Date Printed: 11/26/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/25/2014

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	9.1	9.7	9.7	9.7	.64	.58	.61	-.06	-.03
01:00	7.4	8.9	8.9	8.9	1.54	1.53	1.57	-.01	.03
02:00	4.5	7.8	8.0	8.3	3.29	3.55	3.85	.26	.56
03:00	4.2	6.8	7.6	8.1	2.67	3.40	3.92	.72	1.25
04:00	3.3	5.6	6.2	7.1	2.30	2.93	3.87	.62	1.57
05:00	2.3	4.5	5.1	6.2	2.20	2.80	3.99	.60	1.79
06:00	1.2	3.6	4.3	5.6	2.39	3.15	4.45	.76	2.05
07:00	.3	2.7	3.5	5.1	2.37	3.17	4.75	.79	2.38
08:00	1.0	2.5	3.1	4.5	1.50	2.07	3.42	.57	1.92
09:00	5.7	5.3	5.4	5.8	-.37	-.31	.12	.06	.48
10:00	9.8	9.3	9.0	9.0	-.56	-.81	-.88	-.25	-.32
11:00	11.7	11.0	10.7	10.6	-.70	-.96	-1.07	-.26	-.37
12:00	12.9	12.1	11.8	11.6	-.83	-1.11	-1.26	-.28	-.43
13:00	13.5	12.7	12.3	12.2	-.83	-1.16	-1.26	-.32	-.43
14:00	13.7	13.1	12.9	12.7	-.58	-.86	-.97	-.28	-.38
15:00	13.7	13.4	13.1	13.0	-.34	-.57	-.68	-.23	-.34
16:00	12.9	13.2	13.0	12.9	.29	.10	-.01	-.19	-.29
17:00	10.0	11.9	12.3	12.4	1.94	2.29	2.38	.35	.44
18:00	8.8	10.8	11.2	11.7	1.94	2.37	2.87	.44	.93
19:00	8.0	9.9	10.6	10.9	1.91	2.61	2.90	.70	.99
20:00	7.0	9.1	9.6	10.0	2.08	2.58	3.02	.49	.93
21:00	6.4	8.5	8.9	9.5	2.11	2.56	3.13	.45	1.02
22:00	6.1	8.0	8.6	9.1	1.86	2.47	2.94	.61	1.09
23:00	5.9	7.7	8.2	8.3	1.76	2.24	2.39	.48	.62
Avg	7.5	8.7	8.9	9.3	1.19	1.44	1.84	.25	.64
Max	13.7	13.4	13.1	13.0	3.29	3.55	4.75	.79	2.38
Hr. of Max	15	15	15	15	02	02	07	07	07
Min	.3	2.5	3.1	4.5	-.83	-1.16	-1.26	-.32	-.43
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/25/2014

