Date Printed: 09/01/2014 11:43

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/31/2014

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	21.3	21.5	21.5	21.6	.12	.13	.23	.01	.11
01:00	21.6	21.5	21.4	21.4	-.05	-.17	-.17	-.12	-.12
02:00	20.9	21.0	21.0	21.0	.12	.11	.12	-.01	.01
03:00	20.6	20.8	20.8	20.9	.20	.20	.26	.00	.06
04:00	20.4	20.5	20.7	20.9	.13	.36	.52	.23	.39
05:00	20.0	20.3	20.5	20.8	.28	.48	.73	.19	.45
06:00	19.8	20.2	20.4	20.6	.35	.52	.72	.17	.37
07:00	19.8	19.9	20.2	20.4	.11	.36	.61	.26	.50
08:00	20.6	20.4	20.4	20.6	-.18	-.21	-.04	-.03	.15
09:00	21.4	21.1	20.9	20.9	-.26	-.43	-.45	-.17	-.19
10:00	21.9	21.6	21.4	21.3	-.29	-.53	-.59	-.23	-.29
11:00	23.0	22.5	22.3	22.2	-.50	-.75	-.85	-.25	-.35
12:00	24.6	24.0	23.8	23.7	-.58	-.82	-.91	-.24	-.33
13:00	25.8	25.4	25.2	25.1	-.45	-.67	-.77	-.22	-.32
14:00	26.3	25.9	25.7	25.6	-.37	-.61	-.68	-.24	-.31
15:00	26.0	25.9	25.7	25.7	-.16	-.30	-.30	-.14	-.14
16:00	25.5	25.3	25.3	25.4	-.21	-.25	-.10	-.04	.11
17:00	24.1	24.3	24.4	24.6	.24	.31	.48	.07	.24
18:00	22.1	21.9	21.8	21.8	-.22	-.37	-.32	-.15	-.10
19:00	22.0	21.9	21.9	22.0	-.13	-.15	-.05	-.02	.08
20:00	21.5	21.4	21.7	22.1	-.11	.18	.59	.29	.70
21:00	21.4	21.3	21.6	21.8	-.04	.21	.46	.24	.49
22:00	21.3	21.4	21.5	21.7	.18	.25	.41	.07	.23
23:00	21.2	21.2	21.4	21.8	.10	.23	.65	.13	.55
Avg	22.2	22.1	22.1	22.2	-.07	-.08	.02	-.01	.10
Max	26.3	25.9	25.7	25.7	.35	.52	.73	.29	.70
Hr. of Max	14	15	15	15	06	06	05	20	20
Min	19.8	19.9	20.2	20.4	-.58	-.82	-.91	-.25	-.35
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/31/2014

