Date Printed: 04/16/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/15/2017

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	16.7	19.1	19.9	21.5	2.43	3.17	4.78	.73	2.35
01:00	15.5	17.8	18.8	20.1	2.27	3.32	4.65	1.05	2.38
02:00	14.4	16.5	17.6	19.7	2.11	3.19	5.29	1.08	3.18
03:00	13.9	15.8	16.8	19.3	1.92	2.90	5.42	.98	3.49
04:00	13.9	15.9	16.8	19.1	2.00	2.86	5.16	.87	3.16
05:00	13.2	15.2	16.4	18.8	2.00	3.18	5.59	1.18	3.58
06:00	12.4	14.4	15.7	17.2	2.01	3.23	4.80	1.22	2.78
07:00	12.8	14.3	15.0	17.2	1.57	2.20	4.41	.62	2.84
08:00	15.5	15.7	16.3	18.3	.12	.80	2.79	.68	2.67
09:00	18.8	18.6	18.8	19.1	-.21	-.05	.25	.16	.47
10:00	21.6	21.0	20.7	20.6	-.52	-.83	-.96	-.31	-.44
11:00	23.8	22.9	22.6	22.4	-.88	-1.26	-1.39	-.38	-.50
12:00	25.1	24.2	23.9	23.7	-.89	-1.25	-1.41	-.35	-.51
13:00	26.1	25.1	24.8	24.6	-1.00	-1.39	-1.52	-.39	-.52
14:00	26.6	25.7	25.4	25.3	-.84	-1.17	-1.27	-.33	-.43
15:00	27.5	26.7	26.3	26.2	-.85	-1.18	-1.30	-.32	-.44
16:00	28.0	27.3	26.9	26.8	-.71	-1.05	-1.21	-.33	-.50
17:00	27.9	27.5	27.1	27.0	-.43	-.75	-.87	-.33	-.45
18:00	27.2	27.1	26.9	26.8	-.09	-.33	-.41	-.24	-.32
19:00	25.8	26.0	25.9	25.9	.21	.11	.16	-.09	-.04
20:00	23.0	24.5	24.6	24.8	1.47	1.60	1.83	.13	.36
21:00	19.6	22.7	23.2	23.6	3.08	3.58	3.95	.50	.87
22:00	17.8	21.5	22.1	22.4	3.71	4.29	4.61	.58	.90
23:00	16.7	21.0	21.6	21.8	4.31	4.87	5.06	.56	.75
Avg	20.2	21.1	21.4	22.2	.95	1.25	2.02	.30	1.07
Max	28.0	27.5	27.1	27.0	4.31	4.87	5.59	1.22	3.58
Hr. of Max	16	17	17	17	23	23	05	06	05
Min	12.4	14.3	15.0	17.2	-1.00	-1.39	-1.52	-.39	-.52
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/15/2017

