Date Printed: 10/12/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/11/2016

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	12.0	13.0	13.3	13.9	1.07	1.38	1.95	.31	.88
01:00	10.9	12.5	12.8	13.4	1.54	1.93	2.45	.39	.90
02:00	9.1	11.0	11.6	12.5	1.87	2.43	3.35	.56	1.48
03:00	8.7	10.5	11.3	12.4	1.84	2.64	3.73	.80	1.88
04:00	8.2	10.0	10.4	11.8	1.84	2.23	3.54	.40	1.70
05:00	8.0	9.6	10.1	11.0	1.63	2.10	3.03	.47	1.40
06:00	8.3	9.4	10.0	10.5	1.18	1.72	2.26	.54	1.08
07:00	7.4	8.9	9.4	10.1	1.49	2.04	2.75	.55	1.26
08:00	8.3	9.0	9.4	9.8	.74	1.06	1.53	.32	.80
09:00	11.8	11.4	11.2	11.3	-.40	-.59	-.46	-.19	-.06
10:00	16.1	15.2	14.9	14.8	-.84	-1.16	-1.28	-.32	-.44
11:00	18.9	18.0	17.7	17.6	-.84	-1.14	-1.26	-.31	-.42
12:00	21.0	19.9	19.5	19.4	-1.11	-1.51	-1.63	-.39	-.51
13:00	22.8	21.5	21.2	21.1	-1.29	-1.60	-1.75	-.31	-.46
14:00	24.2	22.9	22.6	22.4	-1.26	-1.62	-1.76	-.36	-.50
15:00	25.0	23.9	23.5	23.4	-1.14	-1.50	-1.68	-.36	-.54
16:00	25.3	24.4	24.0	23.9	-.88	-1.23	-1.37	-.35	-.49
17:00	25.0	24.5	24.2	24.1	-.54	-.80	-.92	-.26	-.39
18:00	21.5	23.2	23.7	23.8	1.66	2.21	2.24	.56	.58
19:00	16.9	19.8	21.0	22.1	2.98	4.11	5.19	1.13	2.21
20:00	14.0	17.2	17.9	19.3	3.19	3.90	5.29	.71	2.10
21:00	12.1	15.0	15.9	17.5	2.98	3.88	5.49	.91	2.51
22:00	10.6	13.1	14.3	15.8	2.53	3.75	5.21	1.23	2.68
23:00	9.6	11.9	13.6	15.9	2.31	4.09	6.32	1.78	4.01
Avg	14.8	15.7	16.0	16.6	.86	1.18	1.76	.33	.90
Max	25.3	24.5	24.2	24.1	3.19	4.11	6.32	1.78	4.01
Hr. of Max	16	17	17	17	20	19	23	23	23
Min	7.4	8.9	9.4	9.8	-1.29	-1.62	-1.76	-.39	-.54
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/11/2016

