Date Printed: 09/16/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/15/2014

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	18.4	19.0	19.1	19.5	.59	.72	1.09	.13	.50
01:00	17.6	18.3	18.8	19.0	.71	1.13	1.34	.41	.63
02:00	17.5	18.0	18.2	18.4	.46	.66	.89	.20	.43
03:00	17.6	18.0	18.2	18.5	.38	.61	.91	.23	.53
04:00	17.9	18.0	18.1	18.3	.09	.24	.40	.15	.31
05:00	18.3	18.3	18.4	18.6	-.03	.11	.25	.15	.28
06:00	18.6	18.4	18.5	18.6	-.13	-.11	.03	.02	.16
07:00	18.5	18.4	18.4	18.5	-.13	-.18	-.05	-.06	.08
08:00	18.8	18.6	18.5	18.6	-.20	-.33	-.26	-.13	-.06
09:00	19.6	19.3	19.1	19.0	-.24	-.46	-.51	-.22	-.26
10:00	20.0	19.7	19.5	19.4	-.27	-.53	-.59	-.25	-.32
11:00	20.5	20.2	20.0	19.9	-.26	-.48	-.56	-.22	-.29
12:00	21.0	20.8	20.5	20.4	-.23	-.47	-.54	-.24	-.32
13:00	21.7	21.2	21.0	20.9	-.46	-.73	-.81	-.26	-.35
14:00	22.8	22.2	21.9	21.8	-.64	-.92	-1.02	-.28	-.37
15:00	23.3	22.8	22.6	22.5	-.50	-.73	-.83	-.23	-.33
16:00	23.4	23.0	22.7	22.6	-.46	-.72	-.80	-.26	-.34
17:00	22.5	22.3	22.3	22.3	-.20	-.26	-.19	-.06	.01
18:00	22.5	22.4	22.3	22.4	-.09	-.14	-.09	-.05	.00
19:00	21.3	21.5	21.9	22.2	.21	.61	.87	.40	.65
20:00	20.6	20.9	21.3	21.7	.30	.66	1.11	.36	.82
21:00	20.2	20.7	20.8	21.2	.47	.59	1.01	.12	.54
22:00	19.9	20.3	20.6	20.8	.40	.71	.96	.31	.56
23:00	19.2	19.8	20.1	20.3	.62	.95	1.16	.33	.54
Avg	20.1	20.1	20.1	20.2	.02	.04	.16	.02	.14
Max	23.4	23.0	22.7	22.6	.71	1.13	1.34	.41	.82
Hr. of Max	16	16	16	16	01	01	01	01	20
Min	17.5	18.0	18.1	18.3	-.64	-.92	-1.02	-.28	-.37
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/15/2014

