Date Printed: 05/03/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/2/2017

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	14.8	15.2	15.2	15.4	.36	.45	.63	.09	.27
01:00	15.1	15.3	15.3	15.3	.19	.14	.19	-.04	.01
02:00	14.9	15.0	14.8	14.8	.08	-.06	-.11	-.14	-.19
03:00	13.5	14.0	14.0	14.1	.49	.49	.58	.00	.09
04:00	11.2	12.8	13.0	13.4	1.60	1.79	2.22	.19	.62
05:00	9.5	11.7	12.0	12.5	2.24	2.47	2.98	.23	.74
06:00	8.4	10.3	11.2	11.6	1.89	2.77	3.12	.88	1.23
07:00	9.0	10.1	11.2	11.5	1.09	2.20	2.56	1.10	1.46
08:00	12.7	12.4	12.2	12.2	-.23	-.44	-.49	-.21	-.26
09:00	15.5	15.0	14.7	14.5	-.53	-.82	-.97	-.29	-.44
10:00	17.9	17.2	16.8	16.7	-.72	-1.04	-1.20	-.31	-.47
11:00	19.7	18.9	18.6	18.4	-.80	-1.15	-1.32	-.35	-.52
12:00	21.0	20.1	19.8	19.7	-.93	-1.24	-1.34	-.31	-.41
13:00	22.3	21.4	21.0	20.8	-.91	-1.29	-1.46	-.39	-.56
14:00	23.6	22.8	22.4	22.2	-.82	-1.20	-1.36	-.38	-.54
15:00	24.6	23.9	23.6	23.4	-.74	-1.04	-1.22	-.30	-.48
16:00	24.7	24.2	23.8	23.6	-.55	-.94	-1.11	-.39	-.56
17:00	24.4	24.0	23.7	23.5	-.31	-.63	-.81	-.32	-.50
18:00	23.5	23.5	23.3	23.2	.02	-.17	-.22	-.18	-.24
19:00	22.1	22.7	22.7	22.8	.60	.60	.69	.00	.10
20:00	19.8	21.5	21.8	22.0	1.62	1.91	2.15	.29	.53
21:00	15.9	19.4	20.2	20.7	3.51	4.31	4.82	.81	1.31
22:00	13.9	17.3	18.4	19.3	3.36	4.51	5.42	1.15	2.06
23:00	12.6	16.0	18.1	18.9	3.36	5.44	6.30	2.07	2.93
Avg	17.1	17.7	17.8	17.9	.58	.71	.84	.13	.26
Max	24.7	24.2	23.8	23.6	3.51	5.44	6.30	2.07	2.93
Hr. of Max	16	16	16	16	21	23	23	23	23
Min	8.4	10.1	11.2	11.5	-.93	-1.29	-1.46	-.39	-.56
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/2/2017

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	4.8	4.0	8.1	19.9	52.0	47.9	6.5	6.2	0.005547
01:00	5.4	4.8	8.7	19.7	53.0	50.3	6.8	6.5	0.005788
02:00	5.3	4.9	8.5	19.5	53.5	51.7	6.8	6.6	0.005731
03:00	5.6	4.9	8.2	19.4	59.5	54.7	6.9	6.6	0.005835
04:00	6.7	5.2	8.2	19.2	74.9	60.6	7.5	6.7	0.006298
05:00	6.5	5.3	7.5	19.0	82.5	65.6	7.4	6.8	0.006198
06:00	6.3	5.7	7.0	18.8	87.5	73.8	7.4	7.0	0.006111
07:00	6.9	6.0	7.6	18.6	87.7	76.7	7.7	7.2	0.006363
08:00	7.3	6.2	9.1	18.4	71.0	66.4	7.8	7.2	0.006575
09:00	7.2	6.1	10.0	18.2	58.9	56.1	7.7	7.1	0.006545
10:00	5.6	3.8	9.7	18.1	45.2	41.9	6.8	6.1	0.005847
11:00	2.9	.6	8.5	18.1	33.5	29.9	5.7	4.8	0.004888
