Date Printed: 08/04/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/3/2016

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	21.7	22.7	23.3	24.4	1.05	1.66	2.75	.60	1.70
01:00	21.4	22.3	22.7	23.6	.84	1.30	2.17	.46	1.33
02:00	21.1	21.9	22.4	22.8	.74	1.27	1.66	.54	.92
03:00	20.8	21.7	22.0	22.5	.93	1.21	1.69	.28	.75
04:00	20.6	21.6	21.8	22.0	1.00	1.22	1.41	.21	.40
05:00	20.2	21.2	21.6	22.0	.96	1.36	1.74	.40	.77
06:00	20.1	20.9	21.3	21.6	.72	1.19	1.46	.47	.74
07:00	20.7	20.9	21.3	21.7	.14	.59	.93	.45	.79
08:00	23.4	23.1	22.9	22.8	-.34	-.52	-.56	-.18	-.22
09:00	26.1	25.5	25.1	25.0	-.65	-.98	-1.16	-.33	-.51
10:00	28.1	27.0	26.6	26.4	-1.07	-1.49	-1.66	-.42	-.59
11:00	29.4	28.3	28.0	27.8	-1.03	-1.38	-1.57	-.34	-.54
12:00	30.6	29.3	28.9	28.7	-1.27	-1.67	-1.82	-.40	-.55
13:00	31.1	29.9	29.6	29.5	-1.25	-1.55	-1.63	-.30	-.37
14:00	31.7	30.6	30.2	30.1	-1.16	-1.51	-1.63	-.35	-.47
15:00	32.5	31.3	31.0	30.9	-1.24	-1.50	-1.58	-.26	-.34
16:00	32.1	31.1	30.7	30.6	-.99	-1.34	-1.48	-.35	-.50
17:00	31.2	30.4	30.1	30.0	-.80	-1.12	-1.16	-.31	-.35
18:00	29.2	29.6	30.0	30.5	.40	.76	1.28	.36	.88
19:00	27.9	28.3	28.9	29.8	.45	1.03	1.88	.59	1.43
20:00	25.8	27.0	27.9	28.7	1.14	2.04	2.86	.90	1.72
21:00	24.4	26.0	26.5	27.5	1.60	2.12	3.09	.53	1.49
22:00	23.9	25.2	25.7	26.3	1.26	1.74	2.42	.48	1.15
23:00	23.1	24.3	24.9	25.9	1.20	1.74	2.72	.55	1.53
Avg	25.7	25.8	26.0	26.3	.11	.26	.58	.15	.47
Max	32.5	31.3	31.0	30.9	1.60	2.12	3.09	.90	1.72
Hr. of Max	15	15	15	15	21	21	21	20	20
Min	20.1	20.9	21.3	21.6	-1.27	-1.67	-1.82	-.42	-.59
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/3/2016

