Date Printed: 12/01/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/30/2016

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	14.3	14.5	14.5	14.6	.17	.17	.25	-.01	.07
01:00	15.0	15.2	15.2	15.4	.24	.25	.38	.01	.13
02:00	16.3	16.7	16.8	16.9	.44	.50	.64	.06	.19
03:00	16.4	17.1	17.3	17.6	.68	.89	1.19	.21	.51
04:00	19.0	19.2	19.2	19.3	.25	.25	.35	.00	.10
05:00	17.1	17.1	17.1	17.0	.07	.00	-.03	-.07	-.10
06:00	16.1	16.2	16.1	16.1	.11	.05	.06	-.06	-.05
07:00	15.7	15.9	15.8	15.8	.12	.06	.04	-.06	-.07
08:00	15.9	16.0	15.9	15.9	.11	.05	.04	-.06	-.07
09:00	16.1	16.3	16.2	16.2	.12	.07	.07	-.05	-.05
10:00	16.6	16.6	16.5	16.4	.04	-.06	-.11	-.10	-.15
11:00	16.4	16.4	16.3	16.3	.04	-.07	-.12	-.11	-.16
12:00	16.4	16.4	16.3	16.2	.03	-.08	-.12	-.11	-.15
13:00	16.4	16.4	16.3	16.2	.02	-.10	-.14	-.12	-.16
14:00	16.5	16.5	16.4	16.3	-.03	-.16	-.21	-.13	-.18
15:00	16.6	16.7	16.6	16.6	.04	-.06	-.06	-.09	-.10
16:00	16.3	16.4	16.4	16.4	.17	.14	.18	-.03	.01
17:00	14.4	15.1	15.4	15.7	.71	1.00	1.27	.29	.56
18:00	12.5	14.5	14.9	15.2	2.02	2.40	2.72	.38	.70
19:00	13.3	14.4	14.5	14.7	1.11	1.25	1.40	.14	.29
20:00	11.8	12.6	12.7	12.8	.82	.88	.98	.07	.16
21:00	10.1	10.9	11.0	11.1	.74	.82	.94	.07	.19
22:00	8.0	9.8	10.0	10.1	1.81	2.04	2.15	.23	.34
23:00	6.2	8.9	9.2	9.4	2.70	3.02	3.19	.32	.49
Avg	14.7	15.2	15.3	15.3	.52	.55	.63	.03	.10
Max	19.0	19.2	19.2	19.3	2.70	3.02	3.19	.38	.70
Hr. of Max	04	04	04	04	23	23	23	18	18
Min	6.2	8.9	9.2	9.4	-.03	-.16	-.21	-.13	-.18
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/30/2016

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	13.6	14.0	13.8	13.5	97.1	98.6	11.8	12.1	0.010105
01:00	14.3	14.9	14.5	13.6	97.1	99.5	12.3	12.7	0.010564
02:00	15.5	16.4	15.8	14.0	97.2	99.6	13.2	13.9	0.01148
03:00	15.7	16.7	15.9	14.1	97.2	99.7	13.4	14.3	0.011598
04:00	18.2	18.5	18.5	14.2	97.4	97.8	15.5	15.8	0.013657
05:00	15.9	16.2	16.3	14.4	94.9	95.8	13.6	13.7	0.011784
06:00	15.3	15.7	15.6	14.5	97.1	98.6	13.1	13.4	0.011314
07:00	15.0	15.5	15.3	14.6	97.3	99.3	12.8	13.2	0.011097
08:00	15.2	15.6	15.4	14.7	97.2	99.4	13.0	13.3	0.011208
09:00	15.4	15.9	15.7	14.8	97.2	99.5	13.1	13.5	0.011389
10:00	15.8	16.2	16.1	14.9	97.3	99.4	13.5	13.8	0.011704
11:00	15.7	16.0	15.9	15.0	97.3	99.4	13.4	13.7	0.011589
12:00	15.6	16.0	15.9	15.1	97.3	99.4	13.3	13.6	0.011575
13:00	15.7	16.0	15.9	15.2	97.3	99.3	13.4	13.6	0.01161
14:00	15.8	16.0	16.0	15.3	97.5	99.1	13.5	13.7	0.011728
15:00	15.9	16.2	16.2	15.3	97.5	99.0	13.6	13.8	0.011826
16:00	15.1	15.2	15.5	15.3	94.3	94.0	12.9	13.0	0.011171
17:00	12.1	11.3	12.9	15.3	87.3	79.0	10.7	10.1	0.009157
18:00	11.6	10.4	11.9	15.3	95.9	77.3	10.4	9.5	0.008874
19:00	9.3	8.3	10.6	15.2	78.7	68.0	9.0	8.3	0.007628
20:00	4.5	3.4	7.0	15.0	61.8	54.2	6.5	6.0	0.005453
21:00	2.8	1.9	5.3	14.8	61.1	54.5	5.8	5.4	0.004809
22:00	3.6	1.7	5.1	14.6	75.0	57.6	6.1	5.3	0.005072
23:00	3.7	1.5	4.6	14.3	85.3	60.4	6.2	5.3	0.005116
Avg	13.0	12.9	13.6	14.7	91.4	88.7	11.7	11.7	0.010063
Max	18.2	18.5	18.5	15.3	97.5	99.7	15.5	15.8	0.013657
Hr. of Max	04	04	04	18	15	03	04	04	04
Min	2.8	1.5	4.6	13.5	61.1	54.2	5.8	5.3	0.004809
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/30/2016

