Date Printed: 03/18/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/17/2017

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	-2.0	.0	1.0	2.7	2.03	2.98	4.66	.95	2.63
01:00	-2.4	-.5	-.1	1.5	1.92	2.37	3.95	.45	2.03
02:00	-2.1	-.9	-.4	1.3	1.26	1.76	3.43	.50	2.17
03:00	-2.2	-.9	-.6	.2	1.27	1.60	2.32	.33	1.04
04:00	-.7	-.2	-.1	.3	.45	.56	.97	.11	.52
05:00	-.1	.4	.5	.6	.54	.60	.75	.06	.21
06:00	.8	.9	1.0	1.0	.14	.20	.25	.05	.11
07:00	.9	1.1	1.2	1.3	.22	.27	.32	.05	.10
08:00	1.5	1.5	1.4	1.4	-.01	-.11	-.08	-.10	-.07
09:00	2.5	2.3	2.1	2.1	-.16	-.32	-.37	-.16	-.21
10:00	3.1	2.9	2.7	2.6	-.18	-.37	-.47	-.19	-.29
11:00	5.0	4.7	4.4	4.3	-.32	-.61	-.76	-.29	-.44
12:00	8.4	7.6	7.2	7.1	-.81	-1.15	-1.31	-.34	-.50
13:00	11.8	10.9	10.5	10.3	-.88	-1.25	-1.42	-.37	-.54
14:00	13.6	13.1	12.8	12.7	-.55	-.82	-.95	-.27	-.39
15:00	12.5	12.5	12.3	12.4	.02	-.13	-.09	-.15	-.11
16:00	10.7	10.8	10.7	10.8	.02	-.02	.10	-.04	.08
17:00	12.5	12.4	12.2	12.3	-.13	-.27	-.15	-.14	-.02
18:00	14.8	15.3	15.4	15.7	.42	.58	.84	.16	.42
19:00	16.0	16.3	16.2	16.2	.25	.13	.13	-.12	-.12
20:00	15.4	15.7	15.6	15.6	.31	.21	.21	-.10	-.10
21:00	15.4	15.8	15.7	15.7	.36	.29	.31	-.07	-.05
22:00	13.2	15.0	15.3	15.4	1.81	2.05	2.19	.24	.38
23:00	11.6	14.0	14.8	15.3	2.35	3.23	3.66	.88	1.31
Avg	6.7	7.1	7.2	7.5	.43	.49	.77	.06	.34
Max	16.0	16.3	16.2	16.2	2.35	3.23	4.66	.95	2.63
Hr. of Max	19	19	19	19	23	23	00	00	00
Min	-2.4	-.9	-.6	.2	-.88	-1.25	-1.42	-.37	-.54
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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3/17/2017

