Date Printed: 06/17/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/16/2015

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	21.9	23.0	23.4	24.5	1.08	1.54	2.58	.46	1.50
01:00	21.5	22.4	22.9	24.1	.90	1.45	2.62	.55	1.72
02:00	21.1	22.1	22.5	23.4	1.04	1.41	2.29	.38	1.25
03:00	20.5	21.7	22.3	22.8	1.18	1.72	2.30	.54	1.12
04:00	20.2	21.3	21.9	22.5	1.10	1.66	2.31	.55	1.21
05:00	19.9	21.1	21.4	22.0	1.15	1.44	2.05	.29	.90
06:00	19.8	20.9	21.2	21.9	1.10	1.37	2.04	.27	.94
07:00	21.3	21.5	22.5	23.0	.21	1.16	1.68	.95	1.47
08:00	24.4	24.0	23.8	23.8	-.41	-.62	-.65	-.22	-.25
09:00	27.0	26.4	26.1	26.0	-.59	-.86	-.94	-.27	-.36
10:00	29.3	28.6	28.3	28.1	-.70	-.99	-1.12	-.29	-.42
11:00	30.9	30.0	29.7	29.5	-.88	-1.20	-1.38	-.32	-.50
12:00	31.0	30.3	30.0	29.9	-.77	-1.00	-1.15	-.23	-.38
13:00	31.7	30.8	30.5	30.5	-.93	-1.16	-1.21	-.23	-.28
14:00	33.0	31.8	31.5	31.4	-1.16	-1.52	-1.63	-.36	-.47
15:00	30.6	30.0	29.7	29.7	-.62	-.86	-.91	-.24	-.28
16:00	29.2	28.5	28.2	28.2	-.68	-1.00	-1.02	-.32	-.34
17:00	32.2	31.5	31.2	31.0	-.68	-1.03	-1.23	-.35	-.55
18:00	32.4	32.0	31.7	31.6	-.47	-.76	-.87	-.29	-.40
19:00	29.8	30.4	31.2	31.4	.65	1.43	1.58	.78	.93
20:00	27.2	28.2	29.0	29.5	.97	1.79	2.25	.82	1.28
21:00	25.5	25.5	25.3	25.4	.01	-.13	-.09	-.14	-.10
22:00	23.9	24.3	24.6	24.8	.39	.67	.90	.28	.51
23:00	22.7	23.3	24.1	24.5	.63	1.40	1.83	.76	1.20
Avg	26.1	26.2	26.4	26.6	.11	.25	.51	.14	.40
Max	33.0	32.0	31.7	31.6	1.18	1.79	2.62	.95	1.72
Hr. of Max	14	18	18	18	03	20	01	07	01
Min	19.8	20.9	21.2	21.9	-1.16	-1.52	-1.63	-.36	-.55
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/16/2015

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	20.0	21.2	20.6	27.4	91.4	92.1	17.3	18.5	0.015129
01:00	19.8	21.1	20.3	27.1	92.3	95.1	17.0	18.4	0.014888
02:00	19.5	21.0	20.0	26.8	92.7	96.1	16.7	18.3	0.014612
03:00	19.0	20.8	19.5	26.6	93.3	96.9	16.3	18.1	0.014212
04:00	18.8	20.5	19.3	26.3	93.6	97.7	16.1	17.8	0.014001
05:00	18.5	20.3	19.0	26.1	93.7	97.6	15.8	17.6	0.013744
06:00	18.4	20.2	18.9	25.8	93.8	97.7	15.7	17.4	0.013667
07:00	19.5	20.1	20.1	25.6	91.6	93.7	16.8	17.3	0.014645
08:00	20.6	20.4	21.9	25.4	81.4	82.2	17.7	17.5	0.015676
09:00	20.6	20.1	22.7	25.3	70.2	70.2	17.6	17.1	0.01573
10:00	20.4	20.0	23.4	25.3	60.8	61.7	17.3	16.9	0.015567
