Date Printed: 09/01/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/31/2016

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	22.2	23.9	24.6	25.5	1.71	2.36	3.29	.65	1.57
01:00	21.6	23.0	23.9	24.6	1.45	2.28	3.03	.83	1.58
02:00	21.1	22.1	22.7	23.5	.99	1.58	2.43	.59	1.44
03:00	20.8	21.7	22.4	23.2	.91	1.58	2.45	.67	1.55
04:00	20.6	21.8	22.2	23.2	1.13	1.60	2.62	.47	1.49
05:00	20.6	21.5	21.9	22.5	.84	1.29	1.85	.45	1.01
06:00	20.2	21.1	21.5	22.1	.83	1.28	1.84	.45	1.02
07:00	20.3	21.0	21.4	21.7	.73	1.09	1.39	.36	.66
08:00	22.9	22.7	22.6	22.6	-.16	-.30	-.27	-.14	-.11
09:00	26.1	25.5	25.2	25.0	-.62	-.91	-1.03	-.30	-.42
10:00	28.3	27.4	27.1	26.9	-.89	-1.26	-1.39	-.37	-.49
11:00	30.0	28.8	28.5	28.4	-1.22	-1.58	-1.67	-.36	-.45
12:00	31.4	30.0	29.6	29.6	-1.43	-1.76	-1.83	-.33	-.40
13:00	32.9	31.4	31.0	30.8	-1.57	-1.97	-2.08	-.40	-.51
14:00	33.7	32.2	31.9	31.7	-1.52	-1.83	-1.96	-.31	-.45
15:00	33.4	32.4	32.1	32.0	-1.02	-1.33	-1.46	-.31	-.44
16:00	33.9	32.6	32.2	32.0	-1.25	-1.69	-1.90	-.44	-.65
17:00	31.3	30.6	30.3	30.2	-.61	-.91	-1.01	-.31	-.41
18:00	29.2	28.8	28.6	28.5	-.42	-.64	-.71	-.22	-.29
19:00	27.9	27.7	27.6	27.6	-.20	-.37	-.38	-.17	-.18
20:00	25.9	26.3	26.6	26.7	.45	.74	.76	.29	.32
21:00	24.3	24.9	25.5	26.0	.60	1.22	1.72	.62	1.13
22:00	23.5	24.3	24.9	25.6	.80	1.46	2.16	.66	1.35
23:00	22.7	23.4	24.2	24.8	.75	1.52	2.18	.76	1.43
Avg	26.0	26.0	26.2	26.4	.01	.14	.42	.13	.41
Max	33.9	32.6	32.2	32.0	1.71	2.36	3.29	.83	1.58
Hr. of Max	16	16	16	16	00	00	00	01	01
Min	20.2	21.0	21.4	21.7	-1.57	-1.97	-2.08	-.44	-.65
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/31/2016

