Date Printed: 05/15/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/14/2017

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	11.4	13.6	14.3	15.6	2.19	2.98	4.22	.78	2.03
01:00	10.5	12.4	13.0	14.3	1.89	2.56	3.87	.67	1.98
02:00	10.0	11.7	12.0	12.7	1.73	2.02	2.73	.28	1.00
03:00	9.3	10.8	11.2	12.0	1.55	1.95	2.74	.40	1.19
04:00	8.6	10.2	10.6	11.2	1.61	2.00	2.56	.39	.94
05:00	8.3	9.6	10.2	11.0	1.36	1.90	2.71	.54	1.35
06:00	8.0	9.4	9.9	10.2	1.42	1.85	2.19	.43	.77
07:00	9.6	10.3	10.5	10.7	.68	.86	1.05	.18	.37
08:00	13.4	13.2	12.9	12.9	-.17	-.44	-.50	-.27	-.33
09:00	16.8	16.5	16.2	16.1	-.37	-.62	-.72	-.24	-.35
10:00	20.1	19.6	19.3	19.1	-.58	-.87	-1.00	-.29	-.43
11:00	21.9	21.0	20.7	20.6	-.87	-1.20	-1.32	-.33	-.45
12:00	23.5	22.6	22.3	22.2	-.89	-1.20	-1.28	-.31	-.39
13:00	25.1	24.0	23.7	23.6	-1.08	-1.33	-1.44	-.24	-.35
14:00	25.8	24.9	24.6	24.4	-.95	-1.29	-1.45	-.34	-.50
15:00	26.5	25.6	25.3	25.2	-.90	-1.21	-1.33	-.31	-.43
16:00	26.9	26.1	25.8	25.7	-.75	-1.09	-1.23	-.34	-.48
17:00	26.9	26.5	26.1	25.9	-.44	-.77	-.98	-.33	-.54
18:00	26.7	26.5	26.2	26.1	-.12	-.44	-.60	-.32	-.47
19:00	24.0	25.6	25.6	25.6	1.60	1.54	1.60	-.07	-.01
20:00	20.2	22.9	24.0	24.5	2.74	3.79	4.27	1.06	1.54
21:00	18.0	20.8	21.4	22.3	2.73	3.32	4.29	.59	1.56
22:00	16.5	19.0	19.6	21.1	2.47	3.11	4.53	.64	2.05
23:00	15.4	17.5	18.0	19.0	2.10	2.67	3.62	.57	1.52
Avg	17.6	18.3	18.5	18.8	.71	.84	1.19	.13	.48
Max	26.9	26.5	26.2	26.1	2.74	3.79	4.53	1.06	2.05
Hr. of Max	17	18	18	18	20	20	22	20	22
Min	8.0	9.4	9.9	10.2	-1.08	-1.33	-1.45	-.34	-.54
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/14/2017

