Date Printed: 04/03/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/2/2017

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	8.3	9.0	9.1	9.1	.68	.76	.83	.07	.15
01:00	7.5	8.4	8.6	8.7	.93	1.11	1.24	.18	.31
02:00	6.9	8.1	8.2	8.5	1.17	1.29	1.60	.13	.43
03:00	6.5	7.7	8.0	8.2	1.27	1.51	1.77	.25	.50
04:00	6.1	7.5	7.7	7.9	1.35	1.59	1.80	.24	.45
05:00	6.6	7.6	7.7	7.9	1.03	1.16	1.34	.14	.31
06:00	6.4	7.7	7.8	7.9	1.30	1.37	1.52	.08	.22
07:00	6.5	7.7	7.8	7.9	1.21	1.28	1.40	.07	.19
08:00	8.4	8.6	8.5	8.3	.16	.02	-.09	-.14	-.25
09:00	10.9	10.5	10.1	9.8	-.42	-.81	-1.08	-.40	-.66
10:00	12.7	12.1	11.7	11.5	-.67	-1.00	-1.26	-.34	-.60
11:00	15.2	14.5	14.1	13.9	-.69	-1.06	-1.30	-.38	-.61
12:00	17.5	16.8	16.4	16.2	-.68	-1.09	-1.30	-.41	-.62
13:00	20.5	19.6	19.3	19.2	-.91	-1.20	-1.29	-.30	-.38
14:00	22.5	21.7	21.5	21.4	-.82	-1.07	-1.16	-.25	-.34
15:00	24.7	24.0	23.7	23.6	-.67	-1.02	-1.12	-.35	-.45
16:00	26.1	25.5	25.1	25.0	-.58	-.93	-1.10	-.36	-.52
17:00	26.4	26.1	25.8	25.7	-.28	-.57	-.65	-.29	-.37
18:00	26.0	26.1	25.9	25.8	.11	-.12	-.22	-.22	-.33
19:00	24.2	25.3	25.2	25.1	1.03	.95	.87	-.08	-.16
20:00	20.0	23.5	23.7	23.7	3.45	3.63	3.63	.18	.18
21:00	17.7	20.5	22.1	22.5	2.81	4.39	4.87	1.58	2.05
22:00	16.4	19.0	20.6	21.6	2.64	4.26	5.21	1.62	2.57
23:00	15.5	18.7	20.3	21.2	3.20	4.84	5.67	1.63	2.47
Avg	15.0	15.7	15.8	15.9	.69	.80	.88	.11	.19
Max	26.4	26.1	25.9	25.8	3.45	4.84	5.67	1.63	2.57
Hr. of Max	17	18	18	18	20	23	23	23	22
Min	6.1	7.5	7.7	7.9	-.91	-1.20	-1.30	-.41	-.66
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/2/2017

