Date Printed: 10/08/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/7/2016

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	13.6	15.9	17.2	18.5	2.25	3.57	4.91	1.32	2.66
01:00	13.4	15.5	16.5	17.9	2.10	3.09	4.49	.98	2.39
02:00	13.2	15.3	15.8	16.9	2.08	2.54	3.65	.47	1.57
03:00	12.4	14.4	15.2	16.1	2.00	2.82	3.66	.82	1.66
04:00	11.5	13.7	14.2	15.5	2.19	2.71	3.98	.52	1.79
05:00	10.9	12.6	13.5	14.6	1.78	2.64	3.74	.86	1.96
06:00	10.9	12.5	13.1	14.2	1.64	2.20	3.28	.56	1.64
07:00	11.2	12.7	13.3	14.0	1.44	2.06	2.79	.62	1.35
08:00	12.9	13.7	13.9	14.4	.76	.96	1.54	.21	.79
09:00	17.7	17.2	17.0	16.9	-.50	-.70	-.76	-.21	-.27
10:00	20.6	19.7	19.2	19.0	-.94	-1.39	-1.60	-.44	-.66
11:00	23.1	22.1	21.6	21.4	-1.06	-1.49	-1.74	-.43	-.68
12:00	25.1	23.9	23.6	23.4	-1.17	-1.55	-1.72	-.38	-.55
13:00	27.2	26.0	25.5	25.3	-1.23	-1.71	-1.95	-.48	-.72
14:00	28.3	27.1	26.7	26.5	-1.25	-1.65	-1.81	-.40	-.56
15:00	29.2	28.1	27.7	27.5	-1.11	-1.50	-1.72	-.39	-.61
16:00	29.3	28.4	28.0	27.8	-.98	-1.39	-1.57	-.40	-.58
17:00	29.2	28.6	28.3	28.2	-.59	-.88	-1.04	-.29	-.46
18:00	27.2	27.9	27.8	27.7	.68	.59	.55	-.09	-.14
19:00	24.9	25.5	25.4	25.3	.51	.42	.38	-.09	-.13
20:00	22.8	23.7	23.7	23.9	.90	.97	1.11	.07	.21
21:00	21.8	22.7	22.8	22.9	.92	1.05	1.14	.13	.22
22:00	21.3	22.3	22.4	22.6	1.03	1.12	1.30	.09	.27
23:00	20.8	22.2	22.3	22.4	1.37	1.49	1.61	.12	.24
Avg	19.9	20.5	20.6	21.0	.53	.67	1.01	.13	.47
Max	29.3	28.6	28.3	28.2	2.25	3.57	4.91	1.32	2.66
Hr. of Max	16	17	17	17	00	00	00	00	00
Min	10.9	12.5	13.1	14.0	-1.25	-1.71	-1.95	-.48	-.72
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/7/2016