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	8.7	8.5	9.6	19.3	84.8	72.4	8.6	8.4	0.007227
01:00	8.6	8.5	9.2	19.1	89.0	78.5	8.5	8.5	0.00715
02:00	8.5	8.8	9.0	18.9	91.5	83.1	8.5	8.6	0.007114
03:00	8.2	8.8	8.5	18.7	93.7	88.0	8.3	8.6	0.006953
04:00	7.7	8.9	8.0	18.5	94.9	92.7	8.1	8.8	0.006727
05:00	7.5	8.8	7.7	18.3	95.7	95.8	8.0	8.7	0.006616
06:00	7.3	8.8	7.5	18.1	96.1	97.1	7.9	8.7	0.006526
07:00	8.8	8.9	9.0	17.9	95.6	92.0	8.7	8.7	0.007239
08:00	9.9	8.8	11.1	17.7	80.8	75.6	9.3	8.6	0.007826
09:00	10.6	9.3	12.7	17.5	67.7	63.6	9.6	8.8	0.008201
10:00	10.2	8.8	13.5	17.5	54.0	50.9	9.3	8.5	0.008036
11:00	9.8	8.1	13.9	17.6	47.2	44.1	9.0	8.0	0.007846
12:00	10.1	8.6	14.6	17.7	43.7	41.7	9.2	8.3	0.008012
13:00	10.7	9.1	15.5	18.0	41.6	39.8	9.5	8.6	0.008365
14:00	11.2	9.8	16.1	18.4	40.9	39.3	9.8	8.9	0.008636
15:00	11.3	9.9	16.3	18.8	39.5	38.0	9.8	9.0	0.008691
16:00	10.7	9.1	16.1	19.1	37.4	35.0	9.5	8.5	0.008403
17:00	10.6	9.3	16.0	19.3	36.9	34.9	9.4	8.6	0.008303
18:00	10.7	9.6	16.0	19.5	37.7	35.4	9.4	8.8	0.008356
19:00	12.7	11.0	16.5	19.6	51.0	40.9	10.8	9.6	0.009544
20:00	13.9	12.2	16.0	19.7	68.5	52.0	11.8	10.5	0.010275
21:00	13.3	12.5	14.9	19.7	75.1	60.5	11.4	10.8	0.009844
22:00	13.0	13.0	14.2	19.7	81.0	69.5	11.2	11.2	0.009652
23:00	12.9	13.4	13.7	19.6	86.4	78.1	11.2	11.5	0.009553
Avg	10.3	9.7	12.7	18.7	67.9	62.5	9.5	9.1	0.008129
Max	13.9	13.4	16.5	19.7	96.1	97.1	11.8	11.5	0.010275
Hr. of Max	20	23	19	22	06	06	20	23	20
Min	7.3	8.1	7.5	17.5	36.9	34.9	7.9	8.0	0.006526
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)

5/14/2017

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	0.007128	11.3	11.1	.00	29.02	982.7	-1.9	.00	79.0
01:00	0.007138	11.2	11.2	.00	29.03	983.0	-2.4	.00	84.4
02:00	0.007255	11.1	11.3	.00	29.03	983.2	-2.2	.00	58.2
03:00	0.007242	10.9	11.3	.00	29.04	983.4	-2.2	.00	71.6
04:00	0.007325	10.5	11.4	.00	29.04	983.5	-2.3	.00	16.4
05:00	0.007261	10.4	11.4	.00	29.05	983.9	-2.2	.00	82.3
06:00	0.007255	10.2	11.4	.00	29.07	984.6	4.0	.01	63.2
07:00	0.007277	11.3	11.4	.00	29.09	985.0	96.4	.14	65.1
08:00	0.007233	12.2	11.3	.00	29.10	985.5	353.1	.51	125.9
09:00	0.00753	12.8	11.8	.00	29.12	986.0	562.8	.81	133.3
10:00	0.00731	12.6	11.5	.00	29.13	986.4	748.6	1.07	208.2
11:00	0.006953	12.3	10.9	.00	29.13	986.4	898.8	1.29	152.4
12:00	0.007229	12.5	11.3	.00	29.12	986.2	988.1	1.42	167.8
13:00	0.007498	13.1	11.7	.00	29.11	985.7	1020.9	1.46	200.4
14:00	0.007848	13.5	12.3	.00	29.09	985.2	995.5	1.43	213.6
15:00	0.007904	13.6	12.4	.00	29.07	984.5	913.7	1.31	209.8
16:00	0.007513	13.1	11.7	.00	29.05	983.8	663.3	.95	215.8
17:00	0.007648	13.0	11.9	.00	29.04	983.5	437.4	.63	195.2
18:00	0.00779	13.0	12.2	.00	29.04	983.4	335.3	.48	198.3
19:00	0.008513	14.9	13.3	.00	29.03	983.2	136.0	.19	224.1
20:00	0.009192	16.0	14.3	.00	29.03	983.2	8.4	.01	317.6
21:00	0.009392	15.3	14.6	.00	29.04	983.5	-2.3	.00	58.2
22:00	0.009668	15.0	15.1	.00	29.06	984.0	-1.9	.00	79.2
23:00	0.009874	14.9	15.4	.00	29.06	984.3	-2.5	.00	74.1
Avg	0.007791	12.7	12.2	.00	29.07	984.3	339.3	.49	125.0
Max	0.009874	16.0	15.4	.00	29.13	986.4	1020.9	1.46	317.6
Hr. of Max	23	20	23	23	11	11	13	13	20
Min	0.006953	10.2	10.9	.00	29.02	982.7	-2.5	.00	16.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/14/2017

