Date Printed: 02/21/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

2/20/2017

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	5.8	7.6	8.4	9.9	1.75	2.56	4.04	.81	2.29
01:00	5.1	7.1	7.8	9.4	1.94	2.67	4.26	.72	2.31
02:00	4.9	6.5	7.1	8.1	1.60	2.19	3.21	.59	1.61
03:00	4.7	6.4	7.1	7.8	1.73	2.43	3.10	.69	1.37
04:00	4.6	5.9	6.6	7.6	1.26	1.99	2.98	.74	1.72
05:00	3.9	5.6	6.0	6.7	1.72	2.06	2.84	.34	1.12
06:00	3.1	5.2	5.6	6.3	2.05	2.51	3.16	.45	1.11
07:00	2.8	4.4	5.0	6.4	1.59	2.26	3.62	.66	2.03
08:00	5.4	5.6	6.0	6.9	.27	.65	1.57	.38	1.30
09:00	9.6	9.3	9.2	9.1	-.28	-.45	-.50	-.17	-.23
10:00	13.1	12.7	12.2	12.0	-.40	-.83	-1.10	-.43	-.70
11:00	15.7	15.2	14.9	14.6	-.46	-.80	-1.04	-.35	-.58
12:00	17.3	16.8	16.5	16.3	-.43	-.80	-.99	-.37	-.56
13:00	18.3	17.9	17.6	17.4	-.37	-.69	-.84	-.32	-.47
14:00	19.5	19.1	18.8	18.7	-.35	-.65	-.81	-.30	-.46
15:00	20.4	20.0	19.8	19.6	-.41	-.65	-.79	-.24	-.38
16:00	20.4	20.3	20.1	19.9	-.13	-.37	-.51	-.24	-.37
17:00	18.8	19.9	19.9	19.8	1.11	1.07	.97	-.04	-.14
18:00	15.8	18.1	18.6	19.0	2.28	2.80	3.21	.52	.92
19:00	13.5	15.9	16.8	17.7	2.41	3.33	4.23	.93	1.82
20:00	11.8	14.4	15.3	16.4	2.58	3.50	4.60	.92	2.02
21:00	11.2	13.2	14.3	16.3	2.00	3.14	5.09	1.14	3.09
22:00	10.4	12.3	13.3	14.6	1.87	2.90	4.24	1.03	2.38
23:00	9.6	11.5	12.4	13.8	1.89	2.80	4.22	.91	2.33
Avg	11.1	12.1	12.5	13.1	1.05	1.40	2.03	.35	.98
Max	20.4	20.3	20.1	19.9	2.58	3.50	5.09	1.14	3.09
Hr. of Max	16	16	16	16	20	20	21	21	21
Min	2.8	4.4	5.0	6.3	-.46	-.83	-1.10	-.43	-.70
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/20/2017

