Date Printed: 05/04/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/3/2015

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	10.1	12.0	12.7	14.4	1.82	2.53	4.23	.71	2.40
01:00	9.3	11.2	11.5	12.6	1.83	2.17	3.22	.34	1.39
02:00	8.7	10.4	10.9	11.7	1.68	2.20	2.95	.52	1.27
03:00	7.8	9.5	10.0	11.1	1.68	2.13	3.23	.45	1.54
04:00	7.6	9.2	9.4	10.2	1.57	1.79	2.60	.22	1.03
05:00	7.8	9.0	9.3	9.8	1.24	1.54	2.01	.31	.77
06:00	7.6	8.6	8.8	9.6	1.01	1.22	1.96	.21	.95
07:00	7.9	8.7	8.9	9.2	.72	.92	1.28	.20	.56
08:00	11.2	10.9	10.6	10.6	-.29	-.51	-.58	-.23	-.29
09:00	14.6	14.1	13.8	13.7	-.51	-.77	-.85	-.26	-.34
10:00	17.5	16.9	16.6	16.5	-.59	-.88	-1.00	-.30	-.41
11:00	20.4	19.7	19.2	19.1	-.70	-1.13	-1.23	-.42	-.53
12:00	22.5	21.7	21.3	21.2	-.88	-1.18	-1.29	-.31	-.41
13:00	24.1	23.0	22.7	22.6	-1.10	-1.40	-1.50	-.30	-.40
14:00	24.8	23.8	23.5	23.4	-.99	-1.33	-1.40	-.34	-.40
15:00	25.3	24.4	24.0	23.9	-.92	-1.23	-1.41	-.32	-.49
16:00	25.4	24.6	24.3	24.1	-.74	-1.09	-1.23	-.35	-.49
17:00	25.3	24.7	24.4	24.2	-.56	-.89	-1.05	-.33	-.49
18:00	24.2	24.3	24.1	24.1	.10	-.06	-.08	-.15	-.17
19:00	20.7	22.1	23.0	23.4	1.38	2.24	2.62	.87	1.24
20:00	18.1	20.4	21.3	22.2	2.28	3.24	4.12	.96	1.84
21:00	15.8	18.2	18.9	19.8	2.40	3.08	3.98	.68	1.59
22:00	14.1	16.4	17.1	18.8	2.35	3.01	4.66	.66	2.31
23:00	12.9	15.0	15.6	17.2	2.10	2.67	4.29	.57	2.19
Avg	16.0	16.6	16.7	17.2	.62	.76	1.23	.14	.61
Max	25.4	24.7	24.4	24.2	2.40	3.24	4.66	.96	2.40
Hr. of Max	16	17	17	17	21	20	22	20	00
Min	7.6	8.6	8.8	9.2	-1.10	-1.40	-1.50	-.42	-.53
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/3/2015

