Date Printed: 04/23/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/22/2015

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	6.6	9.0	11.1	12.4	2.44	4.50	5.83	2.06	3.39
01:00	6.3	8.4	9.8	11.8	2.10	3.44	5.46	1.34	3.36
02:00	6.3	8.4	10.0	11.5	2.14	3.74	5.25	1.59	3.11
03:00	6.1	8.1	9.3	10.9	1.99	3.15	4.77	1.16	2.78
04:00	6.3	8.2	9.9	10.7	1.93	3.63	4.40	1.69	2.47
05:00	7.1	9.3	10.2	10.6	2.21	3.11	3.51	.89	1.30
06:00	7.5	9.6	10.3	10.7	2.10	2.82	3.26	.72	1.15
07:00	7.3	9.9	10.6	11.0	2.60	3.32	3.65	.72	1.06
08:00	11.2	11.5	11.6	11.6	.25	.34	.43	.09	.17
09:00	14.0	13.7	13.5	13.4	-.33	-.60	-.69	-.27	-.35
10:00	16.9	16.3	16.0	15.9	-.56	-.86	-1.01	-.30	-.45
11:00	19.2	18.5	18.2	18.1	-.62	-.94	-1.09	-.32	-.47
12:00	20.7	19.9	19.5	19.3	-.81	-1.14	-1.35	-.34	-.55
13:00	21.5	20.8	20.6	20.4	-.61	-.90	-1.04	-.29	-.43
14:00	21.1	20.9	20.6	20.6	-.25	-.50	-.59	-.25	-.34
15:00	22.1	21.5	21.3	21.1	-.59	-.86	-1.02	-.27	-.44
16:00	21.5	21.2	21.0	20.9	-.25	-.46	-.57	-.21	-.33
17:00	20.9	20.9	20.7	20.7	-.06	-.22	-.25	-.16	-.19
18:00	20.3	20.4	20.3	20.3	.11	.01	.01	-.10	-.10
19:00	19.8	19.8	19.7	19.6	.06	-.09	-.13	-.15	-.19
20:00	18.3	18.3	18.1	18.1	.04	-.13	-.18	-.17	-.22
21:00	16.7	16.8	16.7	16.6	.09	-.06	-.10	-.16	-.19
22:00	14.9	15.3	15.2	15.2	.33	.23	.24	-.10	-.08
23:00	12.9	13.9	14.1	14.3	1.00	1.20	1.40	.20	.41
Avg	14.4	15.0	15.3	15.7	.64	.95	1.26	.31	.62
Max	22.1	21.5	21.3	21.1	2.60	4.50	5.83	2.06	3.39
Hr. of Max	15	15	15	15	07	00	00	00	00
Min	6.1	8.1	9.3	10.6	-.81	-1.14	-1.35	-.34	-.55
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/22/2015