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	0.010375	15.6	16.0	.78	28.84	976.8	-2.3	.00	77.7
01:00	0.010989	16.3	17.0	1.03	28.85	977.0	-2.5	.00	56.0
02:00	0.012104	17.7	18.6	.17	28.83	976.4	-2.2	.00	98.2
03:00	0.01243	17.9	19.1	.02	28.81	975.5	-2.2	.00	50.9
04:00	0.013932	21.0	21.4	.24	28.81	975.5	-2.8	.00	219.3
05:00	0.011953	18.2	18.4	.13	28.83	976.3	-2.4	.00	215.2
06:00	0.011579	17.4	17.8	.14	28.84	976.5	-2.1	.00	186.2
07:00	0.011412	17.1	17.6	.19	28.83	976.3	-1.5	.00	192.8
08:00	0.011545	17.3	17.8	.31	28.83	976.3	1.5	.00	198.9
09:00	0.011747	17.6	18.1	.25	28.83	976.3	4.4	.01	183.2
10:00	0.011995	18.0	18.5	.12	28.81	975.8	19.1	.03	190.1
11:00	0.011868	17.8	18.3	.32	28.80	975.3	9.8	.01	196.7
12:00	0.011852	17.8	18.2	.20	28.78	974.5	17.8	.03	202.6
13:00	0.011863	17.8	18.2	.09	28.75	973.6	19.9	.03	189.2
14:00	0.011907	18.0	18.3	.00	28.73	972.8	50.8	.07	193.7
15:00	0.012029	18.2	18.5	.04	28.73	973.1	30.7	.04	225.1
16:00	0.011254	17.2	17.3	.00	28.76	974.1	22.5	.03	242.4
17:00	0.00868	14.1	13.4	.00	28.79	974.9	1.9	.00	236.2
18:00	0.00816	13.7	12.6	.00	28.83	976.2	-1.6	.00	249.9
19:00	0.007112	11.8	11.0	.01	28.86	977.5	-.8	.00	256.3
20:00	0.005049	8.5	7.9	.00	28.91	979.1	-2.0	.00	252.7
21:00	0.004512	7.5	7.1	.00	28.94	980.1	-2.2	.00	241.2
22:00	0.004431	7.9	6.9	.00	28.96	980.8	-2.1	.00	229.5
23:00	0.004364	8.0	6.8	.00	28.98	981.4	-2.2	.00	233.6
Avg	0.010131	15.5	15.6	.17	28.83	976.3	6.2	.01	208.0
Max	0.013932	21.0	21.4	1.03	28.98	981.4	50.8	.07	256.3
Hr. of Max	04	04	04	01	23	23	14	14	19
Min	0.004364	7.5	6.8	.00	28.73	972.8	-2.8	.00	50.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/30/2016

