Date Printed: 12/13/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

12/12/2014

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	-3.5	-1.9	-1.4	-.3	1.68	2.19	3.22	.51	1.54
01:00	-4.0	-2.3	-1.9	-.9	1.64	2.11	3.05	.46	1.41
02:00	-4.3	-2.8	-2.3	-1.2	1.54	2.08	3.11	.54	1.57
03:00	-4.5	-3.0	-2.5	-1.4	1.45	1.96	3.11	.51	1.66
04:00	-4.7	-3.2	-2.6	-1.7	1.50	2.09	2.93	.59	1.43
05:00	-5.3	-3.5	-3.1	-2.4	1.76	2.21	2.84	.45	1.08
06:00	-5.5	-4.4	-3.8	-3.0	1.12	1.66	2.52	.54	1.40
07:00	-5.7	-4.4	-3.9	-3.1	1.40	1.85	2.65	.46	1.25
08:00	-4.5	-4.2	-3.7	-3.0	.32	.80	1.43	.48	1.11
09:00	-1.0	-1.3	-1.4	-1.0	-.33	-.39	-.01	-.06	.32
10:00	2.3	1.6	1.4	1.3	-.64	-.90	-1.00	-.25	-.36
11:00	4.7	4.0	3.7	3.5	-.72	-1.05	-1.22	-.33	-.50
12:00	6.7	5.8	5.6	5.4	-.88	-1.11	-1.26	-.23	-.38
13:00	7.9	7.2	6.8	6.7	-.68	-1.01	-1.12	-.33	-.45
14:00	9.3	8.6	8.3	8.1	-.68	-1.03	-1.19	-.35	-.52
15:00	9.9	9.4	9.2	9.0	-.46	-.74	-.90	-.28	-.43
16:00	9.2	9.4	9.2	9.0	.21	-.04	-.19	-.25	-.39
17:00	5.4	8.1	8.5	8.7	2.73	3.13	3.37	.40	.64
18:00	2.9	5.7	6.5	7.6	2.80	3.61	4.69	.81	1.89
19:00	1.0	3.7	4.6	6.3	2.69	3.63	5.31	.94	2.62
20:00	-.5	2.2	3.3	4.8	2.70	3.79	5.36	1.09	2.66
21:00	-1.2	1.1	2.3	4.2	2.30	3.50	5.38	1.20	3.08
22:00	-1.8	.2	1.4	3.1	2.00	3.14	4.93	1.15	2.93
23:00	-2.5	-.6	.4	1.9	1.91	2.91	4.40	1.01	2.50
Avg	.4	1.5	1.9	2.6	1.06	1.43	2.14	.38	1.09
Max	9.9	9.4	9.2	9.0	2.80	3.79	5.38	1.20	3.08
Hr. of Max	15	16	16	16	18	20	21	21	21
Min	-5.7	-4.4	-3.9	-3.1	-.88	-1.11	-1.26	-.35	-.52
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)