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	7.6	8.0	8.4	17.2	85.2	77.9	8.0	8.2	0.006647
01:00	7.3	8.1	8.0	16.9	88.0	82.5	7.9	8.3	0.006511
02:00	7.2	8.1	7.7	16.6	90.9	86.2	7.8	8.2	0.006463
03:00	6.5	7.8	6.9	16.4	92.1	90.2	7.5	8.1	0.006159
04:00	6.4	7.7	6.8	16.1	93.1	91.5	7.4	8.1	0.006118
05:00	6.8	7.7	7.1	15.9	94.4	92.7	7.6	8.1	0.006279
06:00	6.6	7.4	7.0	15.6	94.6	92.9	7.6	7.9	0.006214
07:00	6.9	6.9	7.2	15.4	93.9	89.9	7.7	7.7	0.006311
08:00	8.3	7.5	9.2	15.2	83.6	80.6	8.4	7.9	0.006962
09:00	8.5	7.5	10.5	15.0	68.0	65.4	8.4	7.8	0.007087
10:00	8.0	7.3	11.2	15.1	54.9	54.3	8.1	7.7	0.00688
11:00	8.8	7.5	12.6	15.4	48.2	46.3	8.4	7.8	0.007259
12:00	8.3	7.4	13.0	16.1	41.0	40.6	8.1	7.7	0.007052
13:00	6.8	5.9	12.6	16.9	33.7	33.9	7.3	6.9	0.006383
14:00	5.8	5.0	12.1	17.8	30.3	30.4	6.8	6.5	0.005974
15:00	6.1	5.3	12.5	18.5	30.0	30.0	7.0	6.6	0.006097
16:00	6.2	5.4	12.6	18.8	30.0	29.7	7.0	6.7	0.006133
17:00	5.9	5.3	12.4	19.2	29.7	29.3	6.9	6.6	0.00603
18:00	7.2	5.8	12.8	19.4	34.9	31.2	7.6	6.8	0.006588
19:00	10.7	7.7	14.1	19.5	53.7	40.4	9.6	7.8	0.008284
20:00	10.5	8.1	13.0	19.4	62.1	46.0	9.5	8.0	0.008118
21:00	10.0	9.3	11.9	19.2	69.3	57.0	9.2	8.8	0.007832
22:00	9.6	9.8	11.1	19.0	75.4	65.9	9.1	9.1	0.007633
23:00	9.5	9.9	10.7	18.8	80.7	72.5	9.0	9.2	0.007572
Avg	7.7	7.4	10.5	17.2	64.9	60.7	8.0	7.8	0.006774
Max	10.7	9.9	14.1	19.5	94.6	92.9	9.6	9.2	0.008284
Hr. of Max	19	23	19	19	06	06	19	23	19
Min	5.8	5.0	6.8	15.0	29.7	29.3	6.8	6.5	0.005974
Count	24	24	24	24	24	24	24	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

5/3/2015

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	0.006863	10.5	10.8	.00	29.19	988.4	-1.9	.00	324.7
01:00	0.006904	10.2	10.9	.00	29.19	988.5	-1.6	.00	55.5
02:00	0.006866	10.2	10.8	.00	29.18	988.3	-2.4	.00	43.4
03:00	0.006758	9.7	10.6	.00	29.19	988.4	-1.7	.00	6.6
04:00	0.006687	9.6	10.5	.00	29.19	988.7	-2.1	.00	32.9
05:00	0.006704	9.9	10.5	.00	29.21	989.1	-1.8	.00	56.2
06:00	0.006536	9.8	10.3	.00	29.22	989.6	.9	.00	69.1
07:00	0.006338	9.9	10.0	.00	29.24	990.4	71.9	.10	86.4
08:00	0.006582	11.0	10.4	.00	29.26	990.9	312.7	.45	101.8
09:00	0.006592	11.2	10.4	.00	29.27	991.3	527.9	.76	100.6
10:00	0.006543	10.8	10.3	.00	29.27	991.4	715.3	1.03	51.1
11:00	0.006665	11.4	10.5	.00	29.27	991.2	867.8	1.24	147.0
12:00	0.006608	11.1	10.4	.00	29.26	990.9	954.6	1.37	147.2
13:00	0.006	10.1	9.5	.00	29.25	990.5	1016.3	1.46	221.7
14:00	0.005649	9.4	8.9	.00	29.23	990.1	958.8	1.37	213.0
15:00	0.00577	9.6	9.1	.00	29.22	989.4	908.6	1.30	233.9
16:00	0.005806	9.7	9.1	.00	29.20	988.8	688.1	.99	239.0
17:00	0.00575	9.5	9.1	.00	29.19	988.6	419.7	.60	233.8
18:00	0.005966	10.4	9.4	.00	29.19	988.5	194.0	.28	233.0
19:00	0.006774	13.0	10.7	.00	29.20	988.7	58.5	.08	293.0
20:00	0.006926	12.7	10.9	.00	29.20	989.0	3.9	.01	337.0
21:00	0.007494	12.3	11.8	.00	29.22	989.6	-3.1	.00	20.2
22:00	0.007755	12.0	12.2	.00	29.24	990.3	-2.6	.00	327.3
23:00	0.007799	11.9	12.3	.00	29.25	990.6	-.9	.00	342.5
Avg	0.006597	10.7	10.4	.00	29.22	989.6	320.0	.46	27.0
Max	0.007799	13.0	12.3	.00	29.27	991.4	1016.3	1.46	342.5
Hr. of Max	23	19	23	23	11	10	13	13	23
Min	0.005649	9.4	8.9	.00	29.18	988.3	-3.1	.00	6.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/3/2015

