Date Printed: 12/27/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

12/26/2016

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	11.6	13.1	13.9	15.4	1.45	2.29	3.71	.84	2.26
01:00	10.8	12.3	13.0	14.7	1.49	2.21	3.88	.72	2.39
02:00	10.4	11.7	12.8	14.4	1.30	2.33	3.95	1.03	2.65
03:00	10.5	11.8	13.3	15.1	1.28	2.78	4.62	1.49	3.34
04:00	10.7	13.2	15.6	16.2	2.48	4.91	5.51	2.43	3.03
05:00	11.1	11.8	12.7	14.6	.72	1.66	3.52	.95	2.80
06:00	11.0	11.6	11.8	12.9	.59	.77	1.88	.18	1.29
07:00	11.2	11.6	11.8	13.2	.43	.62	2.06	.18	1.62
08:00	12.0	12.1	12.3	13.7	.11	.27	1.69	.16	1.58
09:00	13.9	13.7	13.7	14.1	-.11	-.19	.26	-.07	.37
10:00	15.5	15.3	15.1	15.1	-.15	-.35	-.34	-.20	-.19
11:00	16.5	16.4	16.1	16.0	-.15	-.40	-.48	-.25	-.33
12:00	17.9	17.9	17.8	17.8	.03	-.10	-.08	-.13	-.12
13:00	17.2	17.2	17.0	16.9	-.09	-.27	-.35	-.19	-.27
14:00	17.2	17.0	16.8	16.8	-.15	-.36	-.44	-.21	-.29
15:00	17.3	17.2	17.0	16.9	-.08	-.27	-.34	-.18	-.26
16:00	17.0	17.2	17.0	17.0	.18	.07	.04	-.11	-.15
17:00	16.1	16.9	16.9	16.9	.81	.83	.82	.01	.00
18:00	15.7	16.5	16.5	16.5	.84	.83	.83	-.02	-.01
19:00	16.3	16.7	16.7	16.8	.35	.36	.44	.01	.09
20:00	17.2	17.4	17.3	17.3	.18	.08	.09	-.10	-.09
21:00	17.0	17.2	17.2	17.2	.24	.16	.19	-.07	-.04
22:00	16.7	16.9	16.8	16.8	.16	.07	.06	-.10	-.10
23:00	16.6	16.7	16.6	16.5	.06	-.08	-.12	-.13	-.17
Avg	14.5	15.0	15.2	15.8	.50	.76	1.31	.26	.81
Max	17.9	17.9	17.8	17.8	2.48	4.91	5.51	2.43	3.34
Hr. of Max	12	12	12	12	04	04	04	04	03
Min	10.4	11.6	11.8	12.9	-.15	-.40	-.48	-.25	-.33
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/26/2016