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	19.0	19.4	20.1	28.0	84.3	77.6	16.2	16.5	0.014273
01:00	19.1	19.6	19.9	27.8	87.5	83.1	16.3	16.8	0.014272
02:00	19.0	19.7	19.7	27.6	90.0	88.6	16.2	16.9	0.014225
03:00	18.9	19.9	19.5	27.3	91.0	91.7	16.1	17.1	0.014118
04:00	18.9	20.0	19.5	27.1	92.0	91.7	16.2	17.2	0.014146
05:00	19.0	19.8	19.6	26.9	92.7	92.6	16.3	17.1	0.014256
06:00	18.8	19.8	19.3	26.7	93.6	94.8	16.1	17.1	0.014062
07:00	18.8	19.8	19.3	26.6	93.1	94.8	16.1	17.0	0.01403
08:00	19.7	19.4	20.8	26.4	84.6	83.6	16.9	16.6	0.014932
09:00	19.9	19.3	22.0	26.3	70.9	70.9	16.9	16.4	0.015125
10:00	18.9	18.3	22.0	26.2	58.2	59.2	15.8	15.3	0.014169
11:00	19.0	18.7	22.7	26.3	53.1	55.8	15.8	15.6	0.014297
12:00	18.5	18.3	22.8	26.6	47.9	51.3	15.4	15.2	0.013936
13:00	17.6	17.5	22.7	27.1	41.4	45.0	14.4	14.4	0.013174
14:00	16.9	17.1	22.5	27.6	38.0	41.8	13.8	14.0	0.012648
15:00	16.8	17.0	22.4	28.2	38.5	41.0	13.8	13.9	0.012596
16:00	16.9	17.0	22.6	28.6	37.7	40.4	13.8	13.9	0.012679
17:00	18.5	18.8	22.7	28.8	48.7	51.2	15.4	15.7	0.013985
18:00	19.6	19.7	22.8	28.9	57.8	59.6	16.5	16.6	0.014931
19:00	19.4	19.3	22.2	28.9	61.3	61.8	16.3	16.2	0.014672
20:00	19.9	19.8	21.9	28.8	71.5	69.2	16.9	16.8	0.015164
21:00	19.9	19.9	21.4	28.7	78.6	75.8	17.0	17.0	0.015168
22:00	19.9	20.0	21.1	28.5	82.2	79.0	17.0	17.1	0.015082
23:00	19.7	19.9	20.7	28.3	85.4	83.0	16.9	17.1	0.01491
Avg	18.9	19.1	21.3	27.6	70.0	70.1	15.9	16.1	0.014202
Max	19.9	20.0	22.8	28.9	93.6	94.8	17.0	17.2	0.015168
Hr. of Max	22	22	18	19	06	07	22	04	21
Min	16.8	17.0	19.3	26.2	37.7	40.4	13.8	13.9	0.012596
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)

8/31/2016

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	0.014583	22.1	22.6	.00	29.11	986.0	-1.9	.00	11.3
01:00	0.014793	22.1	22.9	.00	29.12	986.0	-2.2	.00	275.2
02:00	0.014878	22.0	23.0	.00	29.12	986.1	-2.6	.00	256.1
03:00	0.015041	21.9	23.3	.00	29.12	986.0	-1.9	.00	272.9
04:00	0.01511	21.9	23.4	.00	29.11	986.0	-2.1	.00	26.4
05:00	0.014994	22.1	23.2	.00	29.11	985.7	-2.9	.00	299.2
06:00	0.014989	21.8	23.2	.00	29.11	985.7	-2.4	.00	311.1
07:00	0.014943	21.7	23.1	.00	29.11	985.8	33.6	.05	324.5
08:00	0.014605	23.1	22.6	.00	29.11	985.8	206.1	.30	90.2
09:00	0.014571	23.4	22.6	.00	29.11	985.8	424.6	.61	103.2
10:00	0.013691	22.0	21.2	.00	29.11	985.7	613.3	.88	189.3
11:00	0.014003	22.1	21.7	.00	29.10	985.4	760.4	1.09	223.8
12:00	0.013749	21.6	21.3	.00	29.08	985.0	863.6	1.24	242.2
13:00	0.013079	20.4	20.3	.00	29.06	984.0	925.5	1.33	213.3
14:00	0.012767	19.6	19.8	.00	29.03	983.2	845.1	1.21	253.5
15:00	0.012705	19.5	19.7	.00	29.01	982.3	546.1	.78	66.8
16:00	0.012678	19.6	19.6	.00	28.99	981.8	656.7	.94	333.2
17:00	0.014223	21.6	21.9	.00	28.99	981.8	205.0	.29	325.0
18:00	0.015017	23.0	23.1	.00	28.99	981.9	93.9	.13	304.7
19:00	0.014624	22.6	22.6	.00	29.00	981.9	47.0	.07	218.1
20:00	0.015081	23.4	23.2	.00	29.00	982.1	-.6	.00	255.0
21:00	0.015155	23.4	23.4	.00	29.02	982.7	-2.4	.00	282.8
22:00	0.015206	23.3	23.5	.00	29.03	983.1	-2.3	.00	292.5
23:00	0.015161	23.0	23.4	.00	29.03	983.1	-2.1	.00	253.6
Avg	0.014402	22.0	22.3	.00	29.07	984.3	258.2	.37	281.0
Max	0.015206	23.4	23.5	.00	29.12	986.1	925.5	1.33	333.2
Hr. of Max	22	21	22	23	03	02	13	13	16
Min	0.012678	19.5	19.6	.00	28.99	981.8	-2.9	.00	11.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/31/2016