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	6.9	6.9	8.6	20.0	72.1	67.3	7.6	7.6	0.00631
01:00	6.7	6.7	8.1	19.9	75.9	68.8	7.5	7.5	0.006201
02:00	6.3	6.8	7.3	19.7	83.4	76.3	7.4	7.6	0.006046
03:00	6.3	7.0	7.1	19.5	85.7	79.5	7.4	7.7	0.006033
04:00	6.2	7.0	6.9	19.3	88.1	82.4	7.3	7.7	0.006001
05:00	6.4	7.3	6.9	19.1	90.5	86.3	7.4	7.8	0.006055
06:00	6.8	7.3	7.3	18.8	91.6	87.4	7.6	7.9	0.006257
07:00	5.8	7.0	6.3	18.6	90.9	88.8	7.2	7.7	0.005836
08:00	6.4	6.7	7.0	18.4	88.8	86.5	7.4	7.6	0.006069
09:00	8.0	7.1	9.3	18.3	78.7	76.0	8.2	7.7	0.006787
10:00	8.3	7.6	10.9	18.2	61.1	61.4	8.2	7.9	0.006935
11:00	6.4	5.8	10.5	18.2	45.0	45.6	7.2	7.0	0.006112
12:00	5.9	5.4	11.0	18.4	38.3	39.6	7.0	6.7	0.00595
13:00	4.7	4.4	10.8	18.7	31.6	33.3	6.4	6.3	0.005491
14:00	4.4	4.1	11.0	19.2	28.4	30.1	6.2	6.1	0.005373
15:00	4.0	3.6	11.0	19.7	26.3	27.4	6.0	5.9	0.005246
16:00	3.9	3.5	11.0	20.1	25.8	26.4	6.0	5.8	0.005224
17:00	3.8	3.3	10.9	20.4	26.0	25.9	6.0	5.8	0.005175
18:00	5.9	3.3	11.1	20.6	37.5	28.0	7.0	5.8	0.00598
19:00	6.2	4.4	9.7	20.7	50.1	36.9	7.1	6.3	0.006032
20:00	5.6	4.8	8.4	20.7	58.0	44.7	6.9	6.5	0.005804
21:00	5.6	5.8	7.8	20.6	65.7	55.0	7.0	7.0	0.005795
22:00	5.7	5.8	7.3	20.4	72.4	62.1	7.0	7.0	0.005795
23:00	5.6	5.9	6.9	20.2	77.0	67.6	7.0	7.1	0.00575
Avg	5.9	5.7	8.9	19.5	62.0	57.6	7.1	7.0	0.005927
Max	8.3	7.6	11.1	20.7	91.6	88.8	8.2	7.9	0.006935
Hr. of Max	10	10	18	20	06	07	10	10	10
Min	3.8	3.3	6.3	18.2	25.8	25.9	6.0	5.8	0.005175
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)

10/11/2016

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	0.006324	10.0	10.0	.00	29.37	994.8	-2.4	.00	68.1
01:00	0.006226	9.8	9.9	.00	29.38	994.8	-2.0	.00	65.4
02:00	0.006274	9.6	9.9	.00	29.39	995.3	-2.0	.00	309.0
03:00	0.006334	9.6	10.0	.00	29.39	995.4	-2.1	.00	49.8
04:00	0.006349	9.5	10.1	.00	29.40	995.6	-2.4	.00	53.3
05:00	0.006444	9.6	10.2	.00	29.41	996.0	-2.4	.00	48.4
06:00	0.006466	9.9	10.2	.00	29.42	996.2	-2.0	.00	64.0
07:00	0.006307	9.3	10.0	.00	29.43	996.8	3.0	.00	37.3
08:00	0.006208	9.6	9.9	.00	29.45	997.4	86.5	.12	86.5
09:00	0.006383	10.8	10.1	.00	29.46	997.7	297.7	.43	118.3
10:00	0.006609	11.0	10.5	.00	29.47	997.9	534.8	.77	143.1
11:00	0.005878	9.7	9.3	.00	29.46	997.6	642.8	.92	192.8
12:00	0.005732	9.4	9.1	.00	29.44	997.0	720.3	1.03	202.6
13:00	0.005355	8.7	8.5	.00	29.41	995.8	792.9	1.14	225.2
14:00	0.005282	8.5	8.4	.00	29.37	994.5	775.5	1.11	158.9
15:00	0.005109	8.3	8.1	.00	29.34	993.7	665.6	.95	163.0
16:00	0.00506	8.3	8.0	.00	29.32	993.1	504.0	.72	224.8
17:00	0.004997	8.2	7.9	.00	29.31	992.7	299.9	.43	146.8
18:00	0.004978	9.5	7.9	.00	29.31	992.7	61.2	.09	269.5
19:00	0.005359	9.5	8.5	.00	29.31	992.7	-.4	.00	332.9
20:00	0.005487	9.2	8.7	.00	29.32	992.8	-1.9	.00	352.1
21:00	0.005887	9.2	9.3	.00	29.32	993.0	-1.7	.00	324.0
22:00	0.005874	9.2	9.3	.00	29.33	993.3	-3.1	.00	241.9
23:00	0.005888	9.1	9.3	.00	29.34	993.6	-2.2	.00	298.7
Avg	0.005867	9.4	9.3	.00	29.38	995.0	223.3	.32	90.0
Max	0.006609	11.0	10.5	.00	29.47	997.9	792.9	1.14	352.1
Hr. of Max	10	10	10	23	10	10	13	13	20
Min	0.004978	8.2	7.9	.00	29.31	992.7	-3.1	.00	37.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/11/2016

