Date Printed: 04/26/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/25/2017

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	12.7	14.3	14.8	15.2	1.57	2.07	2.48	.51	.91
01:00	11.9	14.2	14.8	15.1	2.32	2.93	3.16	.61	.84
02:00	11.3	12.9	13.8	14.3	1.59	2.50	2.98	.91	1.39
03:00	12.0	12.9	13.2	14.0	.88	1.20	1.97	.32	1.09
04:00	11.7	12.5	12.9	13.5	.84	1.19	1.82	.35	.98
05:00	10.9	11.8	12.2	12.9	.90	1.33	2.03	.44	1.13
06:00	10.9	11.7	12.1	12.3	.77	1.13	1.42	.36	.65
07:00	11.0	11.4	12.0	12.3	.46	1.07	1.37	.61	.91
08:00	13.3	13.1	13.0	13.2	-.17	-.29	-.12	-.13	.05
09:00	16.1	15.6	15.3	15.2	-.49	-.77	-.93	-.27	-.44
10:00	17.7	17.3	17.0	16.8	-.42	-.72	-.89	-.30	-.47
11:00	17.8	17.4	17.1	17.0	-.40	-.70	-.81	-.29	-.41
12:00	18.3	17.7	17.4	17.3	-.55	-.86	-.97	-.31	-.42
13:00	19.7	19.1	18.8	18.7	-.60	-.90	-1.00	-.29	-.39
14:00	21.0	20.3	20.0	19.9	-.70	-1.02	-1.10	-.32	-.39
15:00	22.2	21.5	21.1	21.0	-.74	-1.04	-1.18	-.31	-.44
16:00	23.0	22.4	22.1	21.9	-.55	-.92	-1.07	-.37	-.52
17:00	23.5	23.1	22.8	22.6	-.39	-.70	-.85	-.31	-.46
18:00	23.4	23.2	22.9	22.8	-.17	-.44	-.58	-.27	-.41
19:00	22.1	22.3	22.0	22.0	.18	-.04	-.13	-.22	-.31
20:00	19.1	20.6	20.6	20.6	1.52	1.54	1.56	.02	.04
21:00	16.8	19.2	19.4	19.5	2.36	2.52	2.66	.15	.30
22:00	15.6	17.6	17.9	18.5	2.06	2.33	2.95	.28	.90
23:00	14.3	16.1	16.3	17.6	1.81	2.03	3.31	.22	1.50
Avg	16.5	17.0	17.1	17.3	.50	.56	.75	.06	.25
Max	23.5	23.2	22.9	22.8	2.36	2.93	3.31	.91	1.50
Hr. of Max	17	18	18	18	21	01	23	02	23
Min	10.9	11.4	12.0	12.3	-.74	-1.04	-1.18	-.37	-.52
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/25/2017

