Date Printed: 10/23/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/22/2016

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	8.9	10.7	11.0	11.1	1.83	2.14	2.26	.31	.43
01:00	7.8	9.4	10.0	10.4	1.64	2.16	2.61	.52	.97
02:00	7.1	8.8	9.5	10.0	1.76	2.39	2.95	.63	1.19
03:00	6.3	9.4	9.8	10.0	3.05	3.48	3.73	.43	.68
04:00	5.3	8.8	9.4	9.7	3.48	4.08	4.36	.60	.88
05:00	4.7	8.5	8.8	9.1	3.83	4.12	4.46	.29	.63
06:00	3.8	5.9	7.3	8.1	2.13	3.45	4.27	1.32	2.14
07:00	3.6	5.1	6.3	6.9	1.56	2.72	3.28	1.16	1.72
08:00	4.8	5.5	5.8	6.3	.74	1.08	1.52	.34	.78
09:00	7.4	7.1	7.1	7.3	-.30	-.33	-.05	-.03	.25
10:00	10.6	10.0	9.7	9.6	-.55	-.85	-.96	-.29	-.40
11:00	11.8	11.1	10.8	10.5	-.74	-1.05	-1.26	-.32	-.52
12:00	13.5	12.4	12.0	11.8	-1.02	-1.44	-1.63	-.42	-.61
13:00	14.5	13.4	13.0	12.8	-1.10	-1.48	-1.64	-.38	-.54
14:00	15.7	14.4	14.0	13.9	-1.27	-1.65	-1.84	-.37	-.57
15:00	16.4	15.2	14.9	14.7	-1.18	-1.53	-1.71	-.36	-.54
16:00	16.6	15.7	15.3	15.2	-.90	-1.26	-1.37	-.35	-.47
17:00	16.3	15.7	15.4	15.3	-.63	-.90	-1.01	-.28	-.39
18:00	14.2	14.7	14.6	14.7	.54	.46	.49	-.08	-.05
19:00	10.9	13.6	13.8	13.9	2.74	2.92	3.08	.19	.34
20:00	8.7	11.1	11.9	13.0	2.35	3.12	4.31	.78	1.97
21:00	6.9	9.4	9.8	11.5	2.49	2.94	4.65	.45	2.16
22:00	5.5 P	7.8 P	9.0 P	10.2 P	P	P	P	P	P
23:00	4.7	6.8	7.5	8.6	2.08	2.74	3.90	.66	1.82
Avg	9.4	10.4	10.7	11.0	.98	1.19	1.50	.21	.52
Max	16.6	15.7	15.4	15.3	3.83	4.12	4.65	1.32	2.16
Hr. of Max	16	17	17	17	05	05	21	06	21
Min	3.6	5.1	5.8	6.3	-1.27	-1.65	-1.84	-.42	-.61
Count	24	24	24	24	23	23	23	23	23
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