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	74.3	62.0	18.8	50.6	45.3	10.0	6.1	.6	2.1
01:00	132.2	78.1	272.1	56.9	26.5	24.8	22.5	.9	.3
02:00	237.3	180.8	258.0	182.4	24.9	34.3	25.8	1.4	1.6
03:00	26.2	254.8	264.8	250.6	26.4	47.8	22.6	.8	.2
04:00	40.7	6.3	30.9	343.9	42.4	27.5	26.1	.5	1.5
05:00	137.0	62.9	271.1	33.3	46.7	46.0	18.5	.4	.3
06:00	66.3	66.8	286.3	50.2	53.0	40.7	20.9	.7	.8
07:00	20.9	91.9	319.7	80.7	27.5	56.8	10.4	.4	.6
08:00	66.4	54.8	99.9 +	38.7	35.0	44.2	27.4	.6	1.0
09:00	95.1	88.9	110.5	74.7	45.5	46.0	39.1	1.0	1.0
10:00	196.0	187.2	194.7	184.6	53.9	45.4	40.7	1.0	1.2
11:00	230.1	227.6	228.6	220.9	31.7	23.9	20.4	3.7	4.6
12:00	251.4	250.5	247.8	243.4	41.3	36.3	30.5	3.5	4.6
13:00	224.7	225.9	219.0	219.1	51.4	47.1	34.9	3.4	4.0
14:00	257.6	249.8	256.8	243.8	56.5	56.2	59.9	1.8	2.0
15:00	49.2	36.6	65.4	23.1	58.6	51.2	40.0	1.2	1.7
16:00	349.9	352.2	330.9	337.7	47.2	42.9	40.8	2.5	3.6
17:00	332.0	331.3	325.0	318.7	27.9	22.8	20.7	4.2	5.7
18:00	317.7	317.9	304.8	305.9	31.2	25.5	21.2	2.3	3.7
19:00	241.8	266.3	222.7	259.4	38.3	27.7	28.3	1.4	1.9
20:00	245.2	224.7	255.7	235.3	47.8	49.8	57.6	1.4	1.9
21:00	243.5	209.9	279.2	222.2	45.2	39.1	53.9	.7	.7
22:00	22.5	53.3	289.0	14.2	50.8	51.6	28.0	.6	.3
23:00	237.6	189.7	256.0	195.9	27.5	42.6	30.0	1.5	1.9
Avg	304.0	333.0	275.0	301.0	40.9	39.2	30.3	.0	.0
Max	349.9	352.2	330.9	343.9	58.6	56.8	59.9	4.2	5.7
Hr. of Max	16	16	16	04	15	07	14	17	17
Min	20.9	6.3	18.8	14.2	24.9	10.0	6.1	.4	.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)