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	-7.7	-7.8	-5.8	7.6	65.4	56.0	2.7	2.7	0.002156
01:00	-7.2	-7.4	-5.6	7.4	70.5	60.0	2.9	2.8	0.002245
02:00	-7.2	-7.5	-5.5	7.2	68.7	61.5	2.9	2.8	0.002238
03:00	-6.3	-7.3	-4.9	7.0	73.6	62.0	3.1	2.8	0.002398
04:00	-5.2	-6.5	-3.7	6.8	72.0	63.2	3.3	3.0	0.002612
05:00	-4.1	-5.7	-2.8	6.7	74.8	63.8	3.6	3.2	0.002826
06:00	-3.7	-5.0	-2.2	6.6	72.6	64.9	3.7	3.3	0.002925
07:00	-2.2	-3.6	-1.2	6.5	80.0	71.3	4.1	3.7	0.003261
08:00	-2.4	-3.5	-1.1	6.5	75.6	69.8	4.0	3.7	0.003217
09:00	-2.4	-3.1	-.8	6.4	70.7	67.9	4.0	3.8	0.003219
10:00	-1.7	-2.5	-.1	6.4	71.2	68.2	4.2	4.0	0.003385
11:00	-2.6	-3.4	.0	6.5	58.5	56.3	4.0	3.7	0.003188
12:00	-2.7	-3.9	1.0	6.6	46.7	44.9	3.9	3.6	0.003191
13:00	-3.5	-4.7	1.6	6.9	34.8	33.7	3.6	3.3	0.003009
14:00	-1.7	-2.6	3.4	7.3	35.1	34.3	4.1	3.9	0.003446
15:00	.5	-.9	4.5	7.8	44.7	40.3	4.9	4.4	0.004049
16:00	3.2	2.1	5.7	8.1	60.7	55.7	5.9	5.5	0.004904
17:00	2.9	2.1	6.1	8.2	52.5	50.1	5.7	5.4	0.00479
18:00	3.9	3.1	7.6	8.4	48.9	44.7	6.1	5.8	0.005173
19:00	3.7	3.1	7.8	8.5	44.3	42.0	6.0	5.8	0.005078
20:00	4.2	3.7	7.9	8.6	47.9	45.3	6.2	6.0	0.005269
21:00	4.7	4.2	8.3	8.7	49.7	46.6	6.5	6.2	0.005474
22:00	7.5	5.4	9.4	8.8	70.7	53.6	7.9	6.8	0.006661
23:00	9.2	6.6	10.0	8.8	86.0	62.8	8.8	7.4	0.007392
Avg	-.9	-1.9	1.7	7.4	61.5	55.0	4.7	4.3	0.003838
Max	9.2	6.6	10.0	8.8	86.0	71.3	8.8	7.4	0.007392
Hr. of Max	23	23	23	23	23	07	23	23	23
Min	-7.7	-7.8	-5.8	6.4	34.8	33.7	2.7	2.7	0.002156
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)

3/17/2017

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	0.002144	3.4	3.4	.00	29.40	995.5	-2.4	.00	70.9
01:00	0.002203	3.6	3.5	.00	29.40	995.5	-2.6	.00	87.1
02:00	0.002199	3.6	3.5	.00	29.40	995.6	-2.6	.00	68.4
03:00	0.002219	3.8	3.5	.00	29.41	995.9	-2.6	.00	207.2
04:00	0.002368	4.2	3.8	.00	29.41	995.9	-2.1	.00	66.8
05:00	0.002507	4.5	4.0	.00	29.42	996.2	-2.3	.00	87.8
06:00	0.002642	4.7	4.2	.00	29.43	996.5	-2.5	.00	67.2
07:00	0.002952	5.2	4.7	.00	29.44	996.9	-1.4	.00	64.1
08:00	0.002967	5.1	4.7	.00	29.44	997.0	11.5	.02	43.9
09:00	0.003056	5.1	4.9	.00	29.46	997.6	38.8	.06	121.2
10:00	0.0032	5.4	5.1	.00	29.45	997.2	93.8	.13	112.3
11:00	0.002996	5.1	4.8	.00	29.43	996.5	284.0	.41	218.1
12:00	0.002906	5.1	4.6	.00	29.39	995.1	666.6	.96	208.1
13:00	0.002753	4.8	4.4	.00	29.34	993.8	600.6	.86	221.6
14:00	0.003244	5.5	5.1	.00	29.30	992.3	376.7	.54	236.3
15:00	0.003663	6.4	5.8	.00	29.27	991.1	75.4	.11	272.7
16:00	0.004519	7.7	7.1	.00	29.26	990.8	138.5	.20	31.0
17:00	0.00453	7.6	7.2	.00	29.24	990.1	142.6	.20	82.6
18:00	0.004871	8.2	7.7	.00	29.22	989.7	25.3	.04	205.0
19:00	0.004898	8.0	7.7	.00	29.23	989.9	2.8	.00	206.5
20:00	0.005083	8.3	8.0	.01	29.22	989.7	-1.9	.00	219.3
21:00	0.005262	8.6	8.3	.00	29.22	989.6	-2.2	.00	222.4
22:00	0.005755	10.5	9.1	.00	29.23	989.7	-1.9	.00	260.0
23:00	0.006255	11.6	9.9	.02	29.24	990.1	-2.3	.00	92.6
Avg	0.00355	6.1	5.6	.00	29.34	993.7	101.2	.15	136.0
Max	0.006255	11.6	9.9	.02	29.46	997.6	666.6	.96	272.7
Hr. of Max	23	23	23	23	09	09	12	12	15
Min	0.002144	3.4	3.4	.00	29.22	989.6	-2.6	.00	31.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/17/2017