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	20.2	20.4	20.6	27.1	95.7	96.1	17.5	17.7	0.015319
01:00	20.2	20.4	20.6	26.9	93.8	95.4	17.4	17.6	0.015246
02:00	19.8	20.0	20.1	26.7	95.5	96.1	17.0	17.3	0.014878
03:00	19.6	19.8	19.9	26.5	96.1	96.5	16.8	17.1	0.014688
04:00	19.3	19.6	19.7	26.3	96.1	96.9	16.6	16.9	0.014483
05:00	19.0	19.5	19.4	26.1	96.1	97.1	16.3	16.8	0.014196
06:00	18.8	19.4	19.2	25.9	96.1	97.2	16.1	16.6	0.014012
07:00	18.8	19.1	19.1	25.7	96.1	97.3	16.1	16.4	0.013992
08:00	19.5	19.6	19.9	25.5	95.8	97.3	16.8	16.9	0.014635
09:00	20.0	20.0	20.4	25.4	93.9	95.9	17.2	17.3	0.015052
10:00	20.0	20.1	20.7	25.4	91.3	93.5	17.3	17.4	0.015111
11:00	19.9	19.8	20.9	25.4	84.9	86.7	17.1	16.9	0.015017
12:00	20.1	19.6	21.6	25.5	78.4	78.2	17.2	16.7	0.015248
13:00	20.8	20.4	22.4	25.8	75.6	75.9	17.8	17.5	0.01587
14:00	21.0	20.7	22.7	26.1	74.7	75.0	18.1	17.8	0.016103
15:00	21.6	21.3	23.0	26.3	78.9	78.2	18.7	18.4	0.016713
16:00	23.0	22.7	23.8	26.5	88.6	87.8	20.5	20.1	0.018274
17:00	21.9	21.6	22.7	26.6	90.2	86.8	19.3	18.8	0.017138
18:00	20.2	20.0	20.9	26.6	91.1	91.4	17.4	17.3	0.015325
19:00	20.6	20.5	21.1	26.5	94.2	94.3	17.9	17.8	0.015724
20:00	20.4	20.4	20.7	26.4	95.7	96.4	17.6	17.7	0.015475
21:00	20.3	20.4	20.6	26.2	95.9	96.6	17.5	17.6	0.01537
22:00	20.2	20.5	20.6	26.0	96.0	96.6	17.5	17.8	0.01531
23:00	20.1	20.3	20.4	25.9	96.0	96.5	17.4	17.5	0.015203
Avg	20.2	20.3	20.9	26.1	91.1	91.7	17.5	17.5	0.015349
Max	23.0	22.7	23.8	27.1	96.1	97.3	20.5	20.1	0.018274
Hr. of Max	16	16	16	00	07	08	16	16	16
Min	18.8	19.1	19.1	25.4	74.7	75.0	16.1	16.4	0.013992
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/31/2014

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	0.015498	23.8	24.1	.01	29.23	989.9	-2.5	.00	202.0
01:00	0.015455	23.7	24.0	.00	29.23	989.7	-2.5	.00	197.1
02:00	0.015081	23.1	23.4	.00	29.22	989.4	-1.9	.00	280.3
03:00	0.014942	22.8	23.2	.00	29.21	989.2	-2.1	.00	292.2
04:00	0.014733	22.5	22.9	.00	29.21	989.3	-3.0	.00	.8
05:00	0.014607	22.1	22.7	.00	29.22	989.4	-3.0	.00	187.3
06:00	0.014489	21.8	22.5	.00	29.23	989.7	-2.6	.00	301.2
07:00	0.01426	21.8	22.2	.00	29.24	990.1	19.4	.03	257.5
08:00	0.014691	22.8	22.8	.00	29.23	990.0	63.0	.09	229.7
09:00	0.015128	23.4	23.5	.00	29.24	990.2	117.8	.17	231.3
10:00	0.015212	23.5	23.6	.00	29.25	990.4	177.8	.25	232.5
11:00	0.014866	23.4	23.1	.00	29.25	990.5	437.9	.63	234.7
12:00	0.014693	23.7	22.8	.00	29.24	990.1	592.6	.85	197.2
13:00	0.015507	24.6	24.1	.00	29.22	989.6	344.0	.49	211.0
14:00	0.015812	25.0	24.5	.00	29.21	989.1	326.4	.47	214.1
15:00	0.016429	25.9	25.4	.07	29.19	988.5	221.6	.32	239.8
16:00	0.017895	28.2	27.6	.00	29.17	988.0	189.9	.27	236.7
17:00	0.016732	26.5	25.9	.09	29.18	988.1	36.1	.05	247.9
18:00	0.015166	23.8	23.5	.01	29.18	988.2	121.4	.17	229.2
19:00	0.015616	24.4	24.2	.00	29.18	988.3	22.4	.03	278.6
20:00	0.015499	24.0	24.0	.00	29.18	988.2	-2.4	.00	313.6
21:00	0.015459	23.8	24.0	.00	29.19	988.7	-2.4	.00	356.1
22:00	0.015572	23.7	24.1	.00	29.19	988.5	-2.1	.00	349.8
23:00	0.015375	23.6	23.8	.00	29.18	988.3	-1.5	.00	9.5
Avg	0.015363	23.8	23.8	.01	29.21	989.2	110.2	.16	252.0
Max	0.017895	28.2	27.6	.09	29.25	990.5	592.6	.85	356.1
Hr. of Max	16	16	16	17	11	11	12	12	21
Min	0.01426	21.8	22.2	.00	29.17	988.0	-3.0	.00	.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/31/2014

