Date Printed: 10/02/2014 09:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/1/2014

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	15.3	16.5	16.8	17.4	1.19	1.51	2.15	.32	.96
01:00	14.6	15.9	16.2	17.0	1.22	1.56	2.33	.34	1.12
02:00	13.9	15.2	15.6	16.1	1.34	1.75	2.26	.41	.93
03:00	13.3	14.8	15.0	15.5	1.47	1.66	2.18	.19	.71
04:00	13.4	14.1	14.2	14.4	.75	.81	1.08	.07	.33
05:00	13.3	13.3	13.5	13.8	.00	.20	.55	.19	.54
06:00	13.1	13.2	13.3	13.8	.14	.24	.71	.10	.58
07:00	13.0	13.2	13.3	13.7	.24	.31	.75	.07	.51
08:00	13.8	13.7	13.6	13.8	-.16	-.26	-.07	-.10	.09
09:00	16.2	15.5	15.2	15.4	-.75	-1.07	-.87	-.31	-.12
10:00	19.2	17.7	17.1	17.7	-1.49	-2.08	-1.53	-.58	-.03
11:00	22.1	21.1	20.4	20.5	-1.00	-1.69	-1.63	-.69	-.63
12:00	23.6	22.7	22.4	22.3	-.90	-1.20	-1.33	-.29	-.43
13:00	25.7	24.6	24.3	24.2	-1.15	-1.46	-1.55	-.31	-.40
14:00	26.8	25.6	25.3	25.2	-1.15	-1.45	-1.58	-.31	-.43
15:00	27.9	26.7	26.2	26.2	-1.23	-1.66	-1.73	-.42	-.50
16:00	27.8	26.9	26.6	26.4	-.89	-1.19	-1.34	-.30	-.45
17:00	27.2	26.9	26.6	26.6	-.34	-.58	-.68	-.24	-.33
18:00	22.9	24.8	25.6	25.9	1.91	2.71	3.03	.80	1.12
19:00	19.3	21.8	22.8	23.5	2.47	3.51	4.22	1.04	1.74
20:00	17.2	19.6	20.1	21.3	2.39	2.85	4.12	.46	1.73
21:00	16.0	18.0	18.4	20.2	1.96	2.38	4.17	.43	2.21
22:00	15.1	16.9	17.2	18.9	1.81	2.18	3.87	.37	2.06
23:00	14.4	15.9	16.3	17.7	1.50	1.96	3.32	.46	1.83
Avg	18.5	18.9	19.0	19.5	.39	.46	.93	.07	.55
Max	27.9	26.9	26.6	26.6	2.47	3.51	4.22	1.04	2.21
Hr. of Max	15	17	17	17	19	19	19	19	21
Min	13.0	13.2	13.3	13.7	-1.49	-2.08	-1.73	-.69	-.63
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)