12:00	2.2	-.3	8.5	18.2	29.6	26.1	5.4	4.5	0.004668
13:00	2.1	-.3	8.9	18.6	27.3	24.1	5.4	4.5	0.00465
14:00	3.2	1.0	10.0	19.0	27.1	24.4	5.7	4.9	0.005017
15:00	3.7	1.8	10.7	19.4	26.4	24.2	5.9	5.2	0.005198
16:00	3.6	1.8	10.6	19.6	26.1	23.8	5.9	5.2	0.005162
17:00	4.2	2.8	10.9	19.8	27.8	25.6	6.1	5.6	0.005377
18:00	4.5	3.3	10.8	19.9	29.9	27.5	6.3	5.8	0.005476
19:00	5.7	4.1	11.2	19.9	35.4	30.5	6.8	6.1	0.005951
20:00	6.4	3.8	10.9	19.9	42.6	32.2	7.2	6.0	0.00621
21:00	7.9	4.6		19.8	60.1	38.5	8.0	6.4	0.006841
22:00	7.9	5.5	9.9	19.7	68.2	46.6	8.1	6.8	0.00685
23:00	7.6	6.0	9.3	19.5	72.3	52.3	7.9	7.1	0.006677
Avg	5.4	3.8	9.3	19.2	51.3	43.8	6.8	6.1	0.005825
Max	7.9	6.2	11.2	19.9	87.7	76.7	8.1	7.2	0.00685
Hr. of Max	22	08	19	20	07	07	22	08	22
Min	2.1	-.3	7.0	18.1	26.1	23.8	5.4	4.5	0.00465
Count	24	24	23	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/2/2017

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	0.005234	8.7	8.2	.00	29.00	982.0	-2.2	.00	229.9
01:00	0.005555	9.1	8.7	.00	29.01	982.5	-2.1	.00	244.5
02:00	0.005574	9.0	8.7	.00	29.03	983.0	-2.5	.00	253.1
03:00	0.005554	9.1	8.7	.00	29.04	983.3	-1.6	.00	236.7
04:00	0.005661	9.9	8.9	.00	29.05	983.6	-2.9	.00	251.3
05:00	0.005725	9.7	9.0	.00	29.05	983.9	-2.2	.00	257.7
06:00	0.005854	9.6	9.2	.00	29.07	984.4	.5	.00	260.5
07:00	0.005985	10.0	9.4	.00	29.08	984.8	91.4	.13	185.1
08:00	0.006058	10.3	9.5	.00	29.09	985.0	337.0	.48	192.3
09:00	0.006027	10.3	9.5	.00	29.10	985.4	561.7	.81	242.3
10:00	0.005179	9.2	8.1	.00	29.09	985.3	748.5	1.07	261.1
11:00	0.004148	7.7	6.5	.00	29.09	985.1	898.1	1.29	253.8
12:00	0.003888	7.3	6.1	.00	29.08	984.8	990.0	1.42	239.5
13:00	0.003884	7.3	6.1	.00	29.06	984.3	1029.2	1.48	218.2
14:00	0.004289	7.9	6.7	.00	29.05	983.7	1006.9	1.44	217.2
15:00	0.004556	8.1	7.1	.00	29.04	983.3	925.2	1.33	241.3
16:00	0.00455	8.1	7.1	.00	29.03	983.0	727.0	1.04	251.8
17:00	0.00486	8.4	7.6	.00	29.02	982.9	435.4	.62	251.2
18:00	0.005048	8.6	7.9	.00	29.02	982.9	234.4	.34	242.3
19:00	0.005332	9.3	8.4	.00	29.03	983.0	71.2	.10	239.5
20:00	0.005217	9.7	8.2	.00	29.04	983.5	5.3	.01	236.7
21:00	0.005468	10.7	8.6	.00	29.06	984.2	-1.7	.00	257.4
22:00	0.005799	10.7	9.1	.00	29.08	985.0	-1.6	.00	52.7
23:00	0.005998	10.5	9.4	.00	29.11	985.7	-2.4	.00	41.3
Avg	0.005227	9.1	8.2	.00	29.06	983.9	335.1	.48	241.0
