Date Printed: 11/02/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/1/2016

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	15.3	17.0	17.5	19.0	1.76	2.27	3.68	.51	1.92
01:00	14.7	16.4	17.0	18.5	1.70	2.33	3.80	.63	2.11
02:00	13.9	15.7	16.1	17.4	1.80	2.18	3.54	.38	1.74
03:00	13.5	15.0	15.5	16.5	1.54	1.96	2.96	.42	1.42
04:00	13.2	14.7	15.1	16.2	1.54	1.90	3.05	.35	1.51
05:00	12.6	14.2	14.5	15.5	1.64	1.97	2.95	.32	1.31
06:00	12.4	13.9	14.2	15.6	1.54	1.85	3.21	.31	1.66
07:00	11.7	13.3	13.8	14.5	1.65	2.09	2.82	.44	1.17
08:00	12.0	13.1	13.7	14.8	1.10	1.68	2.75	.58	1.65
09:00	15.1	14.9	14.9	15.7	-.13	-.13	.63	.01	.77
10:00	19.6	19.1	18.9	19.1	-.50	-.61	-.42	-.12	.08
11:00	23.2	22.2	21.9	21.9	-.94	-1.23	-1.30	-.29	-.36
12:00	25.6	24.6	24.2	24.0	-1.00	-1.42	-1.56	-.42	-.55
13:00	27.4	26.3	25.9	25.7	-1.11	-1.49	-1.62	-.38	-.51
14:00	28.4	27.3	26.9	26.8	-1.16	-1.54	-1.66	-.37	-.50
15:00	28.6	27.8	27.5	27.3	-.83	-1.17	-1.31	-.33	-.48
16:00	28.9	28.2	27.9	27.7	-.67	-1.00	-1.16	-.33	-.49
17:00	28.3	28.1	27.9	27.8	-.24	-.46	-.57	-.23	-.33
18:00	25.3	26.7	26.7	26.8	1.39	1.40	1.54	.01	.15
19:00	21.0	23.9	25.0	25.5	2.93	3.99	4.45	1.06	1.52
20:00	18.7	22.5	23.6	24.3	3.73	4.89	5.60	1.17	1.87
21:00	18.8	23.1	23.3	23.5	4.34	4.58	4.77	.24	.43
22:00	18.9	22.2	22.7	22.8	3.33	3.74	3.89	.41	.55
23:00	16.8	19.9	21.2	22.0	3.15	4.39	5.22	1.24	2.07
Avg	19.3	20.4	20.7	21.2	1.11	1.34	1.89	.23	.78
Max	28.9	28.2	27.9	27.8	4.34	4.89	5.60	1.24	2.11
Hr. of Max	16	16	17	17	21	20	20	23	01
Min	11.7	13.1	13.7	14.5	-1.16	-1.54	-1.66	-.42	-.55
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/1/2016

