Date Printed: 09/20/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/19/2014

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	15.1	16.7	17.0	17.5	1.61	1.90	2.42	.30	.82
01:00	15.0	16.2	16.4	17.0	1.22	1.45	2.04	.23	.82
02:00	14.6	15.9	16.2	16.8	1.34	1.59	2.19	.24	.85
03:00	13.9	15.4	15.7	16.0	1.53	1.84	2.17	.31	.64
04:00	14.0	15.1	15.3	15.8	1.12	1.31	1.79	.19	.67
05:00	13.8	15.0	15.3	15.8	1.24	1.49	1.98	.25	.73
06:00	13.8	14.8	15.0	15.4	.93	1.12	1.55	.19	.62
07:00	13.5	14.6	14.8	15.1	1.11	1.21	1.52	.11	.41
08:00	15.6	15.9	15.8	15.9	.24	.21	.24	-.03	.00
09:00	18.6	18.2	17.9	17.7	-.43	-.71	-.86	-.28	-.43
10:00	20.1	19.4	19.1	18.9	-.74	-1.06	-1.27	-.33	-.53
11:00	22.5	21.5	21.1	21.0	-1.05	-1.38	-1.51	-.33	-.46
12:00	24.6	23.4	23.1	23.0	-1.15	-1.49	-1.63	-.34	-.48
13:00	25.9	24.9	24.5	24.4	-1.07	-1.44	-1.54	-.37	-.48
14:00	27.1	26.1	25.8	25.7	-1.05	-1.35	-1.41	-.30	-.35
15:00	28.1	27.0	26.7	26.5	-1.14	-1.48	-1.59	-.34	-.45
16:00	28.5	27.5	27.1	27.0	-.98	-1.32	-1.41	-.34	-.43
17:00	28.1	27.5	27.1	27.0	-.67	-.99	-1.10	-.32	-.43
18:00	26.1	26.2	26.6	26.7	.10	.54	.60	.44	.50
19:00	22.9	23.9	24.9	25.4	1.00	1.98	2.49	.98	1.49
20:00	21.4	22.6	23.5	24.0	1.19	2.14	2.60	.95	1.41
21:00	20.8	21.8	22.4	23.1	1.01	1.63	2.35	.62	1.34
22:00	21.1	22.5	22.7	22.8	1.40	1.59	1.76	.19	.36
23:00	21.0	21.9	22.2	22.3	.98	1.22	1.38	.24	.40
Avg	20.3	20.6	20.7	20.9	.32	.42	.62	.09	.29
Max	28.5	27.5	27.1	27.0	1.61	2.14	2.60	.98	1.49
Hr. of Max	16	17	17	17	00	20	20	19	19
Min	13.5	14.6	14.8	15.1	-1.15	-1.49	-1.63	-.37	-.53
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/19/2014

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	13.4	14.4	14.0	23.5	91.3	87.7	11.6	12.3	0.009893
01:00	13.6	14.1	14.0	23.2	92.9	88.9	11.7	12.1	0.009991
02:00	13.2	13.7	13.7	23.0	93.0	87.9	11.5	11.8	0.009759
03:00	12.6	13.4	13.0	22.7	93.5	89.1	11.0	11.5	0.009356
04:00	12.8	13.2	13.2	22.5	94.2	89.8	11.2	11.4	0.009493
05:00	12.6	12.9	13.0	22.2	94.0	88.5	11.0	11.2	0.009345
06:00	12.6	12.7	13.0	22.0	93.7	88.7	11.0	11.1	0.009357
07:00	12.3	12.5	12.7	21.8	93.7	88.5	10.8	11.0	0.009167
08:00	13.1	12.5	13.9	21.5	86.5	81.9	11.3	10.9	0.009657
09:00	13.4	12.7	15.1	21.4	73.2	71.9	11.5	11.0	0.009884
10:00	13.5	13.0	15.7	21.4	66.8	67.5	11.5	11.1	0.009931