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	-1.0	2.7	10.8	51.5	47.8	4.5	4.4	0.003753
01:00	-.6	-1.3	2.1	10.5	58.0	49.5	4.6	4.3	0.00374
02:00	.5	-1.2	1.8	10.3	75.8	53.7	4.9	4.4	0.004019
03:00	1.0	-.8	2.0	10.1	80.3	58.8	5.1	4.5	0.004163
04:00	.7	-.4	1.5	9.9	83.6	65.9	5.0	4.6	0.00407
05:00	.0	.1	.8	9.7	85.7	74.0	4.8	4.8	0.003882
06:00	-.7	.1	-.1	9.5	87.8	78.7	4.6	4.8	0.003676
07:00	-1.2	-.4	-.7	9.3	90.0	80.5	4.4	4.7	0.003543
08:00	-.7	-.6	-.1	9.1	89.0	80.2	4.6	4.6	0.003685
09:00	.5	-.6	2.3	8.9	70.5	66.6	5.0	4.6	0.004035
10:00	-.5	-1.3	2.9	8.8	49.2	48.1	4.6	4.3	0.003757
11:00	-2.3	-3.2	2.4	8.8	38.3	37.4	4.0	3.7	0.003308
12:00	-3.2	-4.0	2.2	8.8	33.1	32.7	3.7	3.5	0.003104
13:00	-3.4	-4.0	2.2	8.9	31.4	31.6	3.7	3.5	0.003062
14:00	-3.9	-4.5	2.0	9.1	29.8	29.6	3.5	3.4	0.002958
15:00	-3.4	-4.0	2.3	9.3	30.9	30.2	3.6	3.5	0.003055
16:00	-2.1	-3.7		9.5	36.1	31.3	4.0	3.6	0.00338
17:00	-.1	-2.7	3.3	9.7	50.2	36.4	4.7	3.8	0.00388
18:00	.4	-1.8	3.2	9.7	56.3	42.2	4.9	4.1	0.004027
19:00	.7	-1.6	3.1	9.7	60.5	45.3	5.0	4.2	0.004087
20:00	.8	-1.2	2.9	9.7	65.4	49.0	5.0	4.3	0.004128
21:00	1.2	-.9	2.9	9.7	70.3	52.4	5.2	4.4	0.004242
22:00	.9	-1.6	2.6	9.6	69.7	51.2	5.1	4.2	0.004147
23:00	.8	-1.5	2.5	9.5	70.2	52.7	5.0	4.2	0.004121
Avg	-.6	-1.8	2.0	9.5	61.0	51.1	4.6	4.2	0.003743
Max	1.2	.1	3.3	10.8	90.0	80.5	5.2	4.8	0.004242
Hr. of Max	21	06	17	00	07	07	21	06	21
Min	-3.9	-4.5	-.7	8.8	29.8	29.6	3.5	3.4	0.002958
Count	24	24	23	24	24	24	24	24	24
Total									

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Daily Summary Report

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11/25/2014

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	0.003642	5.9	5.7	.00	29.14	986.7	-2.1	.00	248.1
01:00	0.003555	5.9	5.6	.00	29.15	987.2	-2.1	.00	245.9
02:00	0.003579	6.3	5.7	.00	29.17	987.7	-2.4	.00	272.2
03:00	0.003667	6.6	5.8	.00	29.17	988.0	-2.2	.00	325.0
04:00	0.003769	6.4	5.9	.00	29.17	987.9	-2.3	.00	237.1
05:00	0.003913	6.1	6.2	.00	29.17	987.8	-2.3	.00	64.6
06:00	0.003912	5.8	6.2	.00	29.18	988.2	-2.2	.00	36.2
07:00	0.00376	5.6	5.9	.00	29.21	989.3	3.9	.01	329.5
08:00	0.003697	5.8	5.8	.00	29.22	989.7	100.8	.14	223.2
09:00	0.00372	6.4	5.9	.00	29.22	989.6	354.2	.51	129.5
10:00	0.003532	5.9	5.6	.00	29.23	989.9	491.6	.70	153.1
11:00	0.003079	5.2	4.9	.00	29.23	989.8	572.6	.82	206.2
12:00	0.002907	4.9	4.6	.00	29.20	988.7	592.7	.85	216.5
13:00	0.002915	4.8	4.6	.00	29.17	987.8	499.6	.72	253.9
14:00	0.002818	4.7	4.5	.00	29.15	987.1	464.6	.67	138.2
15:00	0.002927	4.8	4.6	.00	29.13	986.6	242.4	.35	227.1
16:00	0.002996	5.3	4.7	.00	29.13	986.5	85.9	.12	211.3
17:00	0.003205	6.1	5.1	.00	29.14	986.7	3.7	.01	274.0
18:00	0.00344	6.3	5.4	.00	29.14	986.8	-2.2	.00	63.7
19:00	0.003478	6.4	5.5	.00	29.17	987.7	-1.6	.00	244.6
20:00	0.003571	6.5	5.6	.00	29.17	988.0	-1.9	.00	295.8
21:00	0.003653	6.7	5.8	.00	29.17	987.8	-2.3	.00	306.6
22:00	0.003461	6.5	5.5	.00	29.17	987.8	-2.2	.00	266.6
23:00	0.003489	6.5	5.5	.00	29.16	987.4	-2.1	.00	23.5
Avg	0.003445	5.9	5.4	.00	29.17	987.9	141.0	.20	251.0
Max	0.003913	6.7	6.2	.00	29.23	989.9	592.7	.85	329.5
Hr. of Max	05	21	06	23	11	10	12	12	07
Min	0.002818	4.7	4.5	.00	29.13	986.5	-2.4	.00	23.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/25/2014