12/12/2014

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	-5.2	-4.7	-4.6	5.7	88.9	81.2	3.3	3.4	0.002612
01:00	-5.5	-5.3	-5.0	5.5	89.7	80.7	3.3	3.3	0.00255
02:00	-5.8	-5.2	-5.3	5.4	90.0	84.0	3.2	3.3	0.002488
03:00	-5.9	-5.1	-5.4	5.3	90.1	86.1	3.2	3.4	0.002464
04:00	-6.1	-5.3	-5.6	5.2	90.1	85.5	3.1	3.3	0.00243
05:00	-6.7	-5.4	-6.2	5.1	90.0	87.1	3.0	3.3	0.002322
06:00	-6.9	-5.8	-6.4	5.0	90.2	90.3	2.9	3.2	0.002281
07:00	-7.2	-5.8	-6.7	4.9	89.7	90.1	2.9	3.2	0.002225
08:00	-6.1	-5.9	-5.5	4.8	88.9	87.7	3.1	3.2	0.002433
09:00	-3.8	-4.8	-2.8	4.7	81.8	77.5	3.7	3.4	0.002899
10:00	-3.0	-3.9	-1.3	4.6	68.5	67.1	3.9	3.6	0.00307
11:00	-3.3	-4.2	-.7	4.6	56.4	55.7	3.7	3.5	0.003009
12:00	-4.3	-5.2	-.7	4.6	45.9	45.8	3.5	3.3	0.002809
13:00	-5.1	-5.4	-.8	4.7	40.0	41.0	3.3	3.2	0.002657
14:00	-6.0	-6.7	-.9	4.8	33.9	33.7	3.0	2.9	0.002495
15:00	-6.2	-6.6	-.8	5.0	32.2	32.0	3.0	2.9	0.002462
16:00	-5.4	-6.5	-.5	5.3	35.7	32.4	3.2	2.9	0.002597
17:00	-3.6	-6.6	-.6	5.5	53.0	35.3	3.7	2.9	0.002966
18:00	-4.1	-4.5	-1.8	5.6	60.7	48.7	3.6	3.4	0.00285
19:00	-4.0	-3.9	-2.3	5.7	69.9	58.2	3.6	3.6	0.002864
20:00	-4.0	-3.8	-2.9	5.7	77.6	65.2	3.6	3.6	0.002849
21:00	-4.1	-3.6	-3.1	5.6	81.2	71.3	3.6	3.7	0.002833
22:00	-4.5	-4.2	-3.6	5.5	82.2	72.6	3.5	3.5	0.002752
23:00	-4.6	-4.6	-3.9	5.4	85.9	75.1	3.5	3.5	0.002722
Avg	-5.1	-5.1	-3.2	5.2	71.4	66.0	3.4	3.3	0.002652
Max	-3.0	-3.6	-.5	5.7	90.2	90.3	3.9	3.7	0.00307
Hr. of Max	10	21	16	20	06	06	10	21	10
Min	-7.2	-6.7	-6.7	4.6	32.2	32.0	2.9	2.9	0.002225
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)

12/12/2014

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	0.002706	4.2	4.3	.00	29.37	994.5	-2.5	.00	282.4
01:00	0.002595	4.1	4.1	.00	29.37	994.7	-2.3	.00	285.7
02:00	0.002607	4.0	4.2	.00	29.39	995.3	-2.7	.00	80.5
03:00	0.002626	3.9	4.2	.00	29.39	995.4	-2.8	.00	52.1
04:00	0.002583	3.9	4.1	.00	29.39	995.4	-2.3	.00	40.2
05:00	0.002568	3.7	4.1	.00	29.39	995.3	-2.5	.00	336.5
06:00	0.002488	3.6	4.0	.00	29.41	996.0	-2.6	.00	250.6
07:00	0.002485	3.6	4.0	.00	29.43	996.7	5.6	.01	281.1
08:00	0.002456	3.9	3.9	.00	29.45	997.4	178.8	.26	184.3
09:00	0.002681	4.6	4.3	.00	29.47	997.9	367.2	.53	129.3
10:00	0.002874	4.9	4.6	.00	29.47	998.1	437.3	.63	116.8
11:00	0.00282	4.8	4.5	.00	29.45	997.4	529.2	.76	121.9
12:00	0.002633	4.5	4.2	.00	29.42	996.2	561.5	.80	177.4
13:00	0.002594	4.2	4.1	.00	29.38	995.0	462.8	.66	128.4
14:00	0.002365	4.0	3.8	.00	29.36	994.5	437.9	.63	152.7
15:00	0.00237	3.9	3.8	.00	29.36	994.3	303.5	.44	161.7
16:00	0.002394	4.1	3.8	.00	29.37	994.5	128.9	.18	210.7
17:00	0.00238	4.7	3.8	.00	29.37	994.6	3.7	.01	324.2
18:00	0.002779	4.5	4.4	.00	29.38	994.9	-2.3	.00	59.7
19:00	0.002892	4.6	4.6	.00	29.39	995.2	-2.4	.00	76.5
20:00	0.002911	4.5	4.6	.00	29.39	995.3	-2.4	.00	46.0
21:00	0.002942	4.5	4.7	.00	29.39	995.3	-2.3	.00	67.6
22:00	0.00281	4.4	4.5	.00	29.39	995.4	-2.4	.00	45.4
23:00	0.002739	4.3	4.4	.00	29.39	995.3	-2.5	.00	285.1
Avg	0.002637	4.2	4.2	.00	29.40	995.6	141.0	.20	96.0
Max	0.002942	4.9	4.7	.00	29.47	998.1	561.5	.80	336.5
Hr. of Max	21	10	21	23	10	10	12	12	05
Min	0.002365	3.6	3.8	.00	29.36	994.3	-2.8	.00	40.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/12/2014

