Date Printed: 02/08/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

2/7/2017

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	7.5	7.8	7.9	8.2	.26	.42	.68	.15	.42
01:00	7.8	8.4	9.0	9.6	.63	1.20	1.74	.58	1.11
02:00	8.3	8.7	9.0	9.6	.42	.76	1.34	.34	.93
03:00	8.3	8.7	9.6	10.2	.42	1.24	1.85	.82	1.43
04:00	8.7	9.5	10.0	10.4	.87	1.29	1.72	.42	.85
05:00	9.0	9.8	10.3	10.6	.81	1.26	1.58	.45	.78
06:00	9.2	9.6	9.9	10.2	.37	.70	.96	.33	.59
07:00	9.0	9.5	10.0	10.1	.50	.99	1.11	.49	.61
08:00	10.0	10.1	10.3	10.4	.11	.28	.39	.17	.28
09:00	11.4	11.2	11.2	11.2	-.12	-.19	-.21	-.07	-.09
10:00	13.6	13.7	13.1	13.3	.06	-.57	-.37	-.63	-.43
11:00	16.4	16.7	16.6	15.8	.34	.14	-.57	-.19	-.90
12:00	17.5	17.5	17.4	17.3	-.02	-.17	-.21	-.15	-.19
13:00	16.6	16.7	16.5	16.4	.04	-.11	-.20	-.16	-.24
14:00	15.1	15.2	15.1	15.0	.10	-.02	-.06	-.13	-.17
15:00	12.9	12.9	12.9	12.9	.05	.00	.00	-.05	-.05
16:00	12.5	12.6	12.5	12.5	.02	-.06	-.05	-.08	-.08
17:00	12.7	12.8	12.7	12.7	.11	.03	.01	-.08	-.10
18:00	11.6	12.1	12.1	12.1	.47	.46	.53	-.01	.06
19:00	10.6	11.4	11.8	11.9	.81	1.17	1.35	.36	.54
20:00	10.8	11.4	11.7	11.9	.67	.98	1.10	.31	.43
21:00	10.9	11.6	11.9	12.0	.69	.97	1.11	.29	.42
22:00	11.0	11.6	11.9	12.0	.61	.88	.98	.27	.38
23:00	11.2	11.8	12.2	12.5	.64	1.08	1.37	.44	.73
Avg	11.4	11.7	11.9	12.0	.37	.53	.67	.16	.30
Max	17.5	17.5	17.4	17.3	.87	1.29	1.85	.82	1.43
Hr. of Max	12	12	12	12	04	04	03	03	03
Min	7.5	7.8	7.9	8.2	-.12	-.57	-.57	-.63	-.90
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/7/2017