11:00	13.9	13.5	16.8	21.7	59.4	61.6	11.7	11.4	0.010216
12:00	13.9	13.5	17.5	22.2	52.7	54.9	11.7	11.4	0.010288
13:00	14.4	14.2	18.2	22.9	50.1	52.7	12.0	11.9	0.010598
14:00	14.4	14.4	18.7	23.7	46.9	49.6	12.0	12.0	0.010655
15:00	14.3	14.2	18.9	24.4	44.0	46.6	11.9	11.8	0.010591
16:00	14.2	14.0	19.0	24.9	43.0	44.8	11.8	11.7	0.010553
17:00	14.9	14.9	19.3	25.2	45.8	47.4	12.4	12.3	0.011036
18:00	16.7	16.3	19.8	25.4	58.1	56.0	13.9	13.5	0.012348
19:00	17.6	17.4	19.4	25.5	73.9	68.7	14.8	14.6	0.013002
20:00	17.8	18.0	19.0	25.4	81.6	76.9	15.0	15.1	0.013131
21:00	17.8	18.2	18.8	25.2	85.2	81.9	15.1	15.4	0.013175
22:00	17.3	16.9	18.6	25.0	81.0	72.3	14.6	14.2	0.012753
23:00	16.4	16.2	17.9	24.7	77.1	71.2	13.8	13.5	0.012027
Avg	14.4	14.5	16.4	23.4	73.8	71.5	12.3	12.3	0.010675
Max	17.8	18.2	19.8	25.5	94.2	89.8	15.1	15.4	0.013175
Hr. of Max	21	21	18	19	04	04	21	21	21
Min	12.3	12.5	12.7	21.4	43.0	44.8	10.8	10.9	0.009167
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/19/2014

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	0.010533	15.5	16.4	.00	29.14	986.8	-2.7	.00	61.6
01:00	0.010342	15.6	16.1	.00	29.14	986.7	-2.5	.00	73.1
02:00	0.010051	15.2	15.7	.00	29.14	986.9	-2.4	.00	54.6
03:00	0.009844	14.6	15.4	.00	29.14	987.0	-2.3	.00	52.8
04:00	0.009726	14.8	15.2	.00	29.14	986.8	-2.2	.00	61.1
05:00	0.00954	14.6	14.9	.00	29.14	987.0	-2.5	.00	38.0
06:00	0.009415	14.6	14.7	.00	29.15	987.3	-2.8	.00	37.5
07:00	0.009303	14.3	14.6	.00	29.17	988.0	20.2	.03	51.0
08:00	0.009292	15.1	14.5	.00	29.19	988.5	196.9	.28	72.0
09:00	0.009448	15.5	14.8	.00	29.19	988.5	403.4	.58	73.8
10:00	0.009589	15.5	15.0	.00	29.19	988.6	594.9	.85	75.8
11:00	0.009937	16.0	15.5	.00	29.20	988.8	743.4	1.07	102.6
12:00	0.009988	16.1	15.6	.00	29.19	988.6	832.7	1.19	150.7
13:00	0.01045	16.6	16.3	.00	29.18	988.1	860.6	1.23	90.0
14:00	0.010595	16.6	16.5	.00	29.16	987.6	749.3	1.07	180.5
15:00	0.010507	16.5	16.4	.00	29.15	987.1	785.8	1.13	232.3
16:00	0.010381	16.5	16.2	.00	29.13	986.7	609.0	.87	245.7
17:00	0.010977	17.2	17.1	.00	29.13	986.6	303.1	.43	299.8
18:00	0.012013	19.2	18.7	.00	29.14	986.9	143.6	.21	324.7
19:00	0.012841	20.2	20.0	.00	29.15	987.2	19.1	.03	289.8
20:00	0.013298	20.4	20.7	.00	29.17	987.7	-3.0	.00	332.1
