Date Printed: 11/28/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/27/2016

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	-2.5	-.3	.5	1.6	2.17	3.00	4.06	.83	1.89
01:00	-2.5	-.8	-.2	.6	1.70	2.24	3.10	.54	1.41
02:00	-3.2	-1.1	-.7	.1	2.07	2.54	3.29	.46	1.22
03:00	-3.8	-2.1	-1.5	-.3	1.66	2.27	3.44	.61	1.79
04:00	-3.7	-2.0	-1.7	-1.2	1.75	2.06	2.57	.31	.82
05:00	-4.1	-2.1	-1.7	-1.2	1.98	2.36	2.89	.38	.91
06:00	-4.4	-2.7	-2.0	-1.7	1.69	2.46	2.77	.78	1.08
07:00	-3.8	-2.9	-2.5	-2.2	.86	1.27	1.55	.41	.69
08:00	-2.2	-2.1	-2.0	-1.9	.12	.20	.34	.08	.23
09:00	.8	.3	-.2	-.2	-.50	-.95	-.99	-.45	-.49
10:00	4.0	3.5	2.5	2.5	-.55	-1.50	-1.50	-.95	-.95
11:00	6.8	6.1	5.8	5.6	-.67	-.97	-1.14	-.30	-.47
12:00	9.0	8.6	8.3	8.1	-.49	-.75	-.91	-.26	-.42
13:00	10.6	10.1	9.8	9.7	-.58	-.84	-.97	-.26	-.39
14:00	11.6	11.0	10.7	10.5	-.61	-.89	-1.03	-.28	-.42
15:00	12.0	11.7	11.4	11.3	-.35	-.62	-.72	-.27	-.37
16:00	11.0	11.2	11.1	11.1	.22	.10	.05	-.12	-.17
17:00	8.2	9.8	10.1	10.5	1.60	1.97	2.30	.38	.71
18:00	5.8	8.1	8.6	9.1	2.31	2.74	3.23	.43	.91
19:00	4.2	6.5	7.2	8.4	2.28	2.99	4.17	.71	1.89
20:00	3.8	5.5	6.3	7.5	1.68	2.53	3.66	.85	1.99
21:00	3.6	5.3	5.8	6.8	1.65	2.15	3.21	.50	1.55
22:00	3.5	4.9	5.6	7.0	1.47	2.10	3.49	.63	2.02
23:00	3.5	5.0	5.7	7.3	1.44	2.16	3.74	.72	2.30
Avg	2.8	3.8	4.0	4.5	.95	1.19	1.69	.24	.74
Max	12.0	11.7	11.4	11.3	2.31	3.00	4.17	.85	2.30
Hr. of Max	15	15	15	15	18	00	19	20	23
Min	-4.4	-2.9	-2.5	-2.2	-.67	-1.50	-1.50	-.95	-.95
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/27/2016

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	-3.9	-2.3	-3.5	10.3	89.9	86.6	3.7	4.1	0.002868
01:00	-3.8	-2.5	-3.4	10.1	91.1	88.7	3.7	4.1	0.002903
02:00	-4.6	-2.7	-4.1	9.9	90.6	89.7	3.5	4.0	0.002729
03:00	-5.2	-3.1	-4.7	9.7	90.1	93.1	3.3	3.9	0.002607
04:00	-5.2	-3.2	-4.7	9.5	90.4	92.0	3.4	3.9	0.002619
05:00	-5.6	-3.4	-5.1	9.3	89.8	91.2	3.2	3.8	0.002534
06:00	-6.1	-4.0	-5.5	9.1	88.8	91.6	3.1	3.6	0.002442
07:00	-5.1	-3.7	-4.6	8.9	91.1	94.7	3.4	3.7	0.002632
08:00	-3.3	-2.9	-2.9	8.8	92.8	94.8	3.8	4.0	0.003022
09:00	-1.0	-1.1	-.4	8.7	88.8	91.5	4.5	4.5	0.00358
10:00	-1.0	-1.2	.7	8.6	70.4	72.5	4.4	4.4	0.003578
11:00	-1.2	-1.7	1.5	8.6	57.5	57.9	4.4	4.2	0.003551
12:00	-1.5	-2.0	2.0	8.7	48.3	47.9	4.2	4.1	0.003485
13:00	-1.9	-2.3	2.3	8.8	42.1	42.4	4.1	4.0	0.003386
14:00	-1.9	-2.3	2.6	9.0	39.7	39.9	4.1	4.0	0.003404
15:00	-2.0	-2.4	2.7	9.3	38.2	37.9	4.1	3.9	0.003377
16:00	-1.4	-2.0	2.7	9.6	42.6	40.2	4.2	4.1	0.003515
17:00	-.8	-1.7	2.2	9.8	53.7	45.3	4.5	4.2	0.003661
18:00	-1.2	-1.2	1.2	9.9	61.4	52.4	4.4	4.3	0.003567
19:00	-1.3	-1.1	.5	10.0	67.8	59.0	4.3	4.4	0.003513
20:00	-1.1	-1.0	.5	9.9	70.9	63.6	4.4	4.4	0.003578
21:00	-.8	-.5	.7	9.9	73.6	66.8	4.5	4.6	0.003664
22:00	-.5	-.4	.8	9.8	75.8	68.8	4.6	4.6	0.003737
23:00	-.2	-.1	1.0	9.8	77.1	70.2	4.7	4.7	0.003821
Avg	-2.5	-2.0	-.7	9.4	71.8	69.9	4.0	4.1	0.003241
Max	-.2	-.1	2.7	10.3	92.8	94.8	4.7	4.7	0.003821
Hr. of Max	23	23	16	00	08	08	23	23	23
Min	-6.1	-4.0	-5.5	8.6	38.2	37.9	3.1	3.6	0.002442
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/27/2016

