Date Printed: 10/14/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/13/2016

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	10.1	12.0	12.8	14.4	1.96	2.77	4.33	.81	2.37
01:00	9.3	11.1	12.8	14.4	1.75	3.45	5.07	1.70	3.32
02:00	9.1	11.2	12.2	14.4	2.06	3.09	5.30	1.03	3.24
03:00	8.7	10.5	11.2	12.7	1.85	2.53	3.97	.68	2.12
04:00	8.4	10.0	10.8	12.3	1.65	2.43	3.90	.77	2.24
05:00	8.2	9.5	10.3	11.7	1.31	2.08	3.51	.77	2.20
06:00	9.2	10.0	10.5	12.1	.81	1.29	2.87	.48	2.07
07:00	9.6	10.7	11.1	12.1	1.04	1.53	2.44	.48	1.40
08:00	11.2	11.4	11.7	12.8	.22	.48	1.65	.26	1.43
09:00	14.5	14.2	14.1	14.3	-.28	-.39	-.13	-.11	.14
10:00	16.9	16.4	16.2	16.1	-.49	-.70	-.76	-.21	-.28
11:00	19.6	18.9	18.6	18.5	-.71	-.97	-1.09	-.26	-.37
12:00	20.0	19.5	19.2	19.1	-.49	-.78	-.87	-.28	-.37
13:00	21.8	21.1	20.8	20.6	-.72	-1.05	-1.17	-.33	-.45
14:00	23.6	22.6	22.2	22.1	-1.01	-1.35	-1.45	-.34	-.45
15:00	24.7	23.8	23.4	23.2	-.87	-1.28	-1.48	-.41	-.61
16:00	25.2	24.3	24.0	23.8	-.85	-1.16	-1.41	-.31	-.56
17:00	24.8	24.3	24.1	23.9	-.51	-.77	-.88	-.26	-.38
18:00	23.0	23.8	23.8	23.8	.73	.76	.72	.03	-.01
19:00	19.7	21.6	21.9	22.2	1.91	2.23	2.55	.31	.64
20:00	17.4	19.5	20.0	20.8	2.11	2.61	3.44	.50	1.33
21:00	16.2	18.1	18.6	20.2	1.87	2.39	3.96	.53	2.09
22:00	15.7	17.4	17.9	18.6	1.66	2.19	2.90	.53	1.24
23:00	15.3	17.1	17.3	17.6	1.78	1.99	2.29	.21	.52
Avg	15.9	16.6	16.9	17.6	.70	.97	1.65	.27	.95
Max	25.2	24.3	24.1	23.9	2.11	3.45	5.30	1.70	3.32
Hr. of Max	16	17	17	17	20	01	02	01	01
Min	8.2	9.5	10.3	11.7	-1.01	-1.35	-1.48	-.41	-.61
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/13/2016