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	5.3	7.2	5.5	10.8	97.5	98.1	6.9	7.8	0.005669
01:00	4.6	6.6	4.8	10.7	97.5	98.1	6.6	7.6	0.005388
02:00	4.4	6.1	4.6	10.5	97.5	98.2	6.5	7.3	0.005304
03:00	4.2	6.0	4.4	10.3	97.4	98.4	6.4	7.3	0.005224
04:00	4.1	5.5	4.3	10.1	97.3	98.5	6.4	7.0	0.005198
05:00	3.4	5.3	3.6	9.9	97.4	98.4	6.1	6.9	0.004943
06:00	2.6	4.8	2.8	9.7	97.4	98.3	5.8	6.7	0.004667
07:00	2.3	4.0	2.4	9.5	97.3	98.3	5.7	6.4	0.004549
08:00	4.6	4.7	4.9	9.4	95.9	94.4	6.6	6.6	0.005392
09:00	6.9	6.2	7.8	9.2	84.5	82.0	7.7	7.3	0.006329
10:00	7.2	6.9	9.2	9.3	68.6	68.7	7.7	7.6	0.00647
11:00	7.5	6.9	10.2	9.4	59.0	58.3	7.8	7.5	0.006592
12:00	7.2	6.6	10.5	9.7	52.3	51.4	7.6	7.3	0.006484
13:00	6.9	6.3	10.7	10.0	48.4	47.3	7.5	7.2	0.006393
14:00	6.8	6.1	11.0	10.5	44.5	43.2	7.4	7.0	0.006354
15:00	5.6	4.6	10.5	10.9	38.6	37.0	6.8	6.4	0.005838
16:00	5.4	4.5	10.4	11.2	38.0	36.1	6.7	6.3	0.005757
17:00	6.3	4.4	10.4	11.5	44.9	36.8	7.1	6.3	0.006116
18:00	6.9	5.8	9.9	11.7	56.4	45.4	7.5	6.9	0.006367
19:00	6.5	6.6	8.8	11.7	63.5	54.8	7.4	7.3	0.006184
20:00	6.5	6.3	8.3	11.7	70.5	59.1	7.4	7.2	0.006159
21:00	6.7	6.9	8.2	11.6	74.9	66.5	7.5	7.6	0.006258
22:00	6.7	7.0	7.9	11.6	78.8	70.8	7.5	7.6	0.006258
23:00	6.7	7.0	7.7	11.4	82.8	74.6	7.5	7.7	0.006246
Avg	5.6	5.9	7.5	10.5	74.2	71.4	7.0	7.1	0.005839
Max	7.5	7.2	11.0	11.7	97.5	98.5	7.8	7.8	0.006592
Hr. of Max	11	00	14	20	02	04	11	00	11
Min	2.3	4.0	2.4	9.2	38.0	36.1	5.7	6.3	0.004549
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/20/2017

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	0.006431	8.9	10.1	.00	29.25	990.7	-2.4	.00	75.5
01:00	0.006201	8.5	9.8	.00	29.26	990.8	-2.4	.00	82.8
02:00	0.005975	8.4	9.4	.00	29.25	990.5	-2.3	.00	77.8
03:00	0.005952	8.2	9.4	.00	29.25	990.4	-2.3	.00	67.7
04:00	0.00574	8.2	9.1	.00	29.24	990.3	-2.8	.00	81.3
05:00	0.005634	7.8	8.9	.00	29.25	990.7	-2.4	.00	92.3
06:00	0.005444	7.4	8.6	.00	29.28	991.5	-2.2	.00	67.1
07:00	0.005145	7.2	8.1	.00	29.31	992.5	25.1	.04	104.0
08:00	0.005399	8.5	8.5	.00	29.32	992.8	192.9	.28	100.1
09:00	0.006032	10.0	9.5	.00	29.32	992.8	369.6	.53	92.6
10:00	0.006304	10.2	10.0	.00	29.31	992.6	513.3	.74	58.8
11:00	0.006328	10.4	10.0	.00	29.30	992.3	523.0	.75	77.6
12:00	0.006207	10.2	9.8	.00	29.27	991.3	497.4	.71	74.9
13:00	0.006107	10.1	9.6	.00	29.25	990.6	483.8	.69	113.5
14:00	0.006031	10.0	9.5	.00	29.23	989.8	471.9	.68	123.2
15:00	0.005463	9.2	8.6	.00	29.21	989.3	468.3	.67	150.4
16:00	0.005425	9.1	8.5	.00	29.20	988.7	211.0	.30	143.7
17:00	0.0054	9.6	8.5	.00	29.19	988.5	70.3	.10	160.7
18:00	0.005916	10.0	9.3	.00	29.19	988.7	2.9	.00	57.2
19:00	0.006227	9.7	9.8	.00	29.20	988.8	-2.3	.00	93.1
20:00	0.006107	9.7	9.6	.00	29.21	989.1	-2.2	.00	110.9
21:00	0.006338	9.9	10.0	.00	29.21	989.4	-1.8	.00	86.8
22:00	0.006371	9.9	10.0	.00	29.20	989.0	-3.2	.00	82.6
23:00	0.00639	9.8	10.1	.00	29.19	988.6	-2.2	.00	82.1
Avg	0.00594	9.2	9.4	.00	29.25	990.4	158.4	.23	92.0
Max	0.006431	10.4	10.1	.00	29.32	992.8	523.0	.75	160.7
Hr. of Max	00	11	23	23	09	09	11	11	17
Min	0.005145	7.2	8.1	.00	29.19	988.5	-3.2	.00	57.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/20/2017

