Date Printed: 08/29/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/28/2015

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	18.9	20.3	20.5	20.8	1.37	1.59	1.87	.22	.50
01:00	17.6	19.5	19.6	19.8	1.83	1.94	2.18	.11	.34
02:00	17.5	18.9	19.1	19.4	1.45	1.59	1.93	.14	.48
03:00	16.6	18.4	18.6	18.9	1.84	1.97	2.32	.13	.48
04:00	16.6	18.0	18.1	18.4	1.50	1.55	1.84	.05	.34
05:00	15.9	17.5	17.6	17.8	1.61	1.73	1.99	.12	.38
06:00	15.6	17.2	17.3	17.6	1.62	1.71	1.96	.09	.34
07:00	15.5	16.8	17.1	17.3	1.25	1.53	1.78	.28	.53
08:00	18.1	18.0	18.0	18.1	-.09	-.12	-.04	-.03	.05
09:00	20.9	20.5	20.2	20.1	-.45	-.73	-.85	-.27	-.40
10:00	23.1	22.3	22.0	21.9	-.84	-1.09	-1.18	-.24	-.33
11:00	25.1	24.2	24.0	23.9	-.87	-1.11	-1.21	-.25	-.35
12:00	26.7	25.7	25.4	25.3	-.98	-1.28	-1.41	-.29	-.43
13:00	27.9	26.8	26.4	26.3	-1.11	-1.44	-1.56	-.33	-.45
14:00	28.7	27.6	27.3	27.2	-1.10	-1.43	-1.57	-.33	-.47
15:00	29.4	28.4	28.1	28.0	-.99	-1.27	-1.42	-.28	-.43
16:00	29.7	28.8	28.5	28.4	-.84	-1.11	-1.23	-.27	-.39
17:00	29.6	29.1	28.8	28.7	-.49	-.81	-.96	-.32	-.47
18:00	27.6	27.9	28.3	28.2	.27	.64	.63	.37	.36
19:00	24.7	25.6	27.2	27.6	.83	2.48	2.88	1.64	2.05
20:00	22.5	24.2	25.0	25.3	1.68	2.51	2.82	.83	1.13
21:00	21.3	22.9	23.4	23.6	1.59	2.02	2.29	.43	.70
22:00	20.3	21.5	22.1	22.6	1.25	1.81	2.26	.56	1.01
23:00	20.4	21.4	22.1	23.1	1.01	1.71	2.68	.69	1.67
Avg	22.1	22.6	22.7	22.8	.47	.60	.75	.13	.28
Max	29.7	29.1	28.8	28.7	1.84	2.51	2.88	1.64	2.05
Hr. of Max	16	17	17	17	03	20	19	19	19
Min	15.5	16.8	17.1	17.3	-1.11	-1.44	-1.57	-.33	-.47
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/28/2015

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	14.2	16.0	24.0	77.7	69.6	12.4	12.0	0.010694
01:00	14.7	14.3	15.7	23.9	84.5	73.4	12.5	12.1	0.010758
02:00	14.6	14.2	15.6	23.9	84.9	75.3	12.4	12.0	0.010683
03:00	14.4	14.3	15.1	23.8	88.2	78.1	12.3	12.1	0.010501
04:00	14.4	14.4	15.1	23.6	88.9	80.7	12.3	12.2	0.010559
05:00	14.2	14.5	14.8	23.5	91.6	84.0	12.2	12.3	0.010409
06:00	14.1	14.5	14.6	23.4	92.3	85.2	12.1	12.3	0.010324
07:00	14.1	14.4	14.6	23.3	92.6	87.2	12.1	12.3	0.01029
08:00	15.0	14.3	16.0	23.2	83.5	80.2	12.7	12.1	0.010905
09:00	15.4	14.6	17.2	23.1	72.0	70.3	12.9	12.3	0.011208
