Date Printed: 09/12/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/11/2014

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	21.7	23.0	23.3	23.5	1.30	1.56	1.81	.26	.51
01:00	21.3	22.4	22.7	23.0	1.11	1.39	1.67	.29	.56
02:00	20.7	21.5	22.0	22.4	.82	1.28	1.73	.46	.90
03:00	20.9	21.7	22.2	22.5	.80	1.22	1.54	.42	.74
04:00	21.3	22.0	22.1	22.3	.63	.79	.97	.15	.33
05:00	21.1	21.8	22.0	22.2	.61	.87	1.05	.25	.44
06:00	21.4	21.8	22.1	22.2	.44	.67	.81	.23	.37
07:00	21.7	21.9	22.0	22.3	.25	.37	.59	.12	.34
08:00	22.3	22.2	22.2	22.4	-.06	-.08	.07	-.02	.13
09:00	23.6	23.4	23.2	23.2	-.25	-.46	-.46	-.21	-.22
10:00	25.0	24.6	24.3	24.2	-.44	-.74	-.82	-.30	-.38
11:00	27.2	26.6	26.3	26.2	-.66	-.97	-1.06	-.30	-.39
12:00	28.2	27.5	27.2	27.1	-.64	-.95	-1.06	-.31	-.41
13:00	29.4	28.6	28.2	28.1	-.78	-1.17	-1.29	-.39	-.51
14:00	29.6	28.9	28.6	28.5	-.66	-.96	-1.03	-.30	-.37
15:00	28.1	27.8	27.6	27.6	-.29	-.46	-.43	-.17	-.14
16:00	24.9	24.7	24.5	24.5	-.22	-.40	-.44	-.18	-.21
17:00	23.5	23.3	23.2	23.3	-.23	-.32	-.20	-.08	.04
18:00	23.4	23.2	23.0	23.1	-.22	-.35	-.26	-.14	-.05
19:00	23.3	23.2	23.0	23.1	-.11	-.22	-.19	-.11	-.07
20:00	23.1	23.1	23.0	23.0	.00	-.07	-.02	-.07	-.02
21:00	22.7	22.9	23.0	23.1	.14	.24	.38	.10	.24
22:00	22.0	22.3	22.5	22.7	.30	.47	.67	.17	.37
23:00	21.8	21.9	22.0	22.4	.13	.23	.59	.11	.46
Avg	23.7	23.8	23.8	23.9	.08	.08	.19	.00	.11
Max	29.6	28.9	28.6	28.5	1.30	1.56	1.81	.46	.90
Hr. of Max	14	14	14	14	00	00	00	02	02
Min	20.7	21.5	22.0	22.2	-.78	-1.17	-1.29	-.39	-.51
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/11/2014