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	5.6	5.9	7.1	19.6	74.6	66.8	7.0	7.1	0.005781
01:00	5.7	6.0	6.9	19.4	78.6	71.4	7.0	7.1	0.005804
02:00	5.7	6.1	6.8	19.2	80.1	71.6	7.1	7.2	0.005823
03:00	5.6	6.0	6.7	19.0	82.0	74.5	7.0	7.2	0.005794
04:00	5.6	5.9	6.5	18.8	83.5	76.5	7.0	7.1	0.005773
05:00	5.7	6.0	6.5	18.7	85.1	79.3	7.1	7.2	0.005813
06:00	6.5	6.2	7.4	18.5	84.1	78.2	7.4	7.3	0.006142
07:00	6.7	6.9	7.7	18.3	83.1	78.2	7.6	7.6	0.006244
08:00	7.4	7.0	8.7	18.2	78.6	75.0	7.9	7.6	0.006544
09:00	8.1	7.6	10.2	18.1	66.7	65.6	8.2	7.9	0.006886
10:00	7.3	6.8	10.5	18.1	54.0	53.7	7.7	7.4	0.00652
11:00	6.3	5.8	10.7	18.2	42.7	43.1	7.2	6.9	0.006115
12:00	6.2	5.7	10.8	18.3	41.2	41.2	7.1	6.9	0.006062
13:00	6.0	5.6	11.3	18.6	36.6	37.2	7.0	6.8	0.006008
14:00	6.9	6.6	12.4	18.9	34.9	36.3	7.4	7.2	0.006393
15:00	8.3	8.1	13.8	19.3	36.0	37.5	8.1	8.0	0.007057
16:00	9.2	9.1	14.5	19.6	37.3	38.8	8.6	8.5	0.007523
17:00	10.0	9.9	15.0	20.0	40.2	40.9	9.1	9.0	0.007935
18:00	11.1	10.6	15.1	20.2	48.3	44.4	9.8	9.4	0.008522
19:00	11.6	11.6	14.3	20.4	60.8	54.2	10.2	10.1	0.008759
20:00	11.5	12.0	13.4	20.4	69.3	63.2	10.1	10.5	0.008655
21:00	11.7	12.3	13.2	20.3	75.7	70.2	10.3	10.7	0.008784
22:00	11.9	12.4	13.2	20.2	79.4	73.8	10.5	10.8	0.008906
23:00	11.9	12.8	13.1	20.1	81.7	77.2	10.5	11.1	0.008919
Avg	8.0	8.0	10.7	19.2	63.9	60.4	8.2	8.2	0.006948
Max	11.9	12.8	15.1	20.4	85.1	79.3	10.5	11.1	0.008919
Hr. of Max	23	23	18	20	05	05	23	23	23
Min	5.6	5.6	6.5	18.1	34.9	36.3	7.0	6.8	0.005773
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)

10/13/2016

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	0.005901	9.1	9.3	.00	29.27	991.2	-2.1	.00	286.1
01:00	0.005926	9.2	9.4	.00	29.26	991.0	-2.1	.00	252.5
02:00	0.005973	9.2	9.4	.00	29.25	990.7	-2.4	.00	121.7
03:00	0.005961	9.1	9.4	.00	29.25	990.6	-2.2	.00	259.5
04:00	0.00592	9.1	9.3	.00	29.25	990.6	-1.7	.00	256.1
05:00	0.00592	9.2	9.3	.00	29.26	991.1	-2.6	.00	242.9
06:00	0.006027	9.7	9.5	.00	29.27	991.4	-2.6	.00	88.8
07:00	0.006302	9.9	9.9	.00	29.28	991.6	1.5	.00	331.8
08:00	0.006345	10.3	10.0	.00	29.29	992.1	123.3	.18	234.2
09:00	0.006643	10.9	10.5	.00	29.30	992.3	168.8	.24	126.2
10:00	0.006286	10.3	9.9	.00	29.31	992.5	286.3	.41	193.4
11:00	0.005901	9.7	9.3	.00	29.31	992.5	370.7	.53	196.0
12:00	0.005873	9.6	9.3	.00	29.30	992.4	316.1	.45	196.4
13:00	0.005845	9.5	9.2	.00	29.29	992.0	483.8	.69	23.4
14:00	0.006261	10.1	9.9	.00	29.27	991.2	555.1	.80	121.5
15:00	0.006972	11.1	11.0	.00	29.25	990.6	625.8	.90	91.9
16:00	0.007425	11.8	11.7	.00	29.24	990.2	491.9	.71	80.3
17:00	0.007842	12.5	12.3	.00	29.23	990.0	236.7	.34	106.0
18:00	0.008221	13.4	12.9	.00	29.24	990.1	55.2	.08	85.1
19:00	0.008773	13.8	13.8	.00	29.24	990.4	-1.3	.00	41.0
20:00	0.00901	13.6	14.1	.00	29.25	990.7	-1.4	.00	41.7
21:00	0.00916	13.8	14.4	.00	29.27	991.2	-2.8	.00	52.4
22:00	0.009196	14.0	14.4	.00	29.28	991.6	-2.7	.00	80.3
23:00	0.009438	14.0	14.8	.00	29.29	991.9	-2.4	.00	41.4
Avg	0.006963	11.0	11.0	.00	29.27	991.2	153.7	.22	104.0
Max	0.009438	14.0	14.8	.00	29.31	992.5	625.8	.90	331.8
Hr. of Max	23	23	23	23	11	11	15	15	07
Min	0.005845	9.1	9.2	.00	29.23	990.0	-2.8	.00	23.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/13/2016