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	11.0	11.1	12.9	18.9	70.3	60.8	9.9	9.9	0.008395
01:00	11.0	11.0	12.5	18.7	75.7	65.5	9.9	9.8	0.008369
02:00	10.8	11.1	12.0	18.5	79.9	71.2	9.8	9.9	0.008248
03:00	10.8	11.2	11.8	18.4	82.8	75.4	9.8	10.0	0.008252
04:00	11.1	11.5	12.0	18.2	84.1	76.2	10.0	10.2	0.008399
05:00	11.0	11.7	11.8	18.0	88.1	81.1	10.0	10.4	0.00837
06:00	10.8	11.8	11.3	17.8	90.9	85.6	9.8	10.5	0.008218
07:00	11.2	11.9	11.8	17.7	91.7	86.6	10.1	10.5	0.008474
08:00	12.6	12.1	13.6	17.5	84.0	80.4	11.0	10.6	0.00928
09:00	13.3	12.7	15.1	17.4	71.6	70.0	11.4	11.0	0.009718
10:00	13.3	12.7	16.1	17.4	60.6	60.0	11.3	10.9	0.009757
11:00	13.2	12.6	16.7	17.5	52.5	53.3	11.2	10.8	0.009704
12:00	13.3	12.7	17.2	17.8	49.1	49.8	11.2	10.8	0.009804
13:00	11.9	11.4	16.7	18.3	42.2	43.2	10.2	9.9	0.008981
14:00	11.2	10.7	16.3	18.8	39.3	39.8	9.8	9.4	0.008578
15:00	9.4	8.7	15.4	19.2	33.0	33.1	8.6	8.3	0.007609
16:00	8.3	7.5	14.8	19.5	29.7	29.4	8.0	7.6	0.007075
17:00	7.8	7.1	14.5	19.7	29.0	28.4	7.8	7.4	0.006859
18:00	8.1	7.5	14.5	19.8	30.9	29.7	8.0	7.6	0.007011
19:00	7.6	7.0	13.7	19.9	32.3	30.7	7.7	7.4	0.006747
20:00	7.8	6.9	12.9	19.9	38.9	33.2	7.9	7.4	0.006822
21:00	9.0	7.6	12.5	19.8	51.0	38.6	8.5	7.7	0.007328
22:00	9.2	8.2	12.1	19.6	58.0	43.0	8.7	8.1	0.007438
23:00	9.6	8.3	11.9	19.4	63.7	44.9	9.0	8.2	0.007607
Avg	10.6	10.2	13.8	18.7	59.6	54.6	9.6	9.3	0.00821
Max	13.3	12.7	17.2	19.9	91.7	86.6	11.4	11.0	0.009804
Hr. of Max	12	12	12	20	07	07	09	09	12
Min	7.6	6.9	11.3	17.4	29.0	28.4	7.7	7.4	0.006747
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)

4/15/2017

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	0.008468	13.2	13.3	.00	29.31	992.6	-1.8	.00	95.3
01:00	0.008366	13.2	13.2	.00	29.32	992.8	-2.9	.00	155.6
02:00	0.008412	13.0	13.2	.00	29.32	992.8	-2.6	.00	197.4
03:00	0.008503	13.0	13.4	.00	29.32	992.8	-2.4	.00	99.9
04:00	0.008662	13.2	13.6	.00	29.32	993.0	-2.1	.00	267.6
05:00	0.008777	13.2	13.8	.00	29.33	993.3	-1.9	.00	134.7
06:00	0.008823	13.0	13.9	.00	29.35	994.0	-1.9	.00	207.3
07:00	0.00887	13.4	14.0	.00	29.37	994.7	33.9	.05	168.9
08:00	0.008961	14.6	14.1	.00	29.40	995.6	121.5	.17	166.3
09:00	0.009371	15.3	14.8	.00	29.41	996.1	263.7	.38	214.6
10:00	0.009355	15.4	14.8	.00	29.42	996.3	474.6	.68	224.4
11:00	0.009333	15.3	14.7	.00	29.41	996.0	736.2	1.06	230.4
12:00	0.009431	15.4	14.9	.00	29.38	995.1	789.6	1.13	216.8
13:00	0.008653	14.1	13.6	.00	29.35	994.1	838.2	1.20	202.2
14:00	0.008265	13.5	13.0	.00	29.33	993.2	742.2	1.06	192.2
15:00	0.007266	12.0	11.5	.00	29.30	992.2	763.2	1.09	216.7
16:00	0.006715	11.1	10.6	.00	29.27	991.3	639.8	.92	209.7
17:00	0.006547	10.8	10.3	.00	29.26	990.9	366.2	.52	219.6
18:00	0.006715	11.0	10.6	.00	29.26	990.8	182.6	.26	219.1
19:00	0.006482	10.6	10.2	.00	29.26	990.8	71.1	.10	229.7
20:00	0.006405	10.7	10.1	.00	29.26	990.9	.5	.00	206.6
21:00	0.006703	11.5	10.6	.00	29.27	991.3	-1.6	.00	194.7
22:00	0.006952	11.7	11.0	.00	29.29	991.8	-1.3	.00	212.0
23:00	0.007016	12.0	11.1	.00	29.29	991.9	-2.1	.00	155.7
Avg	0.008044	12.9	12.7	.00	29.33	993.1	250.1	.36	196.0
Max	0.009431	15.4	14.9	.00	29.42	996.3	838.2	1.20	267.6
Hr. of Max	12	12	12	23	10	10	13	13	04
Min	0.006405	10.6	10.1	.00	29.26	990.8	-2.9	.00	95.3
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)