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	19.3	19.2	20.1	26.0	88.0	81.2	16.5	16.4	0.014477
01:00	19.3	19.4	20.0	25.8	90.5	85.2	16.5	16.6	0.014507
02:00	19.1	19.5	19.6	25.6	92.6	90.1	16.4	16.7	0.014323
03:00	19.3	19.5	19.8	25.5	92.3	89.3	16.5	16.7	0.014482
04:00	19.6	19.6	20.2	25.3	91.8	88.5	16.8	16.8	0.014749
05:00	19.5	19.6	20.1	25.2	92.7	89.7	16.8	16.8	0.014709
06:00	19.7	19.7	20.3	25.1	92.4	89.8	17.0	16.9	0.014889
07:00	19.9	19.8	20.5	25.0	91.8	90.0	17.1	17.0	0.015055
08:00	20.2	20.1	20.9	24.9	90.1	90.0	17.4	17.3	0.015327
09:00	20.6	20.5	21.6	24.9	85.3	86.1	17.8	17.7	0.015732
10:00	21.0	20.8	22.3	24.9	80.5	81.7	18.1	17.9	0.016123
11:00	21.2	21.0	23.2	25.0	71.7	73.5	18.3	18.1	0.016392
12:00	21.4	21.2	23.7	25.3	68.9	70.5	18.5	18.3	0.016629
13:00	21.6	21.3	24.2	25.7	64.8	66.7	18.6	18.3	0.016833
14:00	21.4	21.3	24.1	26.2	63.5	65.7	18.4	18.3	0.016648
15:00	21.5	21.4	23.7	26.7	70.0	70.6	18.5	18.5	0.016731
16:00	21.6	21.5	22.7	26.9	84.1	84.8	18.8	18.8	0.01679
17:00	21.7	21.5	22.3	26.9	91.9	92.1	19.0	18.8	0.01688
18:00	21.8	21.7	22.3	26.8	93.4	94.1	19.1	19.1	0.016978
19:00	21.8	21.8	22.3	26.7	94.0	94.9	19.2	19.2	0.016995
20:00	21.7	21.8	22.1	26.5	94.5	95.0	19.0	19.1	0.016866
21:00	21.5	21.7	21.9	26.3	95.5	95.6	18.8	19.0	0.016664
22:00	20.9	21.3	21.3	26.2	95.7	96.6	18.2	18.7	0.016012
23:00	20.7	21.0	21.0	26.0	95.8	96.9	18.0	18.3	0.015795
Avg	20.7	20.7	21.7	25.8	86.3	85.8	17.9	17.9	0.015858
Max	21.8	21.8	24.2	26.9	95.8	96.9	19.2	19.2	0.016995
Hr. of Max	19	20	13	17	23	23	19	19	19
Min	19.1	19.2	19.6	24.9	63.5	65.7	16.4	16.4	0.014323
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)

9/11/2014

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	0.014456	22.4	22.4	.00	29.10	985.4	-3.0	.00	225.6
01:00	0.014616	22.5	22.6	.00	29.10	985.6	-3.1	.00	235.5
02:00	0.014654	22.2	22.7	.00	29.10	985.4	-1.7	.00	225.6
03:00	0.014709	22.4	22.8	.00	29.09	985.3	-1.5	.00	218.8
04:00	0.014787	22.8	22.9	.00	29.09	985.2	-2.1	.00	272.2 -
05:00	0.014782	22.8	22.9	.00	29.10	985.5	-3.3	.00	259.9
06:00	0.014879	23.0	23.0	.00	29.10	985.6	-3.5	.00	220.0
07:00	0.014973	23.3	23.2	.00	29.10	985.6	7.2	.01	210.4
08:00	0.015256	23.7	23.6	.00	29.11	985.9	37.4	.05	221.5
09:00	0.01565	24.3	24.2	.00	29.13	986.3	182.3	.26	226.9
10:00	0.015937	24.9	24.6	.00	29.12	986.2	377.1	.54	227.1
11:00	0.016163	25.3	25.0	.00	29.11	985.9	508.2	.73	235.7
12:00	0.016407	25.7	25.3	.00	29.11	985.7	576.1	.83	225.4
13:00	0.016549	26.0	25.5	.00	29.09	985.2	742.0	1.06	206.9
14:00	0.016575	25.7	25.6	.00	29.07	984.5	568.9	.82	209.6
15:00	0.016626	25.8	25.6	.00	29.06	984.3	186.1	.27	275.3 -
16:00	0.016716	25.9	25.8	.02	29.08	984.9	130.1	.19	299.1 -
17:00	0.01667	26.0	25.7	.02	29.09	985.2	51.3	.07	253.1
18:00	0.016895	26.2	26.1	.00	29.10	985.4	31.4	.05	204.1
19:00	0.017032	26.2	26.3	.00	29.10	985.4	6.4	.01	59.7 -
20:00	0.016947	26.0	26.1	.02	29.10	985.5	-3.0	.00	46.1 -
21:00	0.016829	25.7	26.0	.00	29.13	986.5	-2.4	.00	304.7 -
22:00	0.016464	24.8	25.4	.00	29.14	986.8	-2.2	.00	281.9 -
23:00	0.016095	24.4	24.9	.00	29.15	987.3	-2.0	.00	249.7 -
Avg	0.015861	24.5	24.5	.00	29.10	985.6	140.7	.20	240.0
Max	0.017032	26.2	26.3	.02	29.15	987.3	742.0	1.06	304.7
Hr. of Max	19	19	19	20	23	23	13	13	21
Min	0.014456	22.2	22.4	.00	29.06	984.3	-3.5	.00	46.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/11/2014

