Date Printed: 09/06/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/5/2016

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	19.3	20.9	21.3	22.0	1.53	2.01	2.71	.47	1.18
01:00	19.4	20.5	21.1	22.6	1.12	1.70	3.22	.58	2.10
02:00	19.0	20.1	20.3	21.5	1.10	1.33	2.57	.23	1.47
03:00	18.2	19.6	19.7	20.8	1.42	1.58	2.60	.17	1.18
04:00	17.6	18.9	19.1	19.7	1.24	1.47	2.05	.23	.81
05:00	16.9	18.1	18.5	19.0	1.19	1.58	2.04	.39	.86
06:00	16.6	17.8	18.1	18.6	1.25	1.52	2.00	.27	.74
07:00	16.9	17.8	17.9	18.3	.90	1.07	1.38	.17	.48
08:00	19.2	19.0	18.8	18.8	-.22	-.41	-.37	-.19	-.14
09:00	22.3	21.7	21.4	21.3	-.64	-.92	-1.05	-.28	-.41
10:00	24.7	23.8	23.5	23.3	-.84	-1.18	-1.33	-.34	-.49
11:00	27.2	26.0	25.7	25.6	-1.21	-1.49	-1.64	-.28	-.43
12:00	28.9	27.5	27.0	26.9	-1.43	-1.88	-2.03	-.45	-.60
13:00	30.1	28.7	28.2	28.1	-1.45	-1.85	-1.96	-.41	-.51
14:00	30.6	29.5	29.1	29.0	-1.12	-1.48	-1.61	-.36	-.49
15:00	31.5	30.3	30.0	29.9	-1.11	-1.45	-1.55	-.34	-.44
16:00	32.1	31.0	30.6	30.4	-1.06	-1.49	-1.70	-.43	-.63
17:00	32.2	31.4	31.1	30.9	-.85	-1.16	-1.34	-.32	-.49
18:00	31.0	31.0	30.9	30.8	.08	-.11	-.16	-.19	-.24
19:00	26.8	28.5	29.3	29.7	1.70	2.58	2.91	.88	1.22
20:00	23.6	25.8	27.0	27.6	2.25	3.40	4.03	1.15	1.78
21:00	21.8	24.1	24.7	25.9	2.30	2.90	4.12	.60	1.81
22:00	20.6	22.7	23.0	23.7	2.07	2.39	3.04	.31	.97
23:00	19.8	21.7	22.2	23.4	1.91	2.36	3.58	.45	1.67
Avg	23.6	24.0	24.1	24.5	.42	.52	.90	.10	.48
Max	32.2	31.4	31.1	30.9	2.30	3.40	4.12	1.15	2.10
Hr. of Max	17	17	17	17	21	20	21	20	01
Min	16.6	17.8	17.9	18.3	-1.45	-1.88	-2.03	-.45	-.63
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)

