Date Printed: 08/28/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/27/2014

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	19.3	20.5	20.8	21.5	1.18	1.50	2.25	.32	1.07
01:00	19.1	20.2	20.3	20.7	1.04	1.19	1.58	.15	.55
02:00	18.5	19.6	19.8	20.1	1.15	1.34	1.61	.19	.47
03:00	17.9	19.1	19.5	20.0	1.14	1.51	2.08	.36	.93
04:00	17.6	18.8	19.0	19.5	1.15	1.35	1.87	.20	.72
05:00	17.9	18.8	19.0	19.3	.84	1.02	1.38	.18	.54
06:00	18.4	18.6	18.6	18.8	.20	.18	.34	-.02	.14
07:00	18.5	18.3	18.2	18.3	-.14	-.24	-.12	-.10	.02
08:00	19.1	18.8	18.6	18.6	-.31	-.51	-.48	-.20	-.16
09:00	21.4	20.5	20.0	20.2	-.89	-1.33	-1.14	-.44	-.25
10:00	23.9	22.9	21.9	22.2	-1.02	-1.99	-1.68	-.97	-.66
11:00	25.7	24.8	24.6	24.1	-.90	-1.18	-1.68	-.28	-.78
12:00	27.3	26.3	25.9	25.8	-1.05	-1.38	-1.49	-.34	-.44
13:00	28.5	27.6	27.3	27.2	-.97	-1.24	-1.37	-.27	-.40
14:00	29.1	28.1	27.8	27.7	-.96	-1.28	-1.42	-.32	-.46
15:00	29.8	28.9	28.5	28.4	-.96	-1.29	-1.39	-.33	-.43
16:00	30.0	29.2	29.0	28.8	-.75	-1.04	-1.16	-.29	-.41
17:00	29.9	29.5	29.2	29.1	-.45	-.71	-.83	-.26	-.38
18:00	28.5	28.7	28.9	29.0	.16	.40	.43	.25	.27
19:00	24.9	26.2	27.4	28.0	1.30	2.58	3.16	1.28	1.86
20:00	22.6	24.4	25.3	25.8	1.79	2.69	3.26	.90	1.47
21:00	21.1	22.8	23.4	24.2	1.75	2.30	3.11	.55	1.36
22:00	20.1	21.5	22.1	23.1	1.40	1.99	3.00	.59	1.60
23:00	19.5	20.9	21.3	22.3	1.41	1.78	2.77	.37	1.36
Avg	22.9	23.1	23.2	23.4	.25	.32	.59	.06	.33
Max	30.0	29.5	29.2	29.1	1.79	2.69	3.26	1.28	1.86
Hr. of Max	16	17	17	17	20	20	20	19	19
Min	17.6	18.3	18.2	18.3	-1.05	-1.99	-1.68	-.97	-.78
Count	24	24	24	24	24	24	24	24	24
Total									

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/27/2014

Interval: 001h

	14_DewPtC_002m	15_DewPtC_015m	18_SoilTempC	19_RH_002m	20_RH_015m	21_AbsHum_002m	22_AbsHum_015m	23_Mix Ratio_002m	24_Mix Ratio_015m
Hour	DEGC	DEGC	DEGC	PERCENT	PERCENT	G/M3	STAB	COUNT	COUNT
00:00	17.8	18.8	27.0	92.9	92.4	15.1	17.1	0.013118	0.014039
01:00	17.7	18.7	26.7	93.4	93.6	15.1	17.0	0.013067	0.013962
02:00	17.1	18.4	26.4	93.4	95.0	14.5	16.7	0.012538	0.013692
03:00	16.6	18.1	26.2	93.8	96.2	14.1	16.5	0.012178	0.013413
04:00	16.4	17.8	25.9	94.1	96.3	13.9	16.2	0.011977	0.013163
05:00	16.9	17.8	25.6	95.3	96.1	14.3	16.2	0.012356	0.01314
06:00	17.4	17.7	25.4	95.9	96.5	14.8	16.1	0.012824	0.013069
07:00	17.5	17.5	25.1	95.9	97.0	14.9	15.9	0.012853	0.012886
08:00	17.9	18.0	25.0	94.6	97.1	15.2	16.3	0.013181	0.013265
09:00	18.1	17.5	24.9	83.8	84.8	15.4	15.8	0.013409	0.012839
10:00	18.4	17.3	24.9	72.9	72.5	15.5	15.5	0.013639	0.012738
11:00	18.5	17.7	25.2	66.0	66.1	15.5	15.8	0.013776	0.013077
12:00	18.0	17.1	25.7	58.4	58.4	15.0	15.2	0.013403	0.012589
13:00	17.7	17.1	26.5	53.2	54.2	14.7	15.1	0.013118	0.012606
14:00	17.4	17.0	27.3	51.0	52.4	14.4	15.1	0.012948	0.012586
15:00	17.1 D	16.5 D	27.9	47.8	48.5	14.1 D	14.6 D	0.012673 D	0.012193 D
16:00	16.7	16.0	28.2	46.0	46.0	13.7	14.2	0.012349	0.011808
17:00	16.6	15.9	28.6	46.0	45.1	13.7	14.1	0.012314	0.011753
18:00	17.8	16.7	28.8	53.9	50.0	14.8	14.9	0.013243	0.012411
19:00	19.1	18.4	28.8	72.2	64.0	16.1	16.4	0.014326	0.013718
20:00	18.6	18.5	28.7	80.1	71.3	15.8	16.5	0.01388	0.01376
21:00	17.9	18.5	28.4	84.1	78.6	15.2	16.7	0.013283	0.013807
22:00	17.6	18.3	28.0	87.4	83.8	15.0	16.5	0.013028	0.013611
23:00	17.2	18.2	27.7	88.5	86.5	14.6	16.5	0.012681	0.013523
Avg	17.6	17.6	26.8	76.7	75.9	14.8	15.9	0.013007	0.013069
Max	19.1	18.8	28.8	95.9	97.1	16.1	17.1	0.014326	0.014039
Hr. of Max	19	00	19	07	08	19	00	19	00
Min	16.4	15.9	24.9	46.0	45.1	13.7	14.1	0.011977	0.011753
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)

