Date Printed: 05/13/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/12/2015

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	19.3	22.7	23.1	23.5	3.40	3.82	4.18	.42	.77
01:00	19.9	22.5	22.8	23.0	2.61	2.86	3.08	.25	.47
02:00	20.9	21.9	22.2	22.5	1.01	1.29	1.66	.28	.65
03:00	20.6	21.7	21.9	22.1	1.11	1.25	1.49	.14	.38
04:00	19.5	21.0	21.3	21.6	1.43	1.77	2.09	.34	.65
05:00	19.1	20.7	21.1	21.3	1.59	2.01	2.19	.42	.59
06:00	18.8	20.0	20.6	20.8	1.23	1.81	1.95	.57	.72
07:00	19.8	20.5	20.5	20.5	.70	.70	.72	.00	.02
08:00	21.0	20.7	20.5	20.4	-.30	-.52	-.61	-.22	-.32
09:00	21.7	21.2	20.9	20.8	-.54	-.81	-.94	-.27	-.41
10:00	22.5	21.7	21.4	21.2	-.79	-1.10	-1.23	-.31	-.44
11:00	24.1	23.0	22.6	22.5	-1.07	-1.41	-1.55	-.34	-.49
12:00	25.5	24.3	23.9	23.8	-1.18	-1.56	-1.71	-.38	-.54
13:00	26.1	25.0	24.6	24.5	-1.15	-1.55	-1.68	-.40	-.53
14:00	27.1	25.8	25.4	25.3	-1.26	-1.68	-1.84	-.43	-.58
15:00	27.4	26.1	25.8	25.6	-1.26	-1.60	-1.81	-.33	-.55
16:00	26.8	25.9	25.5	25.3	-.97	-1.35	-1.51	-.38	-.54
17:00	26.1	25.4	25.1	24.9	-.74	-1.05	-1.22	-.31	-.48
18:00	24.5	24.1	23.9	23.8	-.39	-.59	-.61	-.19	-.22
19:00	22.8	22.7	22.5	22.6	-.13	-.26	-.24	-.13	-.11
20:00	21.1	21.5	21.4	21.5	.33	.31	.35	-.02	.02
21:00	19.0	20.6	20.7	20.8	1.58	1.69	1.78	.12	.20
22:00	17.6	19.6	19.8	19.9	2.03	2.19	2.28	.17	.25
23:00	15.9	18.5	19.1	19.3	2.52	3.13	3.35	.61	.83
Avg	22.0	22.4	22.4	22.4	.41	.39	.42	-.02	.01
Max	27.4	26.1	25.8	25.6	3.40	3.82	4.18	.61	.83
Hr. of Max	15	15	15	15	00	00	00	23	23
Min	15.9	18.5	19.1	19.3	-1.26	-1.68	-1.84	-.43	-.58
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/12/2015

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	16.0	15.7	17.1	24.0	82.8	66.0	13.5	13.1	0.011691
01:00	16.1	15.6	17.4	23.7	80.4	66.3	13.6	13.1	0.011794
02:00	16.0	15.6	17.6	23.5	75.3	68.9	13.5	13.1	0.011729
03:00	16.1	15.8	17.6	23.3	77.0	70.6	13.6	13.3	0.011806
04:00	16.2	15.9	17.3	23.2	82.6	74.4	13.7	13.4	0.011849
05:00	16.0	16.3	17.0	23.0	84.1	77.5	13.5	13.7	0.01171
06:00	16.2	16.4	17.1	22.8	86.7	81.3	13.7	13.9	0.011853
07:00	16.8	16.7	17.8	22.7	84.6	80.9	14.2	14.1	0.012263
08:00	16.3	16.2	17.9	22.5	76.2	76.8	13.7	13.6	0.011938
09:00	14.9	14.7	17.2	22.4	66.5	67.8	12.5	12.4	0.010886
10:00	14.6	14.3	17.2	22.4	62.5	64.1	12.3	12.0	0.01068