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	17.0	17.8	17.5	23.6	93.5	94.7	14.4	15.1	0.012426
01:00	16.4	17.3	16.8	23.5	94.2	95.7	13.9	14.7	0.011954
02:00	16.3	17.1	16.7	23.3	94.4	96.6	13.9	14.6	0.011911
03:00	16.4	17.1	16.8	23.1	94.3	96.3	13.9	14.5	0.011945
04:00	16.6	17.1	17.1	23.0	94.2	96.2	14.1	14.5	0.012155
05:00	17.0	17.3	17.4	22.9	94.0	95.8	14.5	14.7	0.012447
06:00	17.3	17.4	17.7	22.8	94.1	95.3	14.7	14.8	0.012651
07:00	17.4	17.5	17.8	22.8	94.9	96.2	14.8	14.9	0.012742
08:00	17.7	17.7	18.0	22.7	94.8	96.2	15.0	15.1	0.012962
09:00	17.8	17.8	18.4	22.7	91.8	93.1	15.2	15.2	0.013127
10:00	17.9	17.8	18.6	22.7	89.5	90.7	15.2	15.1	0.013135
11:00	17.8	17.7	18.7	22.8	86.4	87.5	15.1	15.0	0.01307
12:00	18.1	17.9	19.0	22.9	85.3	85.7	15.3	15.2	0.013327
13:00	18.1	17.9	19.3	22.9	82.0	83.3	15.4	15.2	0.013396
14:00	18.2	17.9	19.7	23.1	76.7	78.6	15.3	15.1	0.013434
15:00	18.1	18.0	19.8	23.3	74.2	76.0	15.2	15.2	0.013387
16:00	18.4	18.3	20.1	23.6	75.1	76.9	15.5	15.5	0.013654
17:00	19.4	19.1	20.5	23.8	84.7	84.0	16.6	16.3	0.014567
18:00	19.3	19.3	20.3	23.9	84.2	84.5	16.4	16.4	0.014441
19:00	19.3	19.5	20.0	23.9	90.5	90.2	16.6	16.7	0.014478
20:00	19.0	19.3	19.5	23.9	92.6	92.7	16.2	16.5	0.014169
21:00	18.8	19.2	19.3	23.8	93.7	93.4	16.1	16.5	0.014011
22:00	18.6	19.2	19.0	23.6	94.4	95.4	15.9	16.4	0.013813
23:00	18.0	18.8	18.4	23.5	94.6	96.1	15.3	16.1	0.013249
Avg	17.9	18.1	18.6	23.3	89.3	90.5	15.2	15.4	0.013185
Max	19.4	19.5	20.5	23.9	94.9	96.6	16.6	16.7	0.014567
Hr. of Max	17	19	17	20	07	02	19	19	17
Min	16.3	17.1	16.7	22.7	74.2	76.0	13.9	14.5	0.011911
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/15/2014

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	0.013068	19.4	20.4	.00	29.27	991.3	-3.0	.00	316.6
01:00	0.012697	18.7	19.8	.00	29.27	991.2	-3.1	.00	280.0
02:00	0.012537	18.6	19.6	.00	29.27	991.2	-2.5	.00	307.9
03:00	0.012484	18.7	19.5	.00	29.26	990.9	-2.1	.00	251.1
04:00	0.012484	19.0	19.5	.00	29.26	990.9	-1.1	.00	227.7
05:00	0.012657	19.4	19.8	.00	29.27	991.1	-2.7	.00	271.8
06:00	0.012723	19.8	19.9	.00	29.27	991.4	-3.5	-.01	233.7
07:00	0.012805	19.9	20.0	.00	29.29	991.9	2.1	.00	228.6
08:00	0.012982	20.3	20.3	.00	29.29	992.0	34.9	.05	211.4
09:00	0.013109	20.5	20.5	.00	29.29	991.9	113.9	.16	223.7
10:00	0.013089	20.5	20.4	.00	29.29	992.0	128.8	.18	216.7
11:00	0.013031	20.4	20.3	.00	29.28	991.6	126.7	.18	238.8
12:00	0.013211	20.8	20.6	.00	29.27	991.4	123.4	.18	194.7
13:00	0.013219	20.9	20.6	.00	29.26	990.9	294.6	.42	194.4
14:00	0.013239	20.9	20.6	.00	29.24	990.3	430.1	.62	221.7
15:00	0.013289	20.9	20.7	.00	29.23	989.7	304.6	.44	264.0
16:00	0.013591	21.3	21.2	.00	29.22	989.4	214.2	.31	295.3
17:00	0.014273	22.6	22.2	.00	29.21	989.3	89.6	.13	313.7
18:00	0.014418	22.4	22.4	.00	29.21	989.1	54.3	.08	344.3
19:00	0.014617	22.5	22.7	.00	29.20	989.0	8.3	.01	285.5
20:00	0.014453	22.0	22.5	.00	29.20	989.0	-3.1	.00	265.7
21:00	0.014375	21.8	22.3	.00	29.21	989.3	-3.2	.00	286.1
22:00	0.014312	21.5	22.3	.00	29.21	989.3	-3.3	.00	350.5
23:00	0.013984	20.6	21.8	.00	29.22	989.7	-3.2	.00	305.9
Avg	0.01336	20.6	20.8	.00	29.25	990.6	78.9	.11	262.0
Max	0.014617	22.6	22.7	.00	29.29	992.0	430.1	.62	350.5
Hr. of Max	19	17	19	23	10	10	14	14	22
Min	0.012484	18.6	19.5	.00	29.20	989.0	-3.5	-.01	194.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/15/2014