21:00	0.013474	20.5	21.0	.00	29.18	988.2	-3.2	.00	320.5
22:00	0.01241	19.9	19.3	.00	29.20	988.8	-2.3	.00	232.6
23:00	0.011823	18.8	18.5	.00	29.21	989.2	-1.5	.00	234.7
Avg	0.010657	16.7	16.6	.00	29.16	987.7	259.8	.37	47.0
Max	0.013474	20.5	21.0	.00	29.21	989.2	860.6	1.23	332.1
Hr. of Max	21	21	21	23	23	23	13	13	20
Min	0.009292	14.3	14.5	.00	29.13	986.6	-3.2	.00	37.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/19/2014

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	51.9	60.9	71.2	55.9	13.6	4.7	3.5	1.2	2.9
01:00	62.9	63.1	82.3	58.2	11.3	6.4	4.0	1.3	2.7
02:00	58.0	67.4	63.9	62.6	14.1	8.3	4.8	1.1	2.2
03:00	53.7	56.6	67.4	52.1	11.8	6.5	3.8	.9	2.3
04:00	59.0	62.2	69.1	57.3	13.5	6.6	4.0	1.5	3.5
05:00	49.2	64.8	43.3	60.1	30.0	10.8	4.7	2.1	4.2
06:00	56.2	68.0	43.4	63.4	12.7	8.2	5.8	1.9	3.7
07:00	53.7	63.8	60.4	59.2	21.4	10.8	5.9	1.4	3.2
08:00	61.8	63.4	82.4	59.0	25.8	16.5	9.9	1.8	3.4
09:00	69.2	67.3	81.2	63.2	28.8	23.9	16.7	3.2	4.7
10:00	66.1	63.2	86.2	59.2	34.3	29.4	26.2	3.3	4.0
11:00	95.2	84.9	113.1	80.0	35.5	28.1	26.4	3.2	3.5
12:00	151.7	143.6	164.3	141.0	62.2	58.7	62.1	1.3	1.4
13:00	96.5	97.3	99.2	92.8	36.8	31.0	25.1	2.1	2.1
14:00	194.2	201.1	192.5	197.3	57.1	51.2	52.1	1.8	2.0
15:00	213.4	217.8	255.7	220.2	56.6	55.0	51.5	1.0	.9
16:00	262.1	268.5	252.0	266.6	54.0	53.6	55.5	1.4	1.8
17:00	311.0	310.0	307.3	306.4	31.5	22.9	22.3	1.8	2.4
18:00	342.5	333.0	329.2	328.8	16.8	16.8	13.5	1.2	2.4
19:00	221.8	219.1	296.1	220.2	39.5	45.1	24.6	1.0	1.8
20:00	63.1	122.1	336.1	118.7	49.9	40.5	25.3	.7	.7
21:00	70.5	127.3	323.1	125.6	46.8	36.8	25.6	.5	.6
22:00	214.6	197.6	244.0	197.7	24.0	15.9	12.6	3.2	5.2
23:00	219.6	204.3	245.7	205.2	16.5	13.3	10.8	3.0	5.4
Avg	72.0	89.0	53.0	84.0	31.0	25.0	20.7	.0	.0
Max	342.5	333.0	336.1	328.8	62.2	58.7	62.1	3.3	5.4
Hr. of Max	18	18	20	18	12	12	12	10	23
Min	49.2	56.6	43.3	52.1	11.3	4.7	3.5	.5	.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/19/2014

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	4.2	1.2	3.0	4.2	1.6	4.6	3.1	-2.6	.09
01:00	5.6	1.4	2.7	5.7	1.8	6.0	2.9	-2.3	.08
02:00	5.0	1.1	2.3	5.0	1.5	5.3	3.0	-2.2	.07
03:00	3.7	1.0	2.3	3.7	1.3	4.1	2.4	-.6	.05
04:00	5.9	1.6	3.5	5.9	2.0	6.3	-.2	-2.1	-.02
05:00	6.4	2.2	4.2	6.4	2.5	6.8	-3.2	-1.4	-.21