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	9.6	10.2	10.9	22.2	77.9	70.4	9.1	9.4	0.007656
01:00	9.9	10.6	11.0	22.0	80.1	73.4	9.2	9.6	0.00778
02:00	10.2	10.7	11.2	21.7	82.9	75.4	9.4	9.7	0.007949
03:00	10.0	10.8	10.8	21.5	86.5	80.0	9.4	9.8	0.007869
04:00	9.6	10.9	10.2	21.3	89.2	84.3	9.1	9.9	0.007645
05:00	9.2	10.9	9.8	21.1	90.8	90.6	8.9	9.9	0.00744
06:00	9.5	11.0	9.9	20.8	91.9	91.6	9.0	10.0	0.007555
07:00	9.9	11.1	10.3	20.6	92.9	91.7	9.3	10.1	0.007795
08:00	10.7	11.0	11.4	20.4	87.9	85.0	9.8	9.9	0.008241
09:00	12.8	12.2	14.4	20.3	74.8	74.1	11.1	10.7	0.009509
10:00	13.3	13.0	15.8	20.2	64.2	66.6	11.4	11.1	0.009834
11:00	13.4	13.2	16.7	20.3	55.6	58.2	11.3	11.2	0.009922
12:00	13.0	12.7	17.1	20.5	48.3	50.7	11.0	10.8	0.009709
13:00	11.2	11.1	16.6	20.9	37.9	40.3	9.8	9.7	0.008664
14:00	11.3	11.5	16.9	21.5	35.7	38.8	9.8	9.9	0.008694
15:00	11.5	11.6	17.4	22.0	34.3	36.8	9.9	10.0	0.00883
16:00	11.4	11.3	17.4	22.4	34.0	35.6	9.8	9.8	0.0088
17:00	10.4	10.3	16.7	22.7	32.1	32.9	9.2	9.2	0.008253
18:00	12.2	12.2	17.2	22.9	40.9	39.3	10.4	10.4	0.009287
19:00	16.1	16.2	19.0	23.0	59.3	58.1	13.4	13.5	0.01184
20:00	16.6	16.9	18.7	23.1	69.7	67.2	13.9	14.1	0.012237
21:00	16.8	17.3	18.4	23.0	74.8	73.0	14.1	14.5	0.012357
22:00	17.1	17.4	18.5	22.9	78.6	75.7	14.4	14.7	0.012576
23:00	17.0	17.5	18.2	22.8	80.4	76.6	14.3	14.7	0.012501
Avg	12.2	12.6	14.8	21.7	66.7	65.3	10.7	10.9	0.009289
Max	17.1	17.5	19.0	23.1	92.9	91.7	14.4	14.7	0.012576
Hr. of Max	22	23	19	20	07	07	22	23	22
Min	9.2	10.2	9.8	20.2	32.1	32.9	8.9	9.2	0.00744
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)

10/7/2016

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	0.007993	12.0	12.5	.00	29.17	987.8	-2.7	.00	69.6
01:00	0.008178	12.2	12.8	.00	29.16	987.4	-2.1	.00	76.2
02:00	0.008265	12.5	12.9	.00	29.15	987.3	-2.4	.00	67.9
03:00	0.008289	12.3	13.0	.00	29.15	987.3	-1.9	.00	55.0
04:00	0.008346	12.0	13.1	.00	29.16	987.4	-2.7	.00	62.7
05:00	0.008349	11.7	13.1	.00	29.17	987.9	-1.4	.00	297.4
06:00	0.008391	11.9	13.2	.00	29.19	988.5	-1.6	.00	35.5
07:00	0.008468	12.2	13.3	.00	29.19	988.7	1.7	.00	62.8
08:00	0.008364	12.9	13.1	.00	29.20	989.0	137.8	.20	46.4
09:00	0.009137	14.9	14.3	.00	29.21	989.1	354.7	.51	85.5
10:00	0.009621	15.4	15.1	.00	29.20	988.8	549.1	.79	83.9
11:00	0.00975	15.5	15.2	.00	29.18	988.0	688.7	.99	86.4
12:00	0.009505	15.2	14.9	.00	29.15	987.2	771.7	1.11	81.0
13:00	0.008554	13.5	13.4	.00	29.12	986.3	801.7	1.15	78.3
14:00	0.008795	13.6	13.7	.00	29.10	985.5	770.4	1.10	339.6
15:00	0.008886	13.8	13.9	.00	29.08	984.7	671.3	.96	43.9
16:00	0.008713	13.7	13.6	.00	29.06	984.3	512.1	.73	92.2
17:00	0.008177	12.9	12.8	.00	29.06	984.0	309.3	.44	73.6
18:00	0.00931	14.5	14.5	.00	29.06	984.2	73.3	.11	41.6
19:00	0.011973	18.4	18.6	.00	29.07	984.4	.2	.00	78.9
20:00	0.012454	19.0	19.3	.00	29.07	984.5	-2.4	.00	45.9
21:00	0.012752	19.2	19.8	.00	29.08	985.0	-2.3	.00	31.1
22:00	0.01289	19.5	20.0	.00	29.10	985.3	-2.2	.00	50.8
23:00	0.012939	19.4	20.1	.00	29.09	985.0	-2.3	.00	42.8
Avg	0.009504	14.5	14.8	.00	29.13	986.6	234.1	.34	58.0
Max	0.012939	19.5	20.1	.00	29.21	989.1	801.7	1.15	339.6
Hr. of Max	23	22	23	23	09	09	13	13	14
Min	0.007993	11.7	12.5	.00	29.06	984.0	-2.7	.00	31.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/7/2016

