Date Printed: 05/28/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/27/2015

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	20.0	19.9	19.9	20.0	-.10	-.10	.03	.00	.13
01:00	19.6	19.6	19.6	19.8	.07	.08	.23	.00	.15
02:00	18.8	18.9	18.9	19.1	.08	.09	.27	.01	.19
03:00	18.8	18.9	18.8	18.9	.02	-.02	.10	-.04	.08
04:00	18.8	18.9	18.9	19.0	.07	.05	.16	-.02	.09
05:00	18.5	18.7	18.7	18.8	.16	.15	.28	-.01	.12
06:00	18.4	18.5	18.6	18.7	.17	.20	.33	.02	.16
07:00	18.9	18.8	18.7	18.8	-.06	-.17	-.12	-.11	-.06
08:00	19.4	19.2	19.0	19.0	-.17	-.36	-.38	-.18	-.21
09:00	20.3	19.9	19.7	19.6	-.32	-.55	-.63	-.24	-.31
10:00	21.6 P	21.2 P	20.9 P	20.8 P	P	P	P	P	P
11:00	22.7	22.2	21.9	21.8	-.52	-.78	-.91	-.26	-.40
12:00	24.1	23.3	23.0	22.9	-.76	-1.10	-1.21	-.33	-.44
13:00	25.0	24.1	23.8	23.7	-.95	-1.24	-1.32	-.29	-.37
14:00	26.2	25.4	25.1	25.0	-.85	-1.15	-1.23	-.30	-.38
15:00	26.7	25.9	25.6	25.5	-.79	-1.14	-1.23	-.35	-.45
16:00	27.2	26.5	26.1	25.9	-.72	-1.12	-1.31	-.40	-.59
17:00	27.1	26.5	26.3	26.1	-.56	-.82	-.96	-.26	-.40
18:00	26.6	26.4	26.2	26.2	-.22	-.41	-.45	-.19	-.23
19:00	24.1	24.6	25.8	25.9	.45	1.65	1.74	1.20	1.29
20:00	22.1	23.0	24.0	24.5	.93	1.90	2.37	.97	1.44
21:00	21.0	21.7	22.1	23.2	.74	1.12	2.23	.38	1.49
22:00	20.4	21.2	21.8	22.6	.84	1.46	2.25	.61	1.40
23:00	19.9	20.7	21.4	21.9	.81	1.52	2.01	.72	1.20
Avg	21.9	21.8	21.9	22.0	-.07	-.03	.10	.04	.17
Max	27.2	26.5	26.3	26.2	.93	1.90	2.37	1.20	1.49
Hr. of Max	16	17	17	18	20	20	20	19	21
Min	18.4	18.5	18.6	18.7	-.95	-1.24	-1.32	-.40	-.59
Count	24	24	24	24	23	23	23	23	23
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/27/2015

