Date Printed: 10/10/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/9/2014

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	12.9	14.1	14.2	14.8	1.20	1.30	1.91	.11	.71
01:00	12.3	13.6	13.8	14.6	1.28	1.50	2.32	.22	1.04
02:00	11.7	13.1	13.3	14.3	1.39	1.63	2.59	.24	1.20
03:00	11.3	12.4	13.0	13.5	1.16	1.68	2.23	.51	1.07
04:00	11.0	12.2	12.6	13.1	1.23	1.57	2.12	.34	.89
05:00	10.9	12.0	12.4	12.9	1.14	1.47	1.94	.33	.81
06:00	11.0	12.0	12.2	12.4	1.02	1.17	1.43	.15	.41
07:00	10.9	12.0	12.1	12.3	1.03	1.13	1.32	.10	.28
08:00	11.9	12.2	12.2	12.4	.35	.33	.53	-.02	.17
09:00	13.9	13.7	13.5	13.4	-.27	-.45	-.48	-.18	-.21
10:00	17.0	16.5	16.2	16.2	-.57	-.80	-.87	-.23	-.30
11:00	19.1	18.4	18.2	18.1	-.61	-.88	-.96	-.26	-.34
12:00	21.8	20.9	20.7	20.6	-.84	-1.10	-1.17	-.26	-.33
13:00	22.5	21.9	21.7	21.6	-.56	-.78	-.86	-.22	-.31
14:00	22.0	21.7	21.4	21.3	-.30	-.56	-.66	-.26	-.35
15:00	23.5	22.7	22.4	22.3	-.77	-1.06	-1.19	-.29	-.42
16:00	23.7	23.0	22.7	22.6	-.62	-.93	-1.09	-.31	-.47
17:00	23.6	23.1	22.9	22.8	-.43	-.69	-.81	-.26	-.37
18:00	21.4	22.2	22.5	22.5	.86	1.10	1.17	.24	.31
19:00	18.9	20.0	21.0	21.3	1.09	2.06	2.41	.97	1.32
20:00	17.5	18.9	19.4	20.3	1.40	1.91	2.79	.51	1.39
21:00	16.6	17.9	18.3	18.9	1.28	1.62	2.27	.34	1.00
22:00	16.4	17.4	17.5	18.3	1.01	1.15	1.89	.14	.88
23:00	16.5	17.2	17.3	17.7	.62	.77	1.13	.15	.51
Avg	16.6	17.0	17.1	17.4	.46	.55	.83	.09	.37
Max	23.7	23.1	22.9	22.8	1.40	2.06	2.79	.97	1.39
Hr. of Max	16	17	17	17	20	19	20	19	20
Min	10.9	12.0	12.1	12.3	-.84	-1.10	-1.19	-.31	-.47
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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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	11.7	12.8	12.1	19.6	94.1	93.3	10.5	11.2	0.008812
01:00	11.2	12.4	11.6	19.4	94.1	93.9	10.1	10.9	0.00848
02:00	10.6	12.0	10.9	19.1	94.2	94.7	9.7	10.6	0.008138
03:00	10.2	11.6	10.6	18.9	94.5	95.7	9.5	10.4	0.007958
04:00	10.0	11.3	10.3	18.6	94.7	95.4	9.4	10.2	0.007834
05:00	10.0	11.1	10.3	18.4	95.2	95.3	9.4	10.1	0.007821
06:00	10.1	11.0	10.4	18.2	95.1	95.1	9.4	10.0	0.007861
07:00	10.0	10.9	10.3	18.0	95.0	94.7	9.4	10.0	0.00782
08:00	10.8	11.0	11.1	17.8	94.5	93.3	9.9	10.0	0.008266
09:00	12.1	11.7	12.7	17.7	90.1	89.6	10.7	10.4	0.009013