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	4.3	4.3	5.6	15.6	76.7	73.0	6.4	6.4	0.005279
01:00	4.2	4.2	5.3	15.3	80.6	75.8	6.4	6.4	0.00524
02:00	4.1	4.3	5.0	15.1	83.0	78.0	6.3	6.4	0.005197
03:00	4.2	4.3	5.0	14.8	86.2	79.7	6.4	6.4	0.005235
04:00	4.1	4.2	4.8	14.6	87.5	80.5	6.4	6.4	0.005198
05:00	4.3	4.3	5.1	14.4	86.2	80.5	6.5	6.4	0.005282
06:00	4.2	4.3	4.9	14.1	86.3	79.8	6.4	6.4	0.005228
07:00	4.3	4.2	5.0	13.9	86.6	79.6	6.4	6.4	0.005264
08:00	4.6	4.0	5.9	13.7	77.8	73.6	6.6	6.3	0.005398
09:00	4.8	4.1	6.9	13.6	66.9	65.1	6.6	6.3	0.005489
10:00	5.3	4.3	7.8	13.5	61.6	59.8	6.8	6.4	0.005697
11:00	6.0	5.0	9.0	13.6	54.8	53.6	7.1	6.6	0.005958
12:00	5.9	5.0	9.8	13.9	47.5	46.3	7.0	6.6	0.005976
13:00	5.9	4.7	10.8	14.4	39.3	38.2	6.9	6.4	0.005986
14:00	6.0	4.8	11.5	15.0	35.1	33.9	7.0	6.4	0.006057
15:00	4.0	2.4	10.9	15.7	27.1	25.1	6.1	5.4	0.005321
16:00	3.3	1.5	10.9	16.1	23.7	21.6	5.8	5.1	0.00506
17:00	2.9	1.4	10.7	16.5	22.7	20.7	5.6	5.0	0.004938
18:00	4.4	2.9	11.6	16.7	25.7	22.9	6.2	5.6	0.005463
19:00	6.7	5.5	12.6	16.9	33.5	28.9	7.3	6.7	0.006403
20:00	8.0	7.3	12.0	17.0	46.9	36.2	8.0	7.6	0.006932
21:00	8.6	8.1	11.6	16.9	56.3	45.8	8.4	8.1	0.007214
22:00	8.8	8.1	11.3	16.8	61.7	50.2	8.5	8.1	0.007274
23:00	9.1	7.7	11.3	16.7	66.8	49.5	8.7	7.9	0.007454
Avg	5.3	4.6	8.6	15.2	59.2	54.1	6.8	6.5	0.005773
Max	9.1	8.1	12.6	17.0	87.5	80.5	8.7	8.1	0.007454
Hr. of Max	23	22	19	20	04	05	23	22	23
Min	2.9	1.4	4.8	13.5	22.7	20.7	5.6	5.0	0.004938
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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4/2/2017

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	0.005267	8.3	8.3	.00	29.25	990.6	-2.3	.00	54.4
01:00	0.005248	8.3	8.3	.00	29.24	990.4	-2.5	.00	53.7
02:00	0.00529	8.2	8.4	.00	29.24	990.3	-2.4	.00	69.0
03:00	0.005279	8.3	8.3	.00	29.23	989.8	-2.2	.00	60.0
04:00	0.005248	8.2	8.3	.00	29.22	989.6	-2.6	.00	66.0
05:00	0.00529	8.3	8.3	.00	29.21	989.3	-2.5	.00	62.3
06:00	0.005281	8.2	8.3	.00	29.23	989.8	-2.4	.00	64.7
07:00	0.005253	8.3	8.3	.00	29.24	990.1	8.6	.01	65.2
08:00	0.005165	8.5	8.2	.00	29.25	990.5	181.4	.26	62.0
09:00	0.005193	8.7	8.2	.00	29.25	990.6	426.5	.61	65.3
10:00	0.005295	9.0	8.4	.00	29.25	990.5	629.3	.90	88.8
11:00	0.005568	9.4	8.8	.00	29.24	990.1	788.8	1.13	90.5
12:00	0.005585	9.4	8.8	.00	29.21	989.2	889.1	1.27	45.1
13:00	0.005496	9.4	8.7	.00	29.17	987.9	929.5	1.33	240.5
14:00	0.005549	9.5	8.7	.00	29.14	986.8	924.1	1.32	149.6
15:00	0.00473	8.4	7.4	.00	29.10	985.5	853.8	1.22	195.1
16:00	0.00445	7.9	7.0	.00	29.09	985.1	703.5	1.01	233.9
17:00	0.004438	7.8	7.0	.00	29.06	984.2	375.2	.54	221.4
18:00	0.004908	8.6	7.7	.00	29.04	983.5	196.0	.28	197.9
19:00	0.005887	10.0	9.2	.00	29.02	982.8	60.2	.09	147.6
20:00	0.006625	10.8	10.4	.00	29.03	983.1	-1.7	.00	95.7
21:00	0.006983	11.3	10.9	.00	29.04	983.5	-1.3	.00	79.4
22:00	0.006993	11.4	10.9	.00	29.04	983.6	-1.9	.00	89.0
23:00	0.006763	11.7	10.6	.00	29.05	983.8	-2.9	.00	74.6
Avg	0.005491	9.1	8.6	.00	29.16	987.5	289.2	.42	89.0
Max	0.006993	11.7	10.9	.00	29.25	990.6	929.5	1.33	240.5
Hr. of Max	22	23	22	23	10	09	13	13	13
Min	0.004438	7.8	7.0	.00	29.02	982.8	-2.9	.00	45.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/2/2017