8/27/2014

Interval: 001h

	27_VaporPr_002m	28_VaporPr_015m	34_Precip_In	36_BarPres_In	37_BarPres_Mb	38_SolarRad_Wm2	39_SolarRad_Lang	40_WDir_015m	41_WDir_035m
Hour	KPa	KPa	INCHES	INHG	KPa	W/M2	Langleys	DEG	DEG
00:00	20.4	21.8	.00	29.18	988.1	-2.9	.00	30.0	65.5
01:00	20.3	21.7	.00	29.18	988.1	-2.0	.00	46.7	58.6
02:00	19.5	21.3	.00	29.17	987.9	-1.3	.00	348.3	114.1
03:00	19.0	20.9	.00	29.17	987.8	-1.6	.00	21.7	53.5
04:00	18.7	20.5	.00	29.17	987.8	-1.6	.00	54.7	63.3
05:00	19.2	20.4	.00	29.17	988.0	-2.2	.00	72.5	57.4
06:00	20.0	20.3	.00	29.19	988.4	-2.8	.00	69.0	52.1
07:00	20.0	20.1	.00	29.21	989.0	23.0	.03	61.1	48.2
08:00	20.5	20.7	.00	29.22	989.4	137.9	.20	52.0	32.7
09:00	20.9	20.0	.00	29.22	989.5	440.1	.63	64.6	49.8
10:00	21.2	19.9	.00	29.22	989.6	659.6	.95	100.0	79.2
11:00	21.4	20.4	.00	29.22	989.6	795.3	1.14	90.5	81.1
12:00	20.9	19.6	.00	29.21	989.1	950.1	1.36	127.9	117.4
13:00	20.4	19.6	.00	29.19	988.6	849.1	1.22	226.5	214.5
14:00	20.1	19.6	.00	29.18	988.1	828.4	1.19	196.6	166.6
15:00	19.7 D	19.0 D	.00	29.16	987.5	848.7	1.22	136.1	118.5
16:00	19.2	18.4	.00	29.14	987.0	680.8	.98	118.5	105.3
17:00	19.2	18.3	.00	29.13	986.6	409.1	.59	145.8	127.6
18:00	20.6	19.3	.00	29.12	986.3	219.4	.31	270.0	202.8
19:00	22.2	21.3	.00	29.11	985.9	69.5	.10	320.3	222.0
20:00	21.5	21.3	.00	29.13	986.4	-.6	.00	9.0	54.2
21:00	20.6	21.4	.00	29.14	986.9	-3.2	.00	.2	61.4
22:00	20.3	21.1	.00	29.15	987.1	-2.2	.00	320.1	56.3
23:00	19.7	21.0	.00	29.15	987.1	-1.6	.00	10.7	59.7
Avg	20.2	20.3	.00	29.17	987.9	287.0	.41	54.0	82.0
Max	22.2	21.8	.00	29.22	989.6	950.1	1.36	348.3	222.0
Hr. of Max	19	00	23	11	11	12	12	02	19
Min	18.7	18.3	.00	29.11	985.9	-3.2	.00	.2	32.7
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)

