Date Printed: 03/15/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/14/2015

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	9.3	9.4	9.4	9.5	.09	.05	.12	-.04	.03
01:00	9.2	9.4	9.3	9.4	.20	.18	.28	-.02	.08
02:00	9.1	9.2	9.2	9.2	.15	.07	.12	-.08	-.03
03:00	9.0	9.2	9.2	9.2	.19	.13	.17	-.06	-.01
04:00	8.4	9.0	9.1	9.2	.56	.65	.76	.09	.19
05:00	7.8	8.6	8.7	8.9	.80	.97	1.13	.17	.32
06:00	7.9	8.4	8.6	8.8	.47	.68	.89	.21	.41
07:00	8.4	8.6	8.6	8.7	.14	.21	.32	.07	.18
08:00	8.9	8.9	8.9	9.0	.01	-.01	.09	-.01	.08
09:00	9.5	9.5	9.4	9.4	-.07	-.13	-.11	-.07	-.05
10:00	10.2	10.1	9.9	10.0	-.14	-.27	-.22	-.13	-.08
11:00	11.1	11.0	10.8	10.8	-.15	-.34	-.34	-.20	-.19
12:00	12.1	12.0	11.8	11.8	-.15	-.35	-.37	-.20	-.22
13:00	12.8	12.7	12.5	12.4	-.11	-.30	-.33	-.18	-.21
14:00	13.2	13.1	13.0	12.9	-.11	-.29	-.33	-.18	-.22
15:00	13.3	13.1	12.9	12.9	-.20	-.39	-.47	-.19	-.27
16:00	14.0	13.7	13.5	13.5	-.25	-.47	-.53	-.22	-.28
17:00	14.0	13.9	13.8	13.7	-.08	-.24	-.30	-.16	-.22
18:00	13.8	13.8	13.6	13.6	-.06	-.20	-.24	-.14	-.18
19:00	13.6	13.6	13.5	13.6	.03	-.06	-.03	-.09	-.06
20:00	13.5	13.7	13.6	13.6	.21	.12	.15	-.10	-.07
21:00	13.3	13.7	13.8	13.9	.36	.41	.57	.05	.21
22:00	13.6	14.1	14.1	14.2	.55	.57	.64	.02	.10
23:00	12.5	13.6	13.8	13.9	1.07	1.28	1.45	.21	.38
Avg	11.2	11.3	11.3	11.3	.15	.09	.14	-.05	.00
Max	14.0	14.1	14.1	14.2	1.07	1.28	1.45	.21	.41
Hr. of Max	17	22	22	22	23	23	23	23	06
Min	7.8	8.4	8.6	8.7	-.25	-.47	-.53	-.22	-.28
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/14/2015