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	66.5	249.9	241.1	245.0	35.1	46.2	9.8	.5	.2
01:00	262.4	221.9	261.5	216.8	22.4	37.9	8.7	.8	1.8
02:00	59.7	278.3	241.2	267.7	30.7	25.8	24.9	.1	.3
03:00	61.0	163.4	239.2	140.5	46.7	56.0	34.9	.3	.4
04:00	221.0	229.0	262.2	232.3	41.0	48.2	37.8	1.1	.5
05:00	239.1	238.8	238.6	234.3	23.0	35.5	16.0	1.3	1.3
06:00	64.1	325.7	52.2	317.2	34.8	45.5	27.7	.0	1.2
07:00	40.8	76.2	11.9	63.6	39.0	15.2	12.4	.3	1.1
08:00	44.7	52.3	218.0	34.6	35.6	25.8	20.4	.1	.9
09:00	45.5	63.5	135.9	37.1	35.5	46.6	32.8	.3	.5
10:00	212.8	210.3	207.8	230.1	46.1	52.0	65.0	.5	.7
11:00	207.9	213.6	200.6	209.5	43.3	35.1	36.4	2.1	2.5
12:00	203.9	205.1	206.9	207.4	34.4	34.3	42.2	1.5	1.6
13:00	7.1	5.5	12.9	346.1	62.3	48.9	48.6	.5	1.1
14:00	120.9	109.7	127.0	102.1	39.6	33.2	33.8	2.7	2.8
15:00	80.5	73.5	92.7	60.4	57.6	57.3	43.9	2.2	2.4
16:00	71.9	70.0	79.7	57.2	32.1	22.6	20.4	3.8	4.5
17:00	99.2	93.1	109.3	81.9	25.8	23.1	20.6	3.1	3.5
18:00	109.5	105.8	93.6	97.3	31.3	45.6	29.3	.6	1.6
19:00	61.2	57.0	46.2	45.1	13.3	7.3	4.6	1.4	2.7
20:00	57.2	55.1	46.5	43.2	26.0	11.3	4.4	.6	2.2
21:00	65.6	42.1	60.0	27.9	25.0	13.8	8.8	.9	2.3
22:00	59.8	56.6	84.8	45.1	12.7	9.5	5.1	1.2	3.4
23:00	57.8	62.9	43.2	51.9	19.7	10.2	6.6	1.6	4.2
Avg	75.0	87.0	122.0	56.0	33.9	32.8	24.8	.0	.0
Max	262.4	325.7	262.2	346.1	62.3	57.3	65.0	3.8	4.5
Hr. of Max	01	06	04	13	13	15	10	16	16
Min	7.1	5.5	11.9	27.9	12.7	7.3	4.4	.0	.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)

