Date Printed: 12/23/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

12/22/2014

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	6.4	7.1	7.2	7.3	.69	.77	.93	.08	.24
01:00	6.7	7.1	7.1	7.2	.47	.43	.53	-.03	.06
02:00	6.9	7.3	7.2	7.3	.35	.29	.33	-.06	-.02
03:00	7.0	7.3	7.2	7.3	.32	.24	.28	-.08	-.04
04:00	6.9	7.2	7.1	7.2	.36	.29	.33	-.07	-.03
05:00	6.9	7.1	7.1	7.1	.28	.20	.21	-.08	-.07
06:00	6.9	7.1	7.0	6.9	.14	.03	.00	-.12	-.15
07:00	7.0	7.1	6.9	6.9	.09	-.06	-.11	-.14	-.20
08:00	7.1	7.1	6.9	6.9	.00	-.17	-.25	-.17	-.25
09:00	7.9	7.7	7.4	7.3	-.18	-.44	-.57	-.26	-.39
10:00	8.8	8.4	8.0	7.9	-.39	-.73	-.90	-.34	-.51
11:00	9.8	9.4	9.1	8.9	-.41	-.74	-.93	-.33	-.52
12:00	10.8	10.5	10.2	10.1	-.38	-.62	-.77	-.24	-.39
13:00	11.9	11.5	11.2	11.0	-.40	-.69	-.86	-.28	-.45
14:00	12.7	12.4	12.1	12.0	-.33	-.61	-.72	-.29	-.39
15:00	12.6	12.6	12.4	12.4	-.01	-.17	-.23	-.15	-.21
16:00	12.6	12.7	12.6	12.5	.14	-.04	-.10	-.17	-.24
17:00	11.3	12.2	12.2	12.2	.85	.87	.88	.02	.03
18:00	10.2	11.0	11.1	11.1	.82	.86	.90	.05	.09
19:00	9.3	10.1	10.2	10.2	.80	.82	.86	.02	.06
20:00	9.1	9.4	9.6	9.8	.37	.57	.75	.19	.38
21:00	8.7	8.9	8.9	9.2	.13	.20	.42	.06	.29
22:00	8.7	8.8	8.8	8.8	.09	.02	.10	-.06	.01
23:00	8.6	8.7	8.6	8.6	.06	-.07	-.09	-.13	-.15
Avg	9.0	9.1	9.0	9.0	.16	.05	.04	-.11	-.12
Max	12.7	12.7	12.6	12.5	.85	.87	.93	.19	.38
Hr. of Max	14	16	16	16	17	17	00	20	20
Min	6.4	7.1	6.9	6.9	-.41	-.74	-.93	-.34	-.52
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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12/22/2014