10:00	15.9	15.0	18.3	23.0	65.5	64.8	13.3	12.6	0.011639
11:00	16.0	15.3	19.1	23.1	58.5	58.6	13.3	12.7	0.011737
12:00	16.3	15.6	19.8	23.2	54.4	54.9	13.5	12.9	0.011993
13:00	16.3	15.5	20.1	23.5	50.6	51.5	13.5	12.9	0.011977
14:00	15.8	15.1	20.1	23.8	46.8	47.5	13.1	12.5	0.011654
15:00	14.7	14.1	19.6	24.0	42.1	42.7	12.2	11.7	0.010878
16:00	13.8	13.2	19.1	24.2	38.9	39.3	11.4	11.0	0.010233
17:00	13.4	12.6	18.8	24.4	38.2	37.3	11.2	10.7	0.010015
18:00	16.3	14.8	20.1	24.6	51.7	46.2	13.5	12.3	0.012024
19:00	17.8	16.3	20.1	24.8	67.0	58.0	14.9	13.6	0.013181
20:00	17.1	16.9	18.9	24.9	73.5	65.5	14.4	14.1	0.012617
21:00	17.4	18.3	18.7	24.9	79.9	77.2	14.7	15.5	0.012787
22:00	17.6	18.2	18.5	24.9	86.1	83.2	14.9	15.4	0.01292
23:00	17.8	17.9	18.7	24.8	86.9	82.2	15.1	15.2	0.013135
Avg	15.5	15.1	17.7	23.9	70.7	66.4	13.0	12.7	0.01138
Max	17.8	18.3	20.1	24.9	92.6	87.2	15.1	15.5	0.013181
Hr. of Max	23	21	19	22	07	07	23	21	19
Min	13.4	12.6	14.6	23.0	38.2	37.3	11.2	10.7	0.010015
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/28/2015

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	0.01043	16.7	16.3	.00	29.19	988.5	-1.1	.00	36.9
01:00	0.010478	16.8	16.4	.00	29.19	988.5	-2.9	.00	42.4
02:00	0.010387	16.7	16.2	.00	29.18	988.1	-3.4	.00	38.7
03:00	0.010455	16.4	16.3	.00	29.17	987.9	-3.5	-.01	31.1
04:00	0.010535	16.5	16.5	.00	29.18	988.1	-3.6	-.01	49.1
05:00	0.01057	16.3	16.5	.00	29.19	988.4	-3.4	.00	53.4
06:00	0.010576	16.1	16.5	.00	29.20	988.9	-3.4	.00	49.1
07:00	0.010499	16.1	16.4	.00	29.22	989.7	34.3	.05	44.7
08:00	0.010421	17.1	16.3	.00	29.25	990.5	213.6	.31	115.3
09:00	0.010643	17.5	16.7	.00	29.26	991.0	434.0	.62	92.8
10:00	0.010947	18.2	17.1	.00	29.27	991.3	629.8	.90	103.4
11:00	0.011158	18.4	17.5	.00	29.28	991.5	783.7	1.12	166.7
12:00	0.011401	18.7	17.8	.00	29.27	991.1	883.4	1.27	159.3
13:00	0.011402	18.7	17.8	.00	29.24	990.3	923.2	1.32	128.7
14:00	0.011076	18.2	17.3	.00	29.22	989.6	850.4	1.22	145.0
15:00	0.010414	17.0	16.3	.00	29.20	988.8	867.8	1.24	153.6
16:00	0.009831	16.0	15.4	.00	29.18	988.1	699.1	1.00	275.2
17:00	0.009501	15.7	14.9	.00	29.17	987.9	453.1	.65	214.7
18:00	0.010915	18.7	17.0	.00	29.17	987.8	205.2	.29	311.2
19:00	0.011995	20.5	18.7	.00	29.17	987.9	46.3	.07	316.0
20:00	0.012449	19.6	19.4	.00	29.18	988.2	-1.6	.00	336.6