10/1/2014

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	13.9	15.2	14.4	23.1	93.2	94.0	12.0	13.0	0.01025
01:00	13.4	14.6	13.8	22.8	93.9	93.9	11.6	12.5	0.009921
02:00	12.7	14.1	13.1	22.6	94.0	94.8	11.1	12.1	0.009445
03:00	12.1	13.7	12.5	22.3	93.8	94.9	10.7	11.9	0.009092
04:00	12.3	13.2	12.6	22.1	94.6	96.0	10.8	11.5	0.009187
05:00	12.4	12.5	12.7	21.8	95.8	96.4	10.9	11.0	0.00926
06:00	12.2	12.4	12.5	21.7	95.9	96.6	10.8	10.9	0.009127
07:00	12.1	12.5	12.4	21.5	95.6	96.6	10.7	11.0	0.009048
08:00	13.0	12.9	13.3	21.3	95.8	96.7	11.3	11.3	0.00959
09:00	13.8	13.5	14.6	21.2	86.9	89.4	11.8	11.6	0.01014
10:00	14.5	13.6	16.1	21.2	75.8	78.1	12.3	11.6	0.010645
11:00	14.6	14.2	17.1	21.4	64.0	66.1	12.3	12.0	0.010752
12:00	14.6	14.4	17.6	21.8	58.3	60.7	12.3	12.1	0.010774
13:00	14.1	13.8	18.0	22.3	49.9	52.3	11.8	11.6	0.010437
14:00	12.7	12.8	17.4	22.9	43.0	46.1	10.8	10.8	0.009565
15:00	9.9	10.0	15.9	23.4	33.3	36.0	8.9	9.0	0.007938
16:00	8.5	8.4	14.9	23.8	30.7	32.1	8.2	8.1	0.007245
17:00	10.1	9.3	15.8	24.0	35.2	34.1	9.1	8.6	0.008055
18:00	12.4	10.7	15.9	24.2	53.1	42.3	10.6	9.5	0.009329
19:00	12.8	11.7	15.0	24.2	67.3	53.9	11.0	10.2	0.009523
20:00	12.4	12.3	14.0	24.1	74.4	63.7	10.8	10.6	0.009247
21:00	12.4	12.6	13.6	23.8	80.5	72.1	10.8	10.9	0.009265
22:00	12.3	12.7	13.2	23.5	84.8	77.9	10.8	11.0	0.009176
23:00	12.2	13.0	12.9	23.2	87.9	84.5	10.7	11.3	0.009087
Avg	12.6	12.7	14.6	22.7	74.1	72.9	10.9	11.0	0.009421
Max	14.6	15.2	18.0	24.2	95.9	96.7	12.3	13.0	0.010774
Hr. of Max	12	00	13	19	06	08	12	00	12
Min	8.5	8.4	12.4	21.2	30.7	32.1	8.2	8.1	0.007245
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/1/2014

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	0.011163	15.9	17.3	.00	29.04	983.3	-2.1	.00	31.4
01:00	0.010735	15.4	16.7	.00	29.03	983.3	-2.0	.00	51.1
02:00	0.010376	14.7	16.1	.00	29.04	983.5	-2.8	.00	49.4
03:00	0.01013	14.2	15.8	.00	29.04	983.3	-1.9	.00	62.9
04:00	0.009787	14.3	15.2	.00	29.04	983.4	-2.5	.00	237.0
05:00	0.009319	14.4	14.5	.00	29.06	984.0	-2.5	.00	235.8
06:00	0.009275	14.2	14.5	.00	29.07	984.6	-2.9	.00	24.6
07:00	0.009285	14.1	14.5	.00	29.09	985.1	6.7	.01	44.5
08:00	0.009573	15.0	14.9	.00	29.10	985.5	105.3	.15	42.6
09:00	0.009928	15.8	15.5	.00	29.12	986.2	353.2	.51	92.5
10:00	0.009987	16.6	15.6	.00	29.13	986.5	519.3	.74	106.1
11:00	0.010453	16.8	16.3	.00	29.13	986.4	636.1	.91	139.2
12:00	0.01062	16.8	16.6	.00	29.12	986.0	572.6	.82	107.4
13:00	0.010219	16.3	15.9	.00	29.10	985.6	657.7	.94	151.3
14:00	0.009583	14.9	14.9	.00	29.09	985.0	743.4	1.07	259.1
15:00	0.007967	12.4	12.5	.00	29.08	984.8	702.5	1.01	237.2
16:00	0.007198	11.3	11.3	.00	29.07	984.5	473.5	.68	299.3
17:00	0.007653	12.6	12.0	.00	29.06	984.2	307.1	.44	50.1
18:00	0.008343	14.5	13.0	.00	29.07	984.3	91.6	.13	351.5
19:00	0.008892	14.8	13.9	.00	29.07	984.5	2.9	.00	358.2
20:00	0.009198	14.4	14.4	.00	29.09	985.0	-2.8	.00	16.4
21:00	0.009388	14.5	14.7	.00	29.11	985.7	-1.7	.00	14.9
22:00	0.009462	14.3	14.8	.00	29.12	986.1	-1.7	.00	11.6
23:00	0.009612	14.2	15.0	.00	29.12	986.2	-1.3	.00	357.8
Avg	0.009506	14.7	14.8	.00	29.08	984.9	214.5	.31	35.0
Max	0.011163	16.8	17.3	.00	29.13	986.5	743.4	1.07	358.2
Hr. of Max	00	12	00	23	11	10	14	14	19
Min	0.007198	11.3	11.3	.00	29.03	983.3	-2.9	.00	11.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/1/2014