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	2.9	2.1	4.1	6.6	79.0	71.0	5.8	5.5	0.00479
01:00	2.8	2.3	4.1	6.6	76.9	71.8	5.8	5.6	0.004745
02:00	2.3	1.8	3.8	6.6	72.9	68.9	5.6	5.4	0.00459
03:00	2.4	1.9	3.9	6.7	73.2	69.4	5.6	5.4	0.004618
04:00	2.6	2.4	4.0	6.7	75.1	72.1	5.7	5.6	0.004701
05:00	3.0	2.7	4.3	6.7	77.1	73.9	5.9	5.7	0.004832
06:00	3.0	2.8	4.3	6.7	76.5	74.7	5.9	5.8	0.004821
07:00	2.8	2.7	4.2	6.7	75.5	74.3	5.8	5.7	0.004766
08:00	2.8	2.6	4.2	6.8	74.8	73.9	5.8	5.7	0.004766
09:00	3.0	2.9	4.6	6.8	71.7	72.0	5.8	5.8	0.004823
10:00	3.0	2.8	4.9	6.8	67.8	68.9	5.8	5.8	0.004836
11:00	3.2	3.1	5.4	7.0	64.2	65.5	5.9	5.9	0.004934
12:00	3.5	3.4	5.9	7.1	61.0	62.1	6.0	6.0	0.005022
13:00	3.8	3.7	6.5	7.4	58.3	59.3	6.1	6.1	0.005145
14:00	4.2	4.1	7.0	7.6	56.7	57.7	6.3	6.3	0.005303
15:00	5.2	4.8	7.7	7.9	61.4	59.9	6.7	6.6	0.005693
16:00	5.6	5.0	8.0	8.0	63.3	60.1	6.9	6.7	0.005871
17:00	6.0	5.5	7.8	8.2	70.5	64.6	7.1	6.9	0.006001
18:00	6.3	5.9	7.6	8.2	77.6	71.7	7.3	7.1	0.006127
19:00	7.5	6.4	8.1	8.3	89.2	78.6	8.0	7.4	0.006654
20:00	7.4	7.0	7.9	8.3	90.1	85.6	7.9	7.7	0.006596
21:00	7.8	7.7	8.1	8.3	94.8	93.2	8.1	8.1	0.0068
22:00	7.8	7.9	8.1	8.3	95.2	94.8	8.2	8.2	0.006819
23:00	7.7	7.8	8.0	8.4	94.9	95.1	8.1	8.1	0.006753
Avg	4.4	4.1	5.9	7.4	74.9	72.5	6.5	6.4	0.005417
Max	7.8	7.9	8.1	8.4	95.2	95.1	8.2	8.2	0.006819
Hr. of Max	22	22	22	23	22	23	22	22	22
Min	2.3	1.8	3.8	6.6	56.7	57.7	5.6	5.4	0.00459
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)

12/22/2014

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	0.004515	7.5	7.1	.00	29.16	987.6	-.9	.00	70.3
01:00	0.004577	7.5	7.2	.00	29.14	987.0	-.8	.00	31.6
02:00	0.004443	7.2	7.0	.00	29.14	986.7	-1.4	.00	47.9
03:00	0.004475	7.3	7.0	.00	29.13	986.4	-2.8	.00	57.0
04:00	0.004623	7.4	7.3	.00	29.12	986.1	-1.6	.00	69.0
05:00	0.004721	7.6	7.4	.00	29.11	985.7	-.9	.00	47.5
06:00	0.004752	7.6	7.5	.00	29.11	985.9	-2.5	.00	48.5
07:00	0.004718	7.5	7.4	.00	29.11	985.9	-2.5	.00	53.5
08:00	0.00471	7.5	7.4	.00	29.12	986.1	24.5	.04	55.0
09:00	0.004784	7.6	7.5	.00	29.11	985.7	91.7	.13	63.5
10:00	0.004784	7.6	7.5	.00	29.10	985.4	220.4	.32	75.6
11:00	0.004899	7.7	7.7	.00	29.06	984.0	260.6	.37	64.9
12:00	0.004983	7.9	7.8	.00	29.02	982.7	242.8	.35	85.2
13:00	0.005099	8.1	8.0	.00	28.98	981.4	281.4	.40	61.1
14:00	0.005282	8.3	8.3	.00	28.95	980.4	221.1	.32	66.3
15:00	0.005556	8.9	8.7	.00	28.94	980.1	62.0	.09	42.2
16:00	0.005623	9.2	8.8	.00	28.94	980.2	48.6	.07	353.1
17:00	0.005825	9.4	9.1	.00	28.94	980.0	3.9	.01	256.2
18:00	0.005986	9.6	9.3	.00	28.94	980.1	-2.3	.00	248.7
19:00	0.006186	10.4	9.6	.00	28.93	979.7	-2.6	.00	336.5
20:00	0.006424	10.3	10.0	.06	28.93	979.7	-2.1	.00	233.9
21:00	0.006747	10.6	10.5	.00	28.93	979.6	-1.8	.00	261.3
22:00	0.006833	10.6	10.6	.25	28.93	979.6	-2.3	.00	217.5
23:00	0.006798	10.5	10.6	.09	28.95	980.3	-1.7	.00	235.6
Avg	0.005306	8.5	8.3	.02	29.03	983.2	59.6	.09	46.0
Max	0.006833	10.6	10.6	.25	29.16	987.6	281.4	.40	353.1
Hr. of Max	22	22	23	22	00	00	13	13	16
Min	0.004443	7.2	7.0	.00	28.93	979.6	-2.8	.00	31.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/22/2014

