Date Printed: 08/31/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/30/2014

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	21.0	21.7	22.3	23.2	.68	1.38	2.23	.69	1.55
01:00	20.6	21.7	22.0	23.0	1.08	1.38	2.35	.31	1.28
02:00	20.3	21.3	21.6	22.6	.93	1.26	2.25	.33	1.32
03:00	20.4	21.1	21.3	21.7	.75	.93	1.28	.18	.53
04:00	20.0	20.9	21.1	21.4	.89	1.13	1.37	.23	.48
05:00	19.9	20.7	20.8	21.0	.79	.85	1.12	.06	.34
06:00	19.9	20.5	20.5	20.8	.64	.67	.90	.03	.27
07:00	20.2	20.5	20.5	20.5	.28	.24	.30	-.04	.02
08:00	21.6	21.4	21.3	21.3	-.22	-.37	-.36	-.15	-.15
09:00	23.6	23.2	23.0	23.0	-.33	-.54	-.60	-.21	-.27
10:00	26.3	25.6	25.3	25.2	-.66	-.94	-1.08	-.28	-.41
11:00	28.1	27.2	27.0	26.9	-.83	-1.07	-1.14	-.24	-.32
12:00	29.6	28.6	28.3	28.2	-1.00	-1.28	-1.41	-.28	-.41
13:00	29.3	28.5	28.2	28.2	-.80	-1.04	-1.11	-.23	-.31
14:00	29.9	28.9	28.6	28.5	-1.01	-1.31	-1.44	-.30	-.43
15:00	30.9	29.9	29.6	29.5	-1.00	-1.35	-1.44	-.34	-.44
16:00	26.1	26.0	25.9	26.0	-.12	-.21	-.16	-.09	-.04
17:00	26.5	26.5	26.4	26.4	-.02	-.08	-.11	-.06	-.09
18:00	25.5	25.4	25.3	25.5	-.18	-.21	-.06	-.04	.11
19:00	25.0	25.0	25.1	25.1	.03	.10	.19	.07	.16
20:00	23.8	23.7	24.1	24.4	-.07	.28	.54	.35	.62
21:00	21.1	21.1	21.1	21.2	-.06	-.07	.05	-.01	.12
22:00	21.2	21.0	21.1	21.3	-.12	-.08	.12	.04	.24
23:00	21.2	21.1	21.0	21.1	-.07	-.14	-.03	-.07	.05
Avg	23.8	23.8	23.8	24.0	-.02	-.02	.16	.00	.18
Max	30.9	29.9	29.6	29.5	1.08	1.38	2.35	.69	1.55
Hr. of Max	15	15	15	15	01	01	01	00	00
Min	19.9	20.5	20.5	20.5	-1.01	-1.35	-1.44	-.34	-.44
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/30/2014