8/27/2014

Interval: 001h

	42_WDir_060m	46_SWDir_015m	47_SWDir_060m	50_Sigma_015m	51_Sigma_035m	52_Sigma_060m	55_RWSpd_015m	56_RWSpd_035m	57_RWSpd_060m
Hour	DEG	DEG	DEG	DEG	DEG	DEG	MPH	MPH	MPH
00:00	58.5	27.9	54.4	18.6	8.8	9.0	1.0	1.7	2.2
01:00	59.2	43.5	54.7	19.2	9.1	5.9	1.0	1.9	3.3
02:00	74.9	314.1	71.0	33.1	25.8	18.9	.2	.5	1.4
03:00	21.9	359.2	14.0	43.7	52.3	14.1	.3	.9	1.9
04:00	50.4	23.8	44.5	42.6	17.2	15.0	.5	1.4	2.1
05:00	64.8	68.8	59.9	18.8	9.6	4.7	1.6	3.3	4.5
06:00	65.8	64.4	60.7	17.2	11.3	7.3	1.7	3.1	4.0
07:00	67.8	54.2	62.9	25.0	15.8	11.0	1.6	2.9	3.5
08:00	53.7	43.0	47.9	34.0	17.8	13.8	1.3	2.6	3.1
09:00	57.5	62.0	52.9	46.9	32.8	30.5	1.3	1.8	2.0
10:00	77.8	107.5	69.0	53.1	41.5	44.2	1.1	1.2	1.4
11:00	93.9	80.8	88.6	58.8	56.6	50.9	1.0	1.1	1.1
12:00	124.6	130.1	121.3	40.9	40.9	34.7	2.5	2.5	2.6
13:00	225.8	218.6	222.8	74.3	61.5	59.5	.8	.6	.8
14:00	162.3	192.5	162.8	63.4	60.5	60.3	1.1	1.2	1.2
15:00	122.7	138.7	117.1	45.6	46.3	48.4	2.3	2.5	2.6
16:00	113.5	116.3	110.5	36.4	32.6	31.6	2.6	2.8	3.0
17:00	130.8	147.6	130.2	43.7	44.5	41.2	1.9	2.3	2.3
18:00	156.3	256.9	156.3	43.2	44.8	32.9	.8	1.1	1.2
19:00	195.2	312.0	190.6	9.6	43.6	24.7	.9	.3	.9
20:00	56.1	6.5	50.7	16.8	12.9	18.6	1.0	1.8	1.6
21:00	58.1	353.0	53.3	26.1	14.3	9.6	.6	1.7	2.1
22:00	49.5	311.0	44.7	30.0	48.8	11.9	.5	.2	.8
23:00	70.2	6.8	61.5	28.0	9.3	38.2	.8	1.0	.8
Avg	83.0	46.0	78.0	36.2	31.6	26.5	.0	.0	.0
Max	225.8	359.2	222.8	74.3	61.5	60.3	2.6	3.3	4.5
Hr. of Max	13	03	13	13	13	14	16	05	05
Min	21.9	6.5	14.0	9.6	8.8	4.7	.2	.2	.8
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)