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	59.5	60.4	74.4	57.1	46.5	25.0	12.8	.4	1.3
01:00	62.1	68.5	29.6	64.9	37.9	19.4	11.3	1.3	2.7
02:00	51.8	53.2	46.3	49.3	36.7	19.5	12.8	1.2	2.9
03:00	57.5	58.4	58.4 +	54.9	32.8	12.0	7.8	1.9	4.5
04:00	72.1	63.0	72.0	59.5	24.6	12.1	6.9	1.3	3.0
05:00	58.7	68.6	48.5	65.2	16.3	9.6	8.0	1.6	3.3
06:00	58.8	63.5	48.8	60.3	29.5	13.4	9.3	1.8	3.8
07:00	59.0	61.2	53.1	57.7	23.7	14.6	8.6	2.6	5.1
08:00	59.9	61.8	58.8	58.3	28.7	18.9	14.1	1.7	3.5
09:00	66.6	68.4	68.2	64.9	36.4	22.4	15.2	2.8	4.5
10:00	72.5	69.9	75.2	65.9	22.4	18.1	13.6	4.1	5.5
11:00	60.0	59.9	65.0	55.7	29.2	19.4	14.8	2.8	4.0
12:00	76.7	70.0	88.7	66.2	31.1	29.4	21.8	2.0	2.3
13:00	65.6	64.1	67.8	58.7	54.5	41.7	32.7	1.3	1.8
14:00	49.9	45.7	58.5	40.7	63.1	45.6	37.6	1.2	1.8
15:00	53.9	54.5	42.5	50.5	29.7	16.1	10.5	1.1	2.4
16:00	.2	354.7	342.3	349.6	41.7	29.9	33.1	.1	.5
17:00	245.9	287.9	258.1	284.9	20.2	42.5	35.8	1.1	1.1
18:00	252.0	254.1	251.0	254.6	16.9	16.8	13.7	1.8	3.2
19:00	356.2	350.0	331.7	345.3	44.5	40.6	34.1	.5	1.2
20:00	236.5	275.7	238.8	275.4	57.0	45.0	48.2	1.3	2.2
21:00	245.9	241.4	262.4	242.6	53.5	53.5	45.6	.8	1.4
22:00	264.1	291.8	237.1	292.9	72.4	63.3	62.2	.9	1.0
23:00	266.7	274.5	245.4	274.8	51.5	33.2	23.7	1.8	2.7
Avg	46.0	40.0	43.0	35.0	37.5	27.6	22.3	.0	.0
Max	356.2	354.7	342.3	349.6	72.4	63.3	62.2	4.1	5.5
Hr. of Max	19	16	16	16	22	22	22	10	10
Min	.2	45.7	29.6	40.7	16.3	9.6	6.9	.1	.5
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)

