Date Printed: 10/24/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/23/2016

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	3.9	5.7	6.9	8.3	1.79	3.00	4.40	1.20	2.60
01:00	3.2	5.2	6.0	7.7	1.97	2.80	4.43	.83	2.46
02:00	2.7	4.5	5.2	6.1	1.80	2.47	3.37	.67	1.56
03:00	2.2	4.0	4.6	5.6	1.86	2.37	3.39	.50	1.53
04:00	1.8	3.5	4.0	4.9	1.75	2.22	3.14	.47	1.39
05:00	1.5	3.2	3.7	4.6	1.71	2.17	3.14	.47	1.43
06:00	1.0	2.6	3.3	4.1	1.64	2.29	3.06	.65	1.42
07:00	.8	2.3	2.8	3.8	1.47	1.99	2.96	.52	1.49
08:00	1.9	2.6	3.0	3.7	.77	1.08	1.83	.31	1.05
09:00	6.1	5.8	5.8	6.1	-.30	-.30	.05	-.01	.35
10:00	10.7	10.0	9.7	9.8	-.74	-1.02	-.93	-.29	-.19
11:00	14.4	13.3	13.1	13.0	-1.02	-1.30	-1.40	-.28	-.38
12:00	17.3	16.2	15.8	15.7	-1.17	-1.54	-1.67	-.37	-.50
13:00	19.1	18.0	17.7	17.5	-1.16	-1.45	-1.58	-.30	-.43
14:00	20.8	19.6	19.2	19.1	-1.27	-1.62	-1.78	-.35	-.51
15:00	21.9	20.8	20.4	20.3	-1.12	-1.49	-1.64	-.37	-.52
16:00	22.6	21.7	21.3	21.2	-.90	-1.27	-1.39	-.38	-.49
17:00	22.6	22.1	21.9	21.8	-.46	-.74	-.84	-.28	-.38
18:00	19.4	20.9	20.9	21.1	1.46	1.53	1.72	.07	.26
19:00	14.9	17.7	18.7	19.3	2.74	3.78	4.34	1.04	1.60
20:00	12.5	15.6	16.7	17.8	3.13	4.18	5.35	1.05	2.21
21:00	10.9	14.1	15.2	17.2	3.14	4.28	6.23	1.13	3.09
22:00	9.6	12.4	14.0	15.7	2.80	4.41	6.04	1.60	3.24
23:00	8.7	11.7	13.0	14.8	3.00	4.32	6.09	1.31	3.09
Avg	10.4	11.4	11.8	12.5	.95	1.34	2.01	.38	1.06
Max	22.6	22.1	21.9	21.8	3.14	4.41	6.23	1.60	3.24
Hr. of Max	17	17	17	17	21	22	21	22	22
Min	.8	2.3	2.8	3.7	-1.27	-1.62	-1.78	-.38	-.52
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/23/2016