11:00	14.4	14.1	17.6	22.6	56.0	58.4	12.0	11.8	0.010543
12:00	13.4	13.2	17.4	22.9	48.4	51.1	11.3	11.2	0.009934
13:00	13.4	13.3	17.7	23.5	46.6	49.3	11.3	11.2	0.00995
14:00	13.4	13.3	17.9	24.0	43.9	46.9	11.2	11.2	0.00992
15:00	10.9	10.7	16.4	24.3	36.9	38.9	9.6	9.4	0.008486
16:00	7.9	7.7	14.2	24.5	31.1	32.3	7.9	7.8	0.006919
17:00	7.7	7.5	13.9	24.7	31.9	32.8	7.8	7.7	0.006835
18:00	6.7	6.3	12.6	24.7	32.9	32.7	7.3	7.1	0.006354
19:00	8.0	7.7	13.0	24.7	39.7	39.1	8.0	7.8	0.006927
20:00	8.0	7.4	12.4	24.5	43.8	41.0	8.0	7.6	0.006901
21:00	8.8	7.3	12.2	24.3	52.5	43.0	8.5	7.6	0.007241
22:00	9.1	7.4	11.9	24.0	58.4	46.0	8.7	7.7	0.00737
23:00	9.0	7.3	11.3	23.7	64.2	49.2	8.6	7.7	0.007299
Avg	12.7	12.4	15.8	23.6	60.2	56.5	11.2	10.9	0.009703
Max	16.8	16.7	17.9	24.7	86.7	81.3	14.2	14.1	0.012263
Hr. of Max	07	07	14	19	06	06	07	07	07
Min	6.7	6.3	11.3	22.4	31.1	32.3	7.3	7.1	0.006354
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/12/2015

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	0.01148	18.2	17.9	.00	29.16	987.5	-3.2	.00	238.3
01:00	0.011424	18.4	17.8	.00	29.16	987.5	-2.2	.00	244.3
02:00	0.011424	18.3	17.8	.00	29.17	987.8	-.8	.00	229.6
03:00	0.011594	18.4	18.1	.00	29.17	988.0	-1.6	.00	243.2
04:00	0.011664	18.5	18.2	.00	29.17	988.0	-2.4	.00	258.9
05:00	0.011916	18.3	18.6	.00	29.19	988.6	-2.9	.00	256.2
06:00	0.012014	18.5	18.7	.00	29.21	989.1	.3	.00	246.7
07:00	0.012255	19.1	19.1	.00	29.23	990.1	42.7	.06	267.2
08:00	0.011808	18.7	18.5	.00	29.25	990.5	232.6	.33	274.2
09:00	0.010742	17.0	16.8	.00	29.26	990.8	441.0	.63	278.3
10:00	0.010448	16.7	16.4	.00	29.26	991.0	497.1	.71	261.5
11:00	0.010312	16.5	16.2	.00	29.26	990.9	787.9	1.13	243.3
12:00	0.009775	15.6	15.3	.00	29.25	990.5	866.5	1.24	226.5
13:00	0.009825	15.6	15.4	.00	29.24	990.3	808.0	1.16	229.7
14:00	0.009828	15.5	15.4	.00	29.24	990.3	859.4	1.23	222.9
15:00	0.00831	13.3	13.1	.00	29.24	990.1	849.4	1.22	262.4
16:00	0.006798	10.9	10.7	.00	29.23	989.8	610.5	.88	260.3
17:00	0.006716	10.8	10.6	.00	29.22	989.6	431.6	.62	267.3
18:00	0.006167	10.0	9.7	.00	29.23	989.9	217.0	.31	263.1
19:00	0.006772	10.9	10.7	.00	29.25	990.4	70.4	.10	266.9
20:00	0.006597	10.9	10.4	.00	29.26	991.0	3.7	.01	257.6
21:00	0.006544	11.4	10.3	.00	29.28	991.6	-2.6	.00	249.3
22:00	0.006598	11.6	10.4	.00	29.30	992.2	-1.9	.00	289.2