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	53.7	59.0	73.6	47.6	14.3	5.7	4.6	1.3	3.5
01:00	50.2	53.0	69.3	40.5	24.7	11.5	6.2	1.3	3.1
02:00	72.3	68.2	322.0	54.6	45.5	21.7	16.3	.3	.9
03:00	45.2	66.0	52.7	54.7	17.4	11.1	7.1	2.0	3.0
04:00	67.6	59.9	57.8	48.3	18.9	8.8	7.3	1.3	2.5
05:00	64.4	79.0	50.5	67.9	17.2	11.5	9.1	2.0	3.4
06:00	50.3	59.1	68.8	47.8	15.8	6.3	5.0	1.7	3.7
07:00	67.8	59.6	50.7	48.1	51.9	15.4	5.3	.6	2.1
08:00	58.1	58.6	120.1	44.0	31.5	14.7	15.3	.4	1.6
09:00	78.0	58.2	136.9	43.5	42.9	40.6	24.2	.6	.7
10:00	115.5	95.5	147.7	80.5	33.8	41.7	38.8	1.5	1.4
11:00	211.0	209.6	201.5	207.2	46.4	39.8	41.8	1.5	1.7
12:00	214.2	210.4	210.2	204.0	60.2	47.6	39.0	2.1	2.6
13:00	229.8	220.2	218.3	217.7	66.9	59.6	59.7	1.4	1.9
14:00	173.7	174.7	163.8	170.1	49.0	42.8	32.1	2.3	2.5
15:00	171.0	167.8	175.2	162.7	58.1	53.5	45.2	1.9	2.2
16:00	246.8	244.5	230.4	237.0	55.4	53.9	49.6	2.1	2.6
17:00	157.7	153.8	162.2	154.9	39.8	44.8	44.2	1.5	1.8
18:00	239.5	220.1	270.3	216.4	20.8	18.7	16.9	1.1	1.8
19:00	48.8	268.5	326.7	265.1	22.2	38.8	41.6	.2	.5
20:00	56.4	109.1	324.4	124.1	24.0	12.5	8.9	.0	.7
21:00	47.5	157.6	269.1	222.8	41.2	20.4	15.8	.2	.1
22:00	264.8	232.3	251.5	228.4	21.9	32.9	14.1	.4	.5
23:00	285.8	238.3	332.5	232.3	25.2	29.3	6.4	.4	.8
Avg	87.0	126.0	142.0	124.0	35.2	28.5	23.1	.0	.0
Max	285.8	268.5	332.5	265.1	66.9	59.6	59.7	2.3	3.7
Hr. of Max	23	19	23	19	13	13	13	14	06
Min	45.2	53.0	50.5	40.5	14.3	5.7	4.6	.0	.1
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)