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	3.4	2.2	4.5	16.5	81.1	62.9	6.1	5.5	0.004998
01:00	3.7	3.4	4.6	16.2	84.1	71.3	6.2	6.0	0.005101
02:00	4.0	3.4	4.7	15.9	85.9	71.5	6.3	6.0	0.005184
03:00	4.2	4.0	4.8	15.6	87.9	75.8	6.4	6.3	0.005256
04:00	4.3	3.5	4.9	15.3	87.5	72.9	6.4	6.1	0.005296
05:00	4.7	2.8	5.5	15.1	85.8	64.5	6.6	5.7	0.005463
06:00	4.9	2.8	5.7	14.9	84.3	63.2	6.7	5.7	0.005533
07:00	4.9	2.4	5.7	14.7	85.6	60.1	6.7	5.6	0.005547
08:00	4.9	2.9	7.0	14.5	66.4	56.3	6.6	5.7	0.005554
09:00	3.8	2.7	7.2	14.4	50.7	48.0	6.1	5.7	0.005148
10:00	4.2	3.0	8.4	14.4	43.6	41.6	6.2	5.8	0.005327
11:00	4.7	3.6	9.5	14.7	39.2	37.9	6.4	6.0	0.005517
12:00	5.1	4.1	10.3	15.2	36.9	36.1	6.6	6.1	0.005718
13:00	5.5	4.6	10.8	15.8	36.0	35.3	6.7	6.4	0.005858
14:00	5.8	5.1	10.9	16.4	37.6	36.3	6.9	6.6	0.005995
15:00	6.1	5.5	11.5	16.8	36.3	35.9	7.0	6.7	0.006142
16:00	7.0	6.6	11.8	17.0	39.9	39.5	7.5	7.3	0.006502
17:00	7.7	7.2	12.1	17.1	43.5	42.1	7.8	7.6	0.006834
18:00	8.4	8.0	12.4	17.2	47.2	45.5	8.2	8.0	0.007147
19:00	8.2	8.1	12.1	17.2	48.3	47.5	8.1	8.1	0.007066
20:00	9.0	9.0	12.1	17.1	55.8	55.4	8.6	8.6	0.007435
21:00	8.4	8.4	11.2	17.0	58.9	58.3	8.3	8.3	0.00713
22:00	5.8	5.5	8.8	16.8	55.1	53.0	7.0	6.9	0.005935
23:00	5.3	4.4	7.8	16.6	60.9	53.7	6.8	6.4	0.005723
Avg	5.6	4.7	8.5	15.9	59.9	52.7	6.9	6.5	0.005892
Max	9.0	9.0	12.4	17.2	87.9	75.8	8.6	8.6	0.007435
Hr. of Max	20	20	18	19	03	03	20	20	20
Min	3.4	2.2	4.5	14.4	36.0	35.3	6.1	5.5	0.004998
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/22/2015

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	0.004572	7.8	7.2	.00	29.03	982.9	-1.2	.00	206.8
01:00	0.004991	8.0	7.8	.00	29.03	982.9	-2.7	.00	47.2
02:00	0.004998	8.1	7.8	.00	29.02	982.7	-3.8	-.01	270.0
03:00	0.005196	8.2	8.1	.00	29.01	982.6	-1.0	.00	36.9
04:00	0.005042	8.3	7.9	.00	29.01	982.4	-2.2	.00	214.5
05:00	0.004775	8.6	7.5	.00	29.01	982.4	-2.6	.00	227.1
06:00	0.004784	8.7	7.5	.00	29.00	982.1	-.9	.00	253.9
07:00	0.004648	8.7	7.3	.00	29.01	982.4	53.4	.08	230.5
08:00	0.004817	8.7	7.6	.00	29.02	982.6	274.4	.39	222.0
09:00	0.004774	8.1	7.5	.00	29.02	982.9	432.0	.62	224.2
10:00	0.004902	8.3	7.7	.00	29.02	982.8	650.7	.93	232.1
11:00	0.005127	8.6	8.0	.00	29.00	982.3	689.4	.99	229.9
12:00	0.005315	8.9	8.3	.00	28.99	981.6	885.8	1.27	239.7
13:00	0.00553	9.1	8.6	.00	28.95	980.5	634.2	.91	225.2
14:00	0.005703	9.4	8.9	.00	28.95	980.5	400.5	.57	229.5
15:00	0.005865	9.6	9.2	.00	28.95	980.5	615.0	.88	243.1
16:00	0.006346	10.1	9.9	.00	28.94	980.2	252.0	.36	256.4
17:00	0.006603	10.7	10.3	.00	28.94	980.1	182.5	.26	248.8
18:00	0.006938	11.1	10.8	.00	28.94	980.2	76.1	.11	252.7
19:00	0.006984	11.0	10.9	.00	28.95	980.4	21.5	.03	261.0
20:00	0.007407	11.6	11.5	.00	28.97	981.1	-1.1	.00	270.8
21:00	0.007094	11.1	11.1	.00	28.99	981.9	-.7	.00	267.6
22:00	0.005837	9.3	9.1	.00	29.00	982.3	-3.0	.00	252.0
23:00	0.005391	9.0	8.4	.00	29.02	982.8	-2.4	.00	233.6
Avg	0.005568	9.2	8.7	.00	28.99	981.8	214.4	.31	242.0
Max	0.007407	11.6	11.5	.00	29.03	982.9	885.8	1.27	270.8
Hr. of Max	20	20	20	23	01	09	12	12	20
Min	0.004572	7.8	7.2	.00	28.94	980.1	-3.8	-.01	36.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/22/2015