23:00	0.006553	11.5	10.3	.00	29.30	992.4	-1.7	.00	275.8
Avg	0.009482	15.2	14.9	.00	29.23	989.9	279.1	.40	254.0
Max	0.012255	19.1	19.1	.00	29.30	992.4	866.5	1.24	289.2
Hr. of Max	07	07	07	23	23	23	12	12	22
Min	0.006167	10.0	9.7	.00	29.16	987.5	-3.2	.00	222.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/12/2015

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	245.5	240.7	242.2	242.5	11.9	8.9	6.5	3.0	6.2
01:00	253.6	246.3	247.6	247.9	16.6	9.7	5.9	2.6	5.2
02:00	232.5	229.8	234.0	232.3	12.4	6.9	5.8	2.9	5.9
03:00	244.0	242.3	247.2	243.9	15.7	11.9	6.0	2.4	4.5
04:00	238.0	239.7	261.3	241.5	16.5	11.2	8.8	1.5	3.1
05:00	243.3	257.7	259.2	258.1	28.7	17.6	13.3	1.9	3.0
06:00	266.4	276.3	250.6	276.5	14.4	11.5	9.6	2.0	3.9
07:00	279.1	281.9	270.6	281.5	18.2	14.7	10.4	2.2	3.8
08:00	285.4	288.5	275.3	287.3	39.7	29.5	21.6	2.5	3.9
09:00	286.4	283.0	280.9	282.1	38.8	31.0	24.3	4.0	5.7
10:00	272.9	275.2	267.3	275.0	35.7	26.7	21.6	4.1	6.0
11:00	246.3	244.2	250.3	245.2	28.8	25.3	24.4	5.0	6.6
12:00	233.8	235.5	232.0	237.2	29.9	25.1	21.8	6.0	8.0
13:00	234.7	234.0	235.8	235.7	29.6	26.2	22.4	5.4	7.2
14:00	231.2	231.6	229.8	233.7	27.5	20.4	15.6	7.1	9.8
15:00	269.8	272.7	267.5	272.3	30.3	24.0	19.4	6.8	9.5
16:00	265.6	267.7	264.9	268.1	28.5	22.1	17.1	7.1	9.9
17:00	275.6	278.8	271.7	278.3	35.3	26.5	21.1	4.5	6.5
18:00	273.8	277.8	267.9	277.7	24.7	17.5	15.1	4.0	5.9
19:00	278.8	285.8	270.4	284.7	25.4	18.7	16.5	2.9	4.8
20:00	275.7	285.4	261.2	284.7	24.6	21.4	17.2	2.3	3.6
21:00	266.8	279.0	253.7	279.0	17.3	15.7	14.7	2.2	3.5
22:00	297.1	305.9	288.1	303.3	29.5	18.5	17.5	1.3	2.5
23:00	315.4	327.7	274.8	323.7	36.7	36.9	18.3	1.3	1.9
Avg	262.0	265.0	258.0	266.0	25.7	19.9	15.6	.0	.0
Max	315.4	327.7	288.1	323.7	39.7	36.9	24.4	7.1	9.9
Hr. of Max	23	23	22	23	08	23	11	16	16
Min	231.2	229.8	229.8	232.3	11.9	6.9	5.8	1.3	1.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/12/2015

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	9.2	3.1	6.3	9.3	3.4	10.0	.4	1.1	.00
01:00	7.6	2.7	5.3	7.7	3.1	8.2	.9	1.5	-.02
02:00	8.5	3.0	5.9	8.5	3.5	9.2	-1.5	1.1	-.12
03:00	6.2	2.5	4.7	6.2	2.9	6.7	-1.7	1.1	-.13
04:00	4.7	1.8	3.6	5.0	2.2	5.3	-1.9	1.4	-.09
05:00	4.4	2.2	3.7	4.8	2.5	5.0	-2.1	1.3	-.14
06:00	5.6	2.1	4.1	5.8	2.5	5.9	-1.0	.9	-.06
07:00	5.7	2.3	4.0	5.8	2.6	5.9	-1.8	-.1	-.15
