Date Printed: 02/19/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

2/18/2017

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	4.1	6.6	8.5	11.7	2.54	4.44	7.60	1.91	5.06
01:00	3.4	6.2	8.6	10.7	2.84	5.23	7.37	2.40	4.53
02:00	3.7	6.1	8.2	11.0	2.37	4.49	7.25	2.12	4.88
03:00	4.0	6.1	7.6	10.1	2.12	3.54	6.09	1.42	3.98
04:00	4.5	6.0	7.2	10.6	1.54	2.71	6.11	1.16	4.57
05:00	5.0	6.5	7.6	10.0	1.42	2.54	4.92	1.12	3.50
06:00	5.4	6.6	7.2	9.0	1.13	1.77	3.52	.64	2.38
07:00	6.1	7.1	7.5	8.4	1.01	1.38	2.36	.37	1.35
08:00	6.5	7.4	8.2	9.3	.86	1.64	2.77	.77	1.91
09:00	7.3	7.5	8.0	8.7	.21	.72	1.44	.51	1.23
10:00	8.2	8.3	8.6	8.9	.12	.38	.66	.26	.55
11:00	8.3	8.2	8.0	8.0	-.12	-.27	-.31	-.15	-.19
12:00	8.5	8.3	8.1	8.0	-.17	-.32	-.41	-.15	-.24
13:00	9.0	8.8	8.7	8.5	-.18	-.36	-.49	-.18	-.31
14:00	9.6	9.4	9.2	9.1	-.23	-.40	-.52	-.17	-.29
15:00	10.0	9.8	9.6	9.5	-.20	-.41	-.52	-.20	-.32
16:00	10.0	10.0	9.8	9.8	-.05	-.19	-.26	-.14	-.21
17:00	9.8	9.9	9.8	9.7	.08	.00	-.04	-.08	-.12
18:00	9.6	9.8	9.7	9.6	.15	.08	.04	-.08	-.12
19:00	9.5	9.6	9.5	9.5	.09	.02	.01	-.07	-.07
20:00	9.4	9.6	9.5	9.4	.11	.04	-.02	-.07	-.13
21:00	9.3	9.4	9.4	9.4	.15	.11	.12	-.04	-.03
22:00	9.2	9.5	9.5	9.6	.29	.29	.35	.00	.07
23:00	9.3	9.7	9.7	9.7	.43	.42	.44	-.01	.00
Avg	7.5	8.2	8.7	9.5	.69	1.16	2.02	.47	1.33
Max	10.0	10.0	9.8	11.7	2.84	5.23	7.60	2.40	5.06
Hr. of Max	16	16	17	00	01	01	00	01	00
Min	3.4	6.0	7.2	8.0	-.23	-.41	-.52	-.20	-.32
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/18/2017