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	244.3	229.9	220.1	232.2	25.1	13.2	4.2	.7	3.0
01:00	208.5	236.9	54.8	238.7	23.3	36.8	5.6	.2	.7
02:00	249.2	239.5	269.8	241.0	51.9	36.6	7.2	.1	1.4
03:00	257.4	218.7	45.9	220.7	24.7	40.8	7.7	.1	.3
04:00	257.6	228.6	218.6	230.9	32.5	9.0	5.4	.2	2.1
05:00	238.5	242.4	232.3	243.8	12.1	6.5	6.0	2.8	4.9
06:00	233.1	228.6	256.1	230.9	17.3	5.9	4.5	1.7	3.9
07:00	240.9	229.7	233.6	231.8	21.0	8.4	6.6	1.6	4.4
08:00	234.1	233.5	228.2	235.4	24.4	11.6	8.6	3.6	5.7
09:00	231.6	229.1	230.8	230.9	20.9	14.7	13.8	5.0	6.5
10:00	238.2	238.9	238.1	240.4	29.6	23.6	17.6	6.0	7.9
11:00	235.6	235.0	235.8	236.9	23.1	19.3	14.5	8.4	11.0
12:00	246.0	246.3	244.8	247.8	28.4	21.9	17.6	8.7	12.1
13:00	231.1	229.7	231.1	231.8	25.6	19.1	15.1	9.3	12.4
14:00	234.8	234.7	235.2	236.7	21.5	15.6	12.8	9.7	14.1
15:00	248.4	248.1	249.3	249.6	23.7	18.6	15.9	10.1	13.6
16:00	261.9	262.2	261.6	263.3	24.9	18.2	15.9	8.8	12.0
17:00	254.9	255.6	253.2	257.0	23.2	19.1	15.7	7.3	10.4
18:00	262.9	266.5	259.1	267.3	22.7	17.3	14.3	6.8	9.6
19:00	268.7	271.8	266.2	272.2	23.8	18.6	17.1	7.7	10.6
20:00	281.1	285.2	275.1	284.3	25.5	20.1	18.0	5.7	7.9
21:00	279.7	282.9	272.9	282.4	25.3	20.7	16.3	6.1	8.6
22:00	267.3	277.8	255.8	277.5	28.0	23.0	19.7	3.7	5.6
23:00	234.0	237.2	238.9	238.9	23.7	17.9	18.9	3.3	5.4
Avg	247.0	245.0	247.0	246.0	25.1	19.0	12.5	.0	.0
Max	281.1	285.2	275.1	284.3	51.9	40.8	19.7	10.1	14.1
Hr. of Max	20	20	20	20	02	03	22	15	14
Min	208.5	218.7	45.9	220.7	12.1	5.9	4.2	.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)