4/15/2017

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	47.9	267.5	80.4	252.5	10.2	37.4	21.8	.1	.4
01:00	242.7	233.6	249.8	228.2	58.7	31.7	21.5	.5	.8
02:00	231.2	235.6	239.4	231.1	48.8	21.5	13.5	.5	1.9
03:00	238.4	232.7	255.1	229.1	22.3	10.9	5.5	.0	1.6
04:00	237.8	235.6	248.1	230.9	31.9	18.3	9.2	.4	.9
05:00	227.9	241.5	238.9	236.3	24.7	9.0	11.5	.0	1.9
06:00	239.6	220.7	235.4	217.1	49.9	11.8	8.3	.4	2.5
07:00	242.2	243.5	239.9	238.6	35.5	11.9	7.2	.3	1.9
08:00	228.7	262.2	233.3	257.5	34.8	9.3	6.3	.4	2.3
09:00	256.4	262.3	226.4	257.8	24.8	16.1	13.8	1.9	3.0
10:00	234.3	231.4	226.0	227.2	27.5	21.4	17.0	4.5	6.2
11:00	234.0	229.7	232.5	225.8	22.4	16.0	14.0	7.8	10.3
12:00	226.1	222.8	217.8	218.3	28.0	24.4	19.9	6.6	8.2
13:00	208.1	206.2	204.4	201.6	35.5	27.3	22.1	7.1	9.1
14:00	203.3	202.0	194.5	196.9	38.1	32.2	28.6	5.2	6.8
15:00	221.4	216.5	216.8	212.3	31.5	24.8	22.0	6.4	8.1
16:00	218.3	213.5	210.7	209.5	34.3	28.4	24.0	6.8	8.5
17:00	226.0	224.1	220.5	220.2	24.4	19.3	15.8	8.2	10.8
18:00	226.1	223.9	220.4	220.1	22.2	16.5	13.7	6.2	8.6
19:00	235.0	231.6	230.9	227.7	23.6	15.3	11.0	4.4	7.2
20:00	212.2	209.5	230.9	205.6	20.3	11.3	8.8	1.7	4.0
21:00	198.1	195.7	249.4	191.2	53.5	14.8	8.9	.3	3.2
22:00	208.9	200.7	268.2	196.3	54.9	13.2	8.9	.6	2.9
23:00	220.9	206.6	279.4	202.2	52.5	14.9	9.6	.5	2.5
Avg	226.0	226.0	232.0	222.0	33.8	19.1	14.3	.0	.0
Max	256.4	267.5	279.4	257.8	58.7	37.4	28.6	8.2	10.8
Hr. of Max	09	00	23	09	01	00	14	17	17
Min	47.9	195.7	80.4	191.2	10.2	9.0	5.5	.0	.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/15/2017