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	58.2	60.3	321.6	55.1	54.4	52.4	34.5	.3	.2
01:00	13.3	59.0	283.5	54.5	22.2	33.8	14.5	.5	.4
02:00	22.9	135.0	307.6	129.8	27.5	53.6	56.1	.3	.2
03:00	327.2	38.7	256.3	30.1	39.7	52.2	29.1	.8	.1
04:00	217.4	184.1	245.0	189.1	33.2	35.5	34.7	1.0	.8
05:00	283.2	272.1	273.4	266.8	39.1	19.3	42.8	.4	.4
06:00	266.9	195.2	248.3	200.0	41.1	34.0	45.0	.7	.7
07:00	242.0	247.9	239.8	248.8	23.8	13.6	12.5	1.7	2.5
08:00	234.4	249.6	224.2	250.4	26.6	16.9	11.2	1.3	2.0
09:00	235.3	236.4	233.9	237.2	21.9	18.7	14.7	2.2	3.0
10:00	226.0	225.8	229.2	227.4	21.5	14.3	11.5	3.3	4.7
11:00	242.5	242.0	248.8	242.7	26.5	21.9	19.8	1.6	2.2
12:00	208.8	210.9	205.6	210.8	25.8	32.1	25.1	1.6	1.6
13:00	210.9	212.4	207.7	212.2	31.6	24.4	19.9	2.6	3.4
14:00	233.4	236.0	232.8	236.5	46.5	42.8	44.4	2.0	2.4
15:00	276.0	284.5	272.8	279.4	46.2	39.0	43.0	1.1	1.3
16:00	312.5	311.3	302.5	308.0	49.7	42.4	38.2	1.1	1.6
17:00	334.4	328.2	320.2	323.2	36.2	18.7	15.7	.9	1.9
18:00	356.0	353.6	346.2	357.3	31.8	27.7	41.0	.5	.7
19:00	287.7	278.6	297.6	277.2	36.5	32.1	30.1	.7	.9
20:00	284.4	279.7	269.7	283.7	36.8	36.8	29.1	.7	.6
21:00	218.5	242.5	287.7	244.8	44.6	60.7	49.4	.4	.6
22:00	52.5	107.8	356.6	92.0	40.1	37.5	30.1	.4	.5
23:00	221.4	160.0	294.6	151.6	56.3	65.2	26.1	.4	.1
Avg	269.0	243.0	269.0	247.0	35.8	34.4	29.9	.0	.0
Max	356.0	353.6	356.6	357.3	56.3	65.2	56.1	3.3	4.7
Hr. of Max	18	18	22	18	23	23	02	10	10
Min	13.3	38.7	205.6	30.1	21.5	13.6	11.2	.3	.1
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)