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	-.2	-.1	1.2	9.0	74.1	63.0	4.7	4.7	0.003837
01:00	-.4	-.1	.8	8.9	76.8	64.9	4.6	4.7	0.003772
02:00	.1	-1.0	1.3	8.7	77.6	60.9	4.8	4.4	0.003917
03:00	.4	-.2	1.6	8.6	77.6	64.6	4.9	4.7	0.003999
04:00	1.0	.6	2.2	8.5	78.7	68.8	5.1	5.0	0.004192
05:00	1.4	.4	2.6	8.4	78.1	66.0	5.3	4.9	0.004322
06:00	1.9	.4	3.1	8.3	78.5	65.5	5.5	4.9	0.004465
07:00	2.5	1.4	3.7	8.3	78.7	67.8	5.7	5.3	0.004682
08:00	3.5	1.9	4.5	8.3	81.9	68.6	6.1	5.4	0.005024
09:00	3.3	1.7	4.7	8.2	76.7	67.2	6.0	5.3	0.004959
10:00	5.0	4.0	6.1	8.3	81.1	74.8	6.7	6.3	0.005582
11:00	6.7	6.6	7.2	8.3	90.7	90.7	7.6	7.5	0.006265
12:00	7.8	7.8	8.1	8.4	97.1	98.1	8.2	8.2	0.006789
13:00	8.4	8.4	8.6	8.5	97.2	98.1	8.5	8.5	0.007076
14:00	8.7	8.7	9.0	8.7	95.3	97.0	8.6	8.7	0.007211
15:00	8.6	8.5	9.1	8.8	91.8	92.3	8.6	8.5	0.007167
16:00	8.5	8.3	9.0	9.0	91.3	90.4	8.5	8.4	0.007117
17:00	9.0	8.7	9.3	9.2	96.2	93.8	8.8	8.7	0.007382
18:00	8.7	8.6	9.0	9.2	95.5	93.9	8.7	8.6	0.007234
19:00	8.7	8.9	9.0	9.3	96.0	96.5	8.7	8.8	0.007225
20:00	8.9	9.1	9.1	9.3	97.8	98.1	8.8	8.9	0.007326
21:00	8.8	9.0	8.9	9.3	97.8	98.3	8.7	8.8	0.007233
22:00	8.7	9.1	8.9	9.3	97.8	98.4	8.7	8.9	0.007211
23:00	8.8	9.3	8.9	9.3	97.8	98.4	8.7	9.0	0.007237
Avg	5.4	5.0	6.1	8.8	87.6	82.3	7.1	7.0	0.005884
Max	9.0	9.3	9.3	9.3	97.8	98.4	8.8	9.0	0.007382
Hr. of Max	17	23	17	23	23	23	20	23	17
Min	-.4	-1.0	.8	8.2	74.1	60.9	4.6	4.4	0.003772
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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2/18/2017

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	0.003888	6.0	6.1	.00	29.05	983.7	-2.5	.00	69.6
01:00	0.003888	5.9	6.1	.00	29.06	984.0	-2.2	.00	128.5
02:00	0.003626	6.2	5.7	.00	29.06	984.0	-3.0	.00	108.4
03:00	0.003853	6.3	6.1	.00	29.04	983.6	-1.8	.00	102.8
04:00	0.004084	6.6	6.4	.00	29.03	983.2	-2.2	.00	75.5
05:00	0.00403	6.8	6.3	.00	29.04	983.3	-2.4	.00	226.8
06:00	0.00403	7.0	6.3	.00	29.05	983.7	-2.2	.00	142.4
07:00	0.004323	7.3	6.8	.00	29.05	983.7	1.1	.00	67.2
08:00	0.004464	7.9	7.0	.00	29.06	984.0	19.0	.03	152.9
09:00	0.004406	7.8	6.9	.00	29.07	984.5	56.9	.08	233.1
10:00	0.005194	8.8	8.2	.01	29.09	985.3	91.1	.13	226.3
11:00	0.006211	9.8	9.7	.10	29.11	985.7	88.4	.13	226.2
12:00	0.006782	10.6	10.6	.12	29.08	984.8	88.8	.13	217.8
13:00	0.007056	11.1	11.0	.04	29.04	983.6	116.4	.17	95.3
14:00	0.007221	11.3	11.3	.01	29.03	983.0	148.4	.21	237.1
15:00	0.007107	11.2	11.1	.00	29.01	982.3	137.3	.20	183.9
16:00	0.007027	11.1	11.0	.00	29.00	982.1	46.0	.07	204.6
17:00	0.007238	11.5	11.3	.00	29.01	982.3	14.1	.02	241.8
18:00	0.007183	11.3	11.2	.00	29.02	982.9	-.7	.00	234.7
19:00	0.007306	11.3	11.4	.00	29.04	983.5	-2.4	.00	243.0
20:00	0.007401	11.5	11.6	.00	29.05	983.9	-2.7	.00	241.4
21:00	0.007345	11.3	11.5	.00	29.06	984.1	-3.2	.00	224.2
22:00	0.007399	11.3	11.6	.00	29.06	984.3	-2.3	.00	234.5
23:00	0.007496	11.3	11.7	.00	29.07	984.4	-1.7	.00	223.4
Avg	0.005773	9.2	9.0	.01	29.05	983.7	32.4	.05	194.0
Max	0.007496	11.5	11.7	.12	29.11	985.7	148.4	.21	243.0
Hr. of Max	23	20	23	12	11	11	14	14	19
Min	0.003626	5.9	5.7	.00	29.00	982.1	-3.2	.00	67.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/18/2017