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	58.3	60.2	46.1	51.3	19.1	10.5	6.3	2.7	6.2
01:00	55.6	59.5	44.2	50.5	19.3	9.0	5.4	2.3	6.2
02:00	66.5	52.9	60.5	42.9	12.3	7.2	8.8	1.9	4.2
03:00	61.5	63.3	50.7	54.0	16.8	9.4	5.0	2.2	5.5
04:00	55.9	59.2	57.3	49.4	15.6	7.9	5.9	1.4	4.6
05:00	64.3	61.2	56.8	52.2	21.7	13.1	6.0	2.9	6.8
06:00	67.8	63.0	59.4	53.6	18.9	12.4	5.6	2.6	5.6
07:00	64.7	61.5	59.5	52.4	19.1	12.3	6.1	3.0	6.5
08:00	59.3	59.9	56.1	51.2	21.7	14.0	9.8	3.8	7.3
09:00	58.5	57.4	60.8 +	48.6	27.2	19.6	13.8	4.4	7.4
10:00	82.1	76.6	83.8	67.6	17.1	18.6	14.6	6.3	6.7
11:00	84.7	81.7	85.3	72.2	21.4	20.1	14.7	4.6	4.9
12:00	41.2	41.2	25.2	30.9	57.1	40.6	37.3	1.5	2.3
13:00	250.3	226.0	249.2	228.9	65.1	49.0	45.8	2.2	2.5
14:00	178.7	192.0	154.6	186.3	41.7	44.0	42.5	3.5	3.9
15:00	222.0	221.8	202.9	216.0	43.8	32.3	30.5	3.5	4.3
16:00	243.8	236.8	232.4	232.6	42.0	34.4	24.0	3.9	4.8
17:00	241.8	240.8	229.4	236.7	42.3	38.2	28.5	2.7	3.4
18:00	226.1	220.3	216.7	215.8	32.2	28.4	22.8	1.7	2.2
19:00	161.5	157.0	159.7	151.9	23.2	21.3	19.4	1.7	2.7
20:00	122.4	128.7	88.2	121.8	19.3	23.3	18.8	.8	2.0
21:00	41.6	87.3	64.2	79.1	20.2	28.0	21.5	.8	1.4
22:00	65.4	100.5	76.8	92.1	35.1	34.2	17.2	.6	2.4
23:00	262.0	193.9	353.4	191.4	53.4	36.2	33.5	.2	1.0
Avg	79.0	94.0	72.0	82.0	29.4	23.5	18.5	.0	.0
Max	262.0	240.8	353.4	236.7	65.1	49.0	45.8	6.3	7.4
Hr. of Max	23	17	23	17	13	13	13	10	09
Min	41.2	41.2	25.2	30.9	12.3	7.2	5.0	.2	1.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/2/2017