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	1.0	1.5	2.0	17.3	82.1	75.2	5.1	5.3	0.004159
01:00	.9	1.8	1.7	17.1	85.1	79.0	5.1	5.4	0.004122
02:00	.8	1.8	1.4	16.8	87.4	83.2	5.1	5.4	0.004083
03:00	.5	2.0	1.1	16.6	89.4	87.4	5.0	5.5	0.004014
04:00	.3	1.9	.8	16.4	90.3	89.5	4.9	5.5	0.003939
05:00	.1	1.8	.5	16.2	91.0	91.0	4.9	5.4	0.003877
06:00	-.3	1.4	.1	15.9	91.3	92.4	4.7	5.3	0.003759
07:00	-.4	1.2	.0	15.7	92.2	92.9	4.7	5.2	0.003749
08:00	.3	1.2	.8	15.5	90.0	91.0	4.9	5.2	0.003943
09:00	3.0	2.1	4.0	15.3	81.6	77.9	5.9	5.5	0.004793
10:00	4.0	3.4	6.2	15.2	64.2	64.5	6.2	6.0	0.005154
11:00	2.6	2.1	6.5	15.2	46.0	47.2	5.6	5.4	0.004698
12:00	1.7	1.1	6.9	15.3	35.6	36.7	5.2	5.0	0.004414
13:00	2.0	1.7	7.7	15.5	32.7	34.3	5.3	5.2	0.004541
14:00	2.3	2.1	8.5	15.9	29.9	32.0	5.4	5.4	0.004629
15:00	2.4	2.0	8.9	16.3	28.2	29.4	5.4	5.3	0.004668
16:00	2.6	2.3	9.3	16.7	27.6	28.5	5.5	5.4	0.00477
17:00	3.1	2.8	9.6	17.1	28.5	28.7	5.7	5.6	0.00493
18:00	4.5	3.5	9.5	17.3	38.7	32.6	6.3	5.9	0.00541
19:00	5.3	4.7	8.5	17.5	53.2	42.9	6.7	6.4	0.005675
20:00	5.2	5.0	7.6	17.6	62.1	50.0	6.8	6.6	0.005644
21:00	5.2	5.2	7.1	17.6	68.3	55.9	6.8	6.7	0.005608
22:00	5.0	5.1	6.5	17.5	73.4	61.8	6.7	6.7	0.005522
23:00	4.8	5.4	6.1	17.4	77.3	66.0	6.6	6.8	0.005454
Avg	2.4	2.6	5.1	16.5	64.4	61.3	5.6	5.7	0.004648
Max	5.3	5.4	9.6	17.6	92.2	92.9	6.8	6.8	0.005675
Hr. of Max	19	23	17	21	07	07	21	23	19
Min	-.4	1.1	.0	15.2	27.6	28.5	4.7	5.0	0.003749
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)

10/23/2016

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	0.004314	6.6	6.8	.00	29.24	990.4	-2.4	.00	228.0
01:00	0.004395	6.5	6.9	.00	29.25	990.5	-2.4	.00	138.8
02:00	0.004414	6.5	7.0	.00	29.26	990.8	-2.4	.00	84.9
03:00	0.004479	6.4	7.1	.00	29.27	991.1	-2.7	.00	307.7
04:00	0.004422	6.2	7.0	.00	29.29	991.8	-2.4	.00	52.4
05:00	0.00438	6.1	6.9	.00	29.30	992.4	-2.3	.00	53.5
06:00	0.004279	6.0	6.8	.00	29.32	993.1	-2.4	.00	205.8
07:00	0.0042	6.0	6.7	.00	29.34	993.6	-.9	.00	58.5
08:00	0.004203	6.3	6.7	.00	29.35	994.1	99.8	.14	81.6
09:00	0.004485	7.6	7.1	.00	29.37	994.7	312.8	.45	179.5
10:00	0.004936	8.2	7.8	.00	29.37	994.7	478.4	.69	191.8
11:00	0.004509	7.5	7.2	.00	29.37	994.5	616.8	.88	191.0
12:00	0.004233	7.0	6.7	.00	29.35	993.8	701.0	1.00	214.9
13:00	0.004438	7.2	7.0	.00	29.32	992.8	727.3	1.04	199.8
14:00	0.004579	7.3	7.2	.00	29.28	991.7	690.3	.99	199.8
15:00	0.004549	7.4	7.2	.00	29.27	991.2	597.2	.86	216.4
16:00	0.004648	7.5	7.3	.00	29.26	990.8	433.0	.62	235.5
17:00	0.004813	7.8	7.6	.00	29.25	990.4	242.8	.35	225.7
18:00	0.005057	8.5	8.0	.00	29.25	990.4	34.4	.05	219.6
19:00	0.005462	9.0	8.6	.00	29.25	990.7	-1.9	.00	75.8
20:00	0.005567	8.9	8.8	.00	29.26	990.9	-1.9	.00	95.8
21:00	0.005644	8.9	8.9	.00	29.27	991.3	-1.7	.00	103.8
22:00	0.005599	8.7	8.8	.00	29.28	991.5	-2.3	.00	142.5
23:00	0.005697	8.6	9.0	.00	29.29	992.0	-2.2	.00	100.8
Avg	0.004721	7.4	7.5	.00	29.29	992.1	204.4	.29	160.0
Max	0.005697	9.0	9.0	.00	29.37	994.7	727.3	1.04	307.7
Hr. of Max	23	19	23	23	11	10	13	13	03
Min	0.0042	6.0	6.7	.00	29.24	990.4	-2.7	.00	52.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/23/2016

