Date Printed: 05/25/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/24/2016

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	12.3	14.4	15.0	16.3	2.04	2.63	3.95	.59	1.91
01:00	11.8	13.7	14.0	15.3	1.96	2.28	3.50	.31	1.54
02:00	11.2	13.2	13.6	14.4	2.05	2.39	3.19	.34	1.14
03:00	10.3	12.0	12.5	13.1	1.72	2.16	2.76	.44	1.04
04:00	10.1	11.8	12.4	13.2	1.72	2.31	3.11	.59	1.39
05:00	9.6	10.9	11.6	12.5	1.30	1.98	2.86	.68	1.57
06:00	9.5	11.0	11.5	12.2	1.54	2.05	2.74	.51	1.20
07:00	10.8	11.4	11.7	12.1	.54	.90	1.31	.36	.76
08:00	15.0	14.7	14.5	14.5	-.27	-.47	-.54	-.20	-.27
09:00	18.1	17.5	17.2	17.0	-.56	-.87	-1.01	-.31	-.45
10:00	20.5	19.8	19.5	19.3	-.69	-1.05	-1.23	-.37	-.54
11:00	22.6	21.7	21.3	21.2	-.93	-1.30	-1.43	-.37	-.50
12:00	24.0	22.9	22.6	22.5	-1.09	-1.40	-1.52	-.31	-.42
13:00	25.3	24.2	23.8	23.7	-1.14	-1.47	-1.57	-.33	-.42
14:00	26.7	25.5	25.0	24.9	-1.26	-1.70	-1.87	-.44	-.60
15:00	27.1	26.0	25.6	25.5	-1.06	-1.46	-1.59	-.41	-.53
16:00	27.5	26.7	26.3	26.2	-.80	-1.19	-1.32	-.40	-.52
17:00	27.7	27.0	26.7	26.5	-.64	-1.00	-1.21	-.35	-.57
18:00	27.5	27.1	26.8	26.6	-.35	-.68	-.85	-.33	-.50
19:00	24.2	26.0	26.2	26.2	1.81	1.93	2.00	.13	.19
20:00	20.9	23.2	24.4	24.9	2.30	3.44	3.94	1.14	1.64
21:00	18.7	21.3	22.1	23.1	2.65	3.42	4.46	.77	1.81
22:00	17.4	20.0	20.3	22.2	2.65	2.93	4.80	.29	2.15
23:00	16.4	18.8	18.9	20.4	2.32	2.50	3.93	.17	1.61
Avg	18.6	19.2	19.3	19.7	.66	.76	1.18	.10	.53
Max	27.7	27.1	26.8	26.6	2.65	3.44	4.80	1.14	2.15
Hr. of Max	17	18	18	18	22	20	22	20	22
Min	9.5	10.9	11.5	12.1	-1.26	-1.70	-1.87	-.44	-.60
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)

5/24/2016

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	9.9	9.9	10.7	20.1	86.2	75.6	9.3	9.2	0.007803
01:00	9.8	9.9	10.4	19.8	88.7	79.0	9.2	9.3	0.007733
02:00	9.5	10.0	10.1	19.5	90.5	81.8	9.1	9.3	0.007593
03:00	9.1	10.0	9.5	19.3	93.1	88.8	8.8	9.4	0.007362
04:00	9.0	10.3	9.3	19.0	93.9	91.9	8.8	9.6	0.007314
05:00	8.6	10.0	9.0	18.7	94.9	95.6	8.6	9.4	0.007151
06:00	8.6	10.2	8.9	18.4	95.4	96.1	8.6	9.5	0.007133
07:00	9.8	10.0	10.1	18.2	94.8	92.4	9.3	9.3	0.007744
08:00	12.0	11.2	13.0	18.0	83.6	80.5	10.6	10.0	0.008975
09:00	12.3	11.3	14.2	17.8	70.6	68.3	10.7	10.0	0.00919
10:00	11.8	10.6	14.7	17.8	58.3	56.2	10.3	9.5	0.008861
11:00	11.0	9.8	14.9	18.0	48.9	47.7	9.7	9.0	0.008447
12:00	11.5	10.4	15.6	18.4	46.4	46.1	10.0	9.3	0.008715
13:00	10.5	9.3	15.4	19.0	40.4	39.9	9.4	8.7	0.008217
14:00	10.6	9.3	16.0	19.7	37.3	36.9	9.4	8.6	0.008258
15:00	10.2	9.0	15.8	20.1	35.7	35.1	9.1	8.5	0.008057
16:00	9.8	8.6	15.7	20.5	34.0	32.7	8.9	8.2	0.007891
17:00	10.1	8.9	15.9	20.9	34.2	32.8	9.1	8.4	0.008016
18:00	10.7	9.6	16.3	21.3	36.0	34.2	9.4	8.8	0.008325
19:00	13.3	10.7	16.9	21.4	52.1	39.1	11.2	9.4	0.009861
20:00	13.8	12.2	16.2	21.5	65.1	51.0	11.7	10.5	0.010164
21:00	13.4	12.9	15.2	21.4	72.9	60.0	11.5	11.0	0.009884
22:00	13.4	13.3	14.7	21.2	78.8	66.5	11.5	11.4	0.009843
23:00	13.2	13.4	14.3	21.0	82.5	72.1	11.4	11.4	0.009717
Avg	10.9	10.5	13.5	19.6	67.3	62.5	9.8	9.5	0.008427
Max	13.8	13.4	16.9	21.5	95.4	96.1	11.7	11.4	0.010164
Hr. of Max	20	23	19	20	06	06	20	23	20
Min	8.6	8.6	8.9	17.8	34.0	32.7	8.6	8.2	0.007133
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)