4/22/2015

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	6.8	1.0	3.1	6.9	1.4	7.4	1.8	2.0	.05
01:00	5.6	.3	.8	5.7	.6	6.1	2.4	2.0	.03
02:00	4.5	.1	1.4	4.6	.5	5.0	1.0	2.4	.02
03:00	3.7	.1	.3	3.7	.4	4.1	3.3	.7	.04
04:00	5.2	.2	2.2	5.3	.6	5.7	2.6	1.4	.03
05:00	6.4	2.9	5.0	6.4	3.4	6.9	-.7	1.7	-.07
06:00	5.8	1.8	3.9	5.9	2.2	6.4	-.6	1.4	-.05
07:00	6.8	1.6	4.4	6.9	2.1	7.4	.7	1.3	.01
08:00	7.4	3.7	5.9	7.6	4.2	8.1	-.3	-.1	-.14
09:00	7.2	5.2	6.7	7.4	5.8	8.0	-1.3	-.7	-.31
10:00	9.4	6.7	8.5	9.9	7.4	10.7	.8	.0	-.24
11:00	12.9	9.1	11.6	13.3	9.7	14.4	.6	.9	-.23
12:00	14.4	9.7	13.0	15.1	10.5	16.1	1.3	-.6	-.23
13:00	14.7	10.1	13.0	15.3	11.2	16.3	-.4	.8	-.39
14:00	17.2	10.4	14.7	17.8	11.6	18.9	.6	.2	-.33
15:00	16.1	10.9	14.3	16.8	11.8	18.0	.7	1.9	-.35
16:00	14.7	9.6	12.6	15.3	10.3	16.1	-3.0	-.9	-.76
17:00	12.8	7.9	10.9	13.3	8.7	14.1	-.3	2.1	-.32
18:00	11.6	7.3	10.0	12.0	8.0	12.6	-1.9	-.3	-.57
19:00	13.1	8.3	11.1	13.7	8.8	14.2	-1.7	-.8	-.52
20:00	9.6	6.1	8.3	10.0	6.7	10.3	-2.2	-2.2	-.58
21:00	10.9	6.6	9.1	11.3	7.2	11.6	-2.8	-1.2	-.66
22:00	7.5	4.1	6.0	7.9	4.8	8.3	.8	-1.4	-.11
23:00	6.5	3.7	5.6	6.8	4.1	7.5	-1.4	1.7	-.15
Avg	.0	5.3	7.6	10.0	5.9	10.6	.0	.5	-.24
Max	17.2	10.9	14.7	17.8	11.8	18.9	3.3	2.4	.05
Hr. of Max	14	15	14	14	15	14	03	02	00
Min	3.7	.1	.3	3.7	.4	4.1	-3.0	-2.2	-.76
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/22/2015

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	.25	6.2	10.5	15.6	3.9	9.3	10.9	2.5
01:00	.21	1.4	4.6	9.8	1.8	10.3	9.3	3.4
02:00	.21	1.1	4.1	9.2	1.7	7.4	7.0	2.6
03:00	.04	.9	3.0	6.6	1.1	7.1	9.6	4.1
04:00	.14	1.6	6.0	9.2	1.8	11.1	8.3	3.2
05:00	.19	5.5	8.7	14.7	6.6	12.0	6.1	3.9
06:00	.14	5.7	7.6	12.8	4.8	9.6	7.4	3.1
07:00	.14	5.3	10.3	15.1	4.5	12.3	9.2	4.7
08:00	-.06	10.8	11.4	12.1	12.6	13.0	12.4	6.1
09:00	-.18	12.6	19.0	22.2	12.9	16.6	16.1	11.9
10:00	-.28	18.5	19.2	18.8	17.8	20.5	17.8	13.4
11:00	.02	23.8	26.6	26.6	25.4	28.6	16.4	11.2
12:00	-.40	21.1	26.6	28.4	23.1	29.1	17.1	11.3
13:00	.00	24.7	41.4	48.8	30.6	29.9	14.4	10.4
14:00	-.10	25.9	32.3	31.1	29.6	34.7	15.7	8.9
15:00	.27	33.0	33.7	39.8	32.1	39.5	17.2	11.8
16:00	-.53	30.7	42.4	46.3	27.3	32.4	15.3	10.8
17:00	.26	21.8	25.9	32.7	24.3	29.6	15.4	11.3
18:00	-.35	18.5	22.9	27.2	20.8	27.6	16.1	11.2
19:00	-.61	25.0	35.3	34.8	22.1	30.6	16.1	12.4
20:00	-.69	20.2	23.1	22.9	18.0	25.5	18.1	12.8
21:00	-.56	20.6	22.7	25.0	21.4	27.0	17.0	13.2
22:00	-.40	16.0	19.0	23.6	16.6	22.3	19.4	14.1
23:00	.17	11.0	14.0	13.7	13.0	15.5	11.8	9.7
Avg	-.09	15.1	19.6	22.8	15.6	20.9	13.5	8.7
Max	.27	33.0	42.4	48.8	32.1	39.5	19.4	14.1
Hr. of Max	15	15	16	13	15	15	22	22
Min	-.69	.9	3.0	6.6	1.1	7.1	6.1	2.5
Count	24	24	24	24	24	24	24	24
Total								