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	251.2	242.4	235.8	233.9	37.7	51.5	15.3	1.8	.7
01:00	10.0	132.9	283.0	140.0	48.4	47.8	47.2	.3	.8
02:00	61.2	63.2	257.2	54.7	58.8	14.5	24.4	.1	1.1
03:00	72.1	32.3	274.1	319.1	25.7	26.8	28.0	.3	.1
04:00	67.2	44.2	348.8	38.8	14.2	43.9	29.7	.2	.6
05:00	59.5	59.5	285.3	58.6	8.2	9.4	5.9	.2	.6
06:00	223.3	84.5	249.3	281.1	36.6	44.9	31.2	.9	1.3
07:00	66.2	66.5	296.8	84.0	32.5	26.0	23.4	.2	.4
08:00	52.5	49.2	200.5	47.4	11.4	5.2	9.8	.1	.5
09:00	233.7	232.1	203.2	223.4	23.9	28.2	43.9	1.3	1.6
10:00	212.6	231.9	196.3	226.7	19.8	16.1	15.7	2.9	3.3
11:00	206.5	209.2	193.7	203.8	25.1	20.6	17.0	4.2	4.8
12:00	220.9	217.7	218.9	212.5	41.3	33.8	28.6	3.5	4.4
13:00	223.5	222.9	206.6	217.4	41.9	28.3	25.9	3.4	4.1
14:00	210.0	210.6	202.1	205.9	29.4	25.0	18.7	4.9	6.0
15:00	225.2	224.8	218.8	220.1	30.4	25.3	23.2	4.6	5.8
16:00	242.9	237.4	239.0	232.5	44.9	30.1	23.1	3.8	5.2
17:00	239.0	237.5	228.5	233.1	28.7	21.7	20.3	3.4	4.8
18:00	211.6	205.2	225.5	200.8	24.5	12.3	8.3	2.0	4.1
19:00	261.3	191.8	357.7	186.1	30.7	28.9	14.9	.0	.7
20:00	16.3	216.0	89.7	211.6	3.4	12.4	10.9	.0	.1
21:00	233.9	237.2	251.8	232.2	16.7	50.0	7.3	.0	.5
22:00	258.4	232.4	240.1	228.2	32.4	34.7	7.2	.1	.9
23:00	38.6	230.1	311.0	225.0	11.7	9.2	10.6	.2	.3
Avg	230.0	207.0	242.0	215.0	28.3	26.9	20.4	.0	.0
Max	261.3	242.4	357.7	319.1	58.8	51.5	47.2	4.9	6.0
Hr. of Max	19	00	19	03	02	00	01	14	14
Min	10.0	32.3	89.7	38.8	3.4	5.2	5.9	.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)