08:00	5.4	2.9	4.3	5.8	3.4	6.2	2.8	-1.6	-.04
09:00	7.0	4.8	6.3	7.6	5.4	8.1	-1.7	-1.9	-.46
10:00	7.0	5.0	6.7	7.7	5.6	8.2	-.5	-2.2	-.25
11:00	7.3	5.7	7.3	8.0	6.2	8.7	-2.3	.6	-.44
12:00	9.0	6.9	8.8	9.7	7.7	10.5	-.8	.6	-.31
13:00	8.7	6.1	7.9	9.2	6.9	10.0	.0	-.3	-.23
14:00	11.4	7.9	10.4	11.8	8.8	12.8	.3	.1	-.25
15:00	11.6	7.8	10.4	12.4	8.5	12.9	-.9	-2.0	-.52
16:00	12.4	8.1	10.8	13.1	8.8	13.8	-.6	-.8	-.51
17:00	8.5	5.3	7.4	9.3	6.1	9.9	-.2	-1.2	-.42
18:00	7.6	4.3	6.2	7.9	4.8	8.1	-.3	-.5	-.23
19:00	6.6	3.2	5.0	6.8	3.5	7.1	-.3	-2.0	-.15
20:00	5.1	2.5	3.9	5.3	2.9	5.6	-.5	-2.1	-.09
21:00	4.7	2.3	3.7	4.8	2.7	5.0	-1.5	-1.2	-.08
22:00	3.8	1.5	2.7	4.1	1.8	4.2	-1.0	-1.1	-.06
23:00	3.9	1.7	2.2	4.1	2.0	4.4	-.2	-2.7	-.01
Avg	.0	4.0	5.9	7.5	4.5	8.0	-.7	-.4	-.20
Max	12.4	8.1	10.8	13.1	8.8	13.8	2.8	1.5	.00
Hr. of Max	16	16	16	16	16	16	08	01	00
Min	3.8	1.5	2.2	4.1	1.8	4.2	-2.3	-2.7	-.52
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/12/2015

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	.16	8.0	12.8	17.9	7.4	15.3	8.3	4.8
01:00	.19	7.1	10.1	14.2	8.3	12.2	9.5	4.5
02:00	.15	7.6	10.3	13.5	8.0	14.4	7.9	3.5
03:00	.12	6.2	8.9	13.5	7.0	10.8	9.1	3.5
04:00	.11	4.6	7.3	12.4	5.6	12.5	7.6	3.5
05:00	.05	7.6	17.9	17.6	10.7	12.5	12.3	7.4
06:00	.04	6.4	8.0	11.7	4.7	10.4	9.5	7.0
07:00	-.09	6.4	7.3	10.5	7.8	10.5	13.4	8.5
08:00	-.47	11.7	12.1	14.0	12.5	15.6	23.5	17.0
09:00	-.74	13.3	15.3	15.6	15.6	16.9	22.7	18.8
10:00	-.53	13.3	16.5	15.6	14.1	15.3	19.8	14.3
11:00	-.20	14.7	14.9	16.9	17.0	18.9	18.4	17.1
12:00	-.13	16.0	27.5	26.6	17.2	18.9	17.2	13.4
13:00	-.27	18.1	19.5	19.5	19.0	20.8	18.4	15.4
14:00	-.18	19.0	23.8	21.8	19.6	22.4	17.3	11.1
15:00	-.77	21.3	24.5	24.5	23.0	26.3	18.9	12.5
16:00	-.47	20.8	25.2	29.5	25.1	24.9	18.9	11.9
17:00	-.54	14.4	15.6	18.5	18.0	20.5	21.7	15.6
18:00	-.27	11.7	14.2	20.6	14.2	17.2	18.5	11.8
19:00	-.36	10.5	14.9	14.2	10.8	15.4	19.4	12.8
20:00	-.40	8.0	11.7	13.3	8.8	14.0	16.8	13.4
21:00	-.19	5.5	8.2	10.3	6.0	11.1	10.1	11.5
22:00	-.18	8.0	8.0	11.2	5.4	9.5	15.5	13.2
23:00	-.33	5.0	8.7	10.1	5.1	10.5	14.0	12.9
Avg	-.22	11.1	14.3	16.4	12.1	15.7	15.4	11.1
Max	.19	21.3	27.5	29.5	25.1	26.3	23.5	18.8
Hr. of Max	01	15	12	16	16	15	08	09
Min	-.77	4.6	7.3	10.1	4.7	9.5	7.6	3.5
Count	24	24	24	24	24	24	24	24
Total								