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	19.1	19.2	19.4	23.6	96.7	97.9	16.4	16.5	0.014238
01:00	18.4	18.5	18.8	23.4	95.1	95.0	15.7	15.8	0.013617
02:00	17.5	17.5	17.9	23.3	93.9	93.8	14.9	14.9	0.012833
03:00	17.2	17.3	17.7	23.1	92.2	92.4	14.6	14.7	0.012608
04:00	17.1	17.1	17.7	22.9	91.3	91.1	14.5	14.5	0.012506
05:00	17.2	17.1	17.7	22.8	94.1	92.1	14.7	14.5	0.012625
06:00	17.4	17.1	17.7	22.6	96.0	93.4	14.8	14.5	0.012732
07:00	17.3	17.1	17.8	22.5	92.2	91.2	14.7	14.5	0.012646
08:00	17.3	17.2	18.0	22.4	89.6	90.0	14.7	14.6	0.012685
09:00	17.4	17.2	18.4	22.3	85.5	86.0	14.7	14.6	0.012752
10:00	P	P	P	22.3 P	77.7 P	77.7 P	P	P	P
11:00	17.4	16.8	19.2	22.4	73.6	73.2	14.6	14.1	0.012758
12:00	17.3	16.6	19.5	22.6	67.2	67.3	14.5	13.9	0.012671
13:00	17.0	16.3	19.6	23.0	62.5	63.2	14.2	13.6	0.012449
14:00	16.2	15.5	19.6	23.4	55.5	55.8	13.5	12.9	0.011908
15:00	16.4	15.8	19.8	23.8	54.5	54.8	13.6	13.1	0.012034
16:00	16.5	15.8	20.0	24.1	53.4	53.1	13.7	13.1	0.012115
17:00	16.7	16.0	20.2	24.3	54.4	53.8	13.9	13.3	0.012295
18:00	17.2	16.3	20.3	24.5	57.8	55.3	14.3	13.5	0.012679
19:00	18.9	17.4	20.6	24.6	74.4	66.2	16.0	14.6	0.014058
20:00	19.1	18.1	20.1	24.6	85.4	75.9	16.3	15.3	0.014289
21:00	18.9	18.5	19.6	24.5	90.0	83.9	16.1	15.7	0.014051
22:00	18.7	18.6	19.3	24.3	92.2	87.1	16.0	15.9	0.013877
23:00	18.5	19.0	18.9	24.1	93.5	92.2	15.7	16.3	0.013653
Avg	17.6	17.2	19.0	23.4	79.9	78.4	14.9	14.5	0.01296
Max	19.1	19.2	20.6	24.6	96.7	97.9	16.4	16.5	0.014289
Hr. of Max	20	00	19	20	00	00	00	00	20
Min	16.2	15.5	17.7	22.3	53.4	53.1	13.5	12.9	0.011908
Count	23	23	23	24	24	24	23	23	23
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

5/27/2015

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	0.014324	22.2	22.3	.00	29.26	991.0	-3.3	.00	225.9
01:00	0.013664	21.2	21.3	.00	29.26	991.0	-3.4	.00	238.4
02:00	0.012875	20.0	20.1	.00	29.26	990.9	-2.9	.00	227.2
03:00	0.012661	19.7	19.8	.00	29.25	990.7	-1.8	.00	223.1
04:00	0.012531	19.5	19.6	.00	29.25	990.7	-.9	.00	220.0
05:00	0.012488	19.7	19.5	.00	29.28	991.4	-1.4	.00	257.0
06:00	0.012521	19.9	19.6	.00	29.30	992.1	7.5	.01	256.3
07:00	0.012466	19.8	19.5	.00	29.30	992.2	57.9	.08	204.1
08:00	0.012601	19.8	19.7	.00	29.30	992.4	101.7	.15	229.7
09:00	0.012581	19.9	19.7	.00	29.31	992.7	248.8	.36	238.5
10:00	P	P	P	.00 P	29.32 P	992.8 P	369.0 P	.53 P	214.6 P
11:00	0.012289	20.0	19.2	.00	29.32	992.9	519.4	.74	227.0
12:00	0.012111	19.8	19.0	.00	29.32	993.0	747.5	1.07	216.7
13:00	0.011896	19.5	18.6	.00	29.31	992.6	875.2	1.25	213.1
14:00	0.011367	18.6	17.8	.00	29.29	991.8	845.6	1.21	224.6
15:00	0.011538	18.8	18.1	.00	29.27	991.4	734.3	1.05	197.0
16:00	0.011553	18.9	18.1	.00	29.26	990.8	548.2	.79	202.6
17:00	0.011755	19.2	18.4	.00	29.24	990.3	396.8	.57	255.7
18:00	0.011989	19.8	18.7	.00	29.24	990.1	278.1	.40	265.3
19:00	0.012842	21.9	20.0	.00	29.25	990.5	33.6	.05	292.4
20:00	0.013423	22.2	20.9	.00	29.24	990.3	6.2	.01	320.2
21:00	0.013705	21.9	21.4	.00	29.26	990.8	-1.8	.00	269.1
22:00	0.013812	21.6	21.5	.00	29.28	991.5	-3.3	.00	257.6
23:00	0.014155	21.3	22.1	.00	29.28	991.4	-2.1	.00	260.3
Avg	0.012659	20.2	19.8	.00	29.28	991.5	239.5	.34	238.0
Max	0.014324	22.2	22.3	.00	29.32	993.0	875.2	1.25	320.2
Hr. of Max	00	20	00	23	12	12	13	13	20
Min	0.011367	18.6	17.8	.00	29.24	990.1	-3.4	.00	197.0
Count	23	23	23	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/27/2015