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	10.9	12.8	11.2	11.0	96.6	99.6	10.0	11.2	0.008281
01:00	10.1	12.0	10.3	10.9	96.7	99.6	9.5	10.7	0.007836
02:00	9.7	11.5	10.0	10.8	96.7	99.7	9.2	10.3	0.007634
03:00	9.9	11.5	10.1	10.8	96.8	99.6	9.3	10.4	0.007692
04:00	10.0	12.9	10.3	10.7	96.9	99.4	9.4	11.3	0.00779
05:00	10.4	11.5	10.6	10.6	97.1	99.3	9.7	10.3	0.007998
06:00	10.4	11.3	10.6	10.6	97.0	99.3	9.6	10.2	0.007964
07:00	10.5	11.3	10.8	10.6	97.1	99.3	9.7	10.2	0.008057
08:00	11.4	11.8	11.6	10.6	97.3	99.0	10.3	10.5	0.008535
09:00	12.5	12.2	13.0	10.6	93.2	91.6	11.0	10.7	0.009207
10:00	12.4	12.6	13.4	10.6	83.2	85.0	10.8	11.0	0.009116
11:00	12.1	12.4	13.6	10.8	76.4	78.9	10.6	10.8	0.008963
12:00	12.2	12.4	14.1	11.0	70.6	71.5	10.6	10.8	0.009025
13:00	12.2	12.5	13.9	11.2	73.3	75.3	10.6	10.9	0.009027
14:00	12.4	12.6	14.0	11.3	74.7	76.3	10.8	10.9	0.009167
15:00	12.6	12.7	14.2	11.5	75.2	76.3	10.9	11.0	0.009287
16:00	12.8	13.0	14.2	11.6	77.9	77.7	11.1	11.2	0.009439
17:00	13.5	13.2	14.3	11.7	85.9	80.2	11.6	11.4	0.009829
18:00	13.5	13.2	14.2	11.8	88.2	82.2	11.6	11.4	0.009827
19:00	13.4	13.7	14.4	11.8	84.2	84.0	11.5	11.8	0.0098
20:00	13.6	14.1	14.8	11.8	80.6	82.2	11.7	12.0	0.009936
21:00	13.6	14.1	14.7	11.9	81.7	83.2	11.7	12.0	0.009927
22:00	13.8	14.3	14.8	11.9	84.2	86.2	11.8	12.2	0.010074
23:00	13.9	14.5	14.8	12.0	85.4	88.4	11.9	12.4	0.010145
Avg	12.0	12.7	12.8	11.2	87.0	88.1	10.6	11.1	0.00894
Max	13.9	14.5	14.8	12.0	97.3	99.7	11.9	12.4	0.010145
Hr. of Max	23	23	23	23	08	02	23	23	23
Min	9.7	11.3	10.0	10.6	70.6	71.5	9.2	10.2	0.007634
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)

12/26/2016

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	0.00939	13.1	14.8	.00	29.42	996.3	-2.5	.00	87.5
01:00	0.008906	12.4	14.1	.00	29.43	996.6	-3.4	.00	83.4
02:00	0.008574	12.1	13.6	.00	29.44	996.9	-1.8	.00	70.0
03:00	0.008617	12.2	13.6	.00	29.44	997.0	-2.8	.00	100.5
04:00	0.009423	12.3	14.9	.00	29.44	997.1	-1.1	.00	205.5
05:00	0.008581	12.7	13.6	.00	29.45	997.3	-2.2	.00	83.5
06:00	0.008479	12.6	13.4	.00	29.45	997.4	-2.4	.00	85.1
07:00	0.008479	12.8	13.4	.00	29.46	997.7	-.3	.00	77.8
08:00	0.008749	13.5	13.8	.00	29.47	998.0	61.6	.09	90.7
09:00	0.008982	14.6	14.2	.00	29.48	998.3	142.1	.20	84.2
10:00	0.009225	14.4	14.6	.00	29.49	998.6	148.3	.21	79.9
11:00	0.009168	14.2	14.5	.00	29.46	997.8	146.3	.21	76.7
12:00	0.009171	14.3	14.5	.00	29.44	996.9	89.1	.13	220.1
13:00	0.009213	14.3	14.5	.00	29.42	996.3	84.6	.12	243.0
14:00	0.009279	14.5	14.6	.00	29.40	995.8	108.4	.16	230.6
15:00	0.009371	14.6	14.8	.00	29.39	995.2	70.1	.10	253.3
16:00	0.009528	14.9	15.0	.00	29.38	995.1	20.6	.03	237.9
17:00	0.009673	15.5	15.2	.00	29.38	995.0	.2	.00	249.3
18:00	0.009676	15.5	15.2	.00	29.38	995.0	-3.0	.00	226.1
19:00	0.010002	15.4	15.7	.00	29.37	994.6	-2.4	.00	199.7
20:00	0.010244	15.6	16.1	.00	29.36	994.4	-2.7	.00	201.1
21:00	0.010263	15.6	16.1	.00	29.36	994.1	-2.1	.00	207.2
22:00	0.010421	15.8	16.4	.00	29.34	993.8	-1.8	.00	238.3
23:00	0.010534	15.9	16.5	.00	29.33	993.3	-2.1	.00	235.0
Avg	0.009331	14.1	14.7	.00	29.42	996.2	35.0	.05	166.0
Max	0.010534	15.9	16.5	.00	29.49	998.6	148.3	.21	253.3
Hr. of Max	23	23	23	23	10	10	10	11	15
Min	0.008479	12.1	13.4	.00	29.33	993.3	-3.4	.00	70.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/26/2016