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	6.9	7.5	7.1	7.6	97.3	99.0	7.7	8.0	0.006372
01:00	7.3	8.2	7.5	7.6	97.4	99.2	7.9	8.4	0.006523
02:00	7.7	8.4	7.9	7.6	97.4	99.3	8.1	8.5	0.006732
03:00	7.8	8.5	8.0	7.7	97.4	99.3	8.1	8.5	0.006756
04:00	8.1	9.3	8.3	7.7	97.4	99.5	8.3	9.0	0.006917
05:00	8.4	9.6	8.6	7.8	97.4	99.6	8.5	9.1	0.007088
06:00	8.6	9.3	8.8	7.8	97.5	99.6	8.6	9.0	0.007187
07:00	8.4	9.3	8.6	7.9	97.4	99.6	8.5	9.0	0.007084
08:00	9.4	9.9	9.6	7.9	97.4	99.8	9.0	9.3	0.007579
09:00	10.8	11.0	11.0	8.0	97.9	99.8	9.9	10.0	0.008349
10:00	12.1	12.1	12.6	8.1	92.2	92.1	10.7	10.7	0.009118
11:00	9.8	9.6	12.0	8.3	66.2	63.8	9.1	9.0	0.007846
12:00	7.8	7.1	11.0	8.6	53.6	51.3	7.9	7.6	0.006841
13:00	8.9	8.7	11.5	8.9	61.6	60.3	8.6	8.5	0.007414
14:00	11.2	11.2	12.5	9.1	79.2	78.7	10.1	10.1	0.008638
15:00	11.9	12.4	12.3	9.4	95.4	97.7	10.6	10.9	0.00903
16:00	11.7	12.0	12.0	9.6	96.0	98.0	10.4	10.7	0.008894
17:00	11.8	12.2	12.1	9.7	95.8	97.7	10.5	10.8	0.008961
18:00	10.9	11.6	11.2	9.8	97.1	98.0	10.0	10.4	0.008457
19:00	10.0	11.0	10.2	9.8	97.4	99.0	9.4	10.0	0.007931
20:00	10.2	11.1	10.4	9.8	97.4	99.1	9.5	10.1	0.008032
21:00	10.4	11.3	10.5	9.8	97.5	99.0	9.6	10.2	0.008124
22:00	10.5	11.3	10.7	9.8	97.6	99.0	9.7	10.2	0.008185
23:00	10.6	11.5	10.8	9.8	97.7	99.1	9.8	10.3	0.008257
Avg	9.6	10.2	10.2	8.7	91.6	92.8	9.2	9.5	0.007763
Max	12.1	12.4	12.6	9.8	97.9	99.8	10.7	10.9	0.009118
Hr. of Max	10	15	10	23	09	09	10	15	10
Min	6.9	7.1	7.1	7.6	53.6	51.3	7.7	7.6	0.006372
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)

2/7/2017

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	0.0066	10.0	10.3	.00	29.10	985.5	-2.4	.00	90.4
01:00	0.006936	10.2	10.9	.00	29.08	984.8	-2.3	.00	168.3
02:00	0.007059	10.5	11.0	.00	29.07	984.5	-2.2	.00	202.4
03:00	0.007093	10.6	11.1	.00	29.06	984.2	-2.4	.00	150.8
04:00	0.007498	10.8	11.7	.00	29.03	983.2	-2.0	.00	53.5
05:00	0.007653	11.1	11.9	.00	29.02	982.7	-2.1	.00	104.4
06:00	0.00753	11.2	11.8	.00	29.01	982.4	-2.2	.00	226.2
07:00	0.007493	11.1	11.7	.00	29.00	982.2	1.8	.00	48.8
08:00	0.00782	11.8	12.2	.00	29.00	982.1	92.9	.13	67.9
09:00	0.008445	13.0	13.2	.00	28.99	981.8	195.4	.28	106.1
10:00	0.009126	14.2	14.2	.00	28.96	980.7	389.4	.56	199.3
11:00	0.007727	12.2	12.0	.00	28.93	979.9	203.8	.29	239.4
12:00	0.006539	10.6	10.2	.00	28.89	978.4	178.8	.26	225.6
13:00	0.007285	11.5	11.3	.00	28.87	977.6	92.5	.13	229.3
14:00	0.008634	13.4	13.4	.03	28.86	977.4	38.0	.05	215.9
15:00	0.009282	14.0	14.4	.32	28.89	978.5	26.3	.04	218.0
16:00	0.009095	13.8	14.1	.02	28.84	976.8	61.9	.09	187.7
17:00	0.009201	13.9	14.2	.00	28.84	976.8	26.1	.04	212.4
18:00	0.008806	13.1	13.6	.00	28.85	977.1	-.6	.00	248.6
19:00	0.008509	12.3	13.2	.00	28.85	977.0	-2.3	.00	118.4
20:00	0.00854	12.5	13.2	.00	28.85	976.9	-2.8	.00	65.8
21:00	0.008631	12.6	13.4	.00	28.84	976.8	-2.3	.00	193.2
22:00	0.008648	12.7	13.4	.00	28.86	977.3	-2.3	.00	213.2
23:00	0.008745	12.8	13.6	.00	28.86	977.5	-1.9	.00	63.8
Avg	0.008037	12.1	12.5	.02	28.94	980.1	53.3	.08	172.0
Max	0.009282	14.2	14.4	.32	29.10	985.5	389.4	.56	248.6
Hr. of Max	15	10	15	15	00	00	10	10	18
Min	0.006539	10.0	10.2	.00	28.84	976.8	-2.8	.00	48.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/7/2017