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	123.9	251.4	290.3	259.0	38.1	19.9	26.7	.4	.6
01:00	59.0	60.5	57.2	57.0	25.2	14.0	5.6	.7	1.5
02:00	55.5	51.9	60.5	48.0	36.6	16.4	8.3	1.1	1.9
03:00	86.3	49.7	10.3	45.3	28.4	20.1	10.2	.4	.9
04:00	65.2	64.7	33.6	61.1	13.7	8.5	5.1	1.0	2.2
05:00	49.4	55.9	59.0	52.0	14.3	6.2	3.6	1.5	2.7
06:00	63.3	58.7	72.9	55.2	10.2	4.4	2.9	1.5	2.9
07:00	70.7	58.5	94.7	54.6	21.7	11.6	6.7	.7	1.9
08:00	86.3	58.8	108.4	56.4	31.5	36.1	34.3	1.3	1.2
09:00	85.2	71.7	103.6	67.9	25.6	25.4	26.1	2.1	2.2
10:00	60.0	61.0	53.1	56.5	49.2	41.5	41.7	1.3	1.4
11:00	124.2	109.6	151.9	107.6	45.4	52.8	48.4	1.3	1.3
12:00	156.0	159.7	155.6	159.2	55.9	51.2	45.9	2.2	2.3
13:00	222.6	217.1	225.0	217.7	61.2	50.9	46.7	3.1	4.0
14:00	225.3	228.4	217.7	229.8	48.0	39.6	36.3	3.9	4.7
15:00	241.9	234.7	238.8	237.4	49.5	50.3	50.7	2.6	3.4
16:00	238.2	237.2	244.2	237.8	41.0	43.0	39.1	3.9	4.8
17:00	238.4	234.7	238.6	237.3	35.2	29.4	21.4	4.0	5.5
18:00	234.4	233.3	236.0	235.0	22.1	15.6	12.6	2.5	4.0
19:00	252.0	242.4	291.2	243.9	15.6	12.2	6.0	.9	2.0
20:00	209.0	218.1	336.3	220.9	29.0	51.0	28.2	.6	.3
21:00	62.4	67.9	31.7	65.1	60.9	8.9	4.8	.1	1.3
22:00	81.1	78.7	314.5	77.2	52.1	16.9	12.0	.2	.4
23:00	60.9	18.1	349.7	12.3	49.7	20.6	37.2	.1	.8
Avg	104.0	89.0	30.0	77.0	35.8	26.9	23.4	.0	.0
Max	252.0	251.4	349.7	259.0	61.2	52.8	50.7	4.0	5.5
Hr. of Max	19	00	23	00	13	11	15	17	17
Min	49.4	18.1	10.3	12.3	10.2	4.4	2.9	.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)