5/24/2016

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	0.007819	12.2	12.2	.00	29.13	986.6	-2.5	.00	33.9
01:00	0.007837	12.1	12.3	.00	29.13	986.5	-1.9	.00	55.0
02:00	0.007852	11.9	12.3	.00	29.13	986.5	-2.4	.00	59.6
03:00	0.00787	11.5	12.3	.00	29.14	986.7	-1.8	.00	310.5
04:00	0.008019	11.5	12.6	.00	29.14	986.9	-3.6	-.01	49.4
05:00	0.007857	11.2	12.3	.00	29.17	987.9	-2.5	.00	235.6
06:00	0.007963	11.2	12.5	.00	29.20	988.8	8.0	.01	308.8
07:00	0.007809	12.2	12.3	.00	29.22	989.7	110.7	.16	58.2
08:00	0.008489	14.1	13.3	.00	29.24	990.2	351.7	.50	73.1
09:00	0.008578	14.4	13.5	.00	29.25	990.4	570.4	.82	92.3
10:00	0.008181	13.9	12.9	.00	29.25	990.5	756.7	1.08	160.7
11:00	0.007784	13.3	12.2	.00	29.25	990.6	893.4	1.28	227.6
12:00	0.008111	13.7	12.7	.00	29.25	990.4	954.8	1.37	208.4
13:00	0.007578	12.9	11.9	.00	29.23	989.9	1026.9	1.47	230.3
14:00	0.007582	13.0	11.9	.00	29.22	989.6	1008.3	1.45	233.8
15:00	0.007436	12.6	11.7	.00	29.20	988.9	928.9	1.33	224.8
16:00	0.007235	12.4	11.4	.00	29.18	988.1	595.7	.85	250.2
17:00	0.007412	12.6	11.6	.00	29.18	988.1	508.7	.73	237.2
18:00	0.007737	13.1	12.1	.00	29.18	988.2	319.5	.46	220.2
19:00	0.008309	15.4	13.0	.00	29.18	988.2	150.2	.22	257.4
20:00	0.009157	15.9	14.3	.00	29.19	988.6	13.5	.02	319.1
21:00	0.009574	15.5	15.0	.00	29.20	988.9	-3.5	-.01	11.0
22:00	0.009816	15.4	15.4	.00	29.22	989.5	-3.2	.00	30.8
23:00	0.009828	15.2	15.4	.00	29.23	989.8	-2.4	.00	40.1
Avg	0.00816	13.2	12.8	.00	29.20	988.7	340.6	.49	294.0
Max	0.009828	15.9	15.4	.00	29.25	990.6	1026.9	1.47	319.1
Hr. of Max	23	20	23	23	12	11	13	13	20
Min	0.007235	11.2	11.4	.00	29.13	986.5	-3.6	-.01	11.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/24/2016