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	263.8	268.0	255.4	269.7	21.1	18.0	14.6	4.0	5.9
01:00	263.4	271.1	251.6	272.8	14.6	13.7	11.2	2.7	4.3
02:00	243.9	245.1	272.4	246.8	13.8	6.0	4.6	1.2	2.6
03:00	269.3	231.1	326.5	233.2	44.6	45.1	5.7	.1	1.0
04:00	290.1	200.4	203.8	201.0	39.4	31.5	10.1	.0	.2
05:00	57.5	39.5	64.6	18.0	20.4	9.3	25.5	.3	1.4
06:00	63.5	65.1	59.6 +	64.1	63.4	32.0	35.6	.1	.9
07:00	54.9	302.3	287.7	302.9	60.8	25.3	40.3	.0	.3
08:00	174.4	231.1	221.8	239.4	37.5	27.8	30.1	.1	.2
09:00	94.0	86.8	135.9	88.7	25.2	42.7	37.7	.6	.4
10:00	160.2	167.8	159.7	170.3	44.1	34.9	38.3	.9	1.0
11:00	206.3	214.4	209.4	216.5	61.8	50.7	40.4	1.8	2.3
12:00	249.9	268.2	223.4	269.5	56.0	52.1	51.6	2.1	2.4
13:00	269.8	265.8	247.7	268.4	65.8	65.1	61.1	2.4	2.9
14:00	161.6	201.7	149.1	203.9	45.4	47.8	51.3	1.3	1.0
15:00	241.1	282.8	225.6	300.3	58.9	56.6	56.0	.5	.5
16:00	224.8	227.9	217.8	229.1	19.1	26.7	32.3	1.2	1.2
17:00	214.2	184.4	274.5	187.8	28.8	47.1	40.2	.7	1.0
18:00	67.9	210.6	68.7	56.3	52.8	35.0	49.2	.5	.8
19:00	244.4	268.8	242.9	270.2	49.5	35.5	27.5	1.6	2.6
20:00	170.8	287.5	300.4	285.1	51.8	73.4	39.8	.4	.2
21:00	92.9	344.0	301.2	339.3	49.7	58.2	57.9	.3	.2
22:00	301.0	316.3	268.6	313.6	67.6	58.7	33.8	.5	1.1
23:00	22.6	313.7	84.0	311.6	49.8	33.0	36.3	.4	.9
Avg	223.0	254.0	238.0	263.0	43.4	38.6	34.6	.0	.0
Max	301.0	344.0	326.5	339.3	67.6	73.4	61.1	4.0	5.9
Hr. of Max	22	21	03	21	22	20	13	00	00
Min	22.6	39.5	59.6	18.0	13.8	6.0	4.6	.0	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/25/2014