Max	0.006058	10.7	9.5	.00	29.11	985.7	1029.2	1.48	261.1
Hr. of Max	08	22	09	23	23	23	13	13	10
Min	0.003884	7.3	6.1	.00	29.00	982.0	-2.9	.00	41.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/2/2017

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	228.7	220.8	231.8	216.7	18.1	11.6	8.8	3.5	6.4
01:00	249.4	244.0	245.0	239.5	23.9	14.2	12.5	4.2	6.7
02:00	265.1	268.2	252.9	262.7	27.1	19.1	16.5	5.0	7.5
03:00	241.6	238.9	238.6	234.3	18.7	12.7	11.0	3.2	5.3
04:00	232.2	213.8	252.6	210.0	13.6	10.3	5.6	2.5	4.4
05:00	237.8	213.6	258.1	209.6	14.1	9.9	6.3	2.4	4.2
06:00	255.0	229.5	258.8	225.7	22.6	7.2	5.1	1.3	3.3
07:00	240.9	246.4	216.6	241.7	23.4	10.5	6.3	.9	1.9
08:00	218.7	226.7	201.5	222.3	25.2	18.1	12.3	2.4	3.2
09:00	255.7	255.9	246.0	251.0	46.5	32.8	27.8	2.8	3.6
10:00	268.4	268.2	260.9	262.3	45.1	32.2	26.9	4.1	5.4
11:00	261.1	260.8	253.6	255.1	35.8	27.5	25.4	5.8	7.7
12:00	246.2	243.5	237.8	238.8	32.3	25.8	22.1	6.4	8.3
13:00	225.6	224.0	218.5	219.4	30.6	23.5	20.1	6.3	8.4
14:00	226.5	225.6	217.5	221.4	26.2	20.1	14.6	8.7	11.8
15:00	249.9	250.6	241.2	245.7	26.2	21.3	18.4	10.3	13.9
16:00	259.3	260.1	251.3	255.0	28.2	20.7	17.2	8.8	12.0
17:00	258.6	258.1	249.8	253.1	27.9	20.6	18.6	7.4	10.4
18:00	248.4	247.9	243.0	243.4	22.0	15.8	13.7	6.9	10.1
19:00	248.1	248.5	240.2	243.8	20.0	13.7	11.9	4.5	7.1
20:00	247.1	251.3	236.7	246.4	18.4	12.8	11.8	4.0	6.7
21:00	237.1	242.6	260.6	237.9	30.4	8.7	7.4	1.5	3.8
22:00	30.5	221.1	302.1	217.2	33.0	35.4	6.9	.2	.1
23:00	272.2	254.5	271.0	249.8	51.8	16.3	7.6	.5	1.5
Avg	248.0	242.0	245.0	237.0	27.5	18.4	14.0	.0	.0
Max	272.2	268.2	302.1	262.7	51.8	35.4	27.8	10.3	13.9
Hr. of Max	23	10	22	02	23	22	09	15	15
Min	30.5	213.6	201.5	209.6	13.6	7.2	5.1	.2	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/2/2017

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	9.1	3.7	6.7	9.4	4.2	9.9	-1.0	-1.2	-.16
01:00	8.5	4.6	7.3	9.3	5.0	9.7	-.5	-1.0	-.18
02:00	9.3	5.5	8.0	9.8	6.1	10.2	-1.1	-.3	-.35
03:00	6.8	3.4	5.5	7.1	3.8	7.5	-1.1	-.8	-.15
04:00	6.3	2.6	4.5	6.4	2.9	6.7	-1.3	-1.2	-.08
05:00	6.0	2.4	4.3	6.1	2.7	6.5	-1.3	-1.5	-.08
06:00	5.0	1.5	3.4	5.1	1.8	5.3	1.1	-.6	.04
07:00	3.9	1.0	1.9	4.0	1.7	4.2	.8	.2	.03
08:00	3.9	2.6	3.3	4.0	3.0	4.3	4.1	-1.5	.12
09:00	4.4	3.7	4.5	5.2	4.2	5.8	3.4	-2.8	-.01