11:00	20.2	19.7	23.7	25.7	54.7	55.6	17.0	16.5	0.015364
12:00	20.2	19.9	23.8	26.4	54.3	55.7	17.0	16.8	0.015405
13:00	20.4	19.8	24.2	27.1	53.3	53.9	17.3	16.7	0.015666
14:00	19.3	19.0	23.9	27.6	46.1	48.2	16.1	15.8	0.014641
15:00	19.8	19.8	23.4	27.9	54.8	56.4	16.7	16.6	0.015068
16:00	20.4	20.2	23.4	28.1	61.3	62.8	17.4	17.1	0.01563
17:00	20.5	20.2	24.4	28.2	51.9	52.7	17.3	17.0	0.015766
18:00	20.1	19.8	24.2	28.4	49.9	50.2	16.9	16.6	0.015378
19:00	21.3	20.4	24.2	28.5	62.8	57.2	18.3	17.3	0.01656
20:00	21.4	20.9	23.4	28.5	73.0	66.5	18.5	17.9	0.016624
21:00	20.0	20.1	21.8	28.4	74.0	74.3	17.1	17.2	0.015189
22:00	20.1	20.1	21.3	28.2	81.3	79.6	17.2	17.2	0.015195
23:00	19.9	20.1	20.8	27.9	86.7	84.6	17.1	17.3	0.01504
Avg	19.9	20.2	22.0	27.0	73.3	74.1	17.0	17.3	0.015142
Max	21.4	21.2	24.4	28.5	93.8	97.7	18.5	18.5	0.016624
Hr. of Max	20	00	17	20	06	06	20	00	20
Min	18.4	19.0	18.9	25.3	46.1	48.2	15.7	15.8	0.013667
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/16/2015

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	0.016282	23.5	25.2	.00	29.21	989.3	-2.5	.00	260.1
01:00	0.01621	23.1	25.1	.00	29.21	989.3	-2.5	.00	249.5
02:00	0.016127	22.7	25.0	.00	29.21	989.2	-2.4	.00	244.1
03:00	0.015874	22.1	24.6	.00	29.20	988.9	-1.7	.00	262.2
04:00	0.015635	21.8	24.2	.00	29.20	988.8	-3.2	.00	297.2
05:00	0.015359	21.4	23.8	.00	29.21	989.2	-1.8	.00	270.2
06:00	0.015243	21.3	23.7	.00	29.22	989.6	10.6	.02	279.9
07:00	0.015155	22.8	23.6	.00	29.24	990.2	118.8	.17	231.1
08:00	0.015457	24.3	24.0	.00	29.25	990.4	356.0	.51	224.8
09:00	0.015193	24.4	23.6	.00	29.25	990.6	553.9	.79	205.3
10:00	0.015165	24.2	23.6	.00	29.24	990.3	737.9	1.06	252.8
11:00	0.014853	23.9	23.1	.00	29.24	990.2	887.8	1.27	271.2
12:00	0.015136	23.9	23.5	.00	29.23	989.9	624.7	.90	269.1
13:00	0.015067	24.3	23.4	.00	29.22	989.5	766.9	1.10	254.2
14:00	0.014338	22.7	22.3	.00	29.19	988.7	1016.9	1.46	254.9
15:00	0.014991	23.4	23.3	.00	29.18	988.2	312.3	.45	240.0
16:00	0.01539	24.2	23.9	.00	29.17	987.8	440.1	.63	226.3
17:00	0.01542	24.4	23.9	.00	29.16	987.4	498.0	.71	219.8
18:00	0.015077	23.8	23.4	.00	29.15	987.1	344.5	.49	250.5
19:00	0.015652	25.6	24.2	.00	29.15	987.3	119.6	.17	303.2
20:00	0.01605	25.7	24.8	.00	29.17	987.8	8.7	.01	301.3