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	19.6	20.0	20.3	28.7	90.4	86.7	16.9	17.2	0.014811
01:00	19.6	20.2	20.2	28.5	91.7	90.2	16.9	17.4	0.014795
02:00	19.5	20.2	20.0	28.2	92.6	92.2	16.7	17.4	0.014686
03:00	19.3	20.4	19.8	28.0	93.2	94.3	16.5	17.6	0.014484
04:00	19.2	20.2	19.7	27.7	93.7	93.9	16.4	17.4	0.014391
05:00	18.9	20.2	19.4	27.5	94.2	96.3	16.2	17.5	0.014153
06:00	18.8	20.1	19.3	27.3	94.3	97.7	16.1	17.4	0.014051
07:00	19.3	19.8	19.8	27.1	93.6	96.1	16.5	17.1	0.014458
08:00	20.4	19.6	21.4	26.9	85.5	83.0	17.6	16.8	0.015531
09:00	20.8	20.2	22.6	26.7	74.6	74.8	17.9	17.3	0.015941
10:00	20.6	20.2	23.1	26.7	65.5	68.3	17.5	17.2	0.015754
11:00	19.6	19.0	22.9	26.9	57.4	58.7	16.5	15.9	0.014858
12:00	19.2	18.6	23.0	27.4	52.2	54.3	16.0	15.5	0.014463
13:00	19.5	19.1	23.4	28.0	51.7	54.2	16.3	16.0	0.014801
14:00	19.0	18.7	23.3	28.6	48.4	50.8	15.8	15.6	0.014363
15:00	18.9	18.7	23.5	29.0	46.2	48.8	15.7	15.6	0.014325
16:00	19.4	19.2	23.6	29.3	48.6	51.0	16.2	16.1	0.014719
17:00	19.5	19.6	23.4	29.5	51.8	54.4	16.4	16.4	0.014858
18:00	20.2	18.8	23.2	29.6	59.9	53.7	17.1	15.7	0.015425
19:00	20.6	19.7	23.0	29.6	66.5	61.1	17.6	16.6	0.015842
20:00	20.6	19.8	22.3	29.5	74.8	66.9	17.6	16.8	0.015781
21:00	20.4	20.7	21.7	29.3	80.7	74.7	17.5	17.7	0.015602
22:00	21.0	21.2	22.0	29.1	86.0	80.9	18.2	18.4	0.016186
23:00	20.9	21.1	21.6	28.9	89.3	84.6	18.1	18.3	0.016021
Avg	19.8	19.8	21.8	28.3	74.3	73.7	16.8	16.9	0.015012
Max	21.0	21.2	23.6	29.6	94.3	97.7	18.2	18.4	0.016186
Hr. of Max	22	22	16	19	06	06	22	22	22
Min	18.8	18.6	19.3	26.7	46.2	48.8	15.7	15.5	0.014051
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)

8/3/2016

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	0.015158	22.9	23.5	.00	29.12	986.2	-2.2	.00	314.6
01:00	0.015332	22.9	23.7	.00	29.12	986.2	-2.2	.00	285.5
02:00	0.015305	22.7	23.7	.00	29.11	985.7	-1.9	.00	276.6
03:00	0.015505	22.4	24.0	.00	29.10	985.5	-2.4	.00	2.6
04:00	0.015344	22.3	23.7	.00	29.10	985.6	-2.4	.00	11.0
05:00	0.015354	21.9	23.7	.00	29.10	985.6	-2.1	.00	309.5
06:00	0.015222	21.8	23.6	.00	29.12	986.0	1.6	.00	274.2
07:00	0.014976	22.4	23.2	.00	29.13	986.6	58.5	.08	232.3
08:00	0.01478	24.0	22.9	.00	29.14	987.0	273.4	.39	122.5
09:00	0.015384	24.7	23.8	.00	29.15	987.1	494.5	.71	53.3
10:00	0.015423	24.4	23.9	.00	29.14	986.9	707.9	1.01	8.8
11:00	0.014294	23.0	22.2	.00	29.14	986.8	772.2	1.11	101.6
12:00	0.013986	22.4	21.7	.00	29.13	986.6	884.2	1.27	117.4
13:00	0.014425	22.9	22.3	.00	29.12	986.0	722.7	1.04	266.2
14:00	0.014102	22.2	21.8	.00	29.10	985.6	722.9	1.04	290.9
15:00	0.014116	22.2	21.9	.00	29.08	984.9	781.6	1.12	259.6
16:00	0.01459	22.8	22.6	.00	29.07	984.4	486.0	.70	325.5
17:00	0.014902	23.0	23.0	.00	29.06	984.2	292.6	.42	326.9
18:00	0.014139	23.8	21.9	.00	29.06	984.2	131.8	.19	327.2
19:00	0.014944	24.4	23.1	.00	29.05	983.9	123.6	.18	284.6
20:00	0.015092	24.3	23.3	.00	29.05	983.9	5.4	.01	337.6
21:00	0.015875	24.1	24.5	.00	29.06	984.0	-2.1	.00	354.4
22:00	0.01642	25.0	25.3	.00	29.07	984.5	-2.5	.00	3.0
23:00	0.016324	24.7	25.2	.00	29.08	984.9	-2.1	.00	335.0
Avg	0.015041	23.2	23.3	.00	29.10	985.5	268.3	.39	323.0
Max	0.01642	25.0	25.3	.00	29.15	987.1	884.2	1.27	354.4
Hr. of Max	22	22	22	23	09	09	12	12	21
Min	0.013986	21.8	21.7	.00	29.05	983.9	-2.5	.00	2.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/3/2016