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	19.1	19.7	19.7	28.3	91.1	90.9	16.3	16.9	0.014267
01:00	18.9	19.7	19.5	28.0	91.9	90.6	16.1	16.9	0.014071
02:00	18.7	19.5	19.2	27.7	92.2	91.7	15.9	16.7	0.013873
03:00	18.8	19.4	19.3	27.4	92.4	91.8	16.0	16.6	0.013968
04:00	18.6	19.2	19.1	27.2	93.5	92.1	15.9	16.4	0.013801
05:00	18.6	19.1	19.0	26.9	94.2	92.7	15.9	16.4	0.013811
06:00	18.6	19.1	19.0	26.7	94.7	93.7	15.9	16.3	0.01384
07:00	18.8	19.1	19.3	26.4	93.7	93.4	16.1	16.3	0.014019
08:00	19.2	18.9	20.0	26.2	88.1	87.5	16.4	16.1	0.014347
09:00	19.3	18.9	20.7	26.1	79.1	78.3	16.4	16.0	0.014483
10:00	19.0	18.3	21.4	26.1	66.1	65.9	16.0	15.4	0.014204
11:00	18.7	17.9	21.8	26.3	58.4	58.4	15.6	15.0	0.013968
12:00	18.5	17.9	22.2	26.7	52.9	53.9	15.4	14.8	0.013811
13:00	18.9	18.6	22.4	27.3	55.2	56.8	15.8	15.5	0.014176
14:00	19.4	19.3	22.9	27.8	55.1	57.9	16.3	16.2	0.014676
15:00	19.5	19.3	23.3	28.2	52.2	54.6	16.3	16.2	0.014778
16:00	20.5	19.8	22.4	28.5	74.1	70.8	17.7	16.8	0.01576
17:00	22.0	21.0	23.5	28.7	79.1	74.2	19.2	18.1	0.017237
18:00	22.9	22.6	23.8	28.7	88.2	87.2	20.4	20.0	0.018228
19:00	22.7	22.6	23.5	28.6	90.1	89.0	20.2	20.0	0.017995
20:00	21.8	21.8	22.5	28.5	91.2	91.4	19.2	19.2	0.017023
21:00	19.7	19.8	20.2	28.2	93.7	94.5	16.9	17.0	0.014813
22:00	20.0	20.1	20.4	27.9	95.4	96.4	17.3	17.3	0.015104
23:00	20.0	20.1	20.4	27.5	95.3	96.6	17.2	17.4	0.015061
Avg	19.7	19.7	21.1	27.5	81.6	81.3	16.9	16.8	0.014888
Max	22.9	22.6	23.8	28.7	95.4	96.6	20.4	20.0	0.018228
Hr. of Max	18	19	18	18	22	23	18	19	18
Min	18.5	17.9	19.0	26.1	52.2	53.9	15.4	14.8	0.013801
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/30/2014

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	0.014852	22.2	23.1	.00	29.19	988.5	-2.2	.00	275.2
01:00	0.014813	21.9	23.0	.00	29.19	988.6	-1.5	.00	21.5
02:00	0.014611	21.6	22.7	.00	29.20	988.7	-2.8	.00	1.3
03:00	0.014523	21.7	22.6	.00	29.20	988.8	-2.2	.00	14.9
04:00	0.014354	21.5	22.3	.00	29.20	988.8	-1.2	.00	29.2
05:00	0.014274	21.5	22.2	.00	29.20	989.0	-1.5	.00	69.6
06:00	0.014246	21.5	22.1	.00	29.21	989.2	-1.3	.00	70.2
07:00	0.014217	21.8	22.1	.00	29.22	989.5	19.5	.03	60.1
08:00	0.014058	22.3	21.9	.00	29.22	989.7	176.9	.25	76.8
09:00	0.01406	22.5	21.9	.00	29.23	989.9	263.3	.38	98.8
10:00	0.013621	22.1	21.2	.00	29.23	989.9	613.3	.88	90.3
11:00	0.013311	21.7	20.7	.00	29.23	989.9	672.7	.96	115.5
12:00	0.013273	21.5	20.7	.00	29.22	989.7	632.8	.91	209.7
13:00	0.013903	22.0	21.6	.00	29.22	989.4	490.0	.70	319.0
14:00	0.014559	22.8	22.6	.00	29.20	988.7	642.1	.92	312.0
15:00	0.014595	22.9	22.6	.00	29.17	987.9	742.2	1.06	227.6
16:00	0.014985	24.4	23.2	.04	29.16	987.5	310.9	.45	219.8
17:00	0.016162	26.6	25.0	.01	29.15	987.1	213.0	.31	233.1
18:00	0.017827	28.1	27.5	.00	29.15	987.0	111.3	.16	338.1
19:00	0.017815	27.8	27.5	.00	29.15	987.0	24.3	.03	27.2
20:00	0.016988	26.3	26.3	.11	29.18	988.0	-2.4	.00	272.7
21:00	0.014893	23.0	23.1	.12	29.22	989.4	-1.9	.00	320.1
22:00	0.015153	23.5	23.5	.03	29.21	989.2	-2.4	.00	282.2
23:00	0.015198	23.4	23.6	.16	29.24	990.1	-2.0	.00	245.9
Avg	0.014845	23.1	23.0	.02	29.20	988.8	203.8	.29	352.0
Max	0.017827	28.1	27.5	.16	29.24	990.1	742.2	1.06	338.1
Hr. of Max	18	18	19	23	23	23	15	15	18
Min	0.013273	21.5	20.7	.00	29.15	987.0	-2.8	.00	1.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/30/2014