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	43.5	17.1	347.8	10.4	32.1	37.3	25.8	.1	.2
01:00	244.3	216.7	281.0	211.5	35.7	59.6	9.9	.0	.0
02:00	43.4	333.2	79.6	334.1	37.8	15.8	21.3	.0	.3
03:00	63.3	35.8	52.7	31.1	20.6	7.0	15.8	.4	1.5
04:00	62.0	67.1	39.0	63.6	52.6	7.7	5.0	.7	2.2
05:00	56.3	42.7	303.0	38.2	23.2	47.9	27.7	.4	.8
06:00	176.8	136.1	259.8	121.8	30.5	31.9	28.0	.5	.1
07:00	85.0	98.4	288.3	95.8	45.4	42.3	46.0	.4	.1
08:00	350.7	358.2	198.2	346.6	46.1	42.7	35.9	.4	.2
09:00	83.7	67.8	136.1	63.9	24.7	28.0	14.4	.7	.9
10:00	108.5	90.8	119.0	85.5	22.3	22.3	28.7	2.4	2.5
11:00	125.3	120.4	127.4	120.4	31.0	31.9	35.9	1.6	1.7
12:00	192.4	195.4	182.8	194.4	39.8	38.1	37.4	1.4	1.4
13:00	134.2	131.7	132.2	130.0	30.3	35.3	52.3	2.2	2.0
14:00	146.4	135.8	155.6	135.2	44.4	45.7	36.6	1.8	1.9
15:00	131.1	134.8	177.0	140.2	56.6	55.3	47.7	.5	.4
16:00	217.3	214.6	215.1	215.6	24.6	20.6	16.7	2.3	2.8
17:00	268.3	238.5	322.5	244.7	31.9	33.2	37.0	.4	1.2
18:00	64.4	39.6	65.2	33.5	34.3	8.8	8.4	.3	1.6
19:00	56.5	66.5	82.8	62.5	40.9	12.7	7.1	.2	1.1
20:00	66.9	78.6	17.5	76.8	38.2	27.0	10.8	.1	.5
21:00	42.7	13.9	89.9	10.1	56.9	33.1	45.8	.3	.4
22:00	61.7	51.3	59.0	45.9	40.6	8.8	8.0	.1	1.8
23:00	44.1	45.6	254.8	43.5	50.6	20.8	20.1	.0	.3
Avg	84.0	78.0	108.0	72.0	37.1	29.7	25.9	.0	.0
Max	350.7	358.2	347.8	346.6	56.9	59.6	52.3	2.4	2.8
Hr. of Max	08	08	00	08	21	01	13	10	16
Min	42.7	13.9	17.5	10.1	20.6	7.0	5.0	.0	.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/12/2014