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	8.5	8.5	8.8	11.8	95.8	94.8	8.6	8.5	0.007084
01:00	8.4	8.5	8.7	11.7	96.2	95.3	8.5	8.5	0.007025
02:00	8.5	8.4	8.7	11.6	96.9	95.8	8.5	8.5	0.00705
03:00	8.4	8.4	8.6	11.5	96.6	95.4	8.4	8.5	0.007003
04:00	7.8	8.1	8.0	11.3	96.8	95.4	8.1	8.3	0.006743
05:00	7.2	8.0	7.4	11.2	97.2	97.2	7.9	8.3	0.00648
06:00	7.4	7.9	7.6	11.1	97.5	97.5	7.9	8.2	0.00657
07:00	7.9	8.0	8.1	11.0	97.8	97.6	8.2	8.3	0.006808
08:00	8.4	8.4	8.5	10.9	97.8	97.7	8.5	8.5	0.007023
09:00	9.0	8.9	9.2	10.8	97.6	97.8	8.8	8.8	0.007321
10:00	9.6	9.5	9.8	10.8	97.4	97.8	9.2	9.1	0.007645
11:00	10.5	10.4	10.7	10.8	97.0	97.8	9.7	9.7	0.008095
12:00	11.3	11.2	11.5	10.9	95.8	96.6	10.2	10.2	0.008552
13:00	11.8	11.8	12.1	11.0	95.2	95.8	10.5	10.5	0.008869
14:00	12.2	12.1	12.5	11.1	94.5	95.1	10.7	10.7	0.009087
15:00	12.3	12.2	12.6	11.2	94.7	95.7	10.8	10.8	0.009164
16:00	12.8	12.7	13.2	11.4	94.1	94.9	11.2	11.1	0.009509
17:00	12.8	12.9	13.2	11.6	94.1	94.8	11.2	11.2	0.009511
18:00	12.9	13.0	13.2	11.8	95.5	96.7	11.2	11.3	0.009537
19:00	12.7	12.9	13.0	11.9	96.0	97.1	11.1	11.3	0.009432
20:00	12.8	13.1	13.0	11.9	97.0	97.8	11.2	11.4	0.009449
21:00	12.6	13.0	12.9	11.9	96.9	97.0	11.1	11.3	0.00936
22:00	12.4	12.7	12.8	11.9	94.4	92.4	10.9	11.1	0.009242
23:00	11.8	12.4	12.0	11.9	96.7	93.8	10.5	10.9	0.008835
Avg	10.4	10.5	10.7	11.4	96.2	96.2	9.7	9.8	0.008141
Max	12.9	13.1	13.2	11.9	97.8	97.8	11.2	11.4	0.009537
Hr. of Max	18	20	18	23	08	20	20	20	18
Min	7.2	7.9	7.4	10.8	94.1	92.4	7.9	8.2	0.00648
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/14/2015

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	0.007044	11.1	11.1	.00	29.24	990.2	-2.0	.00	52.9
01:00	0.007049	11.1	11.1	.00	29.22	989.6	-2.0	.00	41.1
02:00	0.007043	11.1	11.1	.00	29.21	989.0	-2.2	.00	43.0
03:00	0.007009	11.0	11.0	.00	29.18	988.3	-2.8	.00	43.9
04:00	0.006904	10.6	10.8	.00	29.16	987.4	-2.2	.00	8.6
05:00	0.006844	10.2	10.7	.00	29.15	987.1	-2.1	.00	346.3
06:00	0.006784	10.3	10.6	.01	29.14	986.7	-2.5	.00	282.7
07:00	0.006863	10.7	10.8	.00	29.13	986.5	-1.8	.00	228.7
08:00	0.007017	11.0	11.0	.00	29.13	986.6	14.9	.02	237.3
09:00	0.007303	11.5	11.5	.01	29.15	987.1	44.8	.06	223.4
10:00	0.007605	12.0	11.9	.02	29.15	987.3	69.6	.10	200.3
11:00	0.008085	12.7	12.7	.00	29.15	987.1	88.7	.13	221.1
12:00	0.008544	13.4	13.4	.00	29.13	986.7	108.4	.16	225.9
13:00	0.008865	13.9	13.9	.00	29.13	986.4	75.3	.11	232.4
14:00	0.009082	14.2	14.2	.00	29.11	985.8	88.3	.13	245.3
15:00	0.009144	14.3	14.3	.02	29.09	985.1	159.0	.23	262.6
16:00	0.009438	14.8	14.7	.00	29.08	984.8	164.2	.24	229.5
17:00	0.009531	14.8	14.9	.00	29.09	985.3	46.0	.07	258.1
18:00	0.009624	14.9	15.0	.01	29.11	985.9	31.8	.05	247.0
19:00	0.009568	14.7	14.9	.01	29.13	986.5	2.7	.00	231.0
20:00	0.009663	14.8	15.1	.00	29.15	987.2	-2.3	.00	253.7
21:00	0.009594	14.6	15.0	.00	29.17	988.0	-1.6	.00	228.1
22:00	0.009378	14.5	14.7	.00	29.19	988.5	-1.8	.00	248.8
23:00	0.009187	13.8	14.4	.00	29.19	988.7	-2.6	.00	244.2
Avg	0.008215	12.8	12.9	.00	29.15	987.2	36.2	.05	251.0
Max	0.009663	14.9	15.1	.02	29.24	990.2	164.2	.24	346.3
Hr. of Max	20	18	20	15	00	00	16	16	05
Min	0.006784	10.2	10.6	.00	29.08	984.8	-2.8	.00	8.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/14/2015