9/5/2016

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	15.7	16.1	16.9	26.5	81.1	75.8	13.3	13.5	0.011427
01:00	16.2	16.4	17.3	26.3	83.3	78.7	13.7	13.8	0.011809
02:00	16.2	16.6	17.1	26.1	85.8	82.1	13.7	14.0	0.011808
03:00	15.9	16.4	16.7	25.8	88.5	83.4	13.5	13.8	0.011599
04:00	15.7	16.3	16.3	25.6	90.2	86.9	13.3	13.8	0.01141
05:00	15.3	16.3	15.8	25.4	91.6	91.0	13.0	13.8	0.011092
06:00	15.0	16.2	15.5	25.2	92.3	92.1	12.8	13.8	0.010913
07:00	15.6	16.3	16.0	25.0	93.8	92.9	13.3	13.8	0.011317
08:00	16.4	15.7	17.3	24.8	85.5	82.9	13.9	13.3	0.011939
09:00	16.7	16.3	18.6	24.7	72.4	73.0	14.0	13.7	0.012215
10:00	16.0	15.6	18.9	24.6	59.9	61.5	13.3	13.0	0.01165
11:00	16.2	15.9	19.9	24.7	52.3	54.9	13.4	13.2	0.011863
12:00	16.5	16.3	20.7	25.1	48.5	51.8	13.6	13.5	0.012145
13:00	15.8	15.7	20.6	25.6	43.2	46.6	13.0	12.9	0.011595
14:00	15.0	15.2	20.2	26.2	40.1	43.1	12.4	12.5	0.011078
15:00	13.2	13.2	19.3	26.7	34.1	36.1	11.0	11.0	0.009882
16:00	12.3	12.2	18.9	27.1	31.0	32.7	10.4	10.3	0.009316
17:00	10.5	10.1	17.7	27.3	27.2	27.8	9.2	9.0	0.008262
18:00	11.5	10.5	18.0	27.5	31.5	29.2	9.9	9.3	0.008837
19:00	15.0	13.3	18.9	27.6	50.0	40.6	12.5	11.2	0.011028
20:00	15.2	14.4	18.0	27.6	60.7	50.6	12.7	12.0	0.011124
21:00	15.1	14.7	17.4	27.4	67.2	57.1	12.7	12.3	0.011043
22:00	15.3	15.5	17.1	27.2	72.9	65.0	12.9	12.9	0.011131
23:00	15.5	15.6	17.0	27.0	78.1	69.6	13.1	13.1	0.011319
Avg	15.1	15.0	17.9	26.1	65.1	62.7	12.7	12.6	0.011075
Max	16.7	16.6	20.7	27.6	93.8	92.9	14.0	14.0	0.012215
Hr. of Max	09	02	12	20	07	07	09	02	09
Min	10.5	10.1	15.5	24.6	27.2	27.8	9.2	9.0	0.008262
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)

9/5/2016

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	0.011739	17.9	18.4	.00	29.29	991.9	-2.4	.00	68.5
01:00	0.011965	18.5	18.7	.00	29.29	991.9	-3.0	.00	71.0
02:00	0.0121	18.5	18.9	.00	29.29	992.0	-2.9	.00	59.2
03:00	0.011936	18.2	18.7	.00	29.29	991.9	-1.3	.00	52.2
04:00	0.011879	17.9	18.6	.00	29.30	992.2	-1.3	.00	13.5
05:00	0.011885	17.4	18.6	.00	29.30	992.4	-2.1	.00	4.1
06:00	0.01179	17.1	18.5	.00	29.32	992.8	-1.9	.00	28.9
07:00	0.011856	17.8	18.6	.00	29.34	993.5	26.8	.04	40.8
08:00	0.011405	18.7	17.9	.00	29.35	994.0	199.4	.29	133.0
09:00	0.01184	19.1	18.6	.00	29.36	994.3	417.5	.60	81.7
10:00	0.011374	18.3	17.9	.00	29.36	994.4	611.6	.88	84.8
11:00	0.011599	18.6	18.2	.00	29.36	994.2	759.9	1.09	223.7
12:00	0.011937	19.0	18.7	.00	29.34	993.5	868.7	1.25	198.5
13:00	0.011493	18.2	18.0	.00	29.32	993.0	911.9	1.31	232.6
14:00	0.01116	17.4	17.5	.00	29.30	992.3	625.8	.90	302.6
15:00	0.009825	15.5	15.4	.00	29.28	991.5	738.9	1.06	97.5
16:00	0.009241	14.6	14.5	.00	29.26	990.9	591.6	.85	61.9
17:00	0.008051	13.0	12.7	.00	29.25	990.4	422.1	.61	113.7
18:00	0.008279	13.9	13.0	.00	29.24	990.3	209.7	.30	232.1
19:00	0.009905	17.3	15.5	.00	29.24	990.4	41.6	.06	317.4
20:00	0.010595	17.4	16.6	.00	29.25	990.7	-1.6	.00	325.5
21:00	0.010772	17.3	16.9	.00	29.27	991.3	-2.0	.00	14.4
22:00	0.011278	17.4	17.7	.00	29.29	991.8	-1.5	.00	29.6
23:00	0.011354	17.7	17.8	.00	29.29	992.1	-1.9	.00	35.5
Avg	0.011052	17.4	17.3	.00	29.30	992.2	266.8	.39	46.0
Max	0.0121	19.1	18.9	.00	29.36	994.4	911.9	1.31	325.5
Hr. of Max	02	09	02	23	11	10	13	13	20
Min	0.008051	13.0	12.7	.00	29.24	990.3	-3.0	.00	4.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/5/2016