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	49.8	94.6	69.2	84.0	15.2	17.0	29.5	.3	1.3
01:00	65.4	177.5	61.5	164.1	15.7	10.3	49.2	.2	1.6
02:00	50.7	76.5	57.4	67.6	27.0	14.8	16.8	1.0	2.7
03:00	23.5	91.3	107.0	73.6	29.3	21.9	31.2	.7	1.5
04:00	271.0	228.8	248.9	224.6	44.3	26.4	16.3	.9	2.4
05:00	73.9	145.1	62.9	126.2	25.2	34.7	46.4	.8	1.5
06:00	62.7	86.8	70.0	75.6	15.2	15.9	49.9	.6	1.6
07:00	61.0	58.1	66.3	49.8	12.9	11.4	13.7	1.2	2.6
08:00	65.4	61.8	83.2	52.0	26.8	23.3	17.0	.9	1.9
09:00	59.2	41.8	79.7	33.6	24.1	25.6	41.1	1.4	1.6
10:00	61.1	66.5	68.4	56.9	22.9	25.8	25.0	1.5	1.6
11:00	72.1	87.4	63.3	78.4	27.4	29.9	25.0	1.2	1.5
12:00	231.0	224.6	224.4	220.3	33.4	18.5	12.5	4.7	7.0
13:00	252.4	248.9	244.7	244.2	24.9	17.4	16.2	3.9	5.6
14:00	235.2	230.7	232.2	226.3	20.8	16.7	12.1	4.5	6.4
15:00	255.0	249.3	255.7	244.5	26.0	17.6	14.7	2.7	3.7
16:00	257.0	252.3	246.8	247.1	32.2	13.8	11.5	1.7	3.1
17:00	268.9	265.7	250.3	260.7	23.3	14.2	10.1	1.9	3.6
18:00	250.6	256.7	230.6	251.8	15.2	12.6	10.4	2.0	3.4
19:00	211.9	211.1	203.7	206.5	20.5	13.2	11.9	3.8	5.8
20:00	210.2	205.7	204.2	201.1	20.0	15.7	12.4	4.1	6.1
21:00	214.2	210.0	210.6	205.6	19.7	13.9	11.7	3.5	5.6
22:00	242.7	237.0	238.7	232.5	21.5	14.8	11.0	5.5	8.2
23:00	237.5	233.0	235.2	228.6	22.7	16.6	12.3	6.1	8.8
Avg	259.0	190.0	176.0	187.0	23.6	18.4	21.2	.0	.0
Max	271.0	265.7	255.7	260.7	44.3	34.7	49.9	6.1	8.8
Hr. of Max	04	17	15	17	04	05	06	23	23
Min	23.5	41.8	57.4	33.6	12.9	10.3	10.1	.2	1.3
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)