10:00	13.2	12.5	14.5	17.6	79.5	78.9	11.4	10.9	0.009712
11:00	13.7	13.2	15.5	17.8	72.2	72.8	11.6	11.3	0.010023
12:00	14.9	14.4	17.2	18.2	66.3	67.7	12.5	12.2	0.010889
13:00	15.9	15.7	18.1	18.7	67.9	69.2	13.3	13.2	0.011656
14:00	16.2	15.9	18.1	19.1	71.0	71.2	13.6	13.4	0.011831
15:00	16.1	16.0	18.5	19.4	64.7	67.3	13.4	13.4	0.011777
16:00	15.8	15.8	18.4	19.7	62.9	65.1	13.2	13.2	0.011614
17:00	16.0	16.0	18.5	20.0	63.9	65.5	13.4	13.4	0.011747
18:00	16.8	16.5	18.4	20.1	77.2	71.6	14.2	13.8	0.012376
19:00	16.6	16.6	17.4	20.2	88.3	82.4	14.1	14.0	0.01218
20:00	15.9	16.4	16.4	20.2	91.8	87.1	13.5	13.9	0.011601
21:00	15.2	16.3	15.7	20.0	93.1	92.1	13.0	13.8	0.011122
22:00	15.2	16.1	15.6	19.9	94.1	93.7	12.9	13.7	0.011067
23:00	15.4	15.9	15.8	19.7	94.7	94.2	13.1	13.5	0.011254
Avg	13.5	13.9	14.5	19.0	84.5	84.2	11.7	12.0	0.010036
Max	16.8	16.6	18.5	20.2	95.2	95.7	14.2	14.0	0.012376
Hr. of Max	18	19	17	20	05	03	18	19	18
Min	10.0	10.9	10.3	17.6	62.9	65.1	9.4	10.0	0.00782
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/9/2014

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	0.009448	13.8	14.8	.00	29.21	989.1	-2.1	.00	42.0
01:00	0.009201	13.3	14.4	.00	29.21	989.1	-2.1	.00	42.8
02:00	0.00896	12.8	14.0	.00	29.21	989.1	-1.7	.00	56.4
03:00	0.008709	12.5	13.7	.00	29.20	988.9	-2.6	.00	292.8
04:00	0.008556	12.3	13.4	.00	29.20	989.0	-1.9	.00	61.2
05:00	0.008445	12.3	13.3	.00	29.21	989.1	-2.3	.00	43.9
06:00	0.008404	12.3	13.2	.00	29.22	989.5	-2.5	.00	67.1
07:00	0.008344	12.3	13.1	.00	29.22	989.6	2.4	.00	57.1
08:00	0.008349	13.0	13.1	.00	29.24	990.1	82.1	.12	71.9
09:00	0.008805	14.1	13.8	.00	29.25	990.5	229.4	.33	89.9
10:00	0.009291	15.2	14.6	.00	29.25	990.6	389.5	.56	103.2
11:00	0.009724	15.7	15.2	.00	29.25	990.6	481.7	.69	111.4
12:00	0.010557	17.0	16.5	.00	29.24	990.3	552.9	.79	195.4
13:00	0.011477	18.2	17.9	.00	29.23	989.8	318.4	.46	244.9
14:00	0.011638	18.5	18.2	.00	29.21	989.4	271.1	.39	175.4
15:00	0.011695	18.4	18.2	.00	29.19	988.5	552.9	.79	74.8
16:00	0.011568	18.1	18.0	.00	29.17	988.0	378.3	.54	76.1
17:00	0.01172	18.3	18.3	.00	29.16	987.6	239.8	.34	51.4
18:00	0.012115	19.3	18.9	.00	29.16	987.5	59.4	.09	14.1
19:00	0.012161	19.0	18.9	.00	29.16	987.5	-.9	.00	342.1
20:00	0.012017	18.1	18.7	.00	29.16	987.5	-2.3	.00	31.4