21:00	0.015253	23.6	23.7	.00	29.19	988.4	-2.1	.00	326.1
22:00	0.015236	23.6	23.6	.00	29.20	989.0	-2.2	.00	284.3
23:00	0.015249	23.4	23.7	.00	29.21	989.2	-2.8	.00	291.6
Avg	0.015392	23.5	23.9	.00	29.20	989.0	282.3	.41	261.0
Max	0.016282	25.7	25.2	.00	29.25	990.6	1016.9	1.46	326.1
Hr. of Max	00	20	00	23	09	09	14	14	21
Min	0.014338	21.3	22.3	.00	29.15	987.1	-3.2	.00	205.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/16/2015

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	234.3	230.2	260.3	232.4	16.3	9.8	5.0	.7	2.3
01:00	247.0	238.2	250.4	239.6	21.7	16.7	8.1	1.0	.7
02:00	220.8	216.2	250.4	218.1	17.4	5.3	8.4	1.0	2.0
03:00	270.4	219.1	254.3	221.0	21.9	29.2	10.8	1.0	1.1
04:00	12.2	251.0	277.2	251.1	48.1	41.9	14.0	.1	.3
05:00	217.4	219.0	273.7	211.0	53.4	37.1	23.9	.5	.2
06:00	236.4	206.4	277.7	213.8	14.2	18.6	15.9	.7	.8
07:00	254.1	231.7	236.0	234.3	15.4	9.8	5.4	1.3	2.1
08:00	231.2	232.1	228.9	234.3	18.1	13.5	10.1	2.6	3.4
09:00	217.6	223.5	211.7	225.1	20.0	17.3	14.5	3.0	3.5
10:00	262.7	262.5	256.5	263.1	50.7	38.3	33.1	2.4	3.5
11:00	283.6	281.0	275.4	279.2	55.2	40.8	36.3	2.8	4.1
12:00	274.3	279.6	274.1	279.0	43.9	43.3	44.9	2.2	2.6
13:00	266.5	269.4	258.2	269.1	31.0	27.8	23.8	2.9	3.8
14:00	265.1	268.4	257.7	268.0	44.6	38.6	34.3	3.7	4.8
15:00	242.7	240.3	245.9	242.2	28.5	20.8	12.6	5.3	7.8
16:00	230.1	225.2	230.8	227.0	27.6	23.8	17.2	3.1	4.2
17:00	234.5	235.5	223.5	237.2	28.9	26.2	20.8	3.2	4.0
18:00	254.0	252.4	253.4	253.6	33.7	23.8	18.4	2.3	3.3
19:00	299.0	294.5	301.7	292.1	20.6	18.3	13.1	1.2	2.0
20:00	347.1	351.1	306.1	348.2	25.3	55.3	37.7	2.6	3.2
21:00	322.8	340.5	304.2	332.9	58.5	47.0	44.6	1.9	3.5
22:00	343.1	38.9	279.6	31.1	47.2	41.5	42.9	.7	.5
23:00	1.7	52.0	287.6	46.9	42.6	40.5	21.2	.5	1.4
Avg	265.0	252.0	261.0	254.0	32.7	28.6	21.5	.0	.0
Max	347.1	351.1	306.1	348.2	58.5	55.3	44.9	5.3	7.8
Hr. of Max	20	20	20	20	21	20	12	15	15
Min	1.7	38.9	211.7	31.1	14.2	5.3	5.0	.1	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/16/2015

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	3.8	.7	2.3	3.9	1.1	4.2	.8	1.0	.01
01:00	2.4	1.0	.7	2.5	1.4	2.8	1.1	1.5	.02
02:00	2.4	1.1	2.0	2.4	1.4	2.7	.4	1.1	-.01
03:00	2.1	1.1	1.3	2.2	1.5	2.5	1.3	.5	.02
04:00	.9	.1	.4	1.0	.5	1.3	2.0	-.6	.02
05:00	.5	.5	.3	.5	1.0	.8	.6	-1.7	.01