Interval: 001h

	41_WDir_035m	42_WDir_060m	46_SWDir_015m	50_Sigma_015m	51_Sigma_035m	52_Sigma_060m	55_RWSpd_015m	56_RWSpd_035m	57_RWSpd_060m
Hour	DEG	DEG	DEG	DEG	DEG	DEG	MPH	MPH	MPH
00:00	61.8	63.8	34.9	25.4	42.9	38.5	1.3	2.0	1.7
01:00	63.7	60.4	58.7	18.1	6.3	4.4	1.4	2.6	4.8
02:00	73.6	55.6	64.3	20.0	13.7	3.5	1.2	2.0	3.9
03:00	78.0	69.5	303.8	31.5	18.7	6.2	.4	.9	2.7
04:00	52.8	45.5	50.7	36.1	18.9	9.6	.9	2.0	3.5
05:00	193.3	324.7	240.1	61.2	48.4	42.2	1.2	.5	1.0
06:00	89.1	73.8	306.9	41.0	33.5	11.9	.4	1.3	2.1
07:00	69.1	90.2	59.4	38.0	43.4	16.5	.3	1.3	2.3
08:00	64.5	58.3	81.7	34.2	25.4	21.7	1.7	2.1	2.6
09:00	83.9	75.7	96.3 +	45.8	41.2	34.1	1.2	1.2	1.4
10:00	175.3	173.9	166.8 +	37.3	34.1	36.9	2.3	2.5	2.8
11:00	230.4	226.6	233.8	35.7	28.2	21.6	4.0	5.2	6.2
12:00	224.9	225.2	214.7	35.1	29.6	27.3	4.3	5.3	5.9
13:00	263.3	258.7	241.3	60.3	46.8	42.3	1.1	1.4	1.5
14:00	247.4	248.9	239.6	54.4	53.7	54.4	3.4	4.2	4.6
15:00	237.8	236.3	230.4	46.0	43.2	34.0	3.1	4.2	4.9
16:00	255.7	251.7	254.5	47.2	38.8	35.3	2.8	3.8	4.3
17:00	241.1	239.4	239.9	35.9	27.7	23.2	3.6	5.0	5.6
18:00	223.5	216.0	221.2	36.3	29.2	21.7	2.3	3.3	4.3
19:00	194.4	189.1	253.8	31.2	20.4	12.8	.6	1.4	2.9
20:00	61.3	131.0	319.4	16.7	59.5	21.3	.8	.3	1.1
21:00	64.2	110.0	24.5	28.6	35.4	17.8	.5	1.3	.5
22:00	69.7	50.5	32.2	29.1	6.9	15.4	.7	1.5	1.4
23:00	73.4	47.9	44.4	16.2	7.1	14.1	.7	1.7	2.1
Avg	115.0	109.0	290.0	35.9	31.4	23.6	.0	.0	.0
Max	263.3	324.7	319.4	61.2	59.5	54.4	4.3	5.3	6.2
Hr. of Max	13	05	20	05	20	14	12	12	11
Min	52.8	45.5	24.5	16.2	6.3	3.5	.3	.3	.5
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)

5/24/2016

Interval: 001h

	58_WSpd_015m	59_WSpd_035m	60_WSpd_060m	66_HSSpd_015m	67_HSSpd_060m	70_WElev_015m	71_WElev_060m	72_VSSpd_015m	73_VSSpd_060m
Hour	MPH	MPH	MPH	MPH	MPH	DEG	DEG	MPH	MPH
00:00	1.4	2.3	2.0	1.5	2.2	1.0	1.7	.02	.08
01:00	1.4	2.7	4.8	1.6	5.0	1.4	1.7	.02	.15
02:00	1.2	2.1	3.9	1.5	4.1	2.9	.4	.08	.03
03:00	.8	1.0	2.7	1.1	2.9	.7	.7	.01	.04
04:00	1.1	2.1	3.5	1.3	3.7	2.9	1.9	.07	.10
05:00	1.8	2.1	2.4	2.1	2.6	.8	2.0	.02	.11
06:00	1.4	1.6	2.4	1.6	2.6	1.2	1.0	.03	.10
07:00	1.9	2.2	2.4	2.2	2.8	-2.0	-.6	-.14	-.04
08:00	2.0	2.3	2.8	2.4	3.2	5.1	5.7	.13	.21
09:00	1.9	2.0	2.1	2.4	2.7	.6	2.7	.06	.04
10:00	2.8	3.0	3.3	3.4	3.8	4.5	-2.3	.23	-.17
11:00	4.7	5.7	6.6	5.2	7.1	-1.1	-4.3	-.27	-.62
12:00	5.1 >	6.0 >	6.6 >	5.7	7.2	-1.3	-.4	-.24	-.16
13:00	3.8	4.3	4.4	4.4	5.1	-3.8	-6.0	-.35	-.59
14:00	4.3	5.4	6.0	5.0	6.8	-1.2	-1.0	-.24	-.24
15:00	3.9	4.9	5.5	4.7	6.2	-1.6	-6.7	-.20	-.83
16:00	3.9	4.8	5.2	4.5	5.8	-1.0	1.5	-.15	.06
17:00	4.2	5.5	5.9	4.9	6.5	-.6	.8	-.23	-.11
18:00	2.7	3.6	4.5	3.3	5.0	5.8	1.7	.22	.03
19:00	1.0	1.5	3.0	1.3	3.1	2.2	.8	.05	.03
20:00	.9	.7	1.3	1.0	1.6	-.3	-1.8	-.02	-.05
21:00	.5	1.3	.7	.7	1.0	2.2	-1.7	.03	-.01
22:00	.9	1.5	1.5	1.0	1.8	3.4	1.4	.06	.04
23:00	.7	1.8	2.2	.9	2.4	3.9	1.0	.06	.04
Avg	2.3	2.9	3.6	2.7	4.0	1.1	.0	-.03	-.07
Max	5.1	6.0	6.6	5.7	7.2	5.8	5.7	.23	.21
Hr. of Max	12	12	12	12	12	18	08	10	08
Min	.5	.7	.7	.7	1.0	-3.8	-6.7	-.35	-.83
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/24/2016