21:00	0.011932	17.4	18.6	.00	29.17	987.7	-2.4	.00	13.9
22:00	0.011749	17.3	18.3	.00	29.17	987.8	-3.0	.00	48.4
23:00	0.011646	17.6	18.2	.00	29.16	987.7	-2.9	.00	62.0
Avg	0.010271	15.7	16.1	.00	29.20	988.9	147.1	.21	57.0
Max	0.012161	19.3	18.9	.00	29.25	990.6	552.9	.79	342.1
Hr. of Max	19	18	19	23	11	11	15	15	19
Min	0.008344	12.3	13.1	.00	29.16	987.5	-3.0	.00	13.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/9/2014

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	64.2	64.9	52.4	62.4	12.4	6.8	5.6	1.0	1.6
01:00	63.2	57.9	51.5	54.9	31.8	19.1	7.7	.3	.9
02:00	66.5	35.2	53.4	29.5	37.6	13.6	11.0	.1	.9
03:00	27.3	115.0	302.3	109.5	50.5	38.9	60.7	.4	.4
04:00	69.4	62.5	43.2	59.2	41.5	17.4	10.8	.4	1.6
05:00	67.1	67.7	25.9	64.8	48.6	20.8	6.6	.8	1.9
06:00	57.1	57.0	73.9	53.5	27.2	15.7	7.5	.9	2.5
07:00	54.8	59.3	61.4	55.6	21.5	14.3	7.0	.9	2.3
08:00	70.3	63.9	69.8	60.2	27.2	16.9	8.0	.5	1.7
09:00	81.6	63.0	99.1	59.8	35.6	29.1	18.0	1.0	1.2
10:00	90.2	76.6	113.8	73.4	23.2	25.5	24.6	2.1	2.0
11:00	115.0	106.2	124.2	104.4	46.9	38.6	41.6	1.2	1.2
12:00	196.7	196.8	207.9	199.5	50.7	49.0	43.7	1.5	1.6
13:00	256.3	256.2	257.6	256.1	43.1	34.7	32.2	1.5	2.0
14:00	160.1	232.3	204.1	227.1	59.6	56.6	62.0	.1	.3
15:00	62.0	54.0	80.7	50.5	41.8	35.8	28.0	2.8	3.1
16:00	74.5	71.8	85.1	69.1	29.9	22.9	19.8	3.0	4.1
17:00	51.9	53.2	63.5	49.5	38.9	23.1	14.1	1.7	3.3
18:00	44.5	54.1	23.0	50.9	25.0	11.0	9.3	1.2	3.1
19:00	41.5	58.2	347.5	56.0	27.5	10.4	7.6	1.0	2.3
20:00	69.3	28.9	39.5	23.9	22.5	20.6	20.3	.9	1.7
21:00	59.5	73.1	20.4	70.6	28.8	14.4	9.8	.5	1.1
22:00	69.7	55.5	57.8	52.7	17.4	9.4	6.3	.8	1.9
23:00	62.5	57.7	70.3	54.3	19.8	12.5	4.9	1.4	3.1
Avg	69.0	65.0	59.0	61.0	33.7	23.2	19.5	.0	.0
Max	256.3	256.2	347.5	256.1	59.6	56.6	62.0	3.0	4.1
Hr. of Max	13	13	19	13	14	14	14	16	16
Min	27.3	28.9	20.4	23.9	12.4	6.8	4.9	.1	.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/9/2014

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	2.5	1.0	1.6	2.5	1.3	2.9	1.2	.6	.01
01:00	1.9	.4	.9	1.9	.9	2.3	2.7	-.6	.04
02:00	1.3	.1	1.0	1.4	.5	1.8	3.2	.6	.05
03:00	.2	.7	1.0	.5	1.2	1.0	2.9	-.6	.03
04:00	2.2	.4	1.7	2.2	.8	2.7	2.9	1.8	.03
05:00	2.7	.9	2.0	2.7	1.3	3.1	.8	.3	-.01
06:00	4.1	1.1	2.7	4.2	1.5	4.5	-.6	-.3	-.03