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	12.2	12.7	12.4	17.3	97.7	91.3	10.8	11.1	0.009185
01:00	11.4	11.5	11.5	17.2	97.9	84.7	10.2	10.2	0.0087
02:00	10.8	11.6	11.0	17.1	97.8	92.9	9.9	10.4	0.008377
03:00	11.5	11.6	11.6	17.0	97.9	93.5	10.3	10.4	0.008762
04:00	11.2	11.9	11.3	16.9	97.9	97.6	10.1	10.6	0.00858
05:00	10.4	11.3	10.5	16.8	97.8	98.5	9.6	10.2	0.008123
06:00	10.4	11.3	10.6	16.7	97.8	98.6	9.6	10.2	0.008145
07:00	10.4	11.0	10.6	16.6	97.8	98.7	9.7	10.0	0.008168
08:00	12.3	12.0	12.7	16.5	95.5	94.5	10.9	10.6	0.009283
09:00	12.1	11.3	13.4	16.5	78.4	76.6	10.6	10.1	0.009131
10:00	12.5	11.7	14.2	16.5	72.9	70.8	10.9	10.3	0.009412
11:00	12.6	12.1	14.3	16.6	72.5	72.0	10.9	10.6	0.009427
12:00	12.5	11.7	14.4	16.7	70.1	69.2	10.8	10.3	0.009377
13:00	12.6	11.7	15.0	16.9	64.9	63.4	10.9	10.3	0.009515
14:00	12.4	11.5	15.3	17.1	59.0	57.9	10.7	10.1	0.009381
15:00	12.6	11.5	15.8	17.4	55.6	54.2	10.8	10.1	0.009491
16:00	12.5	11.4	16.0	17.7	52.7	50.5	10.7	9.9	0.009467
17:00	12.4	11.5	16.1	18.0	50.8	48.9	10.6	10.0	0.00941
18:00	12.8	12.0	16.3	18.2	52.5	50.5	10.9	10.4	0.009636
19:00	12.9	12.6	16.0	18.4	57.2	55.3	11.0	10.8	0.009707
20:00	13.4	13.0	15.3	18.5	71.3	63.0	11.5	11.1	0.010029
21:00	13.7	12.9	14.7	18.5	83.0	68.3	11.7	11.1	0.010159
22:00	13.3	12.8	14.0	18.4	87.9	75.0	11.5	11.1	0.009901
23:00	12.9	13.0	13.4	18.3	92.6	83.2	11.2	11.3	0.009627
Avg	12.2	11.9	13.6	17.3	79.1	75.4	10.7	10.5	0.009208
Max	13.7	13.0	16.3	18.5	97.9	98.7	11.7	11.3	0.010159
Hr. of Max	21	23	18	21	04	07	21	23	21
Min	10.4	11.0	10.5	16.5	50.8	48.9	9.6	9.9	0.008123
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)

4/25/2017

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	0.009507	14.2	14.7	.00	28.83	976.4	-2.4	.00	51.1
01:00	0.008764	13.5	13.6	.00	28.83	976.5	-2.0	.00	50.2
02:00	0.008829	13.0	13.7	.00	28.84	976.6	-2.3	.00	244.7
03:00	0.00886	13.6	13.7	.00	28.83	976.5	-2.5	.00	78.0
04:00	0.009042	13.3	14.0	.00	28.83	976.4	-2.6	.00	60.1
05:00	0.008689	12.6	13.5	.00	28.84	976.8	-1.9	.00	201.4
06:00	0.008642	12.6	13.4	.00	28.85	977.1	-1.2	.00	9.4
07:00	0.008498	12.7	13.2	.00	28.86	977.4	40.8	.06	163.6
08:00	0.00908	14.4	14.1	.00	28.87	977.8	201.5	.29	136.8
09:00	0.008638	14.1	13.4	.00	28.88	978.0	530.1	.76	205.3
10:00	0.008901	14.6	13.8	.00	28.89	978.3	530.6	.76	149.5
11:00	0.009127	14.6	14.1	.00	28.89	978.5	269.3	.39	106.4
12:00	0.008939	14.5	13.9	.00	28.89	978.2	515.7	.74	116.9
13:00	0.008947	14.7	13.9	.00	28.87	977.6	768.7	1.07 +	142.5
14:00	0.00881	14.5	13.6	.00	28.85	977.1	706.5	1.01	215.2
15:00	0.008845	14.7	13.7	.00	28.84	976.6	811.7	1.16	200.7
16:00	0.00877	14.6	13.6	.00	28.82	976.0	709.7	1.02	191.4
17:00	0.008831	14.5	13.7	.00	28.81	975.6	422.9	.61	244.7
18:00	0.009172	14.9	14.2	.00	28.81	975.6	267.6	.38	158.4
19:00	0.009492	15.0	14.7	.00	28.82	975.9	88.5	.13	111.3
20:00	0.009748	15.5	15.1	.00	28.82	976.0	2.6	.00	65.8
21:00	0.009703	15.7	15.0	.00	28.83	976.4	-2.1	.00	35.5
22:00	0.009621	15.3	14.9	.00	28.85	977.1	-2.3	.00	52.0
23:00	0.009719	14.9	15.0	.00	28.85	977.1	-2.5	.00	60.8
Avg	0.009049	14.3	14.0	.00	28.85	976.9	243.5	.35	123.0
Max	0.009748	15.7	15.1	.00	28.89	978.5	811.7	1.16	244.7
Hr. of Max	20	21	20	23	12	11	15	15	17
Min	0.008498	12.6	13.2	.00	28.81	975.6	-2.6	.00	9.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/25/2017