21:00	0.013607	19.9	21.2	.00	29.21	989.2	-2.1	.00	350.7
22:00	0.013473	20.1	21.0	.00	29.23	989.8	-1.0	.00	275.2
23:00	0.013227	20.5	20.6	.00	29.24	990.2	-2.8	.00	310.6
Avg	0.0111	17.8	17.3	.00	29.21	989.2	291.5	.42	52.0
Max	0.013607	20.5	21.2	.00	29.28	991.5	923.2	1.32	350.7
Hr. of Max	21	23	21	23	11	11	13	13	21
Min	0.009501	15.7	14.9	.00	29.17	987.8	-3.6	-.01	31.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/28/2015

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	57.5	63.4	39.8	59.8	20.2	11.0	6.6	2.1	4.8
01:00	58.7	57.9	46.2	54.1	22.2	13.0	8.7	1.6	3.6
02:00	51.3	60.9	40.6	57.0	19.7	8.0	4.7	2.0	4.4
03:00	51.7	62.6	33.1	59.0	14.1	8.1	5.4	1.8	3.4
04:00	54.0	59.0	50.8	55.6	15.9	8.7	4.4	1.6	3.0
05:00	50.1	56.7	59.3	54.0	16.7	7.6	4.5	1.2	2.9
06:00	53.8	56.7	54.7	52.9	18.5	10.4	4.6	1.2	2.4
07:00	61.9	53.4	53.1	50.3	51.0	11.5	5.4	.4	1.3
08:00	77.9	54.3	121.7	51.9	61.7	25.3	18.7	.5	1.4
09:00	85.7	76.0	93.7	72.4	17.9	15.7	15.7	3.6	4.0
10:00	104.3	96.7	104.6	93.6	23.0	21.5	25.8	3.1	3.1
11:00	177.3	192.6	176.3 +	189.8	55.7	54.2	49.5	1.0	1.1
12:00	159.7	170.4	163.1 +	164.4	51.9	44.4	42.9	1.7	2.1
13:00	130.4	125.7	136.9	124.8	50.7	44.5	40.1	2.6	3.0
14:00	147.8	152.0	150.4	151.1	29.8	27.9	28.8	2.9	3.2
15:00	162.0	192.6	161.7	194.8	58.7	62.1	76.2	1.8	1.8
16:00	277.3	268.2	281.0	270.0	64.9	55.0	48.9	1.7	2.1
17:00	217.0	231.4	216.5	232.3	36.8	35.7	30.9	2.0	2.2
18:00	332.2	331.6	309.4	326.5	24.0	25.0	16.7	1.4	2.5
19:00	5.9	357.2	315.5	351.4	20.7	15.7	21.1	.8	1.6
20:00	47.6	66.4	348.9	64.4	20.9	12.5	12.7	.4	1.7
21:00	74.8	68.2	1.9	66.3	31.3	14.7	11.3	.5	.9
22:00	102.3	90.5	267.9	91.4	30.7	29.3	14.2	1.4	.7
23:00	93.3	223.9	309.7	220.5	47.1	43.8	54.5	.6	.0
Avg	80.0	80.0	58.0	77.0	33.5	25.2	23.0	.0	.0
Max	332.2	357.2	348.9	351.4	64.9	62.1	76.2	3.6	4.8
Hr. of Max	18	19	20	19	16	15	15	09	00
Min	5.9	53.4	1.9	50.3	14.1	7.6	4.4	.4	.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/28/2015

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	7.0	2.2	4.9	7.1	2.4	7.3	-4.9	1.2	-.28
01:00	5.5	1.8	3.7	5.6	2.0	5.9	-2.5	.1	-.15
02:00	6.2	2.1	4.5	6.3	2.2	6.5	-4.4	.0	-.25
03:00	4.8	1.8	3.4	4.9	1.9	5.1	-1.4	.3	-.11
04:00	4.5	1.6	3.0	4.5	1.7	4.7	-2.6	1.0	-.10