12/26/2016

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	1.7	.3	1.4	1.9	.7	2.2	3.0	-.3	.04
01:00	.2	.3	1.7	1.0	.7	1.3	1.4	-.8	.02
02:00	2.8	1.2	2.9	2.9	1.5	3.2	1.5	1.7	.01
03:00	1.5	.9	1.9	1.9	1.4	2.2	1.1	-1.1	.02
04:00	3.7	1.1	2.8	3.9	1.6	4.1	1.7	-.8	.04
05:00	.2	1.0	1.7	1.1	1.4	1.4	1.1	2.3	.01
06:00	.9	.7	1.7	1.1	1.0	1.5	1.4	.8	.01
07:00	2.6	1.2	2.7	2.7	1.5	2.9	-.3	.0	-.01
08:00	3.0	1.0	2.1	3.1	1.3	3.3	1.1	1.0	.03
09:00	1.8	1.6	1.9	2.0	1.9	2.3	.6	-.7	.04
10:00	1.7	1.6	1.7	1.8	1.9	2.1	7.6	2.1	.25
11:00	1.4	1.4	1.8	2.1	1.8	2.4	6.6	.6	.17
12:00	9.6	5.1	7.3	9.8	5.6	10.4	2.4	.1	-.01
13:00	6.6	4.4	6.0	7.1	4.9	7.6	-.3	-.5	-.14
14:00	7.8	4.7	6.6	8.0	5.4	8.6	2.1	.1	.04
15:00	4.6	3.0	4.0	4.8	3.3	5.2	1.7	-1.1	.00
16:00	4.2	1.9	3.3	4.4	2.3	4.6	.9	1.1	-.01
17:00	5.0	2.1	3.8	5.2	2.4	5.3	1.1	2.7	.01
18:00	4.8	2.2	3.6	4.9	2.6	5.1	1.4	1.3	.03
19:00	7.5	4.0	5.9	7.7	4.4	8.2	.2	-.5	-.04
20:00	8.2	4.3	6.3	8.4	4.8	8.8	2.4	-.9	.08
21:00	7.4	3.8	5.9	7.6	4.3	8.0	1.0	.0	-.01
22:00	10.6	5.9	8.5	10.9	6.6	11.6	.1	.3	-.12
23:00	11.2	6.5	9.1	11.4	7.0	12.1	1.5	.5	-.08
Avg	.0	2.5	3.9	4.8	2.9	5.2	1.7	.3	.02
Max	11.2	6.5	9.1	11.4	7.0	12.1	7.6	2.7	.25
Hr. of Max	23	23	23	23	23	23	10	17	10
Min	.2	.3	1.4	1.0	.7	1.3	-.3	-1.1	-.14
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/26/2016

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	-.01	1.8	3.4	6.4	12.8	14.5	13.8	16.0
01:00	-.01	1.6	3.2	2.7	7.4	15.4	13.0	15.4
02:00	.11	3.7	4.8	6.6	11.7	10.0	12.3	15.1
03:00	.02	2.7	4.4	6.6	8.8	13.9	12.4	15.8
04:00	-.07	3.0	6.0	7.3	8.4	7.4	13.6	16.7
05:00	.05	3.9	4.4	3.7	9.3	15.1	12.4	15.1
06:00	.06	3.7	3.9	3.7	9.2	17.0	12.2	13.5
07:00	.01	2.7	4.8	5.5	8.9	9.8	12.3	13.9
08:00	.07	3.7	4.8	8.2	11.4	11.4	12.9	14.3
09:00	-.01	3.9	3.9	3.9	16.6	17.2	14.5	14.7
10:00	.05	4.8	5.5	4.1	21.5	18.1	16.1	15.6
11:00	.05	3.7	4.6	6.2	23.4	15.9	17.2	16.5
12:00	-.09	14.9	19.9	19.9	17.0	8.7	18.6	18.2
13:00	-.17	13.5	15.3	22.0	15.2	9.9	17.9	17.3
14:00	-.10	15.3	13.1	17.4	14.8	9.9	17.8	17.2
15:00	-.15	8.2	7.8	11.7	16.4	10.1	18.0	17.4
16:00	.06	6.4	7.1	8.5	11.2	7.3	18.0	17.5
17:00	.24	7.8	7.8	9.6	11.0	6.7	17.7	17.4
18:00	.08	7.1	7.6	9.2	7.9	6.5	17.3	17.0
19:00	-.15	10.3	13.5	16.9	11.0	7.2	17.6	17.4
20:00	-.22	10.8	14.0	17.4	15.1	9.0	18.3	17.9
21:00	-.05	13.5	15.8	12.8	13.0	6.4	18.2	17.8
22:00	-.03	17.4	19.0	20.2	13.8	7.6	17.8	17.4
23:00	-.03	25.9	30.2	28.4	15.6	8.5	17.6	17.1
Avg	-.01	7.9	9.4	10.8	13.0	11.0	15.7	16.3
Max	.24	25.9	30.2	28.4	23.4	18.1	18.6	18.2
Hr. of Max	17	23	23	23	11	10	12	12
Min	-.22	1.6	3.2	2.7	7.4	6.4	12.2	13.5
Count	24	24	24	24	24	24	24	24
Total								