12/22/2014

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	2.3	.6	1.5	2.4	1.1	2.8	2.4	.5	.01
01:00	3.2	1.4	2.9	3.3	1.8	3.7	-1.9	-2.2	-.17
02:00	4.4	1.3	3.0	4.6	1.7	5.0	-3.1	-1.4	-.14
03:00	6.0	2.0	4.6	6.1	2.3	6.5	1.8	-1.4	-.02
04:00	4.1	1.4	3.1	4.1	1.9	4.5	-2.1	-1.1	-.07
05:00	3.9	1.7	3.3	3.9	2.0	4.3	-5.2	-1.4	-.25
06:00	4.9	1.9	3.9	5.0	2.3	5.4	-3.9	.2	-.25
07:00	7.1	2.7	5.3	7.2	3.2	7.6	-2.3	-.9	-.24
08:00	4.4	2.0	3.8	4.5	2.5	5.1	-1.4	3.8	-.15
09:00	6.1	3.1	4.8	6.3	4.0	6.9	1.8	3.8	.03
10:00	5.9	4.4	5.8	6.2	5.0	6.7	.4	-2.3	-.08
11:00	4.8	3.2	4.3	5.0	3.8	5.4	.7	-2.1	-.10
12:00	2.5	2.3	2.6	2.8	2.8	3.2	-1.0	-.7	-.12
13:00	2.1	1.8	2.2	2.4	2.4	3.0	-2.1	-7.3	-.16
14:00	2.1	1.6	2.0	2.4	2.1	3.0	-5.4	-5.7	-.26
15:00	3.3	1.2	2.5	3.3	1.5	3.7	-2.8	.6	-.13
16:00	.8	.7	1.3	1.7	1.1	2.1	2.2	-.2	.03
17:00	1.1	1.5	1.7	1.7	2.0	2.1	.6	.7	.00
18:00	3.5	2.2	3.5	3.8	2.6	4.2	-.8	.7	-.07
19:00	1.8	1.7	2.1	2.5	2.0	2.8	-.6	.3	-.04
20:00	2.3	1.7	2.5	2.5	2.3	2.9	.7	2.4	-.05
21:00	1.2	1.1	1.5	1.4	1.6	1.8	.7	1.5	.00
22:00	1.4	2.0	2.3	2.4	2.5	3.0	2.6	2.4	.04
23:00	3.6	2.1	3.0	3.8	2.5	4.3	2.1	1.5	.01
Avg	.0	1.9	3.1	3.7	2.4	4.2	-.7	-.3	-.09
Max	7.1	4.4	5.8	7.2	5.0	7.6	2.6	3.8	.04
Hr. of Max	07	10	10	07	10	07	22	09	22
Min	.8	.6	1.3	1.4	1.1	1.8	-5.4	-7.3	-.26
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/22/2014

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	.00	2.7	3.9	6.0	2.9	6.0	10.2	7.4
01:00	-.17	4.6	5.7	8.2	5.0	7.0	16.4	6.2
02:00	-.12	3.9	10.3	9.8	3.9	8.8	14.9	5.6
03:00	-.17	6.6	9.4	9.6	7.4	10.3	19.3	5.3
04:00	-.10	4.8	9.2	12.4	4.8	8.4	12.5	4.4
05:00	-.12	4.1	6.9	9.2	5.4	7.7	13.8	6.1
06:00	-.04	4.6	7.6	9.4	5.4	9.6	18.0	7.5
07:00	-.17	8.2	11.9	14.9	8.3	11.7	18.4	7.1
08:00	.24	7.1	9.2	10.8	8.6	10.0	19.6	11.8
09:00	.28	9.8	13.5	12.1	11.0	12.7	22.0	13.7
10:00	-.30	13.7	18.3	19.0	11.4	11.5	17.2	11.3
11:00	-.29	7.6	8.0	9.2	10.4	9.5	21.2	13.7
12:00	-.02	8.7	7.3	6.4	6.5	7.1	21.3	20.1
13:00	-.45	6.4	7.3	6.9	6.8	8.1	26.0	26.8
14:00	-.47	8.5	9.2	10.3	8.0	8.9	25.5	24.9
15:00	.01	4.1	5.5	5.7	4.6	6.0	19.7	9.2
16:00	.00	3.4	3.4	8.2	3.7	4.8	17.5	11.5
17:00	.00	3.0	4.1	4.4	3.6	4.8	6.1	8.7
18:00	.05	6.0	6.2	6.9	5.6	7.3	9.0	4.5
19:00	.00	5.0	6.0	6.6	5.5	7.2	11.9	8.0
20:00	.08	11.0	14.4	15.3	12.5	16.0	12.9	12.0
21:00	.04	2.7	3.4	3.2	3.3	3.6	7.7	7.2
22:00	.07	10.1	12.1	12.6	10.0	36.7	12.4	15.8
23:00	.00	10.1	11.9	10.5	9.9	12.0	16.6	12.0
Avg	-.07	6.5	8.5	9.5	6.9	9.8	16.3	10.9
Max	.28	13.7	18.3	19.0	12.5	36.7	26.0	26.8
Hr. of Max	09	10	10	10	20	22	13	13
Min	-.47	2.7	3.4	3.2	2.9	3.6	6.1	4.4
Count	24	24	24	24	24	24	24	24
Total								