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	56.8	66.1	54.4	58.1	9.6	7.9	28.0	.8	1.8
01:00	53.5	58.0	57.7	49.6	14.1	12.3	3.7	.4	1.9
02:00	60.1	59.0	60.5	50.5	8.5	6.9	5.4	.8	2.9
03:00	51.0	64.3	59.4	55.7	17.6	8.5	6.2	1.4	3.1
04:00	56.6	55.5	75.0	46.6	11.3	7.3	4.7	1.3	3.7
05:00	73.8	58.5	73.3	49.8	24.4	49.6	4.0	.6	1.7
06:00	71.4	65.8	64.9	57.1	12.4	16.9	9.8	.6	1.7
07:00	50.9	36.6	133.4	18.8	39.8	60.1	43.3	.2	1.2
08:00	47.0	51.5	105.6	42.1	20.8	14.6	6.2	.7	1.9
09:00	68.7	59.6	91.3	51.1	19.3	21.2	16.3	2.4	2.9
10:00	53.3	55.1	52.4	45.7	30.6	24.5	16.9	2.8	3.9
11:00	74.0	69.3	74.4	60.7	23.8	19.5	13.7	4.2	4.9
12:00	72.4	68.2	68.5	59.0	24.3	21.4	15.4	4.0	5.0
13:00	73.1	85.6	116.4	75.5	59.5	65.1	50.8	.9	.8
14:00	165.6	110.4	146.1	105.9	51.5	65.4	63.0	.9	.8
15:00	188.1	184.8	156.8	179.0	61.8	59.0	51.6	1.3	1.3
16:00	158.3	158.0	157.9	150.4	34.6	35.9	28.3	1.3	1.5
17:00	190.2	187.1	194.1	182.6	16.8	11.1	9.1	.9	1.9
18:00	65.5	91.4	25.3	80.1	26.0	47.2	17.1	.8	1.1
19:00	59.9	57.0	104.1	48.0	8.1	20.8	6.8	.4	1.0
20:00	217.5	198.7	231.1	197.7	8.3	18.4	21.7	.0	.5
21:00	45.6	277.4	68.3	290.4	6.2	30.9	23.5	.3	.9
22:00	63.7	68.1	51.5	60.4	8.8	7.9	8.7	.2	1.6
23:00	64.6	61.3	64.8	52.9	17.2	11.8	6.6	.5	1.9
Avg	74.0	75.0	87.0	64.0	23.1	26.8	19.2	.0	.0
Max	217.5	277.4	231.1	290.4	61.8	65.4	63.0	4.2	5.0
Hr. of Max	20	21	20	21	15	14	14	11	12
Min	45.6	36.6	25.3	18.8	6.2	6.9	3.7	.0	.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/20/2017