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	236.9	230.4	232.3	232.4	23.7	11.5	7.7	.9	2.5
01:00	243.2	236.8	243.0	238.7	17.5	10.1	7.0	2.8	5.3
02:00	232.1	229.2	232.2	231.3	19.8	11.6	8.3	3.5	6.6
03:00	224.5	220.4	226.9	222.7	23.5	13.8	9.8	3.3	6.5
04:00	217.2	211.6	225.1	213.5	21.4	13.6	10.5	2.9	5.2
05:00	247.9	235.9	260.3	238.0	19.7	11.5	8.3	1.9	3.6
06:00	246.5	229.1	259.7	231.2	16.3	8.2	5.9	1.3	3.0
07:00	203.9	198.5	209.3	199.8	19.3	15.2	11.2	2.3	4.1
08:00	233.2	225.5	234.9	227.4	23.1	15.1	12.1	2.6	4.0
09:00	242.5	241.4	241.7	243.4	29.2	19.8	15.8	2.5	3.5
10:00	224.7 P	227.1 P	221.4 P	229.4 P	25.6 P	22.6 P	20.5 P	2.9 P	4.1 P
11:00	233.4	232.1	228.4	233.8	41.4	31.8	29.3	2.2	2.9
12:00	226.0	229.2	221.7	230.5	33.6	27.8	23.1	3.3	4.2
13:00	222.2	218.4	219.3	219.5	38.2	33.5	29.9	3.1	3.8
14:00	239.4	237.4	228.3	236.1	53.4	41.5	41.0	2.7	3.8
15:00	204.3	203.8	203.4	205.4	36.9	32.4	27.6	3.5	4.4
16:00	208.0	208.3	208.3	211.0	37.7	32.9	25.3	3.6	4.6
17:00	254.4	247.4	259.7	249.1	35.9	26.2	20.6	2.7	3.9
18:00	264.4	257.3	268.2	259.0	28.3	19.6	19.0	1.9	2.7
19:00	280.0	275.5	290.3	275.1	17.7	9.2	7.7	.9	2.3
20:00	39.5	78.3	321.1	73.6	50.5	43.5	41.9	.9	.9
21:00	241.8	232.5	276.0	231.4	25.2	16.9	44.9	.8	1.5
22:00	245.4	240.6	260.5	242.5	14.9	11.7	9.5	1.6	2.7
23:00	210.1	272.1	249.9	269.6	56.1	38.6	32.5	.8	1.4
Avg	234.0	230.0	241.0	232.0	29.5	21.6	19.6	.0	.0
Max	280.0	275.5	321.1	275.1	56.1	43.5	44.9	3.6	6.6
Hr. of Max	19	19	20	19	23	20	21	16	02
Min	39.5	78.3	203.4	73.6	14.9	8.2	5.9	.8	.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/27/2015