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	159.2	162.2	222.5	163.7	66.6	37.4	19.5	.2	1.6
01:00	181.0	181.9	200.2	182.9	28.0	20.8	17.5	2.0	3.2
02:00	238.1	219.2	280.5	220.4	22.6	28.8	17.4	1.1	1.8
03:00	236.8	212.1	287.6	213.5	19.5	20.6	15.4	1.1	1.7
04:00	291.1	286.8	316.5	284.5	42.2	56.1	20.2	.3	.5
05:00	104.2	45.4	241.0	6.3	37.6	48.7	61.6	.2	.3
06:00	109.5	104.8	297.3	111.5	49.0	39.8	21.6	.6	.2
07:00	236.6	209.6	259.9	226.1	28.8	32.6	36.3	.9	1.0
08:00	217.0	174.7	240.0	182.6	43.5	49.4	44.7	.7	.5
09:00	209.2	213.5	234.3	214.7	27.7	22.6	13.8	2.3	3.2
10:00	220.0	227.8	235.4	229.4	23.1	17.1	13.3	2.9	4.2
11:00	224.5	230.5	234.8	231.9	29.7	20.6	16.5	3.2	4.3
12:00	199.8	218.2	201.6	218.7	44.7	34.4	34.9	2.0	2.7
13:00	207.3	214.2	212.8	215.0	35.8	26.7	20.4	3.1	4.5
14:00	203.5	208.9	215.4	210.1	25.2	19.4	15.6	4.1	5.7
15:00	224.0	223.7	241.2	225.7	43.4	36.5	39.6	2.4	3.7
16:00	222.7	220.8	238.3	222.0	44.5	26.1	14.2	1.7	3.2
17:00	219.4	219.1	247.7	220.6	25.9	16.8	11.2	3.7	6.7
18:00	210.9	210.8	231.2	212.1	35.1	22.1	15.2	1.9	3.5
19:00	242.4	235.6	273.5	236.5	31.1	20.6	11.6	.7	1.1
20:00	256.6	240.0	292.4	241.3	60.3	45.1	14.7	.4	.5
21:00	59.9	245.5	326.3	250.1	52.0	37.9	41.0	.4	.3
22:00	26.8	126.2	342.0	128.0	21.0	37.3	31.6	1.0	.8
23:00	357.1	350.3	358.3	344.6	54.5	35.6	30.4	.7	1.7
Avg	215.0	212.0	256.0	218.0	37.2	31.4	24.1	.0	.0
Max	357.1	350.3	358.3	344.6	66.6	56.1	61.6	4.1	6.7
Hr. of Max	23	23	23	23	00	04	05	14	17
Min	26.8	45.4	200.2	6.3	19.5	16.8	11.2	.2	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/31/2014