05:00	4.0	1.2	2.9	4.1	1.4	4.3	-.6	2.9	-.04
06:00	4.3	1.2	2.5	4.3	1.3	4.6	1.2	.2	.01
07:00	2.6	.5	1.4	2.6	.8	2.8	2.4	1.4	.03
08:00	2.3	.7	1.6	2.4	1.1	2.7	1.5	6.4	.03
09:00	4.0	3.8	4.2	4.1	4.2	4.5	-.1	.1	-.06
10:00	2.9	3.3	3.3	3.2	3.8	3.7	.1	-.2	.02
11:00	1.4	2.4	2.3	2.2	3.1	2.9	1.0	-1.2	.15
12:00	2.4	2.8	2.9	3.1	3.5	3.8	-.1	-.6	-.02
13:00	3.3	3.4	3.6	3.9	4.1	4.6	3.6	-.7	.14
14:00	3.3	3.3	3.6	3.7	4.0	4.4	2.2	-1.1	.15
15:00	1.8	2.6	2.8	3.0	3.2	3.6	-.6	.1	-.01
16:00	2.5	2.7	2.9	3.1	3.0	3.6	-2.9	-3.5	-.27
17:00	2.5	2.4	2.6	2.8	2.9	3.3	1.7	2.3	.06
18:00	2.8	1.5	2.7	3.0	1.7	3.2	4.2	3.9	.05
19:00	2.3	.9	1.9	2.7	1.1	2.9	3.6	6.6	.08
20:00	2.2	.4	1.8	2.2	.7	2.5	2.7	2.6	.03
21:00	1.8	.7	1.0	1.9	.9	2.1	1.7	2.3	.02
22:00	.9	1.7	1.4	2.2	2.0	2.5	.4	.5	-.02
23:00	.9	.7	.8	1.0	1.0	1.3	1.1	-2.2	.01
Avg	.0	1.9	2.7	3.5	2.3	3.9	.3	.9	-.02
Max	7.0	3.8	4.9	7.1	4.2	7.3	4.2	6.6	.15
Hr. of Max	00	09	00	00	09	00	18	19	14
Min	.9	.4	.8	1.0	.7	1.3	-4.9	-3.5	-.28
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/28/2015

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	.14	6.0	9.6	17.2	5.7	11.6	13.0	5.0
01:00	-.03	4.1	7.6	8.9	6.2	9.7	12.5	5.8
02:00	-.01	5.0	7.8	13.5	5.2	8.8	13.7	3.6
03:00	.02	6.0	7.8	8.2	4.5	8.5	11.8	4.2
04:00	.07	4.8	6.9	9.6	3.3	8.0	9.3	3.6
05:00	.21	4.1	4.6	8.0	2.9	6.6	11.6	3.6
06:00	.00	3.7	6.2	7.6	2.7	6.8	11.3	4.0
07:00	.06	1.8	3.9	7.1	2.0	5.0	8.7	4.4
08:00	.29	4.1	4.6	5.3	5.1	6.1	21.3	15.6
09:00	-.07	8.5	7.1	7.6	9.3	8.6	15.8	15.8
10:00	.10	8.0	7.6	6.6	8.6	7.5	18.1	22.8
11:00	.09	8.7	8.0	9.2	8.8	12.1	28.5	35.0
12:00	-.09	7.3	7.8	8.5	9.9	9.1	27.2	31.9
13:00	-.07	9.8	8.2	9.8	10.6	10.4	24.3	27.9
14:00	.00	7.3	8.0	8.9	9.4	9.6	22.1	24.4
15:00	-.09	7.6	8.5	7.8	8.1	9.4	28.0	30.7
16:00	-.24	8.2	7.8	8.0	7.9	7.7	28.0	29.7
17:00	.13	6.4	6.9	9.2	7.6	6.9	24.5	24.8
18:00	.17	3.4	4.8	5.0	4.2	5.4	18.2	14.9
19:00	.35	3.2	7.8	8.0	3.4	4.5	14.0	7.0
20:00	.13	2.3	5.3	6.6	2.2	3.9	11.0	6.0
21:00	.09	2.3	3.0	5.5	2.6	3.2	8.0	4.8
22:00	.04	8.5	10.1	11.7	9.1	12.6	7.3	5.8
23:00	-.05	5.7	9.4	8.7	4.0	6.9	10.3	12.0
Avg	.05	5.7	7.1	8.6	6.0	7.9	16.6	14.3
Max	.35	9.8	10.1	17.2	10.6	12.6	28.5	35.0
Hr. of Max	19	13	22	00	13	22	11	11
Min	-.24	1.8	3.0	5.0	2.0	3.2	7.3	3.6
Count	24	24	24	24	24	24	24	24
Total								