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	5.1	316.4	307.2	296.9	39.6	53.3	35.4	.7	.4
01:00	267.5	90.1	286.2	318.7	26.2	54.3	43.0	.8	.4
02:00	241.8	83.4	271.6	39.3	21.2	36.7	15.1	.8	.5
03:00	42.3	94.4	.6	80.8	29.7	24.6	12.7	.6	.5
04:00	46.5	63.4	10.9	48.2	38.3	17.5	10.6	.7	1.3
05:00	53.8	61.4	300.0	44.4	35.7	41.7	12.8	.3	1.0
06:00	4.5	68.5	270.2	24.0	29.9	33.1	10.4	.9	.2
07:00	246.6	87.7	237.1	272.0	23.7	14.7	23.6	1.4	1.2
08:00	95.9	83.1	140.8	63.6	34.8	45.6	27.3	.6	.9
09:00	36.6	41.7	52.9	23.3	65.5	57.7	41.8	.8	1.3
10:00	16.2	20.0	2.9	.1	59.6	50.0	42.5	1.4	2.2
11:00	87.0	78.2	100.1	63.2	43.6	46.7	43.4	2.6	2.5
12:00	121.6	118.8	124.3	108.7	55.6	44.4	38.0	2.2	2.4
13:00	272.4	273.3	266.3	266.4	53.0	50.6	51.2	2.4	2.8
14:00	298.0	298.0	289.2	284.8	48.0	33.1	38.7	1.8	2.4
15:00	268.0	262.6	269.4	258.4	62.9	54.3	52.3	1.8	2.6
16:00	343.5	346.3	324.1	331.1	36.3	25.7	23.3	2.5	3.4
17:00	339.8	339.3	327.0	325.3	26.7	17.1	12.5	3.1	4.9
18:00	334.0	334.6	325.5	320.2	15.4	8.7	5.1	3.0	5.5
19:00	282.8	339.3	281.0	319.0	32.2	63.7	39.9	.8	1.8
20:00	354.6	41.2	333.9	359.8	25.9	48.7	51.5	.8	.5
21:00	43.6	16.4	354.5	358.7	40.5	40.3	13.8	.6	1.5
22:00	59.9	66.9	2.7	53.4	22.3	9.8	6.5	.9	1.9
23:00	62.1	57.6	320.4	39.8	48.3	17.9	12.1	.5	1.0
Avg	3.0	38.0	317.0	.0	38.1	37.1	27.6	.0	.0
Max	354.6	346.3	354.5	359.8	65.5	63.7	52.3	3.1	5.5
Hr. of Max	20	16	21	20	09	19	15	17	18
Min	4.5	16.4	.6	.1	15.4	8.7	5.1	.3	.2
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)