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	248.0	248.7	236.1	249.3	12.0	9.0	7.9	2.2	4.0
01:00	235.3	234.3	244.7	235.3	16.9	10.5	5.9	1.6	3.3
02:00	243.3	238.5	235.6	239.4	22.2	12.8	7.8	1.8	3.2
03:00	228.5	230.9	227.8	231.9	20.7	10.8	6.5	1.1	3.1
04:00	256.5	255.6	276.1	256.5	<	22.8	15.0	.7	2.1
05:00	222.3	243.4	268.4	243.8	24.0	16.0	10.5	.5	1.6
06:00	229.1	239.6	227.7	240.3	28.1	15.5	10.1	.8	2.1
07:00	238.1	244.7	221.1	245.3	18.0	13.0	8.2	1.1	2.5
08:00	240.6	244.3	231.2	244.7	23.3	12.4	8.6	1.3	2.9
09:00	239.3	241.3	237.5	242.0	20.2	14.3	10.5	3.7	5.5
10:00	234.9	233.2	238.3	234.2	28.9	22.7	16.5	3.9	5.6
11:00	241.6	239.6	247.2	241.0	26.1	20.6	16.6	4.5	6.3
12:00	237.1	236.5	238.9	237.2	31.5	24.4	19.5	3.8	5.0
13:00	213.6	215.5	217.4	216.4	29.4	22.9	16.7	5.1	6.7
14:00	218.7 -	217.5	222.2	218.5	27.2	17.5 -	21.9	5.0	6.6
15:00	282.4 -	278.8	284.7	277.4	<	<	27.9	2.8	3.9
16:00	306.6 -	305.6	306.8	302.3	<	<	32.6	2.6	3.8
17:00	261.8 -	266.9	261.0	266.7	21.9	16.1 -	16.3	1.2	2.5
18:00	202.6	191.3	215.3	191.2	38.3	36.9	22.0	.6	.6
19:00	67.6 -	82.0	99.8	76.2	<	46.5 -	38.6	.2	.8
20:00	94.0 -	104.9	57.0	101.4	<	<	34.3	.7	1.9
21:00	.9 -	7.9	301.8	1.1	<	<	22.8	.5	.9
22:00	297.1 -	33.1	290.2	42.0	<	<	52.4	.7	.3
23:00	263.0 -	351.2	260.4	345.4	16.7 -	19.5 -	31.8	.5	.5
Avg	245.0	246.0	247.0	248.0	23.8	19.2	19.2	.0	.0
Max	306.6	351.2	306.8	345.4	38.3	46.5	52.4	5.1	6.7
Hr. of Max	16	23	16	23	18	19	22	13	13
Min	.9	7.9	57.0	1.1	12.0	9.0	5.9	.2	.3
Count	24	24	24	24	17	19	24	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