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	63.9	48.4	72.0	38.0	46.7	33.5	22.5	2.5	3.7
01:00	41.6	34.8	31.1	19.7	52.8	44.2	38.6	.8	1.2
02:00	123.5	157.2	90.0	152.1	37.8	40.2	34.5	.7	.7
03:00	158.1	180.9	323.6	176.5	48.9	50.0	27.8	.3	1.7
04:00	222.3	218.2	219.2	213.9	21.7	15.3	12.0	8.2	11.9
05:00	221.1	217.7	215.5	213.3	23.0	17.3	13.5	7.4	10.8
06:00	198.2	198.2	190.8	194.1	28.2	18.6	14.0	3.0	4.8
07:00	207.2	199.6	208.6	194.7	45.6	24.0	16.7	2.1	4.0
08:00	209.4	198.2	209.3	194.4	38.2	23.4	17.8	2.7	4.5
09:00	199.5	194.1	198.8	190.0	36.7	22.9	15.3	1.7	3.4
10:00	196.6	190.9	196.2	185.4	25.6	20.0	16.2	3.8	5.3
11:00	200.8	193.2	204.9	188.5	33.0	24.0	18.7	2.9	4.3
12:00	209.9	199.9	208.4	195.0	32.8	26.3	19.4	2.9	4.0
13:00	196.2	190.3	193.9	185.5	40.6	31.4	27.4	3.1	4.4
14:00	203.5	198.5	202.7	193.3	41.8	24.6	18.2	2.7	4.3
15:00	229.7	226.5	225.9	222.1	21.9	16.5	12.8	5.4	8.2
16:00	253.2	255.9	243.1	251.4	19.5	14.3	12.5	5.4	8.0
17:00	245.7	246.2	237.7	241.2	16.7	10.9	8.6	3.9	7.2
18:00	253.5	246.9	250.2	241.7	12.7	9.1	6.3	3.8	6.8
19:00	261.6	260.4	256.5	255.2	19.1	14.2	12.0	7.0	10.7
20:00	261.0	260.7	252.8	255.5	17.9	13.4	12.2	6.3	9.3
21:00	250.7	252.9	241.6	247.7	17.3	13.2	11.4	5.3	8.2
22:00	249.3	254.8	235.7	249.8	26.2	12.1	11.1	3.2	5.6
23:00	247.7	255.6	237.2	250.6	24.0	16.5	15.1	2.9	5.2
Avg	218.0	217.0	220.0	213.0	30.4	22.3	17.3	.0	.0
Max	261.6	260.7	323.6	255.5	52.8	50.0	38.6	8.2	11.9
Hr. of Max	19	20	03	20	01	03	01	04	04
Min	41.6	34.8	31.1	19.7	12.7	9.1	6.3	.3	.7
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)