10:00	6.3	5.1	6.1	6.9	5.8	7.5	.9	1.9	-.14
11:00	8.9	6.8	8.5	9.8	7.5	10.4	-.4	-.4	-.39
12:00	9.4	7.3	9.0	10.1	7.8	10.9	-.2	-2.9	-.31
13:00	10.3	7.2	9.0	10.9	7.9	11.6	1.7	.5	-.07
14:00	14.4	9.5	12.4	14.9	10.6	15.9	2.3	-.7	.02
15:00	16.0	11.4	14.8	16.9	12.3	17.9	-.7	-1.0	-.51
16:00	14.3	9.6	12.7	14.9	10.4	15.8	1.1	.0	-.33
17:00	12.2	8.1	11.1	12.7	9.1	13.5	-.2	1.0	-.37
18:00	12.0	7.4	10.4	12.4	8.0	13.1	-.5	-1.1	-.33
19:00	9.0	4.7	7.3	9.2	5.2	9.8	-.2	-.8	-.15
20:00	8.6	4.2	6.9	8.9	4.6	9.4	-.1	.2	-.09
21:00	5.6	1.7	3.9	5.7	2.2	6.0	.5	.7	.01
22:00	2.2	.2	.2	2.2	.7	2.4	1.2	-1.4	.02
23:00	4.2	.5	1.6	4.4	.9	4.6	2.3	.1	.03
Avg	.0	4.8	6.8	8.6	5.4	9.1	.5	-.6	-.14
Max	16.0	11.4	14.8	16.9	12.3	17.9	4.1	1.9	.12
Hr. of Max	15	15	15	15	15	15	08	10	08
Min	2.2	.2	.2	2.2	.7	2.4	-1.3	-2.9	-.51
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/2/2017

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	36_SonicTemp_015m	37_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	-.24	10.8	17.6	22.2	11.6	6.0	15.4	15.4
01:00	-.25	16.3	17.4	19.7	14.0	8.1	15.6	15.3
02:00	-.30	16.9	19.0	20.6	16.9	11.4	15.3	14.7
03:00	-.15	14.7	15.8	17.2	11.4	6.2	14.4	14.2
04:00	-.14	6.4	8.2	10.3	6.2	3.5	13.2	13.5
05:00	-.17	5.3	8.2	10.3	6.0	3.2	12.1	12.6
06:00	-.06	3.0	6.0	10.5	6.5	2.2	10.6	11.7
07:00	.01	4.1	7.3	10.8	8.4	3.7	10.5	11.5
08:00	-.16	7.6	7.1	8.0	19.1	10.9	12.7	12.1
09:00	-.52	14.0	14.4	14.7	23.9	19.2	15.3	14.4
10:00	-.17	12.8	15.3	16.7	21.3	19.8	17.3	16.4
11:00	-.34	18.5	20.6	19.0	19.0	14.5	18.8	17.9
12:00	-.74	16.5	17.9	19.7	18.4	14.9	19.9	19.0
13:00	-.22	18.3	19.9	23.8	19.4	14.9	21.2	20.1
14:00	-.49	25.9	27.5	30.2	17.0	11.4	22.6	21.5
15:00	-.69	28.4	30.9	32.5	14.7	11.8	23.7	22.8
16:00	-.45	22.9	29.8	31.1	18.7	13.1	24.0	23.0
17:00	-.17	27.0	25.6	28.9	17.2	13.2	24.0	23.1
18:00	-.46	20.4	24.3	23.4	15.9	10.1	23.5	22.9
19:00	-.22	17.2	23.1	25.9	13.3	8.3	22.8	22.6
20:00	-.08	13.5	16.3	23.6	12.0	8.3	21.7	21.8
21:00	.07	6.6	10.5	11.9	7.7	3.7	19.5	20.7
22:00	-.06	3.0	2.1	7.3	7.9	4.6	17.4	19.4
23:00	.02	2.1	3.9	7.8	8.3	3.4	16.2	19.1
Avg	-.25	13.8	16.2	18.6	14.0	9.4	17.8	17.7
Max	.07	28.4	30.9	32.5	23.9	19.8	24.0	23.1
Hr. of Max	21	15	15	15	09	10	17	17
Min	-.74	2.1	2.1	7.3	6.0	2.2	10.5	11.5
Count	24	24	24	24	24	24	24	24
Total								