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	8.5	2.8	6.3	8.6	3.2	8.8	-4.0	.1	-.32
01:00	8.6	2.4	6.3	8.6	2.8	8.9	-4.0	.8	-.30
02:00	5.6	1.9	4.3	5.7	2.1	6.0	-2.5	1.3	-.15
03:00	8.4	2.3	5.6	8.4	2.6	8.7	-3.9	1.2	-.23
04:00	6.7	1.4	4.7	6.7	1.6	7.0	-.1	1.8	-.07
05:00	10.6	3.1	7.0	10.6	3.3	11.0	-.7	1.7	-.17
06:00	8.6	2.7	5.7	8.7	3.0	9.0	-3.0	1.7	-.22
07:00	9.9	3.2	6.7	9.9	3.3	10.3	-1.6	1.0	-.18
08:00	9.6	4.1	7.5	9.7	4.3	10.1	-.9	1.1	-.30
09:00	9.9	4.9	7.7	10.1	5.4	10.6	1.3	3.6	-.17
10:00	7.5	6.5	7.0	7.7	6.9	8.1	-.3	2.8	-.11
11:00	5.4	4.9	5.2	5.6	5.3	6.0	-.5	-1.5	-.14
12:00	2.6	2.7	3.2	3.3	3.3	4.0	-4.8	-6.3	-.42
13:00	2.5	3.8	3.8	3.8	4.4	4.4	-1.1	.3	-.09
14:00	4.4	4.6	4.9	5.2	5.3	5.9	-1.0	-4.3	-.05
15:00	4.9	4.2	4.9	5.5	4.8	6.1	-.6	-5.5	-.07
16:00	5.8	4.5	5.4	6.2	5.1	6.7	.3	-2.7	-.07
17:00	3.7	3.4	4.0	4.2	4.0	4.7	-3.5	-3.0	-.28
18:00	2.6	2.0	2.5	2.8	2.6	3.2	-.8	-6.4	-.03
19:00	3.5	2.0	3.0	3.9	2.6	4.2	3.3	2.5	.10
20:00	3.1	.9	2.2	3.3	1.4	3.6	4.3	-2.8	.10
21:00	2.2	.9	1.5	2.4	1.2	2.6	1.3	-1.3	.02
22:00	4.6	1.3	2.9	5.0	1.7	5.3	1.5	.1	.04
23:00	1.7	.9	1.1	2.0	1.4	2.3	3.2	-2.2	.06
Avg	.0	3.0	4.7	6.2	3.4	6.6	-.8	-.7	-.13
Max	10.6	6.5	7.7	10.6	6.9	11.0	4.3	3.6	.10
Hr. of Max	05	10	09	05	10	05	20	09	20
Min	1.7	.9	1.1	2.0	1.2	2.3	-4.8	-6.4	-.42
Count	24	24	24	24	24	24	24	24	24
Total									

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4/2/2017

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	-.02	8.2	11.2	20.2	15.3	4.9	9.3	9.1
01:00	.11	6.9	10.8	14.2	16.0	4.3	8.7	8.7
02:00	.11	5.7	15.3	17.6	12.1	4.1	8.4	8.5
03:00	.16	6.9	10.3	13.1	13.1	4.0	8.0	8.3
04:00	.20	4.1	10.3	12.1	17.0	4.5	7.8	8.0
05:00	.29	9.6	14.7	16.5	18.0	4.9	7.9	7.9
06:00	.25	8.0	13.1	21.1	15.9	4.8	8.0	8.0
07:00	.16	7.3	13.3	14.9	16.3	5.2	8.0	7.9
08:00	.09	11.7	15.8	17.2	19.7	8.8	9.0	8.3
09:00	.51	12.8	17.4	18.1	21.3	11.7	10.9	9.8
10:00	.29	11.4	13.5	19.7	13.4	12.0	12.4	11.4
11:00	-.08	11.4	18.1	16.0	19.3	18.9	14.9	13.9
12:00	-.41	7.6	8.2	8.5	29.0	29.3	17.1	16.2
13:00	-.07	10.8	11.4	10.5	23.9	28.9	19.7	18.9
14:00	-.50	13.5	12.4	13.1	20.1	25.7	21.8	21.0
15:00	-.57	11.2	11.9	12.6	22.4	22.1	23.8	22.9
16:00	-.45	13.3	13.1	19.5	21.0	18.7	25.3	24.3
17:00	-.50	8.2	10.1	12.1	19.7	22.5	26.0	25.2
18:00	-.39	8.5	8.0	8.2	18.9	20.9	26.0	25.4
19:00	.01	7.3	7.8	8.2	16.6	16.3	25.4	24.9
20:00	-.25	4.6	6.6	11.7	22.9	15.2	23.6	23.6
21:00	-.08	2.5	4.8	5.7	17.0	15.9	20.7	22.5
22:00	-.02	4.8	6.9	10.3	14.8	9.4	19.3	21.6
23:00	-.09	7.3	6.6	7.6	18.0	17.1	19.0	21.2
Avg	-.05	8.5	11.3	13.7	18.4	13.8	15.9	15.7
Max	.51	13.5	18.1	21.1	29.0	29.3	26.0	25.4
Hr. of Max	09	14	11	06	12	12	18	18
Min	-.57	2.5	4.8	5.7	12.1	4.0	7.8	7.9
Count	24	24	24	24	24	24	24	24
Total								