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	3.0	.9	1.9	3.3	1.4	3.6	6.3	2.3	.14
01:00	4.5	2.2	3.4	4.7	2.6	4.9	2.2	1.9	.00
02:00	2.2	1.2	2.0	2.4	1.5	2.6	-1.6	-.7	-.06
03:00	2.6	1.2	1.9	2.8	1.3	3.0	-1.8	-.3	-.06
04:00	1.8	.5	.6	1.9	.8	2.0	3.1	1.8	.04
05:00	.4	.4	.4	.5	.7	.8	2.7	.1	.04
06:00	.2	.7	.3	.2	1.0	.6	1.5	.8	.02
07:00	.3	1.0	1.1	.4	1.3	.7	.9	.5	.00
08:00	.5	.9	.8	.6	1.4	1.0	2.0	1.4	.04
09:00	4.5	2.5	3.6	4.9	3.0	5.2	-.4	-1.3	-.11
10:00	5.3	3.1	4.4	5.4	3.5	5.9	.6	.9	-.04
11:00	5.3	3.6	4.6	5.5	4.1	6.0	2.7	.2	.05
12:00	3.0	2.7	3.1	3.5	3.4	4.0	-.4	6.7	-.02
13:00	5.8	3.6	4.9	6.2	4.3	6.6	1.1	2.3	-.05
14:00	7.1	4.6	6.1	7.4	5.0	7.9	.6	1.4	-.09
15:00	4.8	3.5	4.5	5.6	4.0	5.9	-2.1	.7	-.26
16:00	5.0	2.1	3.5	5.3	2.4	5.7	1.0	-1.0	-.06
17:00	9.4	4.2	7.0	9.6	4.7	10.2	-.5	.5	-.12
18:00	5.4	2.2	3.8	5.5	2.7	5.9	2.0	1.0	.03
19:00	2.0	.8	1.2	2.1	1.1	2.3	3.9	-.5	.04
20:00	1.5	.4	.5	1.7	.7	1.8	4.3	.3	.05
21:00	.2	.7	.9	1.3	1.1	1.6	4.9	.2	.05
22:00	.5	1.2	1.3	1.6	1.4	1.8	-.9	-.4	-.05
23:00	1.3	1.0	2.0	1.8	1.3	2.1	.3	.7	-.04
Avg	.0	1.9	2.7	3.5	2.3	3.8	1.4	.8	-.02
Max	9.4	4.6	7.0	9.6	5.0	10.2	6.3	6.7	.14
Hr. of Max	17	14	17	17	14	17	00	12	00
Min	.2	.4	.3	.2	.7	.6	-2.1	-1.3	-.26
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/31/2014

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	4.1	7.3	9.4	5.1	8.9	18.3	14.8
01:00	.09	6.6	7.8	9.8	7.2	10.4	18.1	12.2
02:00	-.04	3.0	3.7	9.4	3.2	6.0	10.4	12.0
03:00	-.02	2.7	3.9	6.6	3.2	7.5	9.5	6.3
04:00	.04	2.5	3.4	4.4	2.4	4.5	12.4	10.5
05:00	-.01	1.6	1.8	4.1	1.8	3.5	11.3	18.3
06:00	.02	2.1	2.1	2.3	2.4	2.1	6.7	8.3
07:00	.01	3.4	3.0	1.6	2.6	1.9	8.2	8.9
08:00	.01	2.5	2.3	3.0	2.8	3.4	14.5	18.3
09:00	-.18	7.3	8.9	9.4	8.5	9.9	15.9	8.7
10:00	-.02	11.0	12.4	13.7	8.1	10.7	17.4	10.8
11:00	-.16	11.9	9.8	13.1	9.0	11.4	19.6	15.9
12:00	.33	8.9	8.5	8.7	8.1	9.5	22.9	24.8
13:00	.11	10.1	11.0	12.8	11.1	13.3	19.8	14.8
14:00	.06	10.5	13.7	14.2	12.5	15.4	17.6	12.6
15:00	-.08	9.2	10.1	15.6	9.8	12.5	15.7	13.2
16:00	-.09	8.9	10.5	11.9	9.9	13.2	19.3	9.6
17:00	.00	25.2	30.5	32.3	24.5	35.9	15.8	8.5
18:00	.03	9.4	22.2	23.4	10.8	17.5	18.9	10.3
19:00	-.03	2.7	3.7	8.0	3.6	4.9	15.9	5.5
20:00	.01	2.1	2.3	4.4	2.2	3.6	12.6	4.2
21:00	.02	3.4	3.4	4.4	4.0	3.8	16.2	11.8
22:00	-.04	3.7	4.6	4.4	3.3	4.6	10.2	15.0
23:00	.07	4.4	6.6	6.6	4.9	7.0	17.5	12.2
Avg	.01	6.6	8.1	9.7	6.7	9.2	15.2	12.0
Max	.33	25.2	30.5	32.3	24.5	35.9	22.9	24.8
Hr. of Max	12	17	17	17	17	17	12	12
Min	-.18	1.6	1.8	1.6	1.8	1.9	6.7	4.2
Count	24	24	24	24	24	24	24	24
Total								