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	8.0	4.3	6.3	8.3	4.8	8.8	-.8	.7	-.22
01:00	5.7	2.8	4.4	5.8	3.3	6.2	-1.0	.6	-.09
02:00	3.7	1.2	2.6	3.7	1.6	4.1	-1.9	.4	-.06
03:00	3.0	.2	1.0	3.0	.7	3.4	2.1	.1	.03
04:00	.9	.0	.2	1.0	.6	1.5	3.6	-.5	.04
05:00	.7	.4	1.4	.7	.8	1.2	1.4	-1.0	.02
06:00	1.6	.4	1.1	1.7	.8	2.3	1.5	-.2	.02
07:00	.5	.1	.4	.6	.4	1.1	2.0	1.4	.03
08:00	.4	.2	.6	.7	.9	1.1	1.5	.6	.02
09:00	.7	.7	.6	.8	1.4	1.3	.4	-1.7	.02
10:00	1.0	1.2	1.2	1.4	1.9	2.2	.3	-16.2	.00
11:00	2.6	2.7	3.1	3.2	3.5	4.0	-1.9	.0	-.12
12:00	2.6	3.7	4.1	4.1	4.4	5.0	3.1	6.7	.14
13:00	3.6	3.9	4.4	4.8	4.6	5.6	4.4	5.2	.09
14:00	.9	2.5	2.5	2.5	3.1	3.2	.2	3.6	-.05
15:00	.4	2.2	2.2	2.0	2.8	2.9	.0	2.7	.09
16:00	1.0	1.3	1.4	1.3	1.9	1.8	.7	-6.4	.01
17:00	1.6	1.0	1.2	1.6	1.4	2.0	2.3	1.3	.05
18:00	.5	.6	1.0	.8	1.0	1.2	3.1	.1	.06
19:00	3.4	1.9	3.2	3.7	2.3	4.0	.5	2.9	.01
20:00	1.0	.9	.9	1.7	1.3	2.2	1.2	2.3	.00
21:00	.6	1.0	.9	1.0	1.4	1.5	.0	.5	.00
22:00	2.7	.7	1.3	3.0	1.2	3.1	2.3	2.1	.04
23:00	2.0	.6	1.5	2.5	1.1	2.8	3.4	-.4	.06
Avg	.0	1.4	2.0	2.5	2.0	3.0	1.2	.2	.01
Max	8.0	4.3	6.3	8.3	4.8	8.8	4.4	6.7	.14
Hr. of Max	00	00	00	00	00	00	13	12	12
Min	.4	.0	.2	.6	.4	1.1	-1.9	-16.2	-.22
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/25/2014

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	-.05	12.1	15.6	23.4	12.2	18.7	15.0	10.8
01:00	.02	10.5	17.4	14.4	10.3	14.3	10.2	8.4
02:00	.02	3.7	5.5	6.4	4.1	6.0	5.6	2.3
03:00	.02	2.3	6.0	11.0	1.7	6.0	8.0	2.1
04:00	-.01	.7	1.1	2.3	1.2	2.4	7.1	2.9
05:00	-.01	1.6	2.5	2.5	1.7	3.0	5.9	5.0
06:00	-.01	1.6	3.7	4.6	2.0	4.1	8.3	8.8
07:00	.03	1.1	2.3	2.1	1.5	2.4	7.1	5.9
08:00	.02	1.6	1.6	3.4	2.3	4.1	6.6	6.2
09:00	-.02	2.1	2.1	2.3	2.8	2.8	20.0	15.9
10:00	-.68	4.4	3.9	4.6	5.1	5.0	33.1	27.3
11:00	-.03	8.9	9.2	9.6	9.0	10.4	25.9	28.4
12:00	.51	10.3	11.9	11.7	12.1	14.0	23.3	27.4
13:00	.12	12.4	11.4	13.3	13.4	14.3	23.7	28.0
14:00	.30	8.7	9.8	11.7	7.5	9.9	27.2	33.2
15:00	.39	8.2	8.0	9.2	8.6	10.3	25.1	33.9
16:00	-.26	3.7	3.7	3.4			11.8	18.8
17:00	.09	3.2	5.5	4.6	2.8	4.5	7.6	11.3
18:00	.02	3.0	3.4	3.0	3.2	3.4	7.7	5.9
19:00	.21	5.3	7.3	9.2	5.9	10.2	9.4	10.8
20:00	.10	4.1	3.7	5.5	4.7	6.2	8.7	14.0
21:00	.04	3.0	2.7	4.1	3.3	4.4	8.2	12.2
22:00	.08	2.7	5.0	7.3	3.3	7.1	16.5	8.0
23:00	.00	3.9	5.3	8.9	4.1	7.5	15.0	10.1
Avg	.04	5.0	6.2	7.4	5.3	7.4	14.0	14.1
Max	.51	12.4	17.4	23.4	13.4	18.7	33.1	33.9
Hr. of Max	12	13	01	00	13	00	10	15
Min	-.68	.7	1.1	2.1	1.2	2.4	5.6	2.1
Count	24	24	24	24	23	23	24	24
Total								