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	56.9	60.0	53.3	55.9	23.0	9.6	5.4	1.7	4.0
01:00	59.7	67.5	39.8	63.4	19.0	14.2	8.4	1.5	2.7
02:00	55.4	70.2	43.2	66.0	16.2	11.8	10.1	1.8	3.1
03:00	54.3	59.1	43.6	55.0	25.1	11.0	8.5	1.4	3.4
04:00	87.1	95.6	349.7	92.5	33.2	36.3	18.1	.1	.8
05:00	7.4	39.0	341.1	31.9	51.1	42.3	28.9	.5	.6
06:00	134.3	77.8	263.3	69.3	65.1	43.5	60.6	.3	.3
07:00	209.4	192.1	238.1	193.9	33.8	24.3	29.7	1.0	1.2
08:00	254.9	257.5	241.8	261.4	14.8	27.6	36.7	1.8	2.5
09:00	251.6	260.8	229.3	261.7	22.2	14.0	8.6	1.9	2.9
10:00	227.1	244.8	205.8	246.3	19.1	17.1	13.5	1.4	2.1
11:00	229.9	231.3	226.4	233.0	23.6	18.9	11.3	2.1	3.3
12:00	230.2	229.2	231.4	231.0	19.9	15.8	11.4	4.0	5.6
13:00	236.0	234.6	238.4	236.3	25.0	18.0	13.3	2.3	3.8
14:00	251.5	249.9	249.8	251.2	21.7	16.5	13.5	2.7	4.1
15:00	267.3	266.7	265.7	267.1	21.1	19.5	13.7	2.5	3.1
16:00	236.4	238.9	233.1	240.7	22.1	18.3	15.1	2.7	3.4
17:00	260.6	258.4	262.6	259.5	17.2	13.3	10.7	3.3	4.5
18:00	256.6	256.7	252.3	257.6	18.9	13.1	11.1	3.2	5.0
19:00	235.0	232.5	235.9	234.2	18.1	12.1	8.1	3.7	6.1
20:00	262.0	262.2	257.7	262.7	18.8	14.7	12.3	2.3	3.6
21:00	244.7	257.1	233.9	258.1	16.7	11.6	10.6	3.4	5.4
22:00	261.9	268.9	253.9	269.5	16.1	13.3	10.7	3.8	5.8
23:00	259.7	265.7	250.1	266.5	38.7	19.2	10.8	1.7	3.7
Avg	246.0	248.0	256.0	254.0	25.0	19.0	15.9	.0	.0
Max	267.3	268.9	349.7	269.5	65.1	43.5	60.6	4.0	6.1
Hr. of Max	15	22	04	22	06	06	06	12	19
Min	7.4	39.0	39.8	31.9	14.8	9.6	5.4	.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)