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	.1	.2	.6	.6	1.2	1.6	-.8	.02
01:00	.2	.1	.0	.2	.6	.8	1.9	-.4	.02
02:00	.4	.1	.3	.4	.3	1.0	1.4	-1.4	.02
03:00	1.1	.4	1.5	1.2	.9	1.9	2.3	.0	.03
04:00	3.6	.8	2.3	3.6	1.2	4.1	1.5	.8	.04
05:00	2.0	.9	1.3	2.3	1.4	2.9	1.2	.9	.03
06:00	.1	.8	.5	.5	1.4	1.1	.5	-.4	.00
07:00	.2	.6	.3	.3	1.1	.9	1.9	-.9	.03
08:00	.3	.5	.3	.4	1.1	.9	1.6	1.9	.02
09:00	1.2	.8	1.0	1.2	1.4	1.8	4.6	-1.5	.17
10:00	2.0	2.7	2.7	2.3	3.3	3.0	-.5	-2.1	.02
11:00	1.3	2.0	2.0	1.8	2.8	2.6	.3	-1.4	.09
12:00	1.6	2.9	2.7	2.8	3.6	3.6	-2.1	-3.8	-.08
13:00	1.6	2.7	2.5	2.1	3.4	3.0	-2.8	-14.7	-.14
14:00	1.9	2.4	2.3	2.3	3.1	3.0	-.1	-10.9	.10
15:00	.4	1.5	1.5	1.4	2.1	2.3	-2.6	-4.3	-.09
16:00	3.0	2.7	3.1	3.3	3.1	3.8	.7	-.3	.01
17:00	1.6	1.1	1.6	1.7	1.5	2.2	2.3	.7	.04
18:00	1.2	.3	1.6	1.3	.8	1.7	1.9	.0	.02
19:00	2.3	.2	1.2	2.4	.6	2.8	3.6	-1.2	.05
20:00	.9	.2	.5	.9	.5	1.5	1.8	-.6	.03
21:00	.3	.3	.4	.3	.8	1.0	1.8	-.1	.02
22:00	2.3	.2	1.9	2.5	.7	3.0	1.8	1.1	.02
23:00	.7	.0	.3	.8	.3	1.3	1.8	-1.6	.02
Avg	.0	1.0	1.3	1.5	1.5	2.1	1.1	-1.7	.02
Max	3.6	2.9	3.1	3.6	3.6	4.1	4.6	1.9	.17
Hr. of Max	04	12	16	04	12	04	09	08	09
Min	.1	.0	.0	.2	.3	.8	-2.8	-14.7	-.14
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/12/2014

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	1.8	1.1	1.6	1.9	1.9	5.9	4.8
01:00	.00	1.4	.7	2.3	1.6	1.9	7.4	4.8
02:00	-.01	.9	1.6	2.1	1.3	2.5	4.6	5.1
03:00	.01	1.8	3.4	3.4	2.3	4.1	7.9	5.4
04:00	.06	3.4	6.9	5.7	2.9	5.0	6.4	2.5
05:00	.04	2.3	4.6	5.7	3.0	5.8	6.7	6.3
06:00	.00	3.2	2.5	3.4	3.6	2.7	5.9	7.1
07:00	-.01	2.7	2.1	3.2	2.4	2.5	6.4	7.4
08:00	.03	2.3	1.8	2.1	3.0	2.5	9.6	7.9
09:00	-.04	2.5	3.2	3.4	3.5	4.2	22.8	11.5
10:00	-.14	5.7	5.3	5.5	7.0	6.1	18.5	24.8
11:00	.06	5.3	5.7	5.0	7.8	6.7	26.4	31.6
12:00	-.24	8.5	7.1	7.1	7.8	8.0	22.5	27.8
13:00	-.95	7.6	9.4	7.8	7.5	6.8	25.0	29.7
14:00	-.43	5.7	6.0	6.6	6.8	8.2	24.8	28.2
15:00	-.24	5.0	5.7	4.4	7.1	5.9	29.6	36.9
16:00	-.05	7.8	10.5	6.6	6.2	6.8	11.4	11.7
17:00	.01	4.4	4.1	7.1	3.1	4.7	7.6	5.1
18:00	.00	1.4	2.5	2.3	1.9	2.9	8.7	3.4
19:00	-.06	1.4	2.3	3.4	1.8	3.9	9.1	2.6
20:00	-.01	1.8	2.3	2.7	2.1	2.4	6.6	4.6
21:00	.00	1.4	2.1	2.5	2.1	3.1	8.5	12.2
22:00	.06	1.4	3.2	4.1	1.8	4.7	10.9	3.1
23:00	-.02	.7	1.6	6.9	1.4	4.2	6.4	6.7
Avg	-.08	3.4	4.0	4.4	3.7	4.5	12.5	12.1
Max	.06	8.5	10.5	7.8	7.8	8.2	29.6	36.9
Hr. of Max	22	12	16	13	12	14	15	15
Min	-.95	.7	.7	1.6	1.3	1.9	4.6	2.5
Count	24	24	24	24	24	24	24	24
Total								