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	54.4	43.1	35.9	37.3	17.5	11.3	7.0	.6	1.3
01:00	67.5	53.8	59.7	48.8	44.8	14.6	16.1	.3	1.5
02:00	62.3	60.1	48.9	55.5	48.2	21.9	8.0	.4	1.5
03:00	69.1	58.8	66.6	54.2	20.2	9.9	6.2	.6	1.8
04:00	46.8	85.4	257.6	80.4	43.0	52.0	21.9	.4	.2
05:00	251.0	133.1	250.6	140.5	22.6	38.9	42.6	1.0	.4
06:00	46.4	66.7	6.4	50.6	34.6	28.8	25.2	.8	1.3
07:00	60.5	76.7	48.8	71.9	13.1	8.2	6.5	1.8	2.9
08:00	48.0	63.6	42.4	58.8	23.4	11.8	7.5	1.6	2.8
09:00	93.0	83.5	100.1	79.4	31.4	34.0	25.0	1.6	1.6
10:00	99.1	86.4	119.0	82.1	32.8	33.4	33.3	2.2	2.1
11:00	126.7	119.9	140.9	116.2	55.6	58.3	60.1	1.0	1.0
12:00	114.6	125.8	113.2	122.5	60.7	54.5	52.6	.8	.9
13:00	160.1	170.3	159.5	159.3	58.3	60.4	67.9	1.3	1.0
14:00	259.9	229.3	267.8	227.7	56.2	50.0	49.8	.5	.7
15:00	236.2	238.6	246.4	240.3	56.5	46.0	45.0	1.9	2.3
16:00	315.6	312.9	306.6	309.3	55.4	37.5	29.9	1.6	2.1
17:00	56.2	58.1	58.5	53.1	36.8	22.4	20.4	1.5	2.4
18:00	58.3	75.3	355.4	70.5	16.6	16.0	11.4	1.0	1.9
19:00	55.4	56.0	8.1	52.1	25.1	9.6	6.1	.6	1.7
20:00	63.9	62.7	28.1	58.4	38.6	9.2	8.2	.8	1.7
21:00	75.8	45.1	25.5	39.8	23.2	18.1	9.5	.5	1.6
22:00	75.6	49.0	24.0	43.6	26.7	8.4	15.9	.3	1.0
23:00	66.2	50.4	12.6	45.3	51.2	14.4	11.7	.3	1.0
Avg	70.0	74.0	38.0	68.0	37.2	27.9	24.5	.0	.0
Max	315.6	312.9	355.4	309.3	60.7	60.4	67.9	2.2	2.9
Hr. of Max	16	16	18	16	12	13	13	10	07
Min	46.4	43.1	6.4	37.3	13.1	8.2	6.1	.3	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/1/2014