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	234.1	221.8	90.4	217.9	.0	8.0	6.5	.1	.5
01:00	250.5	237.8	212.8	232.9	37.3	30.5	13.6	.3	.9
02:00	218.0	241.9	204.6	236.7	48.1	18.8	11.8	.2	1.0
03:00	328.6	183.6	280.9	178.0	52.5	37.0	34.5	.1	.4
04:00	49.0	3.5	60.1	335.1	12.1	29.4	26.1	.8	2.7
05:00	249.2	270.8	234.8	264.5	22.3	43.8	31.7	1.7	.3
06:00	340.0	282.8	97.0	282.8	21.8	16.8	19.5	.1	.3
07:00	52.3	58.1	44.6	49.8	18.2	9.8	6.7	.8	2.2
08:00	121.3	358.3	192.4	334.9	18.1	24.6	33.0	1.0	.3
09:00	234.4	216.8	238.3	212.5	14.6	10.0	13.4	2.2	3.2
10:00	242.9	236.6	227.7	232.5	12.0	9.0	6.5	4.5	7.2
11:00	236.8	235.9	229.3	231.8	20.2	14.1	10.0	4.1	6.3
12:00	263.7	272.9	231.9	267.3	43.9	37.4	23.3	1.1	1.7
13:00	16.8	11.2	165.2	354.9	50.6	74.3	61.5	.1	.2
14:00	258.1	249.5	247.0	241.2	52.4	30.9	33.4	1.1	1.4
15:00	201.8	203.9	201.0	198.2	29.3	26.1	26.1	1.3	1.8
16:00	218.3	211.4	212.1	206.9	27.6	20.8	18.3	2.2	3.2
17:00	252.8	248.2	246.3	243.5	19.8	10.2	7.1	1.9	3.3
18:00	250.5	250.2	238.4	245.7	16.0	11.7	10.3	2.6	4.1
19:00	245.5	240.4	243.2	236.2	19.4	11.3	7.9	3.3	5.6
20:00	256.1	254.8	243.6	250.3	18.7	12.8	9.9	2.3	4.0
21:00	235.5	230.8	230.0	227.0	15.9	6.0	3.9	2.0	3.9
22:00	243.7	233.2	239.4	229.4	14.2	6.3	4.4	1.8	3.8
23:00	247.6	241.9	234.0	237.4	16.9	9.6	7.4	1.5	3.2
Avg	250.0	246.0	222.0	243.0	25.1	21.2	17.8	.0	.0
Max	340.0	358.3	280.9	354.9	52.5	74.3	61.5	4.5	7.2
Hr. of Max	06	08	03	13	03	13	13	10	10
Min	16.8	3.5	44.6	49.8	.0	6.0	3.9	.1	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/18/2017