10/22/2016

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	3.4	2.0	5.3	19.1	69.4	55.6	6.0	5.4	0.00499
01:00	3.7	2.5	5.0	18.9	75.9	62.8	6.1	5.7	0.005069
02:00	3.5	2.5	4.7	18.7	78.7	65.3	6.1	5.7	0.005005
03:00	3.2	1.2	4.3	18.5	81.3	57.3	6.0	5.1	0.004906
04:00	2.4	.5	3.4	18.2	82.1	56.5	5.7	4.9	0.004618
05:00	1.9	.2	2.8	18.0	83.0	56.6	5.5	4.8	0.004466
06:00	1.6	1.5	2.4	17.8	86.3	73.8	5.4	5.3	0.004365
07:00	1.7	2.4	2.3	17.5	88.3	83.2	5.4	5.7	0.004387
08:00	2.9	2.9	3.5	17.3	88.4	83.8	5.9	5.8	0.004779
09:00	4.0	3.2	5.1	17.1	79.7	77.2	6.3	6.0	0.005159
10:00	3.8	3.2	6.1	16.9	63.7	63.2	6.2	5.9	0.005118
11:00	2.5	2.1	5.6	16.9	53.6	54.6	5.6	5.5	0.004665
12:00	1.1	.7	5.2	16.9	43.7	45.1	5.1	4.9	0.004243
13:00	.1	-.3	4.9	17.0	37.9	39.6	4.7	4.6	0.003938
14:00	-.4	-.7	4.9	17.3	33.9	36.0	4.5	4.4	0.003807
15:00	-1.1	-1.4	4.7	17.5	30.8	32.5	4.3	4.2	0.003622
16:00	-1.5	-1.8	4.5	17.7	29.6	30.7	4.2	4.1	0.003525
17:00	-1.7	-2.0	4.3	17.8	29.8	30.2	4.1	4.0	0.003483
18:00	-.9	-1.8	4.1	17.9	36.3	32.6	4.4	4.1	0.003679
19:00	.9	-.7	4.2	18.0	51.0	38.0	5.0	4.4	0.004161
20:00	1.4	.5	3.8	17.9	60.5	48.7	5.2	4.9	0.004289
21:00	1.1	1.1	3.0	17.8	67.3	56.8	5.1	5.1	0.004209
22:00	P	P	P	17.7 P	73.9 P	64.1 P	P	P	P
23:00	1.1	1.5	2.3	17.5	77.9	69.8	5.2	5.3	0.004186
Avg	1.5	.8	4.2	17.7	62.6	54.8	5.3	5.0	0.004377
Max	4.0	3.2	6.1	19.1	88.4	83.8	6.3	6.0	0.005159
Hr. of Max	09	10	10	00	08	08	09	09	09
Min	-1.7	-2.0	2.3	16.9	29.6	30.2	4.1	4.0	0.003483
Count	23	23	23	24	24	24	23	23	23
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

10/22/2016

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	0.00452	7.8	7.1	.00	29.11	985.9	-2.4	.00	2.7
01:00	0.004687	8.0	7.4	.00	29.11	985.9	-2.0	.00	48.1
02:00	0.004682	7.9	7.4	.00	29.11	985.9	-2.4	.00	55.1
03:00	0.004258	7.7	6.7	.00	29.12	986.1	-2.3	.00	9.9
04:00	0.004036	7.3	6.4	.00	29.12	986.3	-2.3	.00	349.1
05:00	0.003953	7.0	6.2	.00	29.14	986.9	-2.5	.00	301.1
06:00	0.004324	6.9	6.8	.00	29.16	987.6	-2.4	.00	232.4
07:00	0.004613	6.9	7.3	.00	29.18	988.3	-1.0	.00	222.8
08:00	0.004767	7.5	7.5	.00	29.19	988.7	62.0	.09	211.6
09:00	0.004892	8.1	7.7	.00	29.21	989.1	255.0	.37	193.8
10:00	0.004895	8.1	7.7	.00	29.21	989.3	405.9	.58	195.9
11:00	0.004533	7.4	7.2	.00	29.22	989.5	422.3	.61	344.5
12:00	0.004097	6.7	6.5	.00	29.22	989.5	669.4	.96	320.8
13:00	0.003835	6.2	6.1	.00	29.19	988.7	682.0	.98	332.5
14:00	0.003732	6.0	5.9	.00	29.18	988.1	678.7	.97	304.9
15:00	0.003548	5.7	5.6	.00	29.17	987.8	614.7	.88	287.3
16:00	0.003445	5.6	5.4	.00	29.17	987.8	447.5	.64	275.7
17:00	0.003387	5.5	5.4	.00	29.17	988.0	256.9	.37	272.8
18:00	0.00344	5.8	5.4	.00	29.19	988.4	36.8	.05	280.1
19:00	0.003726	6.6	5.9	.00	29.20	989.0	-1.8	.00	301.5
20:00	0.004043	6.8	6.4	.00	29.22	989.5	-2.1	.00	52.6
21:00	0.004212	6.7	6.7	.00	29.22	989.7	-2.4	.00	81.9
22:00	P	P	P	.00 P	29.23 P	989.9 P	-2.6 P	.00 P	162.6 P
23:00	0.004336	6.6	6.9	.00	29.24	990.2	-2.4	.00	55.4
Avg	0.004172	6.9	6.6	.00	29.18	988.2	187.6	.27	312.0
Max	0.004895	8.1	7.7	.00	29.24	990.2	682.0	.98	349.1
Hr. of Max	10	10	10	23	23	23	13	13	04
Min	0.003387	5.5	5.4	.00	29.11	985.9	-2.6	.00	2.7
Count	23	23	23	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/22/2016