8/27/2014

Interval: 001h

	58_WSpd_015m	59_WSpd_035m	60_WSpd_060m	66_HSSpd_015m	67_HSSpd_060m	70_WElev_015m	71_WElev_060m	72_VSSpd_015m	73_VSSpd_060m
Hour	MPH	MPH	MPH	MPH	MPH	DEG	DEG	MPH	MPH
00:00	1.0	1.7	2.3	1.2	2.5	.2	2.5	.00	.11
01:00	1.0	2.0	3.3	1.2	3.5	-.8	.8	-.02	.05
02:00	.8	.6	1.5	1.0	1.7	2.3	-.3	.04	-.01
03:00	.4	1.0	1.9	.7	2.1	1.8	3.1	.03	.13
04:00	.6	1.4	2.2	.9	2.4	1.7	2.8	.02	.12
05:00	1.7	3.3	4.5	1.8	4.7	-.1	-1.1	-.04	-.09
06:00	1.9	3.2	4.1	2.1	4.3	-1.1	-1.7	-.10	-.13
07:00	1.7	3.0	3.6	1.9	3.8	-2.3	-3.5	-.15	-.24
08:00	1.5	2.7	3.1	1.9	3.4	-2.6	-1.6	-.18	-.11
09:00	1.8	2.2	2.3	2.2	2.7	1.0	1.8	-.02	.01
10:00	1.9	2.3	2.2	2.6	2.8	-4.3	-8.9	-.24	-.45
11:00	2.2	2.2	2.3	2.7	3.0	-1.9	-5.2	-.06	-.26
12:00	2.9	3.0	3.2	3.6	3.8	-2.9	-8.6	-.07	-.41
13:00	2.1	2.0	2.1	2.7	2.8	5.1	15.6	.28	.94
14:00	2.7 >	2.8 >	2.7 >	3.3	3.4	4.4	2.7	.14	.22
15:00	3.2	3.4	3.6	3.9	4.3	2.1	7.3	.11	.60
16:00	3.4	3.6	3.6	3.9	4.1	1.7	6.1	.06	.45
17:00	2.5	2.8	2.7	3.1	3.3	6.6	14.7	.29	.86
18:00	1.4	1.5	1.4	1.8	1.9	7.6	2.6	.18	.28
19:00	.9	.5	1.0	1.2	1.2	3.6	1.1	.05	.03
20:00	1.1	1.9	1.6	1.3	1.9	1.2	.6	.02	.03
21:00	.7	1.8	2.3	1.0	2.5	2.1	-.3	.04	-.01
22:00	.6	.4	.9	.7	1.2	-.6	-.6	-.01	-.02
23:00	1.0	1.0	.9	1.1	1.1	.7	-.1	.01	.01
Avg	1.6	2.1	2.5	2.0	2.9	1.1	1.2	.02	.09
Max	3.4	3.6	4.5	3.9	4.7	7.6	15.6	.29	.94
Hr. of Max	16	16	05	16	05	18	13	17	13
Min	.4	.4	.9	.7	1.1	-4.3	-8.9	-.24	-.45
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/27/2014

Interval: 001h

	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	82_SPkWsH_015m	83_SPkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	88_WBulbC
Hour	MPH	MPH	MPH	MPH	MPH	DEG	DEG	DEGC
00:00	3.7	3.7	5.7	2.6	3.5	6.6	3.9	18.3
01:00	2.5	4.8	5.3	2.9	5.5	9.4	4.0	18.2
02:00	2.3	2.1	5.5	2.7	3.8	6.5	5.7	17.5
03:00	1.8	3.0	3.4	2.0	3.8	10.2	6.9	17.1
04:00	3.0	4.1	3.7	3.1	3.9	11.8	5.1	16.8
05:00	3.9	7.1	6.4	3.9	6.7	11.4	3.0	17.2
06:00	4.1	6.2	7.3	4.5	6.3	15.0	4.8	17.8
07:00	4.8	7.1	8.0	5.2	7.9	19.1	6.3	17.8
08:00	3.9	5.7	6.4	5.4	6.8	22.1	12.8	18.3
09:00	6.0	8.0	6.0	7.2	6.7	28.6	26.1	19.2
10:00	6.0	6.9	7.6	7.1	8.1	29.4	32.4	20.2
11:00	6.6	6.2	6.4	6.9	8.2	32.8	33.5	20.9
12:00	8.7	7.8	8.2	8.3	9.8	26.0	28.8	21.1
13:00	6.4	5.7	11.0	6.2	7.1	28.6	34.4	21.3
14:00	7.6	7.3	7.8	10.1	8.8	29.0	33.2	21.3
15:00	8.5	8.5	9.4	9.6	11.3	23.5	26.3	21.3 D
16:00	8.2	8.9	8.0	9.0	9.4	21.2	23.4	21.1
17:00	6.9	7.3	7.1	7.4	7.9	20.6	23.3	21.1
18:00	7.6	5.0	8.0	5.7	5.3	17.0	25.2	21.4
19:00	2.1	1.8	2.7	2.3	2.9	11.4	6.6	21.0
20:00	3.2	3.2	3.7	3.5	3.9	7.9	6.1	19.9
21:00	2.7	5.7	7.3	2.9	4.5	8.7	3.8	19.0
22:00	2.5	2.5	3.7	1.7	2.6	7.8	5.0	18.5
23:00	2.3	2.3	2.7	2.3	2.9	6.6	6.2	18.0
Avg	4.8	5.5	6.3	5.1	6.2	17.1	15.3	19.3
Max	8.7	8.9	11.0	10.1	11.3	32.8	34.4	21.4
Hr. of Max	12	16	13	14	15	11	13	18
Min	1.8	1.8	2.7	1.7	2.6	6.5	3.0	16.8
Count	24	24	24	24	24	24	24	24
Total								