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	.1	.4	.5	.6	.8	1.7	-2.0	.02
01:00	1.7	.7	.9	1.9	1.4	2.1	.9	-1.1	.02
02:00	3.6	.8	2.0	3.7	1.4	4.0	1.1	-.3	.01
03:00	2.9	.0	1.7	3.0	.8	3.2	2.1	-.5	.03
04:00	1.9	.5	.9	2.0	1.1	2.2	1.8	-.9	.03
05:00	2.1	.0	1.9	2.2	.9	2.4	2.0	.3	.04
06:00	2.7	.5	2.5	2.8	1.3	3.0	1.9	-1.3	.04
07:00	3.4	.3	1.9	3.5	1.1	3.7	2.0	.1	.02
08:00	3.7	.5	2.4	3.8	1.0	3.9	1.6	.9	.02
09:00	4.2	2.1	3.1	4.4	2.5	4.7	.8	-.6	-.08
10:00	7.5	5.0	6.5	7.8	5.6	8.3	2.9	-1.2	.12
11:00	11.7	8.3	10.7	12.0	9.0	12.8	-1.4	-3.2	-.43
12:00	9.6	7.5	9.0	10.2	8.0	10.9	.3	-.3	-.17
13:00	10.5	8.4	10.1	11.3	9.0	11.9	.1	-1.2	-.16
14:00	7.7	6.5	7.8	8.6	7.3	9.2	2.3	1.6	.07
15:00	9.7	7.5	9.0	10.4	8.2	11.1	1.0	-1.2	-.11
16:00	10.0	7.8	9.5	10.8	8.5	11.5	1.3	-2.1	-.06
17:00	12.9	8.9	11.4	13.4	9.4	14.1	.4	-2.3	-.17
18:00	10.1	6.7	8.9	10.4	7.2	11.1	.8	-2.1	-.15
19:00	9.6	4.8	7.5	9.8	5.3	10.4	1.7	-.6	-.02
20:00	6.3	1.8	4.1	6.4	2.4	6.8	.0	.3	-.05
21:00	5.9	.6	3.3	6.0	1.3	6.2	1.2	-.4	.00
22:00	5.3	.7	3.0	5.4	1.2	5.6	.6	-1.0	.01
23:00	4.7	.6	2.6	4.8	1.1	5.1	1.3	-1.6	.01
Avg	.0	3.4	5.0	6.5	4.0	6.9	1.2	-.9	-.04
Max	12.9	8.9	11.4	13.4	9.4	14.1	2.9	1.6	.12
Hr. of Max	17	17	17	17	17	17	10	14	10
Min	.5	.0	.4	.5	.6	.8	-1.4	-3.2	-.43
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/15/2017

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	.9	2.3	3.4	7.5	10.4	19.7	21.8
01:00	-.02	3.9	5.3	5.0	12.4	16.2	18.3	20.5
02:00	-.03	3.9	5.3	7.1	11.3	7.7	17.2	20.2
03:00	-.03	.9	8.0	10.1	6.1	2.7	16.4	19.8
04:00	-.03	1.8	2.5	5.3	5.9	4.7	16.6	19.5
05:00	.01	.9	3.0	6.6	6.6	4.0	15.8	19.3
06:00	-.07	2.1	4.4	5.0	5.7	3.0	15.1	17.8
07:00	.00	1.8	5.0	5.5	8.6	3.3	15.0	17.8
08:00	.05	3.2	4.1	6.2	10.3	5.1	16.4	18.7
09:00	-.10	6.0	7.1	9.8	17.4	11.2	19.4	19.3
10:00	-.32	13.1	15.3	17.6	17.9	13.7	21.6	20.7
11:00	-.78	19.9	21.1	23.4	15.5	10.5	23.4	22.4
12:00	-.35	18.8	22.7	23.4	17.0	15.4	24.7	23.7
13:00	-.55	20.6	23.1	22.7	16.6	15.6	25.5	24.5
14:00	-.10	17.6	26.3	26.3	18.0	18.7	26.1	25.1
15:00	-.40	20.4	23.8	23.1	17.8	14.8	26.8	25.8
16:00	-.58	27.2	42.8	42.8	17.2	14.3	27.3	26.4
17:00	-.69	20.4	21.5	21.5	14.7	9.9	27.5	26.6
18:00	-.57	18.5	25.4	37.3	15.3	9.2	27.2	26.5
19:00	-.21	14.9	17.2	23.6	16.9	7.9	26.2	25.7
20:00	-.01	9.6	18.1	27.5	12.1	6.7	24.7	24.7
21:00	-.07	5.7	7.6	15.1	15.4	5.1	23.0	23.6
22:00	-.13	3.4	7.8	9.2	14.3	6.8	21.8	22.5
23:00	-.19	3.7	6.6	11.7	17.0	8.0	21.3	21.8
Avg	-.22	10.0	13.6	16.2	13.2	9.4	21.5	22.3
Max	.05	27.2	42.8	42.8	18.0	18.7	27.5	26.6
Hr. of Max	08	16	16	16	14	14	17	17
Min	-.78	.9	2.3	3.4	5.7	2.7	15.0	17.8
Count	24	24	24	24	24	24	24	24
Total								