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	2.4	.7	1.3	2.4	1.1	2.8	2.8	1.7	.05
01:00	1.7	.4	1.7	1.8	.8	2.2	2.3	1.7	.04
02:00	2.6	.6	1.6	2.6	1.1	2.9	4.4	1.1	.10
03:00	3.3	.7	1.9	3.3	1.1	3.6	5.5	.6	.09
04:00	1.5	.6	.4	1.5	1.2	1.9	2.1	.2	.04
05:00	.0	1.1	.5	.1	1.6	.6	.1	-1.3	-.01
06:00	1.6	1.2	1.6	1.6	1.6	2.1	-2.6	-.2	-.12
07:00	3.5	1.8	2.9	3.5	2.1	3.9	-4.6	.4	-.23
08:00	3.3	1.7	2.9	3.4	2.1	3.7	-2.9	-2.8	-.21
09:00	1.5	1.7	1.8	1.6	2.3	2.1	1.1	3.7	.04
10:00	2.0	2.4	2.3	2.2	3.0	2.8	-.5	-6.2	.01
11:00	.8	1.5	1.4	1.4	2.2	2.2	5.4	5.0	.22
12:00	.9	1.7	1.5	1.5	2.4	2.3	-2.3	-17.1	-.04
13:00	.5	2.0	1.8	1.5	2.7	2.3	1.7	11.1	.13
14:00	1.0	3.2	3.2	3.2	3.8	4.0	1.1	-.7	.04
15:00	2.3	3.0	3.4	3.4	3.7	4.1	.9	-3.3	.06
16:00	2.3	2.5	2.8	2.9	3.0	3.5	-2.4	-8.3	-.28
17:00	2.8	2.0	3.1	3.4	2.6	3.9	.4	4.0	-.08
18:00	2.7	1.1	2.0	2.8	1.4	3.1	1.8	1.3	.05
19:00	2.0	.7	1.8	2.0	1.0	2.4	1.3	-.3	.02
20:00	2.6	.9	1.7	2.7	1.1	3.0	1.5	-.5	.02
21:00	3.3	.6	1.6	3.4	.9	3.8	2.6	1.2	.04
22:00	2.1	.4	1.1	2.3	.7	2.6	2.5	.3	.04
23:00	2.1	.4	1.1	2.2	.7	2.5	1.7	.7	.03
Avg	.0	1.4	1.9	2.4	1.8	2.8	1.0	-.3	.00
Max	3.5	3.2	3.4	3.5	3.8	4.1	5.5	11.1	.22
Hr. of Max	07	14	15	07	14	15	03	13	11
Min	.0	.4	.4	.1	.7	.6	-4.6	-17.1	-.28
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/1/2014

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	.08	2.1	2.3	6.4	2.2	4.0	8.3	4.3
01:00	.07	2.7	3.4	5.0	2.6	3.9	9.1	4.7
02:00	.08	2.1	3.4	4.1	2.7	4.5	8.3	3.6
03:00	.05	2.5	3.2	6.0	2.6	5.4	9.9	2.9
04:00	.02	3.0	2.3	3.2	3.4	3.8	9.2	7.5
05:00	-.01	3.9	1.6	1.1	3.1	1.7	9.0	9.8
06:00	.01	3.2	3.9	4.4	3.9	4.8	10.0	6.0
07:00	.02	3.9	4.8	5.0	4.4	5.4	10.0	3.7
08:00	-.19	5.5	7.6	6.9	4.8	5.7	20.8	5.4
09:00	.17	5.0	4.8	4.8	5.4	5.5	23.3	23.0
10:00	-.19	8.0	7.6	5.7	6.5	6.9	22.4	27.0
11:00	.24	6.0	4.8	5.3	6.1	6.0	32.5	39.9
12:00	-.81	8.2	6.4	5.7	6.3	6.8	30.9	36.0
13:00	.53	5.7	4.8	5.3	6.5	6.3	27.1	36.2
14:00	-.14	8.7	11.2	11.2	10.0	12.7	25.1	31.8
15:00	-.25	9.4	10.5	11.7	10.7	11.6	26.8	29.7
16:00	-.75	6.9	8.2	9.6	7.8	8.8	25.8	28.5
17:00	.25	5.5	7.3	7.1	6.5	8.1	24.1	19.4
18:00	.08	6.0	8.9	6.4	4.5	6.9	10.5	11.9
19:00	-.01	2.7	3.7	3.9	2.5	3.3	8.1	2.9
20:00	-.01	2.3	5.0	5.3	2.6	4.6	8.9	3.3
21:00	.09	2.1	3.7	5.0	2.5	5.4	10.2	3.4
22:00	.02	2.1	3.0	4.6	2.1	3.5	7.6	2.8
23:00	.03	1.6	2.3	5.3	2.1	3.8	7.5	3.8
Avg	-.03	4.5	5.2	5.8	4.7	5.8	16.1	14.5
Max	.53	9.4	11.2	11.7	10.7	12.7	32.5	39.9
Hr. of Max	13	15	14	15	15	14	11	11
Min	-.81	1.6	1.6	1.1	2.1	1.7	7.5	2.8
Count	24	24	24	24	24	24	24	24
Total								