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	104.2	105.2	70.7	94.5	33.4	39.9	22.6	.2	1.1
01:00	60.7	57.9	75.0	46.4	10.7	9.2	5.8	1.7	2.3
02:00	70.1	65.8	64.0	54.4	21.6	7.4	5.0	1.0	2.5
03:00	61.1	60.9	55.7	49.2	21.0	14.0	7.0	1.2	2.2
04:00	74.9	62.4	11.0	50.0	51.4	15.2	6.1	.3	1.4
05:00	57.0	52.3	1.0	35.0	41.1	9.9	7.7	.3	1.2
06:00	87.3	67.0	28.2	53.1	36.2	15.1	7.5	.3	1.3
07:00	58.0	67.8	43.8	55.6	17.6	12.0	6.3	1.5	2.0
08:00	96.0	66.0	150.8	48.9	24.9	21.9	16.9	.7	.9
09:00	69.2	61.8	85.3	50.8	26.4	24.6	22.4	2.9	3.1
10:00	77.0	69.1	88.3	55.6	48.5	38.9	34.0	1.9	1.9
11:00	239.4	240.2	229.9	232.5	55.7	53.2	42.6	2.2	2.6
12:00	211.7	210.2	205.8	203.3	54.6	49.0	40.9	2.8	3.5
13:00	244.7	244.0	238.9	238.2	59.0	51.5	52.3	2.4	3.0
14:00	327.6	321.1	299.0	309.2	62.4	57.6	54.3	1.1	1.5
15:00	106.9	109.4	101.5	99.9	48.3	50.5	49.8	2.5	2.5
16:00	57.2	56.4	60.9	44.4	47.0	38.9	35.8	2.1	3.5
17:00	117.4	107.5	118.2	100.7	37.9	36.5	29.7	2.0	2.2
18:00	65.9	97.0	247.3	84.3	38.3	36.9	46.8	.5	.5
19:00	32.7	57.6	311.5	39.1	16.3	25.1	11.7	1.0	1.6
20:00	54.2	69.8	319.2	45.9	7.8	18.9	11.0	.7	.8
21:00	60.8	38.6	23.6	10.3	36.9	7.9	21.6	.3	1.2
22:00	66.8	70.5	35.5	55.7	36.6	7.8	8.1	.6	1.2
23:00	64.9	53.1	40.8	39.0	29.2	15.3	8.1	1.0	1.7
Avg	72.0	69.0	47.0	53.0	36.0	27.4	23.1	.0	.0
Max	327.6	321.1	319.2	309.2	62.4	57.6	54.3	2.9	3.5
Hr. of Max	14	14	20	14	14	14	14	09	16
Min	32.7	38.6	1.0	10.3	7.8	7.4	5.0	.2	.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)