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	12.3	13.3	13.3	19.4	84.0	80.1	10.8	11.5	0.009193
01:00	12.2	13.0	13.0	19.3	86.6	81.9	10.7	11.3	0.009112
02:00	11.8	12.9	12.5	19.1	88.7	84.9	10.5	11.2	0.008863
03:00	11.7	12.9	12.3	19.0	90.1	88.1	10.4	11.2	0.008784
04:00	11.5	12.5	12.1	18.9	91.0	88.2	10.3	11.0	0.008682
05:00	11.1	12.4	11.6	18.7	91.7	90.2	10.0	10.9	0.008413
06:00	11.1	12.3	11.5	18.6	92.9	91.2	10.0	10.8	0.008406
07:00	10.4	12.1	10.9	18.4	93.2	93.7	9.6	10.7	0.008055
08:00	10.5	11.7	11.0	18.3	91.7	92.5	9.7	10.4	0.00809
09:00	11.9	11.4	13.0	18.2	82.9	80.7	10.5	10.2	0.008905
10:00	12.6	11.9	14.9	18.1	65.7	64.7	10.9	10.4	0.009324
11:00	11.5	11.1	15.4	18.1	48.7	50.3	10.0	9.8	0.008675
12:00	11.0	10.7	15.9	18.2	41.1	42.7	9.7	9.5	0.008472
13:00	10.5	10.4	16.1	18.4	35.8	37.9	9.3	9.3	0.008204
14:00	9.8	9.8	16.0	18.7	32.1	34.4	8.9	8.9	0.007848
15:00	9.7	9.6	16.0	19.0	31.5	32.8	8.8	8.7	0.007793
16:00	9.1	9.0	15.7	19.4	29.9	30.8	8.5	8.4	0.007522
17:00	8.7	8.5	15.2	19.7	30.0	30.0	8.2	8.1	0.007292
18:00	9.4	9.0	14.7	19.9	37.9	33.6	8.7	8.4	0.007625
19:00	10.0	9.5	13.7	20.0	50.4	41.0	9.1	8.8	0.007888
20:00	9.9	9.8	12.9	20.0	57.4	45.5	9.1	9.0	0.007807
21:00	10.4	9.5	13.2	19.9	59.2	42.9	9.4	8.8	0.008041
22:00	10.2	10.0	13.1	19.8	58.1	46.6	9.3	9.1	0.007952
23:00	10.4	10.3	12.5	19.7	67.0	55.0	9.5	9.3	0.008028
Avg	10.7	11.0	13.6	19.0	64.1	60.8	9.7	9.8	0.008291
Max	12.6	13.3	16.1	20.0	93.2	93.7	10.9	11.5	0.009324
Hr. of Max	10	00	13	20	07	07	10	00	10
Min	8.7	8.5	10.9	18.1	29.9	30.0	8.2	8.1	0.007292
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)

11/1/2016

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	0.009816	14.4	15.4	.00	29.18	988.3	-2.5	.00	86.6
01:00	0.009611	14.3	15.0	.00	29.19	988.6	-2.3	.00	83.2
02:00	0.009522	13.9	14.9	.00	29.20	989.0	-2.2	.00	88.1
03:00	0.00949	13.8	14.9	.00	29.22	989.5	-2.5	.00	84.9
04:00	0.009297	13.6	14.6	.00	29.22	989.7	-2.4	.00	84.2
05:00	0.009202	13.2	14.4	.00	29.23	989.9	-2.1	.00	86.2
06:00	0.009122	13.2	14.3	.00	29.25	990.6	-1.9	.00	84.3
07:00	0.009028	12.7	14.2	.00	29.27	991.1	-1.7	.00	81.0
08:00	0.008771	12.7	13.8	.00	29.29	991.9	56.3	.08	90.8
09:00	0.008595	14.0	13.5	.00	29.32	992.8	213.0	.31	123.6
10:00	0.008919	14.7	14.0	.00	29.32	993.0	395.4	.57	164.6
11:00	0.00846	13.7	13.3	.00	29.32	993.0	534.9	.77	210.4
12:00	0.008281	13.3	13.0	.00	29.31	992.5	604.2	.87	224.9
13:00	0.008138	12.9	12.8	.00	29.28	991.6	631.6	.91	223.1
14:00	0.007844	12.3	12.3	.00	29.25	990.7	579.8	.83	223.8
15:00	0.007716	12.3	12.1	.00	29.24	990.1	423.5	.61	209.8
16:00	0.007437	11.8	11.7	.00	29.23	989.8	365.2	.52	208.8
17:00	0.007191	11.5	11.3	.00	29.23	989.7	183.8	.26	211.5
18:00	0.007398	12.0	11.6	.00	29.24	990.1	21.7	.03	226.7
19:00	0.007656	12.4	12.0	.00	29.26	990.8	-3.4	.00	60.7
20:00	0.007791	12.3	12.3	.00	29.27	991.3	-2.6	.00	108.2
21:00	0.007626	12.7	12.0	.00	29.29	991.8	-3.0	.00	240.6
22:00	0.007854	12.5	12.4	.00	29.31	992.5	-2.6	.00	247.9
23:00	0.008021	12.7	12.6	.00	29.32	992.9	-2.3	.00	119.3
Avg	0.008449	13.0	13.3	.00	29.26	990.9	165.7	.24	143.0
Max	0.009816	14.7	15.4	.00	29.32	993.0	631.6	.91	247.9
Hr. of Max	00	10	00	23	23	11	13	13	22
Min	0.007191	11.5	11.3	.00	29.18	988.3	-3.4	.00	60.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/1/2016