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	47.3	50.1	36.5	39.9	31.5	13.3	7.9	1.2	3.7
01:00	25.1	32.7	6.0	20.7	47.9	14.7	10.9	.7	3.9
02:00	328.7	17.1	260.6	7.0	42.2	33.2	28.1	.8	.3
03:00	55.9	53.9	316.9	38.1	32.1	27.5	25.7	.4	.9
04:00	62.0	61.8	22.0	53.7	22.0	15.9	21.4	.7	1.3
05:00	224.4	253.7	238.1	246.5	55.1	33.4	20.7	1.2	1.5
06:00	19.0	120.6	302.3	122.2	47.6	47.7	45.8	.4	.2
07:00	278.7	192.1	248.0	187.2	19.6	47.0	23.2	.6	1.2
08:00	9.6	208.9	217.9	206.0	47.7	47.5	11.7	.8	1.0
09:00	216.1	211.8	208.7	206.5	25.7	21.5	23.2	2.9	3.4
10:00	178.9	186.8	165.7	180.7	77.5	63.9	55.6	1.0	1.0
11:00	111.9	112.9	103.3	104.5	21.0	17.6	14.8	4.4	5.0
12:00	120.0	117.2	115.5	109.3	26.7	27.5	24.7	3.4	3.9
13:00	158.0	161.4	142.3	156.6	51.5	47.3	39.9	1.5	1.8
14:00	241.6	242.4	231.6	235.7	54.9	53.3	45.3	2.1	2.5
15:00	214.9	217.5	202.6	213.0	40.2	39.2	43.2	3.9	4.7
16:00	214.9	215.1	197.2	210.6	42.6	46.1	45.7	2.8	3.0
17:00	258.1	255.8	249.6	250.1	58.4	36.7	34.8	2.6	3.3
18:00	183.0	189.2	169.1	183.6	53.9	55.3	53.1	1.8	1.9
19:00	115.9	118.6	108.0	110.6	13.7	11.8	11.1	5.1	6.4
20:00	82.3	86.4	52.0	77.4	31.9	20.9	16.9	1.5	3.0
21:00	46.9	64.2	16.2	55.4	17.0	9.9	8.4	1.5	3.0
22:00	60.5	61.5	20.0	53.5	12.9	10.8	5.4	1.1	1.9
23:00	61.4	58.3	50.5	49.7	9.3	6.7	5.4	1.4	2.2
Avg	100.0	133.0	196.0	128.0	36.8	31.2	26.0	.0	.0
Max	328.7	255.8	316.9	250.1	77.5	63.9	55.6	5.1	6.4
Hr. of Max	02	17	03	17	10	10	10	19	19
Min	9.6	17.1	6.0	7.0	9.3	6.7	5.4	.4	.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)