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	62.6	56.6	55.0	48.4	19.7	16.7	7.2	.4	1.4
01:00	57.3	50.7	333.4	41.2	3.2	19.0	6.6	.1	.7
02:00	63.9	48.8	63.4	39.6	9.6	6.1	5.9	1.1	2.6
03:00	84.0	50.4	237.3	40.8	28.1	44.1	13.6	.3	.3
04:00	56.5	58.4	47.3	49.5	11.9	10.4	8.4	1.0	2.3
05:00	60.1	59.3	39.3	50.7	14.5	11.2	6.1	.4	1.8
06:00	47.9	49.0	57.0	38.7	21.3	21.1	13.5	.6	1.8
07:00	63.1	65.3	13.2	55.9	44.1	20.5	11.9	.2	1.4
08:00	42.6	60.2	30.4	51.3	14.3	11.8	10.3	1.6	2.9
09:00	96.9	21.8	129.9	15.5	28.9	50.8	42.7	.5	.3
10:00	105.1	73.1	147.3	63.3	41.3	66.0	52.2	.4	.3
11:00	225.9	217.6	223.1	212.5	69.5	60.8	58.4	1.2	1.6
12:00	219.0	216.3	210.1	212.0	35.8	35.0	30.9	3.6	4.5
13:00	227.8	225.4	223.1	221.2	27.3	22.0	17.0	6.2	8.0
14:00	239.6	237.3	235.1	233.1	24.3	20.3	19.0	6.5	8.3
15:00	277.3	269.0	269.5	263.3	37.3	26.8	20.5	2.6	4.0
16:00	357.7	330.5	14.4	321.7	37.0	31.5	36.9	1.7	2.4
17:00	4.3	280.8	65.6	267.6	34.3	62.4	65.2	.7	.7
18:00	212.9	214.4	211.3	210.1	43.7	31.1	13.0	4.1	6.4
19:00	212.9	211.4	207.5	207.3	20.4	16.9	13.6	6.4	8.6
20:00	223.5	220.2	220.2	216.3	21.9	16.4	12.1	6.7	9.9
21:00	227.0	223.8	224.1	219.4	23.8	17.8	14.6	5.8	8.6
22:00	253.4	243.3	256.8	238.8	35.3	19.1	14.9	2.5	4.7
23:00	251.3	234.9	317.4	230.5	61.1	49.9	32.1	.5	1.5
Avg	96.0	294.0	254.0	297.0	29.5	28.7	21.9	.0	.0
Max	357.7	330.5	333.4	321.7	69.5	66.0	65.2	6.7	9.9
Hr. of Max	16	16	01	16	11	10	17	20	20
Min	4.3	21.8	13.2	15.5	3.2	6.1	5.9	.1	.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/17/2017