10/13/2016

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	1.9	.5	.4	2.0	.9	2.2	.9	1.6	.01
01:00	3.7	.9	1.8	3.7	1.3	4.0	.9	-.8	.02
02:00	1.0	.2	1.1	1.2	.6	1.4	1.3	.8	.02
03:00	.4	.5	.4	.5	.9	.8	2.3	-.9	.04
04:00	1.1	1.4	1.0	1.6	1.6	1.8	1.1	.1	.02
05:00	2.1	1.5	1.4	2.1	1.9	2.3	.2	.5	.00
06:00	.3	.4	1.2	1.2	.6	1.5	1.5	.3	.03
07:00	1.9	.5	1.2	1.9	.8	2.1	1.6	-.1	.01
08:00	1.3	.3	.9	1.5	.8	1.7	8.7	.0	.20
09:00	.6	.5	.7	.6	1.0	1.1	-2.2	-11.3	.01
10:00	.5	.8	.9	.8	1.3	1.3	-4.1	-11.0	-.07
11:00	2.6	2.7	2.9	3.0	3.2	3.6	2.6	-1.7	.12
12:00	1.7	1.8	1.9	2.0	2.3	2.4	-6.4	-19.5	-.21
13:00	1.3	2.1	2.4	2.5	2.6	3.2	1.6	.3	.05
14:00	2.9	3.2	3.3	3.4	3.9	4.0	2.0	1.9	.11
15:00	2.7	3.1	3.2	3.4	3.7	4.1	-1.9	-3.1	-.25
16:00	4.9	4.3	4.8	5.2	4.8	5.8	-.4	-2.8	-.17
17:00	4.0	3.4	4.0	4.3	4.1	4.9	1.0	7.5	.11
18:00	2.3	1.7	2.5	3.1	2.1	3.5	3.8	3.2	.12
19:00	4.2	1.5	2.8	4.2	1.6	4.4	2.3	-.1	.04
20:00	4.5	.7	2.2	4.6	.9	4.8	4.3	.9	.08
21:00	3.8	1.0	2.4	4.0	1.2	4.2	1.6	1.0	.02
22:00	6.9	1.3	3.4	6.9	1.5	7.2	2.9	-1.3	.08
23:00	6.6	1.7	4.3	6.7	1.8	6.9	-1.6	.2	-.11
Avg	.0	1.5	2.1	2.9	1.9	3.3	1.0	-1.4	.01
Max	6.9	4.3	4.8	6.9	4.8	7.2	8.7	7.5	.20
Hr. of Max	22	16	16	22	16	22	08	17	08
Min	.3	.2	.4	.5	.6	.8	-6.4	-19.5	-.25
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/13/2016

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	.07	1.8	1.4	3.9	6.5	6.2	12.4	14.7
01:00	-.05	3.9	6.0	6.6	7.3	3.8	11.4	14.6
02:00	.03	1.6	3.4	4.8	6.8	7.1	11.6	14.5
03:00	-.02	1.8	2.3	2.3	6.8	6.5	10.9	12.8
04:00	.00	3.4	2.7	3.0	6.5	5.0	10.4	12.6
05:00	.05	3.4	4.8	5.3	5.7	4.4	9.9	11.9
06:00	.01	3.4	2.3	3.4	6.8	5.9	10.4	12.3
07:00	.01	3.4	2.7	3.9	8.4	5.2	11.1	12.4
08:00	.00	2.1	2.3	2.7	19.1	7.8	12.0	13.1
09:00	-.25	1.8	2.3	2.5	28.1	22.1	14.7	14.5
10:00	-.38	3.4	3.4	4.1	28.6	31.9	16.9	16.3
11:00	-.05	6.4	6.4	6.9	21.8	26.3	19.1	18.4
12:00	-.82	5.7	7.1	8.0	26.3	24.8	19.8	19.1
13:00	-.06	6.4	8.0	8.7	30.0	32.0	21.4	20.6
14:00	.19	6.9	7.8	8.5	21.5	25.7	22.8	22.1
15:00	-.37	9.6	9.4	9.2	25.9	30.1	24.3	23.3
16:00	-.34	11.2	10.1	10.5	21.0	20.1	24.8	23.9
17:00	.62	9.6	10.1	11.0	18.1	17.9	24.9	24.1
18:00	.09	7.6	7.1	8.2	15.3	15.6	24.3	24.0
19:00	-.01	3.7	5.7	9.2	9.0	3.0	22.2	22.5
20:00	.07	2.3	8.2	12.8	10.4	2.5	20.2	21.3
21:00	.05	3.4	5.7	7.8	8.7	3.1	18.8	20.6
22:00	-.18	4.6	11.2	14.7	8.3	3.5	18.1	19.1
23:00	-.01	4.8	7.6	13.7	14.1	4.8	17.9	18.1
Avg	-.06	4.7	5.8	7.2	15.0	13.1	17.1	17.8
Max	.62	11.2	11.2	14.7	30.0	32.0	24.9	24.1
Hr. of Max	17	16	22	22	13	13	17	17
Min	-.82	1.6	1.4	2.3	5.7	2.5	9.9	11.9
Count	24	24	24	24	24	24	24	24
Total								