06:00	.8	.7	.8	.9	1.2	1.2	-.4	.3	-.03
07:00	2.8	1.3	2.2	2.8	1.8	3.1	-.5	-.1	-.02
08:00	4.1	2.8	3.5	4.2	3.2	4.6	-.4	-.9	-.11
09:00	3.6	3.2	3.6	3.7	3.7	4.1	-1.5	-3.2	-.14
10:00	4.2	3.4	4.3	4.9	3.9	5.4	-1.6	1.2	-.22
11:00	5.0	3.8	5.0	5.9	4.4	6.5	1.9	5.5	-.10
12:00	2.9	2.8	3.3	3.7	3.3	4.2	1.9	4.4	-.11
13:00	4.7	3.7	4.5	5.2	4.0	5.7	-1.6	-2.5	-.25
14:00	5.3	4.8	5.7	6.2	5.3	6.9	-.7	.4	-.35
15:00	9.6	5.8	8.2	9.9	6.4	10.6	-.6	-.6	-.29
16:00	5.1	3.5	4.5	5.3	4.2	5.8	-.1	.4	-.11
17:00	4.7	3.7	4.5	5.0	4.4	5.5	-.2	2.3	-.10
18:00	4.0	2.6	3.6	4.2	3.2	4.6	.3	1.9	-.11
19:00	2.4	1.3	2.2	2.6	1.6	2.7	2.0	.0	.00
20:00	4.6	3.1	3.9	5.4	3.5	5.6	-1.3	2.0	-.29
21:00	5.2	3.4	4.8	6.2	3.9	6.8	.1	3.3	-.40
22:00	1.1	1.2	1.8	1.8	1.7	2.2	.1	.4	-.03
23:00	1.9	.8	1.6	2.0	1.1	2.3	1.1	-1.0	.00
Avg	.0	2.4	3.1	3.9	2.8	4.3	.2	.7	-.11
Max	9.6	5.8	8.2	9.9	6.4	10.6	2.0	5.5	.02
Hr. of Max	15	15	15	15	15	15	19	11	04
Min	.5	.1	.3	.5	.5	.8	-1.6	-3.2	-.40
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/16/2015

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	.09	2.5	4.1	5.7	2.9	6.2	8.2	2.6
01:00	.07	2.3	2.1	6.9	2.6	4.2	4.6	2.7
02:00	.07	3.7	3.0	4.1	3.0	4.5	5.9	2.7
03:00	.03	2.7	3.9	3.9	3.1	4.2	6.3	4.3
04:00	-.01	2.5	1.4	4.1	1.8	3.2	6.1	7.2
05:00	-.03	1.8	1.8	1.8	2.2	2.0	6.3	11.8
06:00	.00	3.0	3.2	2.3	3.5	2.4	6.4	5.2
07:00	.00	3.0	5.5	3.9	3.3	4.3	8.7	2.2
08:00	-.11	6.0	6.9	6.9	7.5	7.5	17.4	9.4
09:00	-.26	8.7	10.1	8.5	7.7	8.2	17.9	14.0
10:00	-.14	10.8	11.7	12.6	14.0	14.6	24.4	22.4
11:00	.13	15.3	16.5	17.4	13.8	20.2	25.8	24.7
12:00	.07	12.6	11.2	12.8	11.8	13.0	24.8	27.8
13:00	-.38	12.1	12.4	13.5	13.1	15.1	19.1	16.5
14:00	-.24	12.6	14.7	13.5	13.2	14.8	22.8	21.4
15:00	-.08	15.8	18.3	18.1	17.0	20.0	16.6	10.5
16:00	-.08	19.2	29.1	30.0	14.0	18.0	19.8	15.9
17:00	.08	10.5	10.3	11.0	10.6	11.8	18.2	16.8
18:00	.10	7.1	8.0	9.2	7.7	8.7	21.2	14.7
19:00	-.05	5.3	6.2	7.3	5.1	6.3	13.1	8.8
20:00	-.26	18.8	22.0	24.5	20.1	25.8	12.3	12.9
21:00	-.15	20.6	19.2	22.9	20.5	23.7	22.1	22.4
22:00	-.02	5.0	4.4	4.8	3.8	4.7	11.6	17.8
23:00	-.03	3.9	5.0	4.1	4.6	4.3	10.3	8.2
Avg	-.05	8.6	9.6	10.4	8.6	10.3	14.6	12.6
Max	.13	20.6	29.1	30.0	20.5	25.8	25.8	27.8
Hr. of Max	11	21	16	16	21	20	11	12
Min	-.38	1.8	1.4	1.8	1.8	2.0	4.6	2.2
Count	24	24	24	24	24	24	24	24
Total								