9/5/2016

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	3.0	2.3	2.8	4.6	2.5	4.8	-.8	-.5	-.09
01:00	4.4	1.7	2.3	4.4	1.9	4.6	2.6	.7	.09
02:00	3.8	1.1	2.5	3.9	1.3	4.1	2.9	1.0	.06
03:00	3.2	1.3	2.3	3.2	1.4	3.5	.5	2.7	.01
04:00	2.5	.4	1.5	2.5	.7	2.7	2.4	1.6	.03
05:00	1.7	.5	1.2	1.7	.8	1.9	2.2	2.2	.03
06:00	1.9	.6	1.3	2.0	.8	2.2	2.4	.3	.04
07:00	2.8	1.6	2.1	2.8	1.7	3.0	.6	1.0	-.04
08:00	1.7	.8	1.0	1.7	1.3	2.0	3.0	-1.6	.12
09:00	3.6	3.2	3.4	3.8	3.6	4.3	4.1	8.7	.19
10:00	1.8	2.8	2.7	2.5	3.4	3.2	1.5	6.5	.09
11:00	3.0	3.6	3.9	4.0	4.1	4.7	-3.5	-1.9	-.34
12:00	4.0	4.0	4.8	5.1	4.7	5.8	2.1	2.2	.02
13:00	3.1	3.5	4.1	4.3	4.1	5.1	-5.6	-3.6	-.47
14:00	1.5	3.4	4.2	4.1	4.0	4.7	-1.0	-3.1	-.18
15:00	2.5	3.2	3.4	3.6	3.9	4.3	-5.9	-6.3	-.27
16:00	4.4	3.1	4.5	5.0	3.7	5.6	-.1	-2.5	-.15
17:00	2.7	2.7	3.0	3.4	3.3	3.9	-.2	-2.9	-.06
18:00	1.1	1.5	2.4	2.6	1.9	3.0	4.5	5.4	.14
19:00	2.4	1.0	1.7	2.6	1.2	2.8	-.5	.2	-.03
20:00	.5	.7	.9	.6	.8	1.0	2.1	.4	.03
21:00	.6	.3	1.2	.7	.5	1.1	2.7	.1	.03
22:00	1.9	.6	1.2	1.9	.8	2.2	3.4	-.1	.05
23:00	2.8	1.1	1.8	2.9	1.3	3.0	4.2	2.2	.10
Avg	.0	1.9	2.5	3.1	2.2	3.5	1.0	.5	-.03
Max	4.4	4.0	4.8	5.1	4.7	5.8	4.5	8.7	.19
Hr. of Max	16	12	12	12	12	12	18	09	09
Min	.5	.3	.9	.6	.5	1.0	-5.9	-6.3	-.47
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/5/2016

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	-.05	7.6	6.0	10.8	9.5	5.1	21.9	22.9
01:00	.07	3.7	5.5	8.0	7.0	2.2	21.7	23.5
02:00	.08	3.0	6.2	6.0	9.9	4.0	21.2	22.4
03:00	.17	2.7	4.6	6.4	9.6	9.1	20.7	21.7
04:00	.08	3.9	6.9	7.8	10.0	4.5	20.0	20.6
05:00	.07	1.8	4.1	5.5	9.5	7.1	19.2	19.9
06:00	.02	3.2	5.0	5.3	8.1	3.7	18.9	19.5
07:00	.03	3.4	3.9	4.4	13.1	7.5	18.9	19.1
08:00	-.03	4.1	4.6	6.9	19.6	17.9	20.2	19.8
09:00	.57	7.1	7.6	7.6	19.6	21.8	22.9	22.1
10:00	.44	7.6	7.3	6.4	23.5	29.1	24.9	24.1
11:00	-.32	10.3	11.7	10.8	23.3	28.1	26.9	26.1
12:00	.06	16.7	18.5	17.9	24.4	26.1	28.3	27.3
13:00	-.42	11.2	11.2	11.4	26.9	30.2	29.4	28.5
14:00	-.30	10.8	13.5	17.2	24.9	25.5	30.3	29.4
15:00	-.38	9.8	11.0	10.3	27.4	29.7	31.0	30.1
16:00	-.19	9.4	12.4	13.3	26.3	25.0	31.6	30.5
17:00	-.05	8.2	8.7	8.5	23.5	23.9	31.7	30.9
18:00	.26	5.3	6.4	6.6	23.3	20.5	31.5	30.9
19:00	.04	2.5	6.2	6.6	10.4	7.6	29.0	29.9
20:00	.00	3.2	2.3	1.6	6.6	6.2	26.5	28.1
21:00	.00	1.4	2.7	3.0	7.7	4.9	24.9	26.5
22:00	.00	1.8	2.1	3.4	6.6	3.2	23.6	24.4
23:00	.12	2.5	3.2	5.3	7.9	2.9	22.6	24.1
Avg	.01	5.9	7.2	8.0	15.8	14.4	24.9	25.1
Max	.57	16.7	18.5	17.9	27.4	30.2	31.7	30.9
Hr. of Max	09	12	12	12	15	13	17	18
Min	-.42	1.4	2.1	1.6	6.6	2.2	18.9	19.1
Count	24	24	24	24	24	24	24	24
Total								