34.2	31.2	2.2	2.4
16:00	99.3	98.0	107.3	94.2	18.7	17.9	16.6	3.9	4.2
17:00	94.5	93.5	107.1	88.6	47.8	34.1	30.2	1.2	1.5
18:00	53.6	48.0	331.1	41.5	20.1	56.0	32.2	.6	.4
19:00	54.7	48.2	2.6	45.1	22.2	13.8	21.2	.9	2.0
20:00	66.6	52.6	341.2	49.0	26.6	12.7	11.0	.3	1.4
21:00	82.2	86.7	310.9	79.8	37.0	30.9	22.5	.1	.3
22:00	65.0	65.5	22.2	61.8	24.8	10.2	5.3	.8	1.6
23:00	83.9	60.4	42.0	56.6	50.9	16.3	6.4	.7	1.3
Avg	106.0	100.0	282.0	85.0	35.9	29.4	22.8	.0	.0
Max	311.0	268.0	341.2	268.1	70.3	58.7	49.3	3.9	4.2
Hr. of Max	03	08	20	08	12	12	13	16	16
Min	45.7	42.3	2.6	35.3	18.3	10.2	5.3	.1	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/30/2014

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	.0	.6	.3	.0	1.1	.3	3.0	-1.1	.05
01:00	1.4	.4	1.4	1.5	.8	1.9	3.1	.4	.05
02:00	.4	.6	.5	.6	1.1	1.1	2.3	.5	.04
03:00	.2	.4	.5	.2	.7	.6	1.8	-.9	.02
04:00	.8	.1	.3	.9	.7	1.4	1.3	.2	.02
05:00	.7	.9	.7	1.2	1.5	1.6	.9	.8	.01
06:00	1.2	.3	.5	1.3	.9	1.6	1.3	.6	.02
07:00	2.1	1.0	1.5	2.1	1.5	2.5	2.8	.1	.06
08:00	1.9	.4	1.3	2.0	1.1	2.4	3.5	.1	.06
09:00	2.1	1.4	1.8	2.3	2.1	2.6	3.5	6.2	.06
10:00	3.0	2.2	2.8	3.1	2.8	3.6	-3.7	-3.2	-.21
11:00	2.7	2.1	2.7	3.0	2.7	3.5	2.6	-.9	.01
12:00	1.5	1.5	1.6	1.7	2.1	2.4	-2.3	-13.4	-.08
13:00	1.7	2.7	2.6	2.6	3.4	3.3	1.7	-4.3	.14
14:00	2.0	2.7	2.4	2.3	3.3	3.0	-5.0	-17.3	-.19
15:00	2.2	2.7	2.8	2.6	3.3	3.3	-3.8	-8.9	-.25
16:00	4.3	4.1	4.4	4.4	4.6	4.8	-.9	-4.2	-.08
17:00	1.7	1.5	1.8	2.2	2.2	2.8	7.3	9.5	.25
18:00	.6	.7	.5	.8	1.1	1.2	4.9	5.1	.08
19:00	2.1	1.0	2.0	2.2	1.3	2.5	1.7	2.3	.05
20:00	1.8	.4	1.5	2.0	.6	2.4	1.9	1.4	.02
21:00	.5	.4	.3	.5	.7	.9	2.5	-1.0	.03
22:00	2.3	.8	1.7	2.3	1.1	2.7	.2	1.5	-.01
23:00	2.5	.8	1.4	2.6	1.2	2.9	2.7	2.2	.07
Avg	.0	1.2	1.6	1.9	1.7	2.3	1.4	-1.0	.01
Max	4.3	4.1	4.4	4.4	4.6	4.8	7.3	9.5	.25
Hr. of Max	16	16	16	16	16	16	17	17	17
Min	.0	.1	.3	.0	.6	.3	-5.0	-17.3	-.25
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/30/2014

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	-.01	2.1	1.8	.0	2.7	.9	6.5	5.3
01:00	.02	1.6	2.3	3.0	1.9	3.2	8.7	4.5
02:00	.01	1.8	2.3	2.1	2.3	1.9	5.8	5.8
03:00	-.01	2.1	4.4	2.7	2.6	2.0	6.3	7.3
04:00	.01	1.4	1.6	2.1	1.9	2.3	6.1	6.1
05:00	.03	2.5	3.2	2.5	2.9	2.9	5.7	6.1
06:00	.04	1.6	1.6	4.1	2.2	3.0	8.5	6.7
07:00	.00	2.3	3.0	3.9	2.9	4.4	12.1	8.3
08:00	-.03	3.2	3.7	5.7	2.7	5.1	22.9	12.8
09:00	.24	4.1	4.8	5.3	5.9	6.2	21.0	11.2
10:00	-.27	5.3	6.4	9.2	6.1	7.0	19.2	16.3
11:00	-.04	6.6	5.5	6.2	6.9	6.9	23.0	19.9
12:00	-.57	5.7	4.6	6.0	6.1	6.9	29.6	33.0
13:00	-.17	8.0	7.1	6.9	9.2	8.4	26.6	30.5
14:00	-1.00	6.9	7.1	6.2	8.4	6.8	26.4	28.7
15:00	-.53	7.8	8.5	6.2	7.8	7.8	27.5	30.6
16:00	-.32	8.5	8.7	9.6	9.1	9.5	17.3	17.0
17:00	.50	4.6	5.5	6.2	6.6	7.1	28.8	30.0
18:00	.16	2.1	3.0	3.7	2.4	4.0	15.5	17.1
19:00	.10	2.5	3.4	3.7	3.0	4.1	7.5	5.5
20:00	.07	2.3	3.7	3.9	2.5	4.3	6.6	4.8
21:00	-.01	1.8	1.6	2.7	2.5	2.3	7.5	6.7
22:00	.07	2.5	3.2	3.7	2.8	4.0	6.7	3.2
23:00	.13	2.3	2.5	4.4	2.5	4.1	9.1	3.6
Avg	-.07	3.7	4.1	4.6	4.3	4.8	14.8	13.4
Max	.50	8.5	8.7	9.6	9.2	9.5	29.6	33.0
Hr. of Max	17	16	16	16	13	16	12	12
Min	-1.00	1.4	1.6	.0	1.9	.9	5.7	3.2
Count	24	24	24	24	24	24	24	24
Total								