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	2.7	2.3	336.5	351.1	28.4	13.9	13.4	1.0	2.1
01:00	17.7	22.1	5.5	9.8	46.8	29.0	17.6	.4	1.4
02:00	14.0	12.5	1.0	1.0	36.3	26.5	16.5	.5	1.6
03:00	4.2	4.3	338.7	353.1	31.7	15.7	14.1	1.1	3.6
04:00	353.9	.4	321.2	350.1	52.0	36.5	29.6	1.2	3.0
05:00	317.3	323.0	294.4	312.7	17.2	14.1	10.0	2.8	4.7
06:00	287.0	303.0	242.2	295.6	37.9	27.2	8.6	1.3	2.8
07:00	243.5	258.1	225.3	252.7	8.2	15.8	14.1	3.4	4.1
08:00	231.5	245.6	215.5	240.5	13.6	6.9	5.7	2.8	3.7
09:00	224.7	254.0	201.9	249.0	19.4	20.2	22.6	2.1	2.6
10:00	256.6	274.3	223.0	267.7	60.4	63.4	51.8	.7	1.5
11:00	346.3	340.9	328.6	330.6	66.8	46.6	31.9	2.3	3.6
12:00	338.9	340.0	312.7	329.8	60.9	43.4	40.0	2.9	4.7
13:00	335.4	332.7	325.5	322.1	58.0	44.0	42.1	2.4	4.2
14:00	313.3	321.2	294.5	310.8	64.3	46.3	37.5	3.5	5.2
15:00	301.6	307.2	285.2	297.9	53.1	41.2	31.8	3.9	5.1
16:00	292.1	295.8	272.6	287.4	34.8	27.8	24.1	4.9	6.3
17:00	286.6	291.9	268.4	284.1	43.2	32.1	27.0	3.8	5.0
18:00	287.8	291.1	277.7	283.6	27.2	16.4	15.9	2.8	4.6
19:00	303.8	304.1	291.3	295.2	40.5	12.7	10.5	2.2	4.3
20:00	56.8	40.6	15.3	41.8	30.9	58.2	36.5	.5	1.0
21:00	91.7	346.9	1.4	332.5	28.6	17.5	36.4	.1	.9
22:00	247.1 P	240.0 P	261.4 P	235.1 P	27.2 P	12.7 P	9.9 P	.6 P	.9 P
23:00	59.7	133.7	.8	108.9	42.3	26.7	42.6	.3	1.0
Avg	318.0	318.0	299.0	310.0	38.7	29.0	24.6	.0	.0
Max	353.9	346.9	338.7	353.1	66.8	63.4	51.8	4.9	6.3
Hr. of Max	04	21	03	03	11	10	10	16	16
Min	2.7	.4	.8	1.0	8.2	6.9	5.7	.1	.9
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)