9/15/2014

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	.9	.5	.3	1.2	.9	1.6	2.2	.6	.03
01:00	.6	.8	.7	.6	1.2	1.0	2.9	-.7	.07
02:00	.2	.8	.5	.4	1.2	.9	.5	.1	.00
03:00	.3	.8	.3	.3	1.4	.9	1.3	1.0	.01
04:00	.3	1.1	.9	.6	1.6	1.0	-.2	.8	-.02
05:00	.3	.4	.6	.6	1.0	1.0	1.0	.2	.01
06:00	.5	1.0	.9	.6	1.5	.9	1.2	1.5	.01
07:00	2.2	1.9	2.6	2.3	2.5	2.7	-1.0	.3	-.07
08:00	2.9	1.4	2.1	3.0	1.8	3.4	.8	.6	.01
09:00	3.7	2.3	3.1	3.8	3.1	4.3	.8	1.0	-.07
10:00	5.5	3.5	4.8	5.6	4.1	6.1	-.5	-2.0	-.16
11:00	2.6	1.8	2.3	2.7	2.4	3.2	-4.9	-2.5	-.25
12:00	1.8	1.8	2.0	2.2	2.5	2.7	4.4	4.8	.14
13:00	3.7	3.0	3.8	4.0	3.6	4.6	1.1	2.8	-.02
14:00	2.6	2.6	2.9	3.1	3.2	3.8	2.6	5.2	.05
15:00	1.3	1.7	1.9	1.8	2.3	2.5	-8.5	-2.7	-.33
16:00	1.8	1.5	2.0	2.2	2.1	2.7	1.2	-1.0	-.05
17:00	2.1	1.1	2.1	2.3	1.5	2.6	-2.9	.0	-.09
18:00	.5	.7	.7	.6	1.1	.9	.9	-2.4	-.02
19:00	.5	1.0	1.8	1.1	1.4	1.5	-2.6	2.3	-.09
20:00	1.0	1.0	1.5	1.9	1.6	2.3	1.3	.7	.01
21:00	.3	.5	.6	.5	1.0	.9	2.9	-1.3	.05
22:00	.5	.6	.8	.7	1.0	1.2	2.5	-.8	.04
23:00	.3	.4	.2	.3	.8	.8	-.2	-1.7	-.02
Avg	.0	1.3	1.6	1.8	1.9	2.2	.3	.3	-.03
Max	5.5	3.5	4.8	5.6	4.1	6.1	4.4	5.2	.14
Hr. of Max	10	10	10	10	10	10	12	14	12
Min	.2	.4	.2	.3	.8	.8	-8.5	-2.7	-.33
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/15/2014

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	3.0	1.6	2.5	3.4	2.8	8.2	7.9
01:00	.02	2.1	2.1	2.5	2.7	2.4	8.1	10.2
02:00	.01	2.7	2.7	2.5	3.5	2.9	6.0	6.0
03:00	.02	2.5	2.3	2.1	3.2	2.4	8.3	12.3
04:00	.00	2.5	2.5	1.8	3.2	2.3	7.9	11.7
05:00	.02	3.7	2.7	3.2	2.6	3.7	8.4	8.9
06:00	.07	5.3	5.5	5.3	5.9	4.5	13.8	11.6
07:00	.02	3.7	4.6	4.6	4.2	4.7	9.8	5.4
08:00	.03	3.0	4.1	6.2	4.1	7.2	14.7	6.4
09:00	-.02	6.0	6.6	6.6	6.8	7.8	16.2	12.1
10:00	-.27	7.1	10.1	10.5	8.5	10.5	16.9	9.3
11:00	-.17	8.2	6.6	8.0	5.8	6.6	20.7	16.9
12:00	.18	5.5	5.7	6.2	5.6	6.6	21.1	21.3
13:00	.05	8.7	8.2	7.8	9.0	8.4	19.7	19.4
14:00	.40	7.3	7.8	7.6	8.1	9.5	26.1	27.2
15:00	-.22	4.8	5.5	6.0	5.5	6.5	25.5	28.7
16:00	-.07	7.6	5.5	5.0	5.9	6.0	26.2	26.9
17:00	-.01	3.0	4.1	4.1	3.6	4.1	14.6	8.7
18:00	-.05	2.5	2.7	3.9	3.2	3.1	19.1	15.8
19:00	.06	3.2	4.6	3.7	3.3	4.1	9.8	9.4
20:00	.16	3.0	8.5	5.7	3.5	6.0	10.2	9.1
21:00	-.02	1.6	3.0	3.0	2.2	2.5	9.7	10.4
22:00	.00	2.3	2.3	2.7	2.6	3.0	10.7	9.3
23:00	-.02	1.8	2.7	3.9	2.2	2.9	8.1	8.8
Avg	.01	4.2	4.7	4.8	4.5	5.0	14.2	13.1
Max	.40	8.7	10.1	10.5	9.0	10.5	26.2	28.7
Hr. of Max	14	13	10	10	13	10	16	15
Min	-.27	1.6	1.6	1.8	2.2	2.3	6.0	5.4
Count	24	24	24	24	24	24	24	24
Total								