07:00	3.2	1.1	2.4	3.2	1.4	3.6	.6	-.7	-.02
08:00	2.8	.6	1.8	2.9	1.0	3.3	4.8	-.3	.10
09:00	1.7	1.2	1.3	1.8	1.7	2.2	-2.8	2.1	-.02
10:00	2.0	2.3	2.2	2.2	3.1	2.8	2.1	1.0	.21
11:00	1.2	1.6	1.7	1.7	2.4	2.3	-2.6	.2	-.07
12:00	1.8	2.0	2.2	2.3	2.7	2.9	-3.6	-7.1	-.19
13:00	2.4	2.3	2.9	3.4	2.8	4.0	-3.3	-3.8	-.21
14:00	.4	1.5	1.5	1.6	2.2	2.1	-2.4	-9.9	-.15
15:00	3.4	3.5	3.7	4.0	4.1	4.8	-2.9	.1	-.17
16:00	4.9	3.4	4.4	5.2	4.1	5.7	1.7	2.5	.07
17:00	4.2	2.1	3.6	4.4	2.6	4.8	2.8	1.6	.03
18:00	3.6	1.3	3.2	3.8	1.6	4.1	1.3	.2	-.02
19:00	2.8	1.1	2.4	2.8	1.5	3.1	2.5	.3	.04
20:00	1.9	1.0	1.8	2.1	1.3	2.4	4.5	3.7	.11
21:00	1.2	.6	1.1	1.3	1.0	1.7	3.1	-.4	.04
22:00	2.7	.9	1.9	2.7	1.2	3.1	1.1	2.4	.01
23:00	4.5	1.5	3.2	4.5	1.8	4.8	-.9	-2.0	-.08
Avg	.0	1.4	2.2	2.7	1.8	3.2	.8	-.3	-.01
Max	4.9	3.5	4.4	5.2	4.1	5.7	4.8	3.7	.21
Hr. of Max	16	15	16	16	16	16	08	20	10
Min	.2	.1	.9	.5	.5	1.0	-3.6	-9.9	-.21
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

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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	.04	2.1	2.7	3.9	2.4	4.3	6.2	2.6
01:00	-.02	2.3	2.1	5.5	2.5	3.4	8.0	3.4
02:00	.03	3.0	3.7	5.5	1.8	3.2	8.6	4.1
03:00	.00	3.0	2.3	2.1	3.6	2.4	8.5	6.9
04:00	.08	3.2	3.7	3.7	3.4	4.2	9.3	4.3
05:00	.02	3.7	4.4	5.7	3.7	5.4	8.2	3.0
06:00	-.03	3.0	6.0	8.2	4.6	6.3	8.6	3.3
07:00	-.04	2.7	4.1	8.0	3.4	6.3	9.6	3.3
08:00	-.01	3.0	3.9	4.8	3.3	5.4	13.7	4.0
09:00	.15	4.6	4.6	5.3	5.0	5.1	20.4	16.3
10:00	.17	5.5	5.3	4.8	6.2	6.1	20.5	24.5
11:00	-.11	4.8	4.8	7.1	5.8	5.1	25.1	32.2
12:00	-.59	6.0	5.5	5.7	6.8	6.4	24.7	30.2
13:00	-.36	13.3	12.4	16.5	12.8	17.6	24.9	24.2
14:00	-.44	6.9	7.6	8.7	9.2	10.2	27.6	26.8
15:00	-.01	10.8	9.8	11.7	11.4	11.9	21.0	26.4
16:00	.17	11.0	11.0	12.1	10.0	10.7	20.9	15.6
17:00	.12	8.7	10.3	9.4	6.4	8.4	24.2	14.1
18:00	.00	5.7	9.8	7.6	5.5	7.0	16.9	7.5
19:00	.00	4.6	7.3	6.2	3.7	5.6	11.6	5.6
20:00	.18	3.4	4.4	4.4	3.6	4.9	10.5	6.2
21:00	-.01	1.8	2.5	4.4	2.3	2.6	8.7	4.5
22:00	.13	2.3	3.2	4.8	2.6	5.1	7.9	4.1
23:00	-.17	3.2	5.0	8.2	3.6	7.4	9.9	2.7
Avg	-.03	4.9	5.7	6.8	5.2	6.5	14.8	11.5
Max	.18	13.3	12.4	16.5	12.8	17.6	27.6	32.2
Hr. of Max	20	13	13	13	13	13	14	11
Min	-.59	1.8	2.1	2.1	1.8	2.4	6.2	2.6
Count	24	24	24	24	24	24	24	24
Total								