8/31/2016

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	4.5	.9	2.2	4.5	1.1	4.8	1.3	1.2	.03
01:00	1.7	1.3	1.2	2.1	1.6	2.3	.2	-.4	.00
02:00	1.4	1.6	1.7	1.5	1.9	1.9	.4	.5	.00
03:00	1.1	.9	.2	1.2	1.2	1.4	1.0	1.2	.01
04:00	1.5	.7	1.6	1.8	.9	2.1	1.7	2.0	.02
05:00	1.0	1.2	1.3	1.2	1.5	1.6	1.2	1.2	.00
06:00	1.4	.8	.9	1.6	1.0	1.8	-.4	.5	-.02
07:00	1.1	.6	.8	1.4	.8	1.7	1.3	.9	.01
08:00	1.8	.8	1.2	2.0	1.3	2.3	-2.2	-.8	-.05
09:00	1.1	1.4	1.5	1.6	2.0	2.2	4.1	14.3	.17
10:00	1.5	2.3	2.5	2.7	2.9	3.3	-.5	1.6	-.01
11:00	5.2	4.2	5.0	5.5	4.7	6.2	-1.0	-3.3	-.19
12:00	5.4	4.8	5.7	6.2	5.3	6.8	-3.0	.0	-.36
13:00	4.6	4.6	5.1	5.4	5.2	6.1	1.9	.5	.10
14:00	2.1	3.4	3.9	4.3	4.1	5.1	.9	3.0	-.14
15:00	2.2	3.0	3.3	3.6	3.6	4.3	-2.8	-2.7	-.26
16:00	4.3	4.0	4.9	5.4	4.6	5.9	-3.7	-2.0	-.50
17:00	7.1	4.8	6.4	7.8	5.4	8.3	-5.8	-4.3	-.81
18:00	5.1	2.7	4.0	5.4	3.1	5.7	-1.4	-1.9	-.26
19:00	2.4	2.0	2.7	3.4	2.6	3.7	-.3	1.4	-.07
20:00	1.4	1.7	2.2	1.9	2.0	2.2	-.3	-.2	-.05
21:00	.5	.9	.9	.8	1.1	1.2	.7	1.4	.00
22:00	.8	.9	.9	1.6	1.2	1.8	1.2	.8	.02
23:00	2.0	1.7	2.1	2.7	2.1	2.9	.6	-.5	-.01
Avg	.0	2.1	2.6	3.2	2.6	3.6	-.2	.6	-.10
Max	7.1	4.8	6.4	7.8	5.4	8.3	4.1	14.3	.17
Hr. of Max	17	17	17	17	17	17	09	09	09
Min	.5	.6	.2	.8	.8	1.2	-5.8	-4.3	-.81
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/31/2016

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	36_SonicTemp_015m	37_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	.11	3.0	5.3	9.8	7.3	3.0	25.3	26.7
01:00	.01	3.7	5.3	10.3	4.9	4.9	24.5	25.8
02:00	.00	3.7	4.1	3.4	5.5	8.8	23.5	24.8
03:00	.03	2.5	1.4	2.1	6.2	6.4	23.2	24.6
04:00	.12	2.5	3.9	4.8	11.2	9.3	23.3	24.5
05:00	.07	4.1	3.7	3.4	7.7	8.4	23.0	23.8
06:00	.02	3.2	4.1	4.4	8.7	7.5	22.6	23.3
07:00	.04	2.1	2.7	3.0	7.4	5.8	22.5	23.0
08:00	-.06	3.0	5.5	6.9	21.4	17.0	24.3	23.9
09:00	.57	4.6	4.1	4.8	29.0	33.0	27.1	26.4
10:00	.02	7.6	6.9	7.3	26.6	27.9	28.7	27.8
11:00	-.48	9.8	11.4	11.7	21.7	21.8	29.9	29.0
12:00	-.27	13.5	13.1	14.0	20.6	21.3	31.0	30.1
13:00	.07	11.9	11.9	11.4	23.5	23.2	32.2	31.2
14:00	.08	11.7	12.4	12.8	26.4	27.9	33.1	32.1
15:00	-.28	8.9	11.4	11.4	23.7	25.9	33.3	32.5
16:00	-.44	9.6	10.8	10.5	20.4	19.4	33.6	32.6
17:00	-.83	13.5	17.2	16.9	18.0	12.9	31.9	31.0
18:00	-.39	9.2	11.4	14.2	22.9	16.0	30.2	29.5
19:00	.03	6.9	11.4	14.2	19.0	16.1	29.1	28.5
20:00	-.06	4.4	6.6	5.7	13.2	17.4	27.8	27.8
21:00	.02	2.7	2.5	3.4	9.7	15.7	26.4	27.2
22:00	.05	2.7	3.4	3.9	9.7	9.5	25.7	26.8
23:00	-.01	3.2	4.6	5.5	7.1	5.9	24.9	26.1
Avg	-.07	6.2	7.3	8.2	15.5	15.2	27.4	27.5
Max	.57	13.5	17.2	16.9	29.0	33.0	33.6	32.6
Hr. of Max	09	17	17	17	09	09	16	16
Min	-.83	2.1	1.4	2.1	4.9	3.0	22.5	23.0
Count	24	24	24	24	24	24	24	24
Total								