10/23/2016

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	1.8	.8	2.6	2.3	2.8	1.2	1.2	.02
01:00	.5	.7	1.1	1.1	1.0	1.3	3.5	-.6	.06
02:00	1.2	.2	1.2	1.3	.7	1.6	2.9	-.8	.04
03:00	.3	.3	.2	.4	.6	.7	1.6	-.3	.02
04:00	.4	.2	.6	.5	.6	.8	.9	-.7	.01
05:00	.5	.2	.6	.5	.7	.8	2.4	-1.0	.03
06:00	.8	.9	1.3	1.1	1.6	1.5	1.3	-.2	.03
07:00	.2	.3	.5	1.0	.9	1.2	.3	-.3	.01
08:00	.6	.1	.5	.7	.6	.9	3.3	.6	.06
09:00	1.7	1.4	1.8	1.9	1.9	2.2	.4	-2.4	.03
10:00	3.4	3.1	3.4	3.6	3.6	3.9	.6	-1.7	.01
11:00	5.2	4.6	5.1	5.4	5.1	5.9	-1.5	-3.6	-.20
12:00	5.0	4.4	5.1	5.6	4.7	6.3	1.5	-1.9	.01
13:00	4.7	4.2	4.9	5.5	4.9	6.0	2.7	-1.3	.02
14:00	6.8	5.6	6.6	7.2	6.1	7.7	-.5	-3.7	-.15
15:00	6.5	5.4	6.6	7.2	5.9	7.8	-.4	-2.1	-.19
16:00	6.2	4.6	5.8	6.7	5.0	7.3	2.7	1.6	.01
17:00	5.7	4.0	5.2	6.2	4.3	6.6	1.9	1.0	-.05
18:00	6.4	2.4	4.3	6.4	2.8	6.8	.4	1.2	-.03
19:00	2.7	.0	.9	2.7	.5	3.0	2.6	1.3	.03
20:00	2.3	.0	.1	2.4	.2	2.6	1.2	.4	.01
21:00	3.1	.0	.7	3.1	.6	3.3	2.8	.0	.04
22:00	3.2	.1	1.0	3.2	.9	3.5	2.5	.8	.04
23:00	1.5	.2	.4	1.5	.6	1.7	2.2	-.7	.03
Avg	.0	1.9	2.4	3.2	2.3	3.6	1.5	-.6	.00
Max	6.8	5.6	6.6	7.2	6.1	7.8	3.5	1.6	.06
Hr. of Max	14	14	15	15	14	15	01	16	08
Min	.2	.0	.1	.4	.2	.7	-1.5	-3.7	-.20
Count	24	24	24	24	24	24	24	24	24
Total									

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10/23/2016

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	.08	3.4	3.4	5.5	5.3	6.9	5.8	8.3
01:00	-.02	2.7	2.3	2.7	9.6	11.6	5.4	7.8
02:00	-.02	2.3	3.4	3.0	9.1	6.5	4.7	6.2
03:00	-.01	1.8	1.4	2.7	6.2	6.4	4.2	5.6
04:00	-.01	1.4	2.1	1.6	6.7	5.1	3.7	5.0
05:00	-.02	1.6	2.1	2.1	7.3	6.1	3.4	4.6
06:00	.01	2.7	4.6	4.6	5.5	8.2	2.8	4.1
07:00	.00	1.8	3.2	6.6	8.6	7.3	2.5	3.8
08:00	.01	1.6	2.1	2.3	10.9	3.8	2.9	3.8
09:00	-.08	3.7	3.7	3.7	18.1	7.6	6.0	5.9
10:00	-.15	8.0	7.6	7.8	17.8	13.5	10.1	9.6
11:00	-.45	10.3	9.2	10.3	16.9	17.8	13.4	12.7
12:00	-.27	9.2	11.4	11.4	22.1	21.8	16.2	15.2
13:00	-.20	15.6	12.6	11.9	23.7	23.2	17.9	17.1
14:00	-.52	12.8	13.3	14.7	18.4	15.3	19.5	18.6
15:00	-.39	14.7	16.9	14.9	18.4	17.1	20.7	19.8
16:00	-.01	14.4	14.7	16.0	20.4	17.2	21.7	20.8
17:00	-.05	16.0	15.1	15.6	18.6	15.2	22.2	21.5
18:00	.09	7.3	10.5	11.2	11.6	6.6	21.0	21.0
19:00	.04	1.8	4.8	9.6	9.5	10.9	17.8	19.3
20:00	-.01	.0	1.1	4.1	6.4	9.7	15.8	17.9
21:00	.00	.9	2.7	6.2	6.5	2.8	14.3	17.3
22:00	.05	2.3	5.0	7.3	6.0	3.2	12.7	15.9
23:00	-.02	1.4	1.6	4.6	5.8	3.7	12.0	15.0
Avg	-.08	5.7	6.5	7.5	12.1	10.3	11.5	12.4
Max	.09	16.0	16.9	16.0	23.7	23.2	22.2	21.5
Hr. of Max	18	17	15	16	13	13	17	17
Min	-.52	.0	1.1	1.6	5.3	2.8	2.5	3.8
Count	24	24	24	24	24	24	24	24
Total								