8/3/2016

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	1.0	.8	1.1	1.7	1.1	2.0	1.7	1.2	.02
01:00	.4	1.0	.7	1.0	1.3	1.3	1.1	-.1	-.01
02:00	.2	.9	.7	.2	1.2	.7	.6	-1.7	.01
03:00	1.0	.8	1.1	1.1	1.0	1.4	2.2	-.3	.04
04:00	2.3	.9	1.4	2.4	1.1	2.6	2.7	2.2	.06
05:00	2.0	.7	1.1	2.1	1.0	2.3	1.8	1.6	.03
06:00	.5	1.1	.2	.5	1.3	1.0	-.4	-.6	.00
07:00	.0	1.5	1.3	.0	1.8	.5	-.9	.6	-.03
08:00	1.2	.8	1.1	1.4	1.3	1.8	4.0	.4	.09
09:00	1.7	1.5	1.9	2.2	2.1	2.8	4.7	3.5	.11
10:00	2.6	2.6	3.0	3.3	3.2	4.0	.6	7.5	-.03
11:00	2.5	3.2	3.2	3.3	3.9	3.9	4.1	7.4	.30
12:00	2.6	3.0	3.0	3.1	3.8	3.9	3.6	3.3	.15
13:00	2.8	3.4	3.6	3.5	3.8	4.1	-1.2	1.4	-.18
14:00	2.5	2.8	3.1	3.2	3.4	3.9	-4.2	-13.2	-.32
15:00	3.0	3.8	4.2	4.3	4.1	4.9	-6.9	-3.5	-.56
16:00	3.9	2.9	3.8	4.3	3.3	4.7	-3.0	-1.3	-.34
17:00	6.7	3.4	5.2	7.0	3.8	7.4	-4.8	-2.3	-.52
18:00	7.3	3.1	5.6	7.3	3.4	7.6	-1.1	.1	-.16
19:00	3.7	1.1	2.3	4.0	1.4	4.3	1.4	7.7	.03
20:00	1.0	1.2	1.3	1.8	1.3	2.1	1.8	6.2	.05
21:00	2.8	1.1	1.9	3.5	1.3	3.8	2.0	3.8	.06
22:00	3.0	1.0	1.9	3.0	1.2	3.2	.4	.7	.00
23:00	2.0	.6	1.1	2.0	.8	2.2	.0	1.1	-.01
Avg	.0	1.8	2.2	2.8	2.2	3.2	.4	1.1	-.05
Max	7.3	3.8	5.6	7.3	4.1	7.6	4.7	7.7	.30
Hr. of Max	18	15	18	18	15	18	09	19	11
Min	.0	.6	.2	.0	.8	.5	-6.9	-13.2	-.56
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/3/2016

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	.04	3.2	7.6	7.3	9.0	6.7	24.2	25.7
01:00	.01	3.2	3.0	4.6	10.9	15.2	23.8	24.9
02:00	-.02	2.5	2.3	1.6	6.8	9.1	23.4	24.1
03:00	.01	2.7	3.0	2.7	7.6	10.8	23.3	23.8
04:00	.10	2.7	3.7	4.1	8.5	4.1	23.1	23.3
05:00	.06	2.5	3.0	4.1	7.6	5.0	22.7	23.3
06:00	.00	2.5	1.1	3.4	5.3	6.3	22.3	22.8
07:00	.01	3.4	3.7	.9	11.7	7.8	22.4	23.0
08:00	-.03	3.7	3.9	4.8	27.3	19.3	24.8	24.2
09:00	.19	5.5	6.6	7.1	33.0	32.3	27.2	26.4
10:00	.60	7.8	7.1	7.1	29.5	28.4	28.7	27.8
11:00	.43	9.8	8.2	9.2	23.4	28.9	29.7	28.9
12:00	.40	9.2	9.8	9.4	28.5	30.6	30.5	29.7
13:00	.08	8.7	8.7	9.8	23.5	25.0	31.1	30.3
14:00	-.98	8.7	8.7	9.2	26.9	27.2	31.8	30.9
15:00	-.45	10.3	11.7	11.4	22.6	25.3	32.4	31.5
16:00	-.20	7.3	7.8	7.3	24.4	18.1	32.4	31.5
17:00	-.35	7.8	10.8	10.1	19.8	8.7	31.7	30.9
18:00	-.01	9.2	11.0	18.3	11.8	3.0	30.8	31.1
19:00	.55	6.0	7.3	14.0	13.7	7.4	29.7	30.6
20:00	.24	3.2	4.8	7.1	9.6	12.9	28.3	29.7
21:00	.30	2.7	4.6	7.1	9.2	8.1	27.5	28.8
22:00	.03	3.2	7.1	7.8	7.7	3.2	26.8	27.7
23:00	.05	2.1	2.3	5.3	7.0	4.0	25.9	27.2
Avg	.04	5.3	6.2	7.2	16.1	14.5	27.3	27.4
Max	.60	10.3	11.7	18.3	33.0	32.3	32.4	31.5
Hr. of Max	10	15	15	18	09	09	16	16
Min	-.98	2.1	1.1	.9	5.3	3.0	22.3	22.8
Count	24	24	24	24	24	24	24	24
Total								