06:00	6.1	2.0	3.8	6.1	2.2	6.4	-3.7	-2.1	-.19
07:00	5.2	1.4	3.2	5.2	1.8	5.6	-1.5	-.8	-.13
08:00	5.1	2.0	3.6	5.2	2.6	5.6	3.6	1.5	.16
09:00	6.3	3.6	5.0	6.5	4.4	7.0	3.2	5.7	.09
10:00	4.5	3.7	4.5	5.0	4.3	5.6	-.4	3.4	-.14
11:00	3.7	3.6	3.8	4.0	4.3	4.6	1.3	-5.5	-.01
12:00	1.5	2.4	2.1	2.1	3.1	3.0	1.7	-5.9	.16
13:00	2.1	2.8	2.9	3.1	3.6	3.9	-2.8	-2.3	-.08
14:00	1.9	3.0	3.0	2.9	3.7	3.6	-2.9	-2.2	-.12
15:00	1.1	2.6	3.0	3.0	3.4	3.8	-7.0	-4.5	-.44
16:00	2.2	3.0	3.5	3.5	3.6	4.0	-2.6	1.3	-.26
17:00	2.6	2.4	3.1	3.3	2.9	3.7	.7	.8	-.12
18:00	1.9	1.3	2.5	2.1	1.7	2.4	-.7	-2.5	-.11
19:00	2.5	1.4	2.0	2.7	1.8	3.1	3.1	2.4	.04
20:00	.7	1.0	.8	1.0	1.4	1.5	2.1	-.2	.07
21:00	1.4	.6	.9	1.7	1.0	2.2	1.9	-.7	.05
22:00	6.6	3.5	5.4	6.8	4.0	7.2	-3.2	-2.7	-.27
23:00	7.2	3.1	5.6	7.4	3.7	7.8	-3.6	-2.0	-.29
Avg	.0	2.2	3.2	4.3	2.7	4.8	-.1	-1.1	-.06
Max	7.2	3.7	5.6	7.4	4.4	7.8	3.6	5.7	.16
Hr. of Max	23	10	23	23	09	23	08	09	12
Min	.7	.6	.8	1.0	1.0	1.5	-7.0	-5.9	-.44
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/19/2014

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	-.21	2.7	6.6	8.0	3.3	6.2	7.6	2.5
01:00	-.25	2.5	4.8	8.2	2.7	8.4	6.4	3.3
02:00	-.22	2.5	5.3	11.0	3.1	8.7	6.5	3.7
03:00	-.05	3.4	5.3	7.8	2.6	5.4	7.1	2.9
04:00	-.23	3.2	6.9	8.9	4.3	9.0	8.5	2.6
05:00	-.17	4.8	8.9	11.0	5.3	9.6	10.8	2.5
06:00	-.27	4.4	9.8	14.9	4.8	10.7	9.8	4.7
07:00	-.08	5.3	6.9	13.1	4.9	7.9	12.4	4.3
08:00	.09	8.2	7.8	11.2	8.9	10.8	18.4	9.7
09:00	.52	10.3	12.6	12.8	12.8	13.6	22.8	15.5
10:00	.15	13.3	22.2	24.0	15.8	12.8	23.4	22.6
11:00	-.33	9.8	13.5	14.4	9.3	10.4	23.6	22.7
12:00	-.28	7.3	7.8	6.6	8.4	7.5	27.1	37.5
13:00	-.08	12.4	10.5	10.8	9.2	8.6	25.5	30.6
14:00	-.21	8.9	8.7	11.0	9.4	13.2	23.2	29.4
15:00	-.29	8.9	10.5	9.8	9.1	10.5	27.5	31.9
16:00	-.06	6.6	8.7	7.8	7.9	8.2	21.3	23.2
17:00	-.04	6.2	8.2	10.1	8.0	7.9	25.2	20.2
18:00	-.13	5.5	6.9	8.2	5.8	6.0	13.7	9.1
19:00	.07	7.3	7.6	7.3	7.8	8.1	10.1	6.6
20:00	.00	3.0	2.7	3.4	3.2	4.0	8.7	9.4
21:00	-.02	3.7	5.3	7.3	3.9	8.1	9.8	10.7
22:00	-.40	6.6	9.4	11.9	8.3	13.1	13.1	8.7
23:00	-.32	7.8	10.3	14.4	9.3	14.9	10.0	6.8
Avg	-.12	6.4	8.6	10.6	7.0	9.3	15.5	13.4
Max	.52	13.3	22.2	24.0	15.8	14.9	27.5	37.5
Hr. of Max	09	10	10	10	10	23	15	12
Min	-.40	2.5	2.7	3.4	2.6	4.0	6.4	2.5
Count	24	24	24	24	24	24	24	24
Total								