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	3.4	.1	.6	3.5	.4	3.7	1.1	-1.2	.01
01:00	2.3	.4	.9	2.5	1.1	2.7	2.3	-.1	.04
02:00	2.6	.3	1.0	3.2	.8	3.3	2.1	.7	.03
03:00	1.9	1.0	1.2	2.1	1.3	2.3	1.8	-1.6	.04
04:00	.4	.8	2.8	1.9	1.1	2.1	1.2	.7	.02
05:00	1.1	1.8	.6	1.5	2.2	1.7	.9	-.1	.02
06:00	.7	.1	1.9	1.5	.8	1.7	3.2	.6	.04
07:00	3.1	.9	2.2	3.1	1.2	3.3	1.1	1.5	.00
08:00	.6	1.6	2.1	3.2	2.0	3.4	1.1	.8	.03
09:00	2.8	2.4	3.4	2.9	2.7	3.2	.4	-.5	.01
10:00	10.0	4.6	7.3	10.1	5.1	10.6	.2	-.9	-.07
11:00	8.1	4.3	6.5	8.2	4.8	8.7	1.4	-1.1	.00
12:00	2.5	1.5	2.1	3.0	2.1	3.2	2.2	-2.1	.03
13:00	.3	.3	.6	.7	1.0	1.2	11.7	8.8	.24
14:00	1.6	1.4	1.7	2.0	2.0	2.4	5.6	4.1	.16
15:00	2.2	1.4	2.0	2.4	1.9	2.8	2.8	.4	.06
16:00	4.1	2.5	3.4	4.3	2.9	4.6	.5	-1.6	-.01
17:00	4.6	2.0	3.4	4.6	2.3	4.9	.4	.0	-.03
18:00	5.4	2.7	4.3	5.6	3.1	5.9	1.1	-.7	.00
19:00	7.4	3.5	5.7	7.5	3.9	7.9	.7	-.4	-.07
20:00	5.5	2.7	4.2	5.6	3.1	5.9	.4	-.2	-.05
21:00	5.1	2.1	3.9	5.1	2.4	5.4	.4	-.8	.00
22:00	5.5	1.9	3.8	5.5	2.2	5.9	.1	-.7	-.02
23:00	4.8	1.7	3.3	4.9	2.1	5.2	1.3	-.1	.02
Avg	.0	1.8	2.9	4.0	2.2	4.3	1.8	.2	.02
Max	10.0	4.6	7.3	10.1	5.1	10.6	11.7	8.8	.24
Hr. of Max	10	10	10	10	10	10	13	13	13
Min	.3	.1	.6	.7	.4	1.2	.1	-2.1	-.07
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/18/2017

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	-.07	1.1	2.5	9.4	5.2	2.1	6.7	11.7
01:00	.00	3.2	2.3	4.4	6.7	5.3	6.3	10.8
02:00	.04	5.3	3.7	7.6	7.0	2.9	6.2	11.0
03:00	-.07	3.7	5.3	8.2	7.4	8.3	6.3	10.1
04:00	.04	4.1	6.4	4.6	10.3	10.7	6.2	10.6
05:00	.01	3.9	4.8	3.2	4.0	6.8	6.6	10.1
06:00	.01	2.5	4.1	3.4	8.6	4.3	6.8	9.0
07:00	.08	3.0	3.7	5.5	7.3	2.7	7.3	8.5
08:00	.05	4.4	5.7	9.4	5.2	2.5	7.7	9.3
09:00	-.03	6.4	6.0	7.3	6.5	4.4	7.8	8.7
10:00	-.18	14.2	19.2	19.5	8.7	4.4	8.8	8.9
11:00	-.22	11.9	20.2	19.7	15.3	7.4	8.7	8.1
12:00	-.17	9.4	10.5	11.0	20.3	12.0	8.9	8.2
13:00	.25	2.3	2.7	3.0	26.1	27.0	9.5	8.9
14:00	.07	4.1	5.7	5.3	23.5	24.0	10.0	9.4
15:00	-.03	4.6	5.7	7.3	21.3	19.9	10.4	9.8
16:00	-.21	6.0	7.1	8.7	13.4	11.5	10.6	10.0
17:00	-.01	4.1	6.4	7.6	10.9	5.0	10.5	10.0
18:00	-.12	6.9	9.2	11.0	11.9	7.2	10.4	9.9
19:00	-.10	7.3	10.3	13.3	14.1	6.1	10.2	9.8
20:00	-.06	8.9	8.2	15.3	12.1	6.5	10.2	9.7
21:00	-.08	4.8	7.8	9.2	7.7	2.0	10.1	9.7
22:00	-.07	4.4	10.1	12.1	7.8	3.0	10.2	9.9
23:00	-.03	4.4	6.9	10.8	8.0	5.2	10.4	10.0
Avg	-.04	5.5	7.3	9.0	11.2	8.0	8.6	9.7
Max	.25	14.2	20.2	19.7	26.1	27.0	10.6	11.7
Hr. of Max	13	10	11	11	13	13	16	00
Min	-.22	1.1	2.3	3.0	4.0	2.0	6.2	8.1
Count	24	24	24	24	24	24	24	24
Total								