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	4.4	1.1	2.6	4.4	1.6	4.8	-.2	.6	-.02
01:00	7.3	2.9	5.3	7.3	3.3	7.8	-.1	1.7	-.09
02:00	9.3	3.7	6.8	9.4	4.2	10.1	.7	.9	-.07
03:00	8.9	3.5	6.6	9.0	4.2	9.7	1.4	.6	-.07
04:00	7.1	3.1	5.3	7.3	3.6	7.7	-.9	1.2	-.19
05:00	5.3	2.0	3.6	5.4	2.4	5.8	-1.6	.8	-.11
06:00	4.4	1.4	3.0	4.5	1.7	4.9	-1.7	-.2	-.06
07:00	5.7	2.6	4.3	5.8	3.1	6.2	-1.1	.6	-.12
08:00	5.3	2.9	4.2	5.5	3.4	5.9	-1.8	.0	-.19
09:00	4.2	2.7	3.7	4.3	3.3	4.8	2.4	-1.1	-.04
10:00	4.7 P	3.2 P	4.4 P	5.0 P	3.9 P	5.5 P	.5 P	-1.4 P	-.05 P
11:00	3.4	2.8	3.4	3.8	3.3	4.4	4.9	4.6	.16
12:00	4.8	3.9	4.7	5.3	4.4	5.8	1.7	-.2	-.04
13:00	4.4	3.9	4.6	5.0	4.4	5.6	-2.9	-.2	-.28
14:00	4.1	3.4	4.2	4.5	4.0	5.2	.1	7.9	-.09
15:00	5.2	4.5	5.5	6.1	5.1	6.7	-.3	-1.3	-.14
16:00	5.7	4.3	5.3	6.2	5.0	6.8	3.4	1.7	.15
17:00	4.8	3.4	4.5	5.3	3.8	5.7	1.1	.0	-.13
18:00	3.1	2.2	2.9	3.3	2.6	3.6	-2.1	-1.7	-.20
19:00	2.6	1.0	2.3	2.7	1.2	2.8	.3	1.6	-.01
20:00	.8	1.4	1.3	1.3	1.7	1.7	.3	1.9	-.01
21:00	1.4	1.1	1.6	1.6	1.4	1.9	-1.1	1.8	-.03
22:00	3.8	1.8	2.7	4.1	2.1	4.4	-.3	.9	-.03
23:00	1.7	.9	1.6	2.3	1.3	2.6	-.8	3.5	-.02
Avg	.0	2.7	3.9	5.0	3.1	5.4	.1	1.0	-.07
Max	9.3	4.5	6.8	9.4	5.1	10.1	4.9	7.9	.16
Hr. of Max	02	15	02	02	15	02	11	14	11
Min	.8	.9	1.3	1.3	1.2	1.7	-2.9	-1.7	-.28
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/27/2015

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	.05	4.6	6.2	7.6	5.2	8.3	9.6	4.2
01:00	.20	8.5	10.1	13.3	9.9	14.7	12.5	4.8
02:00	.10	11.2	13.5	19.7	11.2	20.3	14.6	5.9
03:00	.04	9.6	14.0	16.7	12.3	17.0	17.5	6.9
04:00	.10	11.0	12.8	13.7	12.0	14.2	16.0	7.4
05:00	.07	5.7	7.3	9.2	6.2	10.4	11.1	4.7
06:00	-.02	3.4	6.6	8.7	3.7	9.2	8.4	3.8
07:00	.00	8.2	10.5	12.4	9.4	12.8	13.5	9.0
08:00	-.05	9.2	10.5	10.8	9.6	11.0	14.7	8.4
09:00	-.18	6.9	7.3	8.5	8.1	9.6	20.5	13.4
10:00	-.26 P	<	<	<	<	<	<	<
11:00	.28	8.2	8.5	9.4	8.6	10.0	24.1	20.8
12:00	-.11	10.5	10.5	11.9	13.1	12.9	20.6	17.0
13:00	-.14	8.9	12.1	9.8	10.2	10.9	19.9	19.3
14:00	.37	12.8	15.8	16.0	12.5	13.5	24.3	26.1
15:00	-.20	12.4	18.5	16.9	13.5	16.0	18.3	16.6
16:00	.13	18.1	17.9	16.9	12.0	14.0	21.2	19.9
17:00	-.08	8.9	10.1	10.1	11.1	10.5	19.7	13.2
18:00	-.19	6.4	6.9	11.7	6.9	7.6	18.3	13.9
19:00	.07	5.3	5.7	5.7	3.0	4.8	9.1	4.0
20:00	.06	3.2	3.4	5.7	4.0	3.6	9.3	8.8
21:00	.07	4.4	4.4	3.7	3.8	4.0	10.8	8.2
22:00	.05	5.0	7.1	8.7	5.8	9.5	7.0	3.5
23:00	.09	4.8	5.5	6.4	3.6	5.7	13.1	16.4
Avg	.02	8.1	9.8	11.0	8.5	10.9	15.4	11.1
Max	.37	18.1	18.5	19.7	13.5	20.3	24.3	26.1
Hr. of Max	14	16	15	02	15	02	14	14
Min	-.26	3.2	3.4	3.7	3.0	3.6	7.0	3.5
Count	24	23	23	23	23	23	23	23
Total								