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	2.3	.8	1.8	2.3	1.1	2.6	1.6	.8	.02
01:00	4.5	.4	1.9	4.5	.8	4.7	1.2	2.2	.02
02:00	5.1	.8	2.9	5.2	1.1	5.3	.4	1.8	.00
03:00	4.1	1.6	3.2	4.2	1.8	4.4	.4	.2	-.01
04:00	6.4	1.3	3.7	6.4	1.6	6.6	1.1	.9	.01
05:00	4.4	.7	1.7	4.4	1.2	4.6	1.5	1.1	.03
06:00	2.8	.6	1.8	2.9	1.0	3.1	1.1	1.0	.02
07:00	2.3	.9	1.6	2.5	1.4	2.7	1.4	.5	.01
08:00	4.5	.8	2.0	4.5	1.2	4.8	3.4	-.2	.09
09:00	4.2	2.5	3.1	4.3	3.0	4.7	5.4	4.2	.27
10:00	4.8	3.2	4.2	5.1	3.9	5.5	2.4	4.6	.09
11:00	5.8	4.6	5.2	6.1	4.9	6.5	.0	1.7	-.12
12:00	5.7	4.3	5.3	5.9	4.9	6.3	-2.3	-2.4	-.32
13:00	.9	1.7	1.6	1.8	2.4	2.5	-3.1	-7.1	-.10
14:00	.9	1.7	1.7	1.9	2.4	2.6	6.5	7.7	.25
15:00	1.4	2.2	2.2	2.2	2.8	2.8	5.8	5.9	.18
16:00	1.8	1.6	1.9	2.1	2.3	2.6	3.6	3.7	.14
17:00	2.1	.9	2.0	2.2	1.6	2.4	1.6	-4.0	.04
18:00	1.7	.9	1.2	1.9	1.3	2.1	2.3	2.5	.05
19:00	3.0	.4	1.1	3.0	.9	3.2	1.4	1.5	.02
20:00	1.4	.0	.6	1.5	.4	1.8	2.1	-.8	.03
21:00	.1	.3	.9	.6	.6	.9	1.9	-.4	.03
22:00	1.4	.2	1.6	1.4	.5	1.6	1.2	.5	.01
23:00	2.7	.5	1.9	2.7	.8	2.9	2.6	1.8	.04
Avg	.0	1.4	2.3	3.3	1.8	3.6	1.8	1.2	.03
Max	6.4	4.6	5.3	6.4	4.9	6.6	6.5	7.7	.27
Hr. of Max	04	11	12	04	12	04	14	14	09
Min	.1	.0	.6	.6	.4	.9	-3.1	-7.1	-.32
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/20/2017

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	.10	2.1	3.7	6.0	7.5	3.8	8.0	10.3
01:00	.18	1.8	4.8	11.4	8.8	1.8	7.5	9.8
02:00	.16	3.4	6.4	7.6	7.1	2.0	6.9	8.4
03:00	.01	3.2	6.2	9.6	6.6	2.4	6.8	8.1
04:00	.10	3.0	7.8	10.3	9.7	1.6	6.2	7.9
05:00	.09	2.7	6.0	14.9	7.4	2.6	6.0	7.0
06:00	.07	2.5	4.1	5.7	6.9	4.2	5.4	6.5
07:00	.05	3.2	3.9	6.4	8.3	4.0	4.6	6.6
08:00	.00	2.5	5.3	7.8	17.1	4.1	6.1	7.2
09:00	.21	7.1	8.2	9.8	18.9	15.6	9.9	9.3
10:00	.37	7.6	10.3	11.4	22.9	17.1	13.2	12.2
11:00	.21	11.0	13.7	15.1	18.2	15.8	15.7	14.8
12:00	-.32	11.7	17.4	17.2	17.5	15.9	17.3	16.4
13:00	-.28	9.2	6.6	10.3	31.9	34.8	18.3	17.6
14:00	.45	7.6	5.5	8.7	28.2	36.6	19.5	18.8
15:00	.18	6.6	7.3	6.0	27.0	33.9	20.3	19.6
16:00	.16	4.4	5.3	5.3	24.1	26.6	20.5	19.9
17:00	-.12	3.2	3.7	3.9	10.7	10.5	20.2	19.7
18:00	.11	2.3	3.0	3.9	8.1	4.4	18.3	19.0
19:00	.10	1.8	5.3	7.8	7.6	2.7	16.3	17.8
20:00	-.03	.9	1.6	2.7	6.7	3.8	14.8	16.7
21:00	-.01	1.6	2.1	3.0	7.3	7.4	13.5	16.5
22:00	.02	1.6	4.1	2.7	5.8	3.5	12.7	15.0
23:00	.10	1.6	3.2	4.4	6.8	4.2	12.0	14.1
Avg	.08	4.3	6.1	8.0	13.4	10.8	12.5	13.3
Max	.45	11.7	17.4	17.2	31.9	36.6	20.5	19.9
Hr. of Max	14	12	12	12	13	14	16	16
Min	-.32	.9	1.6	2.7	5.8	1.6	4.6	6.5
Count	24	24	24	24	24	24	24	24
Total								