3/14/2015

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	4.9	1.8	4.1	5.0	2.3	5.3	-2.9	-2.9	-.20
01:00	3.0	1.6	2.8	3.1	1.9	3.4	-5.1	-2.2	-.21
02:00	3.4	1.9	3.2	3.4	2.1	3.8	-5.1	-1.3	-.23
03:00	4.3	1.5	3.4	4.3	1.9	4.7	-5.1	-2.0	-.21
04:00	1.6	1.3	1.7	2.0	1.7	2.4	-.1	1.3	-.03
05:00	.7	.8	1.1	.9	1.2	1.4	1.9	1.7	.03
06:00	.4	.5	.7	.7	.9	1.2	1.4	.0	.02
07:00	1.1	1.1	1.3	1.2	1.6	1.6	1.3	.1	.02
08:00	2.8	2.0	2.6	2.8	2.4	3.2	.7	.3	.02
09:00	3.9	2.0	2.9	4.0	2.5	4.4	1.1	.6	-.02
10:00	2.9	1.5	2.2	3.1	2.0	3.5	2.5	1.5	.05
11:00	5.0	2.3	3.5	5.1	2.9	5.6	5.2	.1	.19
12:00	7.4	4.3	5.8	7.5	4.9	8.2	1.3	.7	.02
13:00	5.0	2.6	4.0	5.2	3.1	5.7	3.3	1.3	.04
14:00	5.1	2.8	4.3	5.3	3.4	5.8	1.3	-.3	-.05
15:00	3.8	2.7	3.3	3.9	3.1	4.3	-.2	-.3	-.15
16:00	4.1	2.8	3.6	4.3	3.4	4.8	4.0	2.6	.14
17:00	5.5	3.5	4.6	5.6	3.9	6.1	-.9	-.2	-.15
18:00	6.3	3.4	5.1	6.4	4.0	6.9	-.3	.9	-.11
19:00	7.9	4.0	6.3	8.1	4.6	8.6	.0	.5	-.08
20:00	4.8	2.6	3.9	5.0	3.0	5.3	-.7	-.2	-.07
21:00	6.8	3.6	5.7	7.0	4.1	7.5	-.1	.4	-.08
22:00	7.6	4.0	5.9	7.7	4.4	8.1	-.8	.2	-.13
23:00	5.6	2.0	4.0	5.8	2.5	6.0	.0	3.2	-.06
Avg	.0	2.4	3.6	4.5	2.8	4.9	.1	.3	-.05
Max	7.9	4.3	6.3	8.1	4.9	8.6	5.2	3.2	.19
Hr. of Max	19	12	19	19	12	19	11	23	11
Min	.4	.5	.7	.7	.9	1.2	-5.1	-2.9	-.23
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/14/2015

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	-.27	5.0	8.9	10.1	5.6	8.0	15.4	3.8
01:00	-.14	3.7	6.2	8.2	4.2	5.3	11.1	4.3
02:00	-.09	5.0	9.2	9.2	4.5	7.5	11.0	5.7
03:00	-.17	4.4	9.8	13.7	4.7	8.6	16.4	5.0
04:00	.04	3.2	5.3	6.9	3.5	4.9	8.3	6.2
05:00	.03	3.0	2.7	2.5	2.7	3.0	7.6	9.4
06:00	.00	2.5	3.2	3.4	2.2	3.3	8.9	11.2
07:00	.01	3.0	3.9	3.7	3.3	4.2	7.8	6.8
08:00	.09	3.9	5.5	6.6	4.5	7.1	6.9	7.7
09:00	.03	6.4	8.2	10.1	6.7	9.4	12.4	5.8
10:00	.05	4.4	5.3	6.6	5.4	7.3	14.1	9.2
11:00	-.03	6.0	9.4	11.0	6.0	10.2	18.1	8.3
12:00	.03	10.5	12.1	15.1	10.6	15.9	15.4	9.0
13:00	.08	7.3	8.9	11.4	9.5	10.9	16.9	9.2
14:00	-.10	7.6	9.8	13.1	8.9	11.1	14.9	8.9
15:00	-.13	8.9	10.8	10.5	7.0	9.0	18.8	13.4
16:00	.11	6.9	10.5	9.8	6.7	8.8	16.3	12.1
17:00	-.08	7.3	10.5	12.8	8.7	11.0	13.3	8.4
18:00	.06	11.0	13.5	14.9	10.4	15.2	13.3	7.8
19:00	.05	14.2	15.1	25.2	11.3	14.8	12.6	4.8
20:00	-.04	6.9	7.8	9.8	8.0	11.1	10.5	6.4
21:00	.01	8.7	11.4	15.1	10.0	15.9	10.6	6.6
22:00	-.05	10.3	16.5	20.2	11.9	15.8	10.2	7.5
23:00	.24	7.6	11.0	14.7	6.2	9.3	11.1	6.0
Avg	-.01	6.6	9.0	11.0	6.8	9.5	12.6	7.6
Max	.24	14.2	16.5	25.2	11.9	15.9	18.8	13.4
Hr. of Max	23	19	22	19	22	21	15	15
Min	-.27	2.5	2.7	2.5	2.2	3.0	6.9	3.8
Count	24	24	24	24	24	24	24	24
Total								