11/30/2016

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	5.2	4.3	5.9	7.6	4.6	8.0	-1.0	.4	-.17
01:00	1.1	3.9	5.4	6.6	4.3	7.3	-2.8	-1.1	-.22
02:00	1.7	2.3	3.5	4.3	2.7	4.6	1.1	1.5	.01
03:00	4.4	2.8	3.8	5.6	3.2	5.9	-.1	-.7	-.08
04:00	15.5	8.7	12.3	15.9	9.2	16.4	1.6	.6	.01
05:00	14.1	8.1	11.3	14.6	8.5	15.2	3.3	1.1	.14
06:00	7.0	3.6	5.4	7.5	4.1	7.8	2.3	1.6	.04
07:00	5.5	2.5	4.3	5.8	2.9	6.0	2.2	-1.1	.04
08:00	6.1	3.0	4.8	6.3	3.5	6.6	1.3	-.3	-.01
09:00	5.0	2.1	3.7	5.3	2.7	5.5	1.4	-.2	.02
10:00	7.0	4.1	5.6	7.3	4.4	7.5	1.9	-1.7	-.05
11:00	5.9	3.3	4.7	6.2	3.8	6.4	.7	-1.4	-.06
12:00	5.5	3.4	4.6	5.9	3.8	6.1	.2	.2	-.07
13:00	6.0	3.8	5.0	6.6	4.1	6.9	1.3	-.6	-.02
14:00	6.0	3.1	4.6	6.2	3.6	6.5	3.6	-.7	.16
15:00	10.6	5.7	8.5	10.9	6.3	11.4	.4	-.2	-.06
16:00	10.0	5.7	8.3	10.3	6.3	10.8	.4	.0	-.11
17:00	9.7	4.1	7.4	9.9	4.7	10.4	.1	.9	-.08
18:00	9.8	3.9	6.9	9.9	4.2	10.3	.3	1.2	-.02
19:00	13.6	7.4	11.1	14.0	8.0	14.6	-.4	-.6	-.24
20:00	11.5	6.7	9.6	11.8	7.2	12.3	-.5	.9	-.23
21:00	10.5	5.6	8.5	10.7	6.1	11.3	.7	.5	-.07
22:00	7.4	3.4	5.8	7.5	4.0	7.9	1.3	.9	-.02
23:00	6.6	3.1	5.5	6.8	3.6	7.2	1.8	.9	.05
Avg	.0	4.4	6.5	8.5	4.8	8.9	.9	.1	-.04
Max	15.5	8.7	12.3	15.9	9.2	16.4	3.6	1.6	.16
Hr. of Max	04	04	04	04	04	04	14	06	14
Min	1.1	2.1	3.5	4.3	2.7	4.6	-2.8	-1.7	-.24
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/30/2016

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	.02	17.2	23.8	24.7	15.0	10.2	15.5	15.2 R
01:00	-.04	18.1	18.8	22.9	17.7	13.8	16.4	16.2
02:00	.10	9.4	10.1	23.1	15.7	11.5	18.0	17.8
03:00	-.23	10.5	15.8	20.2	18.7	16.4	18.4	18.7
04:00	.00	26.6	33.2	33.7	15.6	9.0	20.7	20.5
05:00	.11 -	23.4	28.2	43.1	17.5	9.3	18.5	18.0 R
06:00	.13	13.1	28.2	34.6	16.8	9.9	17.4	17.0
07:00	-.17	10.1	11.9	12.8	18.6	10.4	17.1	16.5
08:00	-.09	10.5	13.7	14.9	18.1	11.5	17.2	16.7
09:00	-.06	9.2	15.6	27.7	15.2	8.8	17.5	17.0
10:00	-.38	10.3	13.7	15.1	17.5	12.0	17.9	17.3
11:00	-.30	14.0	11.2	14.7	19.0	13.6	17.7	17.1
12:00	-.14	8.5	11.2	13.5	16.8	14.6	17.7	17.0
13:00	-.25	11.4	13.1	14.7	16.7	14.9	17.7	17.0
14:00	-.12	8.7	13.5	13.1	19.8	13.6	17.8	17.2
15:00	-.12	17.4	19.2	22.7	14.9	8.7	17.9	17.4
16:00	-.12	13.5	26.8	30.7	13.6	9.5	17.6	17.2
17:00	.10	13.7	18.8	17.2	10.9	6.0	15.9	16.1
18:00	.18	10.5	12.6	18.5	8.0	4.3	15.2	15.6
19:00	-.36	21.8	26.3	31.4	12.8	8.7	14.9	14.8
20:00	.07	16.3	21.1	46.0	12.8	8.8	12.9	12.7
21:00	-.02	15.8	17.4	20.4	13.1	8.5	11.1	11.0
22:00	.05	10.3	18.5	20.2	12.0	7.9	10.1	10.1
23:00	.04	10.8	14.9	13.1	11.5	8.5	9.1	9.3
Avg	-.07	13.8	18.2	22.9	15.3	10.4	16.3	16.0
Max	.18	26.6	33.2	46.0	19.8	16.4	20.7	20.5
Hr. of Max	18	04	04	20	14	03	04	04
Min	-.38	8.5	10.1	12.8	8.0	4.3	9.1	9.3
Count	24	24	24	24	24	24	24	24
Total								