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	119.5	204.5	238.5	235.1	29.1	33.5	42.0	.2	.2
01:00	268.5	296.4	205.9	289.5	24.7	34.5	15.4	.8	1.5
02:00	221.6	258.9	237.3	254.1	55.3	28.2	20.0	.6	1.4
03:00	144.5	329.7	248.5	316.3	33.1	40.2	26.7	.1	.5
04:00	43.4	54.8	23.5	45.2	44.7	12.2	18.6	.6	1.8
05:00	325.7	302.5	125.1	291.9	36.2	71.8	46.4	.3	.3
06:00	230.3	211.5	235.4	207.4	44.0	39.1	30.4	1.6	1.8
07:00	10.9	190.6	9.1	349.6	50.4	41.7	53.5	.3	.6
08:00	45.3	32.1	30.9	18.1	22.5	13.9	18.1	.6	1.7
09:00	78.1	16.9	109.6	351.9	47.6	37.1	58.0	.9	.4
10:00	226.3	228.7	213.6	223.5	31.9	45.1	37.5	2.3	3.2
11:00	241.3	235.3	239.6	231.1	22.3	16.6	12.5	5.8	8.6
12:00	228.4	224.9	226.1	220.9	20.6	15.6	12.8	8.1	11.4
13:00	234.8	232.6	229.5	228.6	18.6	14.2	10.8	10.9	15.3
14:00	221.0	217.2	216.2	213.1	22.7	17.5	13.6	9.8	13.4
15:00	225.7	224.4	218.6	220.3	20.3	16.2	13.7	6.8	9.5
16:00	193.7	187.5	190.9	182.6	24.4	20.2	16.1	3.8	5.7
17:00	214.9	204.5	214.5	199.3	23.0	17.7	13.8	4.2	6.1
18:00	244.3	232.9	250.0	229.0	25.6	13.9	11.4	2.3	4.2
19:00	277.4	272.0	267.5	266.8	58.6	29.6	17.2	.3	1.3
20:00	275.7	258.1	257.7	250.1	45.8	64.1	53.6	.3	.2
21:00	249.7	266.3	226.9	261.2	38.1	20.9	13.8	.5	1.4
22:00	253.5	248.5	238.8	243.8	41.9	25.3	9.0	.8	1.8
23:00	300.6	257.3	17.8	252.7	20.7	45.9	10.7	.4	.4
Avg	242.0	245.0	231.0	250.0	33.4	29.8	24.0	.0	.0
Max	325.7	329.7	267.5	351.9	58.6	71.8	58.0	10.9	15.3
Hr. of Max	05	03	19	09	19	05	09	13	13
Min	10.9	16.9	9.1	18.1	18.6	12.2	9.0	.1	.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)