4/25/2017

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	6.3	1.7	4.1	6.4	1.9	6.7	-.2	.4	-.04
01:00	5.7	1.1	4.1	5.8	1.5	6.1	2.0	3.0	.07
02:00	1.2	1.3	.7	1.6	1.6	1.8	.9	.3	.02
03:00	1.1	.6	1.0	1.3	1.1	1.6	2.3	.6	.05
04:00	2.2	.8	1.4	2.3	1.2	2.5	1.7	2.2	.02
05:00	1.3	1.3	1.7	1.9	1.9	2.2	-.1	2.1	.00
06:00	.7	.8	.9	1.2	1.1	1.5	1.5	1.7	.02
07:00	2.3	1.4	2.0	2.8	1.8	3.1	.3	-.3	.00
08:00	2.1	.9	1.2	2.1	1.3	2.4	1.5	-2.2	-.03
09:00	3.8	3.5	3.8	4.1	3.9	4.4	2.6	-1.4	.12
10:00	1.2	2.4	2.6	2.7	3.0	3.3	7.3	18.5	.43
11:00	5.3	4.6	5.2	5.5	5.4	6.1	2.6	2.1	.16
12:00	4.1	3.9	4.5	4.7	4.5	5.1	.1	-3.3	-.05
13:00	2.4	3.0	3.2	3.6	3.6	4.3	-3.3	-6.5	-.19
14:00	3.0	3.2	3.5	3.6	3.9	4.5	-3.7	-9.7	-.29
15:00	4.9	4.7	5.5	5.7	5.3	6.4	.9	-2.2	-.04
16:00	3.1	3.5	3.7	3.8	4.2	4.5	2.4	7.8	.06
17:00	3.7	3.2	3.8	4.1	3.7	4.6	-.3	-.6	-.09
18:00	2.0	2.4	2.8	2.9	3.0	3.4	1.9	1.1	.09
19:00	7.1	5.2	6.6	7.2	6.1	7.7	2.9	-.1	.21
20:00	4.0	1.8	3.3	4.2	2.2	4.5	.4	3.6	-.03
21:00	4.1	1.6	3.1	4.1	1.8	4.4	.8	.2	-.01
22:00	3.4	1.2	1.9	3.4	1.4	3.6	.6	2.9	.01
23:00	4.1	1.5	2.2	4.1	1.6	4.3	2.1	1.7	.06
Avg	.0	2.3	3.0	3.7	2.8	4.1	1.1	.9	.02
Max	7.1	5.2	6.6	7.2	6.1	7.7	7.3	18.5	.43
Hr. of Max	19	19	19	19	19	19	10	10	10
Min	.7	.6	.7	1.2	1.1	1.5	-3.7	-9.7	-.29
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/25/2017

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	.04	6.2	8.5	11.9	12.0	4.6	15.0	15.7
01:00	.28	5.0	10.1	11.4	22.4	7.9	14.8	15.5
02:00	.01	4.8	6.2	9.2	7.5	8.9	13.6	14.7
03:00	.05	2.7	3.2	4.8	10.0	10.9	13.6	14.5
04:00	.10	3.0	3.7	4.8	12.2	11.4	13.2	14.0
05:00	.06	4.6	4.8	4.6	6.1	6.9	12.5	13.5
06:00	.05	3.2	4.4	5.7	8.4	11.1	12.4	12.9
07:00	.00	3.7	4.6	6.2	7.3	6.9	12.1	12.9
08:00	-.14	5.0	5.5	6.4	21.5	7.8	13.9	13.6
09:00	-.18	7.6	8.2	9.4	19.7	18.2	16.2	15.4
10:00	1.16	6.9	6.6	10.5	25.8	23.3	18.0	17.3
11:00	.21	11.0	10.8	11.0	14.0	14.6	18.2	17.5
12:00	-.29	12.8	11.2	10.3	18.6	20.1	18.5	17.8
13:00	-.40	12.1	12.4	10.3	27.4	28.7	19.8	19.1
14:00	-.85	11.4	11.2	11.4	27.0	28.6	20.9	20.1
15:00	-.19	12.6	12.6	13.1	19.2	23.4	21.9	21.1
16:00	.47	15.3	16.3	15.6	21.6	25.7	22.9	22.1
17:00	-.10	10.1	10.1	10.5	23.5	23.4	23.6	22.9
18:00	-.02	8.0	8.5	9.2	22.0	25.4	23.8	23.2
19:00	-.06	10.5	15.3	15.8	11.6	10.2	23.0	22.4
20:00	.26	5.7	8.0	9.6	19.7	12.3	21.3	21.1
21:00	.00	6.4	8.7	7.8	11.2	6.6	20.0	20.0
22:00	.18	3.0	4.1	6.9	7.2	4.1	18.4	19.1
23:00	.14	2.5	3.7	6.0	8.1	4.7	16.9	18.2
Avg	.03	7.3	8.3	9.3	16.0	14.4	17.7	17.7
Max	1.16	15.3	16.3	15.8	27.4	28.7	23.8	23.2
Hr. of Max	10	16	16	19	13	13	18	18
Min	-.85	2.5	3.2	4.6	6.1	4.1	12.1	12.9
Count	24	24	24	24	24	24	24	24
Total								