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	53.3	57.3	69.0	45.9	25.2	12.8	2.8	1.2	3.1
01:00	57.5	62.8	79.6	51.8	19.8	7.1	4.5	1.9	3.5
02:00	54.4	62.8	70.1	51.5	12.4	9.5	3.4	1.8	2.6
03:00	52.3	63.8	60.4	52.1	34.8	15.3	5.4	.9	2.4
04:00	66.5	61.9	59.2	50.4	30.5	17.2	5.7	.6	1.4
05:00	74.8	58.4	291.2	39.7	41.7	45.4	10.4	.6	.3
06:00	56.2	55.2	44.3	41.8	30.0	14.6	5.9	1.1	2.4
07:00	59.7	59.2	67.5	48.0	49.7	12.0	3.7	1.2	3.6
08:00	58.1	64.2	70.0	52.7	33.0	13.7	6.6	.7	2.1
09:00	72.6	67.1	88.8	56.4	23.7	20.1	14.1	3.8	4.8
10:00	76.6	72.1	84.5	61.0	22.1	19.8	16.5	5.2	6.0
11:00	75.9	70.5	89.0	59.3	23.1	22.0	17.5	5.1	5.7
12:00	71.7	66.9	83.5	54.9	32.5	26.5	22.2	3.4	3.7
13:00	60.8	51.5	79.0	38.7	53.5	44.4	32.9	3.3	4.2
14:00	348.1	352.5	338.5	337.6	60.1	48.5	43.3	2.1	3.3
15:00	34.2	32.2	41.6	19.0	53.8	48.4	37.3	2.7	3.3
16:00	89.2	87.5	92.9	75.9	20.3	18.0	15.8	6.0	7.4
17:00	73.7	70.4	75.6	59.1	27.3	21.9	17.8	4.5	5.9
18:00	51.9	53.7	47.0	40.8	30.4	18.0	14.2	2.5	5.1
19:00	83.6	82.4	80.8	71.1	21.6	14.0	10.7	4.3	6.8
20:00	50.7	54.7	47.0	42.9	15.8	11.3	7.4	2.3	4.8
21:00	35.7	41.0	33.2	27.7	28.3	10.9	8.4	1.7	5.1
22:00	44.8	44.5	57.1	31.4	26.0	15.0	9.5	1.3	3.3
23:00	34.7	42.2	45.9	28.6	26.6	13.4	8.9	1.2	3.5
Avg	57.0	57.0	62.0	45.0	30.9	20.8	13.5	.0	.0
Max	348.1	352.5	338.5	337.6	60.1	48.5	43.3	6.0	7.4
Hr. of Max	14	14	14	14	14	14	14	16	16
Min	34.2	32.2	33.2	19.0	12.4	7.1	2.8	.6	.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/7/2016