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	267.2	278.5	272.9	277.5	36.1	40.6	34.3	1.1	.9
01:00	56.3	48.9	19.2	44.4	27.1	9.6	24.7	1.2	1.7
02:00	63.7	29.7	347.4	25.4	35.0	13.1	26.0	.3	1.0
03:00	68.1	70.0	13.4	66.5	36.6	11.8	6.8	.7	1.4
04:00	55.4	66.5	27.9	62.8	20.6	11.9	8.6	1.2	2.0
05:00	65.7	59.6	71.8	55.5	23.2	11.7	6.1	1.0	2.2
06:00	56.7	57.1	69.6	52.8	14.0	8.4	3.5	1.6	3.2
07:00	50.2	62.3	57.7	57.8	15.7	8.4	5.6	2.0	3.6
08:00	55.8	55.7	77.5	51.2	30.1	22.6	18.4	1.4	2.4
09:00	63.5	61.4	96.7	57.6	30.5	33.8	27.7	1.8	1.6
10:00	67.4	62.4	93.3	59.3	49.6	41.7	39.9	1.3	1.5
11:00	110.3	121.6	112.5	117.6	42.8	44.5	46.7	1.7	1.8
12:00	199.6	202.1	211.4	203.8	45.5	40.6	39.6	2.4	3.1
13:00	300.1	301.6	309.7	299.2	27.9	20.7	19.5	2.4	3.2
14:00	311.7	319.8	305.3	315.6	42.3	38.5	34.4	2.3	2.7
15:00	220.7	235.1	226.6	232.8	57.8	47.1	46.9	2.2	2.7
16:00	185.4	176.8	221.8	176.8	46.4	39.8	38.0	2.8	4.0
17:00	184.6	183.3	232.6	183.1	42.5	35.3	26.2	1.2	1.9
18:00	320.1	322.3	329.3	316.8	36.6	32.0	29.0	1.8	3.2
19:00	29.2	31.3	22.0	25.9	48.2	30.7	20.7	1.2	2.2
20:00	253.5	267.0	271.7	270.2	35.4	27.5	44.4	3.3	4.3
21:00	303.0	284.8	314.5	285.1	61.2	49.2	33.8	1.5	2.7
22:00	301.6	288.6	271.9	285.6	75.2	59.2	48.7	.2	.7
23:00	218.7	214.6	256.6	216.5	44.1	27.3	17.0	1.3	2.8
Avg	33.0	24.0	342.0	15.0	38.5	29.4	26.9	.0	.0
Max	320.1	322.3	347.4	316.8	75.2	59.2	48.7	3.3	4.3
Hr. of Max	18	18	02	18	22	22	22	20	20
Min	29.2	29.7	13.4	25.4	14.0	8.4	3.5	.2	.7
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)