Interval: 001h

	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	82_SPkWsH_015m	83_SPkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	86_SonicTemp_015m	87_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	4.1	4.1	5.3	4.3	5.1	9.1	5.3	15.0	16.9
01:00	3.2	6.9	8.9	3.6	7.1	7.7	3.1	14.3	15.8
02:00	2.7	3.4	7.6	3.3	5.5	8.1	2.5	13.9	14.8
03:00	1.8	4.6	7.1	2.5	4.5	7.4	3.8	12.6	13.6
04:00	2.7	3.9	7.1	2.7	5.8	8.2	4.2	12.4	13.7
05:00	4.4	5.3	5.0	4.8	5.2	6.4	7.1	11.5	13.1
06:00	3.2	6.0	7.3	3.4	4.6	8.1	5.9	11.7	12.7
07:00	4.8	5.3	6.6	5.3	6.9	10.4	9.5	12.0	12.6
08:00	4.6	5.5	11.0	5.5	6.7	23.7	20.8	15.6	15.0
09:00	5.5	5.7	5.7	6.7	6.1	29.0	30.4	18.3	17.6
10:00	7.8	7.8	8.0	9.1	8.2	25.7	25.4	20.4	19.5
11:00	12.1	12.4	15.6	14.1	16.9	21.2	16.2	22.0	21.1
12:00	10.8	14.0	12.8	12.3	13.9	18.5	18.9	23.2	22.4
13:00	14.4	15.6	13.7	12.5	12.4	23.4	27.9	24.6	23.8
14:00	11.2	15.3	15.1	12.3	15.0	23.0	22.1	25.8	24.7
15:00	14.0	14.0	14.7	15.7	17.0	26.2	24.2	26.2	25.3
16:00	9.8	12.4	10.5	10.6	12.3	21.5	19.5	26.9	26.0
17:00	11.0	14.2	14.7	11.5	13.1	20.1	16.8	27.2	26.4
18:00	7.6	8.7	10.3	8.8	12.4	24.2	17.6	27.4	26.6
19:00	6.0	5.3	5.5	4.0	5.3	15.7	9.8	26.5	26.4
20:00	3.2	2.3	5.5	2.1	3.6	7.6	8.3	23.8	25.2
21:00	2.3	3.0	2.5	2.5	2.9	8.5	12.9	22.0	23.7
22:00	2.1	2.7	2.7	1.8	3.1	8.0	11.1	20.8	22.8
23:00	1.8	4.8	3.9	2.0	4.1	7.9	5.8	19.6	21.1
Avg	6.3	7.6	8.6	6.7	8.2	15.4	13.7	19.7	20.0
Max	14.4	15.6	15.6	15.7	17.0	29.0	30.4	27.4	26.6
Hr. of Max	13	13	11	15	15	09	09	18	18
Min	1.8	2.3	2.5	1.8	2.9	6.4	2.5	11.5	12.6
Count	24	24	24	24	24	24	24	24	24
Total									