10/22/2016

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	3.2	1.3	2.2	3.3	1.6	3.5	-1.2	.4	-.05
01:00	3.1	.6	1.6	3.3	1.0	3.5	1.0	3.8	.01
02:00	3.7	.7	1.8	4.0	1.1	4.2	2.5	3.6	.03
03:00	5.6	1.3	3.8	5.8	1.6	6.1	.3	1.4	-.03
04:00	4.8	1.6	3.6	5.3	2.0	5.7	-.3	-1.0	-.07
05:00	6.9	3.0	4.9	7.2	3.2	7.3	-1.9	-1.0	-.14
06:00	5.7	1.6	3.0	5.9	2.0	5.5	2.2	4.0	.05
07:00	4.9	3.4	4.7	5.6	3.7	5.7	.6	2.0	.01
08:00	4.2	3.0	3.7	4.3	3.4	4.5	1.2	.8	.05
09:00	2.4	2.2	2.7	2.5	2.6	2.8	1.7	-.7	.05
10:00	2.4	2.5	2.8	3.2	2.9	3.7	.3	2.3	-.10
11:00	4.4	3.6	4.5	5.0	4.2	5.7	-1.3	-1.7	-.36
12:00	5.6	4.4	5.9	6.9	5.0	7.7	-2.6	-.3	-.55
13:00	5.1	5.1	6.4	7.0	5.7	7.8	-3.4	.1	-.51
14:00	6.2	5.7	6.9	7.6	6.4	8.4	.6	-3.5	-.29
15:00	6.3	5.4	6.4	7.3	6.1	8.0	-.8	.3	-.25
16:00	7.3	5.7	7.0	7.8	6.3	8.4	-5.4	-4.1	-.70
17:00	5.7	4.4	5.5	6.2	5.0	6.6	.0	2.4	-.20
18:00	5.9	3.1	4.8	6.1	3.3	6.2	-1.7	-2.4	-.21
19:00	6.2	2.4	4.4	6.3	2.5	6.1	-2.9	-3.3	-.19
20:00	.4	.7	1.4	1.1	1.1	1.5	3.4	-.9	.07
21:00	1.5	.6	1.4	2.3	1.0	2.5	1.4	.8	.03
22:00	1.7 P	.7 P	.9 P	1.7 P	1.1 P	2.0 P	2.5 P	.8 P	.04 P
23:00	.4	.4	1.0	.6	.8	1.0	1.5	-2.1	.02
Avg	.0	2.6	3.8	4.8	3.1	5.2	-.1	.1	-.14
Max	7.3	5.7	7.0	7.8	6.4	8.4	3.4	4.0	.07
Hr. of Max	16	16	16	16	14	16	20	06	20
Min	.4	.4	.9	.6	.8	1.0	-5.4	-4.1	-.70
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/22/2016

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	3.2	5.5	7.6	8.9	6.2	10.8	11.0
01:00	.21	3.0	6.4	8.0	15.3	11.7	9.6	10.3
02:00	.25	3.4	5.5	8.0	17.3	9.6	9.0	9.9
03:00	.10	5.5	8.9	13.5	15.7	7.1	9.5	9.9
04:00	.00	4.8	8.2	15.1	16.7	15.3	8.8	9.5
05:00	-.16	8.2	11.2	15.8	11.0	6.1	8.6	9.1
06:00	.33	5.5	7.8	12.1	14.0	6.8	6.1	8.1
07:00	.17	5.5	10.3	14.9	6.1	5.1	5.3	6.9
08:00	.06	6.6	7.1	10.8	7.3	3.2	5.8	6.3
09:00	-.01	6.9	8.2	9.2	16.6	15.1	7.4	7.3
10:00	.04	7.8	8.0	8.5	27.2	25.5	10.4	9.6
11:00	-.49	15.3	16.3	15.8	26.5	24.0	11.3	10.5
12:00	-.38	14.4	15.3	19.0	26.6	23.1	12.6	11.6
13:00	-.30	16.3	17.2	19.9	24.2	23.0	13.4	12.6
14:00	-.85	15.1	17.2	16.7	24.6	23.0	14.4	13.5
15:00	-.24	22.7	21.5	19.0	21.7	22.1	15.2	14.3
16:00	-1.01	18.1	18.3	20.4	19.7	18.6	15.7	14.8
17:00	-.25	14.4	16.0	18.5	20.2	21.3	15.7	15.0
18:00	-.46	9.8	11.4	12.8	16.2	11.9	14.8	14.5
19:00	-.47	6.6	11.9	16.9	13.5	8.3	13.7	13.8
20:00	.00	3.4	5.3	6.0	18.0	24.1	11.1	12.9
21:00	.05	2.3	2.7	6.4	9.5	6.0	9.5	11.6
22:00	.03 P	<	<	<	<	<	7.9 P	10.3 P
23:00	-.03	2.5	2.5	2.3	8.3	9.8	6.9	8.6
Avg	-.14	8.8	10.6	12.9	16.7	14.2	10.6	10.9
Max	.33	22.7	21.5	20.4	27.2	25.5	15.7	15.0
Hr. of Max	06	15	15	16	10	10	17	17
Min	-1.01	2.3	2.5	2.3	6.1	3.2	5.3	6.3
Count	24	23	23	23	23	23	24	24
Total								