8/30/2014

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	1.0	1.5	1.7	1.3	1.8	1.6	2.0	1.3	.06
01:00	1.6	1.4	1.7	1.8	1.5	2.0	1.3	-.5	.03
02:00	1.0	.5	1.1	1.1	.7	1.4	1.6	1.1	.03
03:00	2.4	.8	1.4	2.4	1.0	2.6	1.2	.2	.02
04:00	2.6	1.3	2.0	2.6	1.5	2.9	1.1	.6	.00
05:00	4.3	1.1	2.3	4.3	1.3	4.5	.7	-.3	.01
06:00	4.8	1.6	3.2	4.8	1.8	5.0	-2.3	-1.1	-.09
07:00	4.3	2.0	3.7	4.3	2.2	4.4	-3.1	-3.0	-.18
08:00	3.2	1.6	2.5	3.3	2.0	3.6	2.2	1.8	.04
09:00	1.7	2.0	1.8	1.9	2.4	2.3	-.3	2.0	.01
10:00	1.7	1.8	1.8	2.1	2.4	2.6	4.8	10.4	.25
11:00	1.9	2.2	2.2	2.4	2.8	3.1	-5.7	-4.8	-.22
12:00	3.5	3.3	3.7	4.0	3.9	4.5	2.1	-1.2	.13
13:00	3.3	2.6	3.4	3.5	3.0	3.6	2.5	-2.9	-.09
14:00	3.1	2.7	3.2	3.5	3.1	3.8	-2.7	-3.6	-.36
15:00	3.1	3.7	4.2	4.6	4.3	5.3	.5	-.9	-.12
16:00	5.3	3.5	4.7	6.0	4.1	6.5	-.1	-.1	-.16
17:00	2.5	1.7	2.6	3.2	2.1	3.6	6.8	-.3	.18
18:00	3.2	2.5	4.1	4.4	2.7	4.6	3.3	-.2	-.02
19:00	2.9	1.5	2.4	3.3	1.8	3.5	.0	1.5	-.06
20:00	4.4	4.1	6.0	6.9	4.5	7.3	-.9	-.9	-.21
21:00	4.1	2.4	3.4	4.5	2.6	4.6	1.5	.3	-.07
22:00	1.7	1.2	1.6	2.3	1.6	2.5	2.7	1.4	.05
23:00	4.4	1.9	3.2	4.7	2.3	4.9	-3.7	-1.5	-.12
Avg	.0	2.0	2.8	3.5	2.4	3.8	.6	.0	-.04
Max	5.3	4.1	6.0	6.9	4.5	7.3	6.8	10.4	.25
Hr. of Max	16	20	20	20	20	20	17	10	10
Min	1.0	.5	1.1	1.1	.7	1.4	-5.7	-4.8	-.36
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/30/2014

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	5.7	7.1	5.7	6.1	6.0	8.3	10.0
01:00	-.01	2.5	2.7	3.2	2.6	3.4	7.1	5.6
02:00	.03	2.3	3.2	2.5	1.6	2.7	7.5	7.0
03:00	.02	1.8	3.2	4.6	1.9	4.1	6.1	3.7
04:00	.03	3.0	4.1	4.8	3.1	5.0	7.8	4.4
05:00	-.03	2.7	5.0	8.2	2.7	7.3	11.5	5.3
06:00	-.09	3.4	5.3	7.8	3.9	6.8	9.6	3.3
07:00	-.24	4.6	10.1	9.2	5.2	8.0	14.5	4.4
08:00	.01	3.9	6.9	8.0	4.7	6.7	20.6	15.4
09:00	.08	4.4	4.8	4.6	5.4	5.2	19.5	22.1
10:00	.53	6.0	6.4	6.9	6.2	7.4	29.2	29.6
11:00	-.37	5.7	7.1	7.3	7.6	8.4	27.0	32.3
12:00	-.02	8.5	9.6	8.7	10.8	9.7	22.9	25.6
13:00	-.41	7.3	8.2	8.2	9.0	8.5	24.1	20.2
14:00	-.43	6.6	7.3	10.1	7.0	7.4	25.8	24.3
15:00	-.30	19.5	20.4	22.4	21.9	23.8	24.5	28.5
16:00	-.41	27.0	27.2	31.4	22.6	23.8	22.9	21.3
17:00	-.03	7.8	11.2	12.1	8.7	13.5	24.3	18.2
18:00	-.07	5.7	7.3	11.2	6.2	8.9	19.6	9.8
19:00	.06	5.7	10.3	13.3	4.8	7.9	18.2	15.4
20:00	-.03	35.0	39.6	46.7	34.7	49.9	11.1	10.1
21:00	-.02	12.1	13.1	26.1	10.6	16.0	17.2	12.1
22:00	.05	10.1	13.5	12.8	12.3	13.1	15.0	12.4
23:00	-.12	13.5	23.4	24.3	12.2	15.6	14.9	7.6
Avg	-.07	8.5	10.7	12.5	8.8	11.2	17.1	14.5
Max	.53	35.0	39.6	46.7	34.7	49.9	29.2	32.3
Hr. of Max	10	20	20	20	20	20	10	11
Min	-.43	1.8	2.7	2.5	1.6	2.7	6.1	3.3
Count	24	24	24	24	24	24	24	24
Total								