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	5.7	1.3	3.2	5.7	1.5	5.9	2.8	.2	.07
01:00	6.4	2.0	3.6	6.4	2.1	6.6	1.6	-.1	.04
02:00	5.1	1.9	2.6	5.1	2.0	5.3	1.9	-.2	.06
03:00	3.4	1.1	2.5	3.5	1.3	3.7	2.0	1.1	.04
04:00	3.9	.8	1.5	3.9	1.1	4.1	.6	1.7	.02
05:00	1.3	.7	.3	1.4	1.0	1.7	1.3	1.0	.02
06:00	3.6	1.4	2.5	3.7	1.6	3.9	1.9	1.2	.04
07:00	6.0	1.7	3.7	6.0	1.8	6.3	.0	.1	-.03
08:00	4.7	.9	2.2	4.8	1.2	5.0	2.2	-.7	.03
09:00	6.6	4.1	5.1	6.8	4.7	7.3	3.4	3.7	.13
10:00	6.8	5.5	6.3	7.1	6.1	7.6	1.1	4.0	-.01
11:00	6.6	5.4	6.1	7.0	6.1	7.5	2.1	4.6	.10
12:00	4.0	4.6	5.1	5.2	5.1	5.7	-3.5	-3.6	-.33
13:00	4.7	4.3	5.0	5.3	5.1	6.0	1.5	2.7	.03
14:00	3.8	4.1	4.6	4.6	4.7	5.4	-4.3	-6.1	-.55
15:00	3.8	4.1	4.7	5.2	4.6	5.9	-2.9	-2.2	-.39
16:00	8.4	6.3	7.7	8.7	6.9	9.2	-.8	.2	-.18
17:00	7.4	4.9	6.4	7.8	5.5	8.3	1.9	2.5	.10
18:00	6.5	3.1	5.7	7.2	3.5	7.5	-1.6	2.0	-.18
19:00	8.3	4.6	7.0	8.5	5.1	8.8	.7	2.0	.00
20:00	6.8	2.5	5.0	6.9	2.7	7.2	-4.9	-.3	-.29
21:00	7.0	2.0	5.4	7.3	2.4	7.7	-.8	.9	-.16
22:00	5.2	1.4	3.5	5.4	1.6	5.6	-.3	1.6	-.04
23:00	5.1	1.3	3.6	5.2	1.5	5.5	-1.3	1.1	-.08
Avg	.0	2.9	4.3	5.8	3.3	6.2	.2	.7	-.07
Max	8.4	6.3	7.7	8.7	6.9	9.2	3.4	4.6	.13
Hr. of Max	16	16	16	16	16	16	09	11	09
Min	1.3	.7	.3	1.4	1.0	1.7	-4.9	-6.1	-.55
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/7/2016

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	2.7	5.3	8.0	7.9	2.0	16.4	18.9
01:00	-.02	4.4	9.2	13.5	5.7	2.1	16.2	18.3
02:00	-.02	3.4	4.1	9.8	5.9	1.7	15.9	17.3
03:00	.07	6.0	6.2	10.8	7.4	2.6	15.1	16.6
04:00	.14	2.1	3.7	6.6	10.4	2.5	14.4	16.1
05:00	.03	3.0	3.4	6.4	5.9	4.6	13.3	15.2
06:00	.09	3.4	4.8	6.0	7.6	3.3	13.2	14.8
07:00	-.01	4.6	7.1	9.2	10.5	2.8	13.4	14.6
08:00	-.07	3.0	5.5	12.1	14.8	4.6	14.5	15.0
09:00	.30	11.0	11.2	13.5	18.1	13.7	18.1	17.4
10:00	.39	13.7	18.3	19.0	16.8	16.2	20.6	19.6
11:00	.41	11.9	12.1	12.6	17.7	16.9	22.9	21.9
12:00	-.42	12.6	13.5	15.3	19.1	20.6	24.7	23.8
13:00	.24	11.2	12.6	12.6	24.4	24.3	26.6	25.5
14:00	-.65	12.1	16.9	19.9	23.6	27.9	27.6	26.7
15:00	-.43	11.9	13.1	14.0	26.5	25.0	28.7	27.7
16:00	.01	14.0	14.0	17.6	13.7	13.0	28.9	27.9
17:00	.21	11.7	13.1	14.2	18.0	12.6	29.2	28.3
18:00	.15	9.8	13.1	14.0	18.4	10.4	28.5	28.0
19:00	.21	14.4	15.6	18.1	15.1	8.3	26.4	26.0
20:00	-.07	6.4	9.2	11.0	11.6	5.8	24.8	24.7
21:00	.10	6.0	10.1	11.2	20.1	6.1	23.9	23.8
22:00	.13	4.4	10.5	10.8	15.5	5.9	23.5	23.5
23:00	.08	3.0	6.6	8.7	17.4	5.8	23.4	23.3
Avg	.04	7.8	10.0	12.3	14.7	9.9	21.3	21.5
Max	.41	14.4	18.3	19.9	26.5	27.9	29.2	28.3
Hr. of Max	11	19	10	14	15	14	17	17
Min	-.65	2.1	3.4	6.0	5.7	1.7	13.2	14.6
Count	24	24	24	24	24	24	24	24
Total								