9/11/2014

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	6.1	2.3	4.1	6.1	2.8	6.6	.2	.5	-.02
01:00	4.9	1.7	3.4	4.9	2.2	5.4	-.3	1.1	-.02
02:00	5.1	1.9	3.3	5.2	2.5	5.7	.2	.5	.00
03:00	5.3	1.3	3.4	5.5	1.9	5.9	.0	.7	.00
04:00	3.9	.8	2.4	4.3	1.3	4.6	2.4	.6	.01
05:00	2.9	.6	1.7	3.0	1.1	3.3	.4	.7	.01
06:00	3.3	1.0	2.3	3.4	1.6	3.8	1.9	1.5	.04
07:00	4.4	1.2	2.6	4.5	1.8	4.9	1.5	.8	.04
08:00	4.1	1.4	3.0	4.1	1.9	4.5	-.3	.9	-.03
09:00	6.9	3.9	5.7	7.1	4.6	7.6	-.9	.6	-.22
10:00	6.7	4.4	5.9	7.0	5.0	7.7	.2	1.3	-.16
11:00	7.2	5.0	6.7	7.5	5.7	8.3	.0	-.3	-.20
12:00	5.7	4.5	5.6	6.2	5.1	6.8	-3.6	-2.5	-.46
13:00	8.2	5.8	7.2	8.6	6.6	9.2	-.1	1.1	-.24
14:00	7.6	5.6	7.1	8.1	6.4	8.7	-.8	.1	-.34
15:00	4.9	4.5	6.0	7.3	5.0	7.9	-1.9	.5	-.38
16:00	4.8	3.3	4.6	5.6	3.9	6.2	-2.5	-.9	-.38
17:00	3.3	1.4	2.8	3.9	2.0	4.3	-.3	-1.2	-.05
18:00	.6	.7	.8	.8	1.4	1.2	4.6	.1	.09
19:00	1.1	.7	1.5	1.6	1.2	2.1	4.1	3.1	.09
20:00	3.0	1.5	2.3	3.3	2.0	3.8	3.2	2.5	.05
21:00	1.3	.6	1.1	1.8	1.1	2.2	2.6	1.7	.02
22:00	.2	1.0	.6	.2	1.5	.7	1.2	.4	.02
23:00	.8	1.0	1.0	1.3	1.6	1.8	-.7	.1	-.03
Avg	.0	2.3	3.5	4.6	2.9	5.1	.5	.6	-.09
Max	8.2	5.8	7.2	8.6	6.6	9.2	4.6	3.1	.09
Hr. of Max	13	13	13	13	13	13	18	19	19
Min	.2	.6	.6	.2	1.1	.7	-3.6	-2.5	-.46
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/11/2014

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	.03	9.2	10.8	11.9	6.3	11.9	8.4	5.2
01:00	.10	5.5	5.7	10.5	3.6	7.7	4.8	2.6
02:00	.05	4.4	5.7	7.8	4.4	8.0	7.2	3.0
03:00	.06	3.0	5.7	8.7	3.9	8.7	7.3	3.8
04:00	.01	3.4	7.3	13.7	3.7	8.4	19.7	8.9
05:00	.04	1.8	4.1	7.3	2.4	6.3	7.0	4.5
06:00	.09	3.0	5.0	8.7	3.7	7.5	7.8	5.3
07:00	.06	2.7	5.5	7.8	3.7	8.1	7.7	4.8
08:00	.07	3.4	7.6	10.3	4.3	8.5	11.6	4.0
09:00	.00	12.4	11.4	14.0	11.9	15.3	14.9	8.5
10:00	.03	13.1	15.3	14.4	14.2	14.5	19.2	13.2
11:00	-.26	11.4	15.3	15.1	13.0	16.1	18.4	14.5
12:00	-.45	9.4	12.6	14.2	10.8	13.9	18.3	15.4
13:00	.03	14.7	15.3	17.2	15.4	18.9	17.5	13.3
14:00	-.29	18.3	17.2	17.4	19.4	19.0	18.5	15.0
15:00	-.08	11.0	14.9	18.3	12.2	14.0	17.0	11.5
16:00	-.40	13.3	15.8	16.9	13.8	19.1	22.6	18.7
17:00	-.10	6.2	7.1	7.6	4.8	8.2	13.4	6.1
18:00	.00	2.3	3.7	5.5	2.8	3.1	16.7	13.2
19:00	.11	3.0	4.4	4.6	3.7	5.3	17.9	13.2
20:00	.13	6.4	8.5	9.6	6.8	10.6	19.2	17.6
21:00	.08	3.2	4.6	8.0	3.4	6.5	16.1	14.7
22:00	.01	2.3	2.7	1.4	2.8	2.0	7.4	11.9
23:00	.02	3.0	4.8	6.0	3.5	6.6	7.9	8.3
Avg	-.03	6.9	8.8	10.7	7.3	10.3	13.6	9.9
Max	.13	18.3	17.2	18.3	19.4	19.1	22.6	18.7
Hr. of Max	20	14	14	15	14	16	16	16
Min	-.45	1.8	2.7	1.4	2.4	2.0	4.8	2.6
Count	24	24	24	24	24	24	24	24
Total								