2/7/2017

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	.5	.4	.6	.7	.9	1.1	2.7	-2.7	.04
01:00	3.6	.8	1.9	3.8	1.5	3.7	2.9	3.1	.08
02:00	2.4	.9	1.6	2.6	1.4	2.7	-.2	1.8	-.02
03:00	1.0	.6	.8	1.5	1.1	1.6	.8	.9	.01
04:00	1.7	.7	2.0	1.9	1.2	2.2	2.2	1.2	.02
05:00	1.6	.7	1.1	2.2	1.2	2.5	2.5	1.1	.06
06:00	2.1	2.2	2.3	2.5	2.5	2.7	1.7	1.6	.07
07:00	.1	1.2	1.3	1.1	1.6	1.4	1.2	-1.1	.00
08:00	1.0	.7	1.8	1.1	1.3	1.4	-.9	-.4	-.06
09:00	.5	1.0	1.0	1.0	1.5	1.4	2.0	-5.3	.09
10:00	4.5	2.7	3.5	4.8	3.2	5.2	-3.5	-5.6	-.22
11:00	11.0	6.2	8.9	11.4	6.8	12.0	1.0	-.7	-.06
12:00	14.4	8.6	11.9	14.8	9.5	15.6	.7	-1.3	-.19
13:00	18.2	11.5	15.8	18.7	12.6	19.7	.3	-1.0	-.35
14:00	16.9	10.5	14.0	17.4	11.3	18.2	2.3	-.5	.13
15:00	11.9	7.5	10.3	12.8	8.1	13.3	1.1	-.2	-.10
16:00	7.7	4.3	6.1	8.1	4.6	8.3	2.6	.0	.06
17:00	7.8	4.5	6.4	8.1	5.0	8.5	-1.0	-2.1	-.22
18:00	5.9	2.8	4.6	6.2	3.2	6.5	-1.2	-1.2	-.10
19:00	2.9	.8	1.5	3.1	1.2	3.1	.8	1.5	.02
20:00	.6	.7	.8	1.3	1.2	1.5	4.7	-.7	.09
21:00	3.0	.9	1.7	3.2	1.4	3.3	2.5	.7	.05
22:00	3.5	1.1	2.0	3.6	1.6	3.8	.8	-.4	.01
23:00	3.0	.5	.8	3.0	.9	3.2	2.4	.5	.04
Avg	.0	3.0	4.3	5.6	3.5	6.0	1.2	-.5	-.02
Max	18.2	11.5	15.8	18.7	12.6	19.7	4.7	3.1	.13
Hr. of Max	13	13	13	13	13	13	20	01	14
Min	.1	.4	.6	.7	.9	1.1	-3.5	-5.6	-.35
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/7/2017

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	-.05	2.3	3.7	6.6	9.9	19.1	8.3	8.4
01:00	.14	2.7	4.8	10.1	10.7	10.6	9.0	9.9
02:00	.08	3.0	6.2	9.2	7.5	7.1	9.3	10.0
03:00	.02	3.0	3.2	6.0	9.0	11.9	9.3	10.6
04:00	.06	2.7	3.2	3.4	11.8	8.5	10.1	10.8
05:00	.07	3.7	4.6	8.7	14.0	16.2	10.4	11.0
06:00	.12	6.6	5.5	6.0	8.5	14.0	10.2	10.5
07:00	-.02	3.0	3.4	5.0	9.0	10.7	10.1	10.5
08:00	-.01	3.2	3.4	3.4	16.7	12.7	10.8	10.8
09:00	-.12	3.9	4.1	3.4	22.9	23.6	12.1	11.8
10:00	-.42	13.1	16.5	16.7	22.0	16.9	14.9	14.3
11:00	-.26	19.7	19.5	18.8	14.9	8.9	17.4	16.9
12:00	-.59	25.0	27.9	29.8	14.7	9.4	17.9	17.4
13:00	-.59	26.8	30.0	33.0	14.5	8.1	17.2	16.6
14:00	-.48	34.3	46.9	48.5	15.6	9.9	16.0	15.5
15:00	-.23	25.4	29.1	30.9	13.5	9.0	14.0	13.5
16:00	-.16	12.8	16.0	19.2	17.0	11.2	13.6	13.1
17:00	-.40	11.9	18.5	22.0	15.0	10.4	13.8	13.2
18:00	-.17	7.8	13.5	16.5	9.9	5.1	12.9	12.6
19:00	.08	3.2	6.0	7.8	11.6	6.5	12.1	12.4
20:00	-.04	4.4	3.7	5.7	12.2	17.7	12.2	12.3
21:00	.03	2.3	4.8	7.1	10.0	6.2	12.3	12.5
22:00	-.03	3.2	4.1	6.0	8.0	4.9	12.4	12.5
23:00	-.01	2.3	3.9	8.7	10.3	7.5	12.6	13.0
Avg	-.12	9.4	11.8	13.9	12.9	11.1	12.5	12.5
Max	.14	34.3	46.9	48.5	22.9	23.6	17.9	17.4
Hr. of Max	01	14	14	14	09	09	12	12
Min	-.59	2.3	3.2	3.4	7.5	4.9	8.3	8.4
Count	24	24	24	24	24	24	24	24
Total								