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	2.2	.5	1.5	2.3	.8	2.5	1.8	1.0	.03
01:00	2.1	.2	.7	2.2	.6	2.4	.9	1.3	.02
02:00	3.9	1.1	2.6	4.0	1.3	4.2	.2	2.9	-.01
03:00	2.3	.4	.5	2.4	.9	2.6	2.1	.8	.04
04:00	3.3	1.1	2.4	3.4	1.3	3.6	-1.8	.8	-.07
05:00	2.7	.4	1.9	2.7	.9	2.9	1.3	1.4	.01
06:00	2.3	.7	2.1	2.4	1.0	2.6	1.7	1.0	.01
07:00	2.4	.5	1.6	2.4	1.0	2.6	2.2	.7	.03
08:00	3.0	1.7	3.0	3.1	1.9	3.3	-4.3	-.7	-.20
09:00	.8	.9	.8	1.4	1.5	1.6	6.4	5.4	.16
10:00	.7	1.0	1.2	1.2	1.5	1.5	7.6	4.7	.16
11:00	1.8	2.5	2.8	3.0	2.9	3.5	.8	-5.1	.01
12:00	5.4	5.0	5.8	6.5	5.6	7.1	2.8	-1.6	.10
13:00	9.2	7.0	8.7	9.7	7.7	10.4	1.8	-1.3	.03
14:00	9.7	7.0	8.7	10.0	7.6	10.8	1.8	.3	-.01
15:00	5.2	3.6	5.1	6.1	4.0	6.3	-.8	-1.1	-.15
16:00	2.9	2.0	2.7	3.2	2.4	3.4	-3.8	-2.4	-.26
17:00	.4	.8	.9	.9	1.3	1.2	2.2	.2	.06
18:00	9.0	4.5	6.7	9.2	5.1	9.8	1.0	-1.4	-.02
19:00	11.0	6.7	8.9	11.3	7.3	11.9	2.2	-.2	.11
20:00	12.9	7.2	10.2	13.2	7.8	14.0	2.7	-1.1	.15
21:00	10.8	6.2	8.9	11.1	6.9	11.8	1.6	-.1	-.03
22:00	6.5	3.0	5.1	6.8	3.5	7.3	-1.5	-.4	-.17
23:00	3.8	1.7	2.6	4.6	2.1	4.8	1.3	1.7	.03
Avg	.0	2.7	4.0	5.1	3.2	5.5	1.3	.3	.00
Max	12.9	7.2	10.2	13.2	7.8	14.0	7.6	5.4	.16
Hr. of Max	20	20	20	20	20	20	10	09	10
Min	.4	.2	.5	.9	.6	1.2	-4.3	-5.1	-.26
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/17/2017

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	.05	2.1	2.5	3.7	7.7	5.6	.0	2.5
01:00	.05	1.8	2.7	6.4	6.4	5.0	-.6	1.3
02:00	.21	3.0	4.6	6.9	7.9	3.5	-.9	1.1
03:00	.05	2.1	3.7	8.9	6.3	3.8	-.9	.0
04:00	.05	3.7	4.4	5.5	9.8	2.7	-.2	.1
05:00	.07	2.1	5.7	6.9	9.9	3.3	.5	.4
06:00	.05	2.7	5.5	6.9	13.9	5.4	1.0	.8
07:00	.03	3.2	5.3	5.5	12.0	5.1	1.3	1.0
08:00	-.04	4.4	5.5	5.3	14.2	5.7	1.7	1.3
09:00	.12	2.7	3.9	5.3	17.1	15.7	2.5	1.9
10:00	.14	3.2	3.2	3.9	24.3	21.6	3.1	2.5
11:00	-.28	7.1	7.6	7.8	22.4	25.2	4.8	4.0
12:00	-.31	16.0	19.5	18.5	20.1	20.7	7.5	6.6
13:00	-.40	19.2	18.5	26.6	16.3	14.0	10.7	9.8
14:00	-.24	21.3	25.2	25.0	16.8	13.4	13.1	12.3
15:00	-.23	10.1	12.8	17.9	16.6	10.6	12.7	12.2
16:00	-.09	6.2	7.1	9.2	19.5	17.4	11.1	10.8
17:00	.02	4.6	4.4	5.3	26.5	24.2	12.7	12.3
18:00	-.34	13.7	14.9	18.3	14.1	8.7	15.6	15.6
19:00	-.25	15.8	18.3	23.6	14.7	10.7	16.5	16.1
20:00	-.43	16.9	19.9	24.5	16.0	9.3	16.1	15.6
21:00	-.23	18.1	21.3	27.7	16.3	10.6	16.1	15.7
22:00	-.13	14.4	17.2	18.5	15.3	10.4	15.5	15.6
23:00	.05	6.0	8.7	11.2	16.7	12.3	14.3	15.4
Avg	-.09	8.4	10.1	12.5	15.0	11.0	7.3	7.3
Max	.21	21.3	25.2	27.7	26.5	25.2	16.5	16.1
Hr. of Max	02	14	14	21	17	11	19	19
Min	-.43	1.8	2.5	3.7	6.3	2.7	-.9	.0
Count	24	24	24	24	24	24	24	24
Total								