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	167.1	63.9	34.6	55.5	12.3	21.7	15.6	.3	.2
01:00	59.0	60.5	76.9	51.4	6.0	15.3	17.8	.7	1.4
02:00	84.2	58.8	29.1	48.1	19.1	18.7	9.5	.1	1.1
03:00	62.9	61.6	64.7	52.6	32.5	19.0	5.5	.6	1.3
04:00	67.0	54.1	76.3	44.4	8.9	8.6	5.7	.9	1.8
05:00	49.6	44.3	70.8	33.5	7.3	16.2	6.6	.4	1.2
06:00	66.2	42.6	63.6	31.5	6.9	8.2	11.8	.4	2.2
07:00	60.2	79.7	306.4	69.4	19.7	16.1	16.5	.1	1.0
08:00	58.0	40.4	79.1	28.6	3.8	9.1	6.2	.3	1.7
09:00	62.8	33.8	155.3	24.1	16.4	45.2	19.2	.3	.3
10:00	220.0	224.9	184.5 +	219.9	27.2	29.9	21.5	1.2	1.2
11:00	226.3	228.7	216.1	223.4	32.0	21.6	21.7	3.1	4.0
12:00	227.7	222.4	226.8	218.0	40.0	31.1	26.8	3.9	5.2
13:00	230.7	230.0	223.8	225.0	39.4	28.1	23.6	4.5	6.0
14:00	231.4	228.0	224.9	223.6	30.4	22.1	19.6	5.9	7.7
15:00	216.4	216.9	210.3	212.3	34.3	28.8	23.2	5.0	6.7
16:00	219.6	218.0	210.5	213.4	30.0	24.1	22.0	5.8	7.7
17:00	220.5	216.8	212.0	212.1	25.3	20.0	17.3	5.4	7.5
18:00	230.3	220.9	233.1	216.6	18.9	11.7	9.4	2.3	4.3
19:00	226.0	201.4	.7	196.7	23.8	14.4	7.1	.3	1.1
20:00	215.0	198.7	260.4	194.2	30.7	21.4	7.2	.4	2.4
21:00	222.1	203.5	243.9	198.5	19.9	12.9	10.8	2.7	4.6
22:00	247.0	228.9	249.2	224.0	22.4	13.0	11.9	2.6	4.5
23:00	238.6	256.9	246.6	251.8	22.6	14.5	7.4	.2	1.8
Avg	196.0	192.0	211.0	198.0	22.1	19.7	14.3	.0	.0
Max	247.0	256.9	306.4	251.8	40.0	45.2	26.8	5.9	7.7
Hr. of Max	22	23	07	23	12	09	12	14	16
Min	49.6	33.8	.7	24.1	3.8	8.2	5.5	.1	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/1/2016