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	85.8	20.6	320.6	12.9	25.9	6.1	29.2	.0	.3
01:00	51.3	95.7	332.2	109.1	47.4	35.5	12.8	.4	.5
02:00	62.8	66.7	34.4	55.4	13.3	7.8	15.9	1.0	1.9
03:00	81.4	47.6	307.3	38.1	49.1	12.2	9.7	.1	.8
04:00	53.0	48.3	292.4	41.0	50.6	57.7	21.3	.3	.1
05:00	214.8	183.7	268.5	178.9	30.8	25.8	9.4	.3	.8
06:00	138.1	236.6	352.4	190.7	29.8	30.6	34.5	.1	.3
07:00	56.6	55.3	51.9	47.3	15.6	17.6	6.3	1.0	1.6
08:00	157.9	59.0	159.8	46.5	21.9	38.4	54.5	.3	.3
09:00	155.0	160.5	145.7	154.9	29.7	39.8	41.3	1.1	.9
10:00	219.3	214.7	219.5	209.4	41.8	34.4	31.4	2.1	2.4
11:00	169.5	181.0	155.7	173.7	48.3	45.2	36.5	1.9	2.3
12:00	181.2	184.8	172.6	179.8	53.3	47.3	39.7	1.7	2.0
13:00	217.3	224.8	203.8	219.6	40.5	36.2	36.8	3.3	3.4
14:00	252.9	272.1	222.7	265.2	67.4	58.6	49.7	1.0	1.1
15:00	223.5	224.6	216.6	219.1	52.8	43.2	37.3	2.1	2.7
16:00	228.5	225.3	219.7	220.8	33.3	28.4	27.1	2.9	3.9
17:00	208.2	207.8	198.5	203.6	23.6	19.8	18.6	4.4	5.3
18:00	211.7	210.5	200.3	206.5	22.0	17.8	12.9	4.0	5.6
19:00	215.6	205.5	229.2	201.4	19.7	13.2	8.8	2.0	3.4
20:00	238.5	199.2	287.5	195.0	21.8	11.0	5.5	1.0	2.1
21:00	61.4	219.3	13.9	74.6	17.7	23.9	33.6	.1	1.4
22:00	68.0	18.1	332.0	40.2	41.9	9.4	34.9	.2	.9
23:00	60.2	110.5	325.3	83.4	13.0	12.4	22.8	.1	.9
Avg	159.0	180.0	253.0	156.0	33.8	28.0	26.3	.0	.0
Max	252.9	272.1	352.4	265.2	67.4	58.6	54.5	4.4	5.6
Hr. of Max	14	14	06	14	14	14	08	17	18
Min	51.3	18.1	13.9	12.9	13.0	6.1	5.5	.0	.1
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)