5/3/2015

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	.6	1.4	1.4	.8	1.8	1.2	1.4	.01
01:00	3.2	.8	1.5	3.3	1.0	3.6	2.0	.4	.03
02:00	3.7	1.2	2.1	3.7	1.4	4.1	1.9	.0	.04
03:00	2.0	.7	1.1	2.0	1.0	2.4	3.2	.0	.04
04:00	3.5	1.1	2.2	3.5	1.3	3.9	.8	.9	-.02
05:00	4.0	1.6	2.7	4.1	1.7	4.4	.7	.5	.02
06:00	4.9	1.5	2.9	4.9	1.8	5.3	.7	.2	.01
07:00	3.7	.8	2.0	3.7	1.1	4.1	.3	-1.8	.01
08:00	1.1	1.4	1.4	1.3	2.1	1.9	8.8	8.8	.31
09:00	2.3	2.3	2.5	2.6	2.7	3.1	-1.2	-5.6	-.07
10:00	1.4	1.9	1.9	1.9	2.4	2.7	-8.0	-12.5	-.40
11:00	1.6	1.8	1.6	1.9	2.5	2.6	-4.2	-3.5	-.11
12:00	2.5	3.6	3.7	3.8	4.3	4.5	-1.5	-.4	-.15
13:00	4.3	4.4	4.9	5.1	5.2	6.0	1.3	.8	-.02
14:00	5.3	5.2	6.0	6.3	5.8	7.2	-.2	2.0	-.11
15:00	3.8	4.0	4.8	5.1	4.8	6.0	-1.3	3.4	-.12
16:00	5.4	5.4	6.2	6.9	5.9	7.6	-.7	.4	-.23
17:00	6.7	4.7	6.1	7.1	5.3	7.8	-1.9	-4.0	-.29
18:00	5.0	2.8	4.3	5.3	3.3	5.7	1.1	1.7	-.01
19:00	3.4	.9	2.0	3.5	1.2	3.8	1.2	.1	.03
20:00	1.1	.7	.9	1.1	.9	1.4	.7	.9	.00
21:00	1.4	.2	1.3	1.4	.5	1.7	2.6	-.9	.03
22:00	.4	.2	.4	.5	.5	.9	2.9	-.2	.04
23:00	.4	.2	.8	.4	.5	.9	4.0	-.9	.05
Avg	.0	2.0	2.7	3.4	2.4	3.9	.6	-.3	-.04
Max	6.7	5.4	6.2	7.1	5.9	7.8	8.8	8.8	.31
Hr. of Max	17	16	16	17	16	17	08	08	08
Min	.3	.2	.4	.4	.5	.9	-8.0	-12.5	-.40
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/3/2015

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	3.0	3.4	3.9	3.2	4.1	7.4	3.4
01:00	.04	2.3	2.7	5.0	2.5	5.4	7.6	2.5
02:00	.02	3.0	3.7	6.9	3.0	7.5	7.8	3.1
03:00	.00	2.5	2.1	3.0	2.6	3.2	8.2	5.2
04:00	.06	3.0	4.8	5.7	3.4	6.2	7.1	2.4
05:00	.04	3.7	7.8	9.8	2.7	5.8	7.0	2.1
06:00	.02	3.9	4.8	8.5	3.0	6.8	7.0	2.0
07:00	-.13	3.2	7.1	9.6	3.4	6.4	12.9	6.4
08:00	.29	4.4	4.6	4.8	5.2	4.3	22.3	22.2
09:00	-.37	6.2	5.5	6.0	9.5	7.3	23.0	22.7
10:00	-.65	6.6	7.8	5.5	6.0	6.3	26.7	30.8
11:00	-.19	6.0	5.5	6.0	7.9	7.0	27.0	35.4
12:00	.08	9.8	9.2	10.8	9.4	11.5	22.4	27.1
13:00	-.05	13.3	15.6	15.6	12.6	16.8	25.6	28.7
14:00	.07	18.5	17.6	16.7	18.0	16.2	22.0	23.3
15:00	.18	12.1	14.2	14.7	13.1	16.1	24.1	26.3
16:00	-.04	14.7	14.2	15.1	15.5	16.9	20.5	19.5
17:00	-.60	17.2	24.7	24.7	14.0	17.0	18.3	15.7
18:00	.09	11.0	16.0	19.9	12.0	12.4	14.7	10.5
19:00	.00	2.1	3.9	8.0	2.5	5.9	8.6	3.4
20:00	.03	2.1	2.1	6.2	2.0	3.6	7.4	6.0
21:00	-.03	1.6	3.4	2.5	1.7	2.9	8.2	2.9
22:00	-.01	2.7	3.4	5.0	1.7	2.9	7.7	6.2
23:00	-.02	1.1	2.1	1.6	1.5	2.1	8.5	9.2
Avg	-.05	6.4	7.8	9.0	6.5	8.1	14.7	13.2
Max	.29	18.5	24.7	24.7	18.0	17.0	27.0	35.4
Hr. of Max	08	14	17	17	14	17	11	11
Min	-.65	1.1	2.1	1.6	1.5	2.1	7.0	2.0
Count	24	24	24	24	24	24	24	24
Total								