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	1.1	.4	.6	1.2	.7	1.5	4.1	-.1	.05
01:00	2.3	.7	1.5	2.4	.9	2.7	3.1	.1	.05
02:00	1.8	.6	1.1	1.8	.9	2.1	2.3	-.1	.04
03:00	2.9	.8	1.3	2.9	1.0	3.1	.9	.8	.01
04:00	3.3	.9	1.9	3.4	1.1	3.6	1.8	.7	.03
05:00	3.1	.4	1.2	3.2	.7	3.4	1.8	.9	.03
06:00	2.4	.4	2.3	2.6	.7	2.8	1.4	2.2	.01
07:00	1.3	.1	1.1	1.4	.6	1.7	3.2	.3	.04
08:00	2.7	.3	1.7	2.7	.6	2.9	3.3	1.1	.05
09:00	1.3	.4	.9	1.3	1.0	1.6	4.9	1.8	.12
10:00	1.7	1.3	1.4	1.9	1.9	2.1	-6.8	-4.1	-.16
11:00	4.3	3.6	4.3	4.6	4.1	5.1	-.2	-5.9	-.07
12:00	6.3	4.5	5.7	6.7	5.1	7.4	2.7	.4	.07
13:00	7.2	5.3	6.7	7.9	6.0	8.5	2.3	1.7	.01
14:00	8.9	6.5	8.2	9.3	7.1	10.1	.6	-3.1	-.18
15:00	8.0	5.9	7.5	8.7	6.7	9.3	1.9	-1.6	.04
16:00	9.3	6.5	8.3	9.7	7.2	10.5	.9	.3	-.19
17:00	9.3	5.9	8.0	9.8	6.5	10.4	1.5	1.3	-.03
18:00	6.2	2.5	4.4	6.4	2.9	6.7	.2	.3	-.02
19:00	4.2	.3	1.1	4.3	.6	4.5	2.8	.1	.04
20:00	6.1	.6	2.5	6.2	1.2	6.4	1.5	.1	.03
21:00	6.2	2.9	4.8	6.3	3.3	6.6	-1.3	-2.4	-.13
22:00	5.8	2.8	4.7	6.1	3.2	6.5	-.3	-1.5	-.09
23:00	4.4	.3	2.0	4.5	.8	4.7	2.3	1.5	.04
Avg	.0	2.2	3.5	4.8	2.7	5.2	1.5	-.2	-.01
Max	9.3	6.5	8.3	9.8	7.2	10.5	4.9	2.2	.12
Hr. of Max	17	16	16	17	16	16	09	06	09
Min	1.1	.1	.6	1.2	.6	1.5	-6.8	-5.9	-.19
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/1/2016

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	.00	2.1	2.1	2.7	7.8	12.4	17.9	19.7
01:00	.01	2.5	3.2	4.4	9.7	9.6	17.2	19.2
02:00	-.01	2.3	3.0	5.3	7.3	7.3	16.5	18.2
03:00	.05	2.3	2.5	5.0	7.4	3.8	15.9	17.2
04:00	.04	1.6	3.2	9.6	8.5	2.8	15.6	16.9
05:00	.05	1.8	4.6	6.2	8.5	3.9	15.0	16.2
06:00	.10	3.4	5.3	5.5	10.3	5.6	14.7	16.2
07:00	.02	1.4	2.7	6.9	7.7	4.9	14.1	15.1
08:00	.06	1.4	5.5	5.3	8.2	2.9	13.9	15.4
09:00	.04	2.3	3.9	3.7	22.6	12.4	15.8	16.5
10:00	-.18	4.4	4.4	6.0	23.5	15.9	19.8	19.4
11:00	-.59	8.9	9.2	9.4	20.4	18.6	22.7	21.9
12:00	-.12	14.9	16.9	18.3	24.4	21.0	25.0	24.0
13:00	.05	14.2	14.9	17.4	19.7	17.3	26.5	25.6
14:00	-.65	15.6	17.2	17.6	19.4	13.2	27.5	26.5
15:00	-.42	16.9	15.3	15.8	17.5	14.7	28.0	27.2
16:00	-.33	18.5	24.3	24.7	18.6	15.5	28.4	27.6
17:00	.02	14.4	17.4	19.0	16.3	12.6	28.3	27.7
18:00	.00	15.8	18.1	15.1	11.1	6.5	27.1	26.9
19:00	-.01	1.8	6.2	9.2	11.7	5.6	24.2	25.6
20:00	-.02	3.2	6.9	10.8	12.1	5.1	22.8	24.5
21:00	-.33	6.6	10.5	10.8	11.3	8.0	23.6	23.7
22:00	-.21	7.6	15.1	13.5	10.1	7.5	22.8	23.1
23:00	.12	4.1	6.9	9.2	10.4	4.8	20.4	22.3
Avg	-.10	7.0	9.1	10.5	13.5	9.7	21.0	21.5
Max	.12	18.5	24.3	24.7	24.4	21.0	28.4	27.7
Hr. of Max	23	16	16	16	12	12	16	17
Min	-.65	1.4	2.1	2.7	7.3	2.8	13.9	15.1
Count	24	24	24	24	24	24	24	24
Total								