5/14/2017

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	.9	.0	.4	1.0	.5	1.4	1.0	-.4	.01
01:00	.2	.6	.7	.3	1.0	.6	1.6	-1.3	.02
02:00	2.5	1.0	2.0	2.5	1.3	2.7	.4	1.1	.01
03:00	2.3	.7	.9	2.4	1.2	2.6	1.5	.7	.02
04:00	1.2	.4	.2	1.3	1.0	1.5	-.5	.3	.00
05:00	1.4	.4	.8	1.4	.9	1.7	1.7	.0	.03
06:00	.1	.2	.4	.5	.7	.7	1.0	-.4	.01
07:00	2.7	1.0	1.6	2.7	1.1	2.9	3.4	.8	.07
08:00	.4	.4	.5	1.0	1.1	1.4	2.7	-3.9	.11
09:00	.9	1.4	1.3	1.3	2.0	1.8	-4.8	-7.1	-.15
10:00	2.5	2.5	2.8	2.9	3.1	3.5	-.6	-5.3	-.06
11:00	2.3	3.2	3.3	3.3	3.9	3.9	3.1	2.3	.15
12:00	2.4	3.2	3.1	3.2	3.9	4.1	-2.9	-6.2	-.22
13:00	3.3	4.0	4.1	3.9	4.6	4.7	-1.5	-3.0	-.20
14:00	1.4	3.0	3.3	3.3	3.7	4.1	3.2	-5.5	.17
15:00	2.9	3.7	4.1	4.3	4.4	5.1	.7	2.2	-.04
16:00	4.4	3.9	4.8	5.3	4.5	6.0	-1.8	-4.8	-.23
17:00	5.9	4.9	5.6	6.2	5.4	6.7	-.7	-3.0	-.17
18:00	6.5	4.4	5.9	6.7	5.1	7.1	1.7	-.2	.01
19:00	4.9	2.3	3.5	5.0	2.6	5.3	1.1	1.1	.01
20:00	4.2	1.0	2.2	4.3	1.1	4.5	3.0	-.8	.07
21:00	.1	.1	1.4	.6	.6	.9	3.0	-.3	.04
22:00	.1	.2	.9	.6	.8	.9	2.2	-1.0	.03
23:00	.4	.1	.9	.4	.6	.8	2.4	-.8	.03
Avg	.0	1.8	2.3	2.7	2.3	3.1	.9	-1.5	-.01
Max	6.5	4.9	5.9	6.7	5.4	7.1	3.4	2.3	.17
Hr. of Max	18	17	18	18	17	18	07	11	14
Min	.1	.0	.2	.3	.5	.6	-4.8	-7.1	-.23
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/14/2017

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	-.01	.7	1.6	3.4	7.0	14.4	14.0	15.8
01:00	-.02	3.0	2.1	1.8	5.9	9.1	12.9	14.7
02:00	.07	2.7	3.2	4.6	8.2	3.9	12.3	13.2
03:00	.05	2.3	3.2	6.4	6.2	3.1	11.4	12.5
04:00	.01	1.6	1.1	3.9	6.1	7.1	10.7	11.6
05:00	.01	2.3	2.7	3.2	8.2	8.6	10.1	11.5
06:00	-.01	1.8	2.3	3.0	6.5	3.7	9.9	10.6
07:00	.04	3.0	3.7	4.1	16.4	5.6	10.9	11.1
08:00	-.13	3.0	2.7	2.7	32.7	24.0	13.9	13.3
09:00	-.20	4.6	5.0	5.3	26.6	31.3	17.0	16.5
10:00	-.35	6.6	8.2	10.3	26.0	27.6	19.9	19.1
11:00	.20	7.8	7.6	7.3	23.3	26.4	21.4	20.6
12:00	-.56	8.9	10.5	9.8	23.6	33.0	22.9	22.2
13:00	-.33	10.5	10.3	10.3	21.0	28.4	24.2	23.5
14:00	-.47	9.6	12.6	13.3	29.2	30.8	25.3	24.4
15:00	.21	11.4	11.9	12.4	23.1	27.5	26.0	25.1
16:00	-.62	11.2	11.4	12.4	19.7	19.4	26.3	25.6
17:00	-.44	10.3	11.7	11.4	16.5	13.6	26.7	25.9
18:00	-.12	8.9	11.7	12.4	16.0	10.6	26.8	26.1
19:00	.05	6.9	7.3	8.5	12.0	6.8	26.0	25.8
20:00	-.06	3.4	10.1	12.6	7.7	3.8	23.4	24.9
21:00	.00	1.6	2.5	4.4	8.2	9.7	21.4	22.9
22:00	-.02	2.1	3.4	3.4	7.9	5.9	19.7	21.7
23:00	-.01	1.1	1.8	1.4	7.3	5.5	18.3	19.7
Avg	-.11	5.2	6.2	7.0	15.2	15.0	18.8	19.1
Max	.21	11.4	12.6	13.3	32.7	33.0	26.8	26.1
Hr. of Max	15	15	14	14	08	12	18	18
Min	-.62	.7	1.1	1.4	5.9	3.1	9.9	10.6
Count	24	24	24	24	24	24	24	24
Total								