10/11/2016

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	5.2	1.4	3.5	5.3	1.6	5.5	1.0	-.4	.01
01:00	4.6	1.5	3.1	4.6	1.6	4.8	2.1	.9	.02
02:00	1.6	.7	1.0	1.7	1.1	2.0	2.1	.5	.04
03:00	3.6	2.1	3.0	3.6	2.2	3.8	3.1	1.6	.10
04:00	3.4	1.4	2.6	3.5	1.6	3.7	2.7	1.0	.06
05:00	3.7	2.1	3.5	3.7	2.2	3.9	-.5	-.3	-.04
06:00	5.0	1.8	3.8	5.0	2.0	5.2	2.3	-.1	.07
07:00	4.0	.8	2.2	4.0	1.1	4.3	.6	1.1	.01
08:00	2.3	.5	1.7	2.4	.9	2.6	2.7	-.1	.05
09:00	1.8	.7	.9	1.9	1.2	2.2	-.3	.3	.05
10:00	1.3	1.8	1.7	1.8	2.5	2.4	7.4	5.8	.32
11:00	2.0	2.5	2.5	2.6	3.1	3.3	-2.2	-1.8	-.07
12:00	3.3	3.4	3.6	4.1	4.0	4.9	.7	-7.4	-.09
13:00	2.3	3.1	3.3	3.3	3.6	4.1	3.4	3.3	.18
14:00	2.9	3.5	3.7	3.8	4.0	4.6	-1.6	-5.1	-.12
15:00	2.4	3.1	3.2	3.4	3.7	4.2	5.2	3.0	.41
16:00	3.0	2.9	3.5	3.8	3.6	4.5	-.9	-1.6	-.17
17:00	1.8	2.3	2.5	2.5	2.8	3.1	-2.5	-2.3	-.14
18:00	2.8	1.3	2.0	3.0	1.6	3.2	2.9	.8	.07
19:00	.8	.3	1.3	1.2	.5	1.4	3.7	-.2	.05
20:00	.1	.0	.7	.1	.3	.5	2.2	-1.0	.02
21:00	.4	.3	.1	.4	.5	.9	1.6	-.9	.02
22:00	2.1	.5	1.0	2.2	.8	2.4	3.0	.2	.05
23:00	3.7	.5	1.0	3.8	.8	4.0	1.1	.2	.01
Avg	.0	1.6	2.3	3.0	2.0	3.4	1.7	-.1	.04
Max	5.2	3.5	3.8	5.3	4.0	5.5	7.4	5.8	.41
Hr. of Max	00	14	06	00	14	00	10	10	15
Min	.1	.0	.1	.1	.3	.5	-2.5	-7.4	-.17
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/11/2016

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	86_SonicTemp_015m	87_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	-.03	3.2	6.0	8.0	8.8	2.4	13.5	14.1
01:00	.05	4.4	8.5	8.2	11.5	3.6	12.9	13.5
02:00	.04	2.5	2.7	3.4	9.1	7.8	11.4	12.7
03:00	.12	3.7	5.5	6.6	7.5	3.4	10.9	12.7
04:00	.06	4.4	5.7	6.9	8.5	3.9	10.5	12.0
05:00	-.01	4.6	7.1	7.3	7.6	3.4	10.1	11.3
06:00	-.01	3.4	6.9	10.1	7.4	2.2	9.9	10.9
07:00	.07	2.7	7.1	9.4	8.7	2.7	9.3	10.4
08:00	.00	2.3	3.4	6.4	11.4	4.3	9.5	10.1
09:00	.01	3.0	3.4	4.8	26.4	18.0	12.1	11.7
10:00	.22	4.8	5.3	5.0	28.2	33.1	15.8	15.1
11:00	-.08	6.9	7.8	7.6	27.2	32.8	18.3	17.6
12:00	-.66	9.4	9.6	10.3	26.2	27.0	20.0	19.1
13:00	.19	9.2	9.4	10.5	28.8	32.5	21.7	20.8
14:00	-.41	8.0	8.5	14.9	24.8	29.7	22.9	22.1
15:00	.24	9.8	9.4	9.4	27.8	32.9	23.9	23.1
16:00	-.26	9.8	9.8	9.6	26.9	26.2	24.4	23.6
17:00	-.30	9.4	11.0	8.9	22.4	30.7	24.6	23.9
18:00	.02	5.3	5.3	6.6	11.9	7.9	23.3	23.5
19:00	-.01	2.5	3.4	5.7	8.8	8.6	19.9	22.0
20:00	-.01	1.1	2.1	2.1	6.6	7.3	17.4	19.4
21:00	-.01	1.1	1.4	2.1	5.0	3.1	15.3	17.7
22:00	.00	2.7	3.0	3.7	6.6	4.0	13.4	16.1
23:00	.02	3.7	3.7	6.6	6.2	2.3	12.2	16.2
Avg	-.03	4.9	6.1	7.3	15.2	13.7	16.0	16.7
Max	.24	9.8	11.0	14.9	28.8	33.1	24.6	23.9
Hr. of Max	15	16	17	14	13	10	17	17
Min	-.66	1.1	1.4	2.1	5.0	2.2	9.3	10.1
Count	24	24	24	24	24	24	24	24
Total								