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	0.003242	4.6	5.2	.00	29.35	994.0	-2.6	.00	64.7
01:00	0.003203	4.6	5.1	.00	29.35	993.9	-2.3	.00	78.7
02:00	0.003151	4.3	5.0	.00	29.35	994.1	-2.3	.00	86.0
03:00	0.003049	4.2	4.9	.00	29.36	994.4	-2.8	.00	115.9
04:00	0.003036	4.2	4.8	.00	29.35	994.1	-2.4	.00	62.3
05:00	0.002982	4.0	4.7	.00	29.36	994.2	-2.2	.00	81.8
06:00	0.002857	3.9	4.5	.00	29.37	994.5	-2.3	.00	191.8
07:00	0.002917	4.2	4.6	.00	29.37	994.7	5.5	.01	265.7
08:00	0.00311	4.8	4.9	.00	29.37	994.5	65.2	.09	55.1
09:00	0.003557	5.7	5.7	.00	29.36	994.4	333.7	.48	82.5
10:00	0.003543	5.7	5.6	.00	29.36	994.2	466.0	.67	68.0
11:00	0.003413	5.6	5.4	.00	29.34	993.6	523.3	.75	114.3
12:00	0.003346	5.5	5.3	.00	29.31	992.5	447.7	.64	127.5
13:00	0.003283	5.4	5.2	.00	29.27	991.3	356.2	.51	213.2
14:00	0.003285	5.4	5.2	.00	29.24	990.4	333.6	.48	202.6
15:00	0.003273	5.3	5.2	.00	29.23	989.9	204.8	.29	232.5
16:00	0.00337	5.6	5.3	.00	29.23	989.8	67.4	.10	332.2
17:00	0.003444	5.8	5.4	.00	29.22	989.6	1.6	.00	72.7
18:00	0.003569	5.6	5.6	.00	29.21	989.1	-2.2	.00	57.9
19:00	0.003588	5.6	5.7	.00	29.20	988.9	-2.4	.00	78.9
20:00	0.003611	5.7	5.7	.00	29.20	988.9	-2.3	.00	91.2
21:00	0.003739	5.8	5.9	.00	29.20	988.8	-2.4	.00	81.3
22:00	0.003766	5.9	5.9	.00	29.19	988.4	-2.0	.00	82.1
23:00	0.003851	6.0	6.1	.00	29.18	988.1	-2.1	.00	67.5
Avg	0.003341	5.1	5.3	.00	29.29	991.9	115.6	.17	89.0
Max	0.003851	6.0	6.1	.00	29.37	994.7	523.3	.75	332.2
Hr. of Max	23	23	23	23	08	07	11	11	16
Min	0.002857	3.9	4.5	.00	29.18	988.1	-2.8	.00	55.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/27/2016

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	61.7	53.9	48.0	44.7	14.8	8.2	3.7	1.0	2.3
01:00	65.4	53.2	66.0	43.8	14.2	13.0	4.5	.7	2.2
02:00	69.9	50.6	45.2	40.3	6.3	9.2	7.8	.1	.8
03:00	48.8	59.4	97.8	50.7	17.7	10.6	8.2	.1	1.1
04:00	63.9	59.9	50.4	50.9	14.2	8.8	3.5	1.3	2.0
05:00	66.5	54.7	73.0	45.3	7.1	4.5	3.8	.8	2.6
06:00	39.9	66.1	257.0	56.9	30.5	14.1	6.1	1.0	1.3
07:00	58.7	66.8	316.7	57.7	40.3	56.5	9.2	.3	1.2
08:00	59.0	67.1	38.6	57.7	15.0	9.9	6.5	1.7	3.1
09:00	75.6	68.5	77.3	60.3	18.9	22.3	20.1	2.9	3.0
10:00	64.7	62.4	64.0	52.8	34.2	29.2	19.6	2.6	3.4
11:00	104.0	86.3	114.9	78.9	28.1	35.0	33.7	2.3	2.3
12:00	163.6	182.2	138.5	181.8	60.0	66.4	68.0	.8	.5
13:00	228.4	234.8	220.2	229.5	47.9	31.6	28.6	2.0	2.4
14:00	225.3	218.0	217.1	212.8	48.8	34.3	28.6	1.6	2.2
15:00	252.1	252.6	237.2	246.9	47.5	34.2	32.0	1.9	2.6
16:00	317.8	317.7	308.8	307.7	35.6	21.5	17.6	1.1	1.8
17:00	331.3	331.8	326.2	320.8	50.1	28.8	15.5	.3	.4
18:00	53.6	69.4	39.0	60.6	27.5	13.9	7.4	.9	1.7
19:00	61.4	59.6	64.8	50.4	24.5	23.5	12.2	.6	1.4
20:00	52.6	57.6	90.2	47.6	14.6	16.5	11.2	.5	1.2
21:00	68.0	59.4	52.3	50.5	9.0	8.1	7.0	.1	1.4
22:00	66.6	42.3	70.6	31.1	27.0	23.0	9.6	.3	.9
23:00	58.0	32.5	52.6	20.6	16.4	14.7	10.3	.8	2.0
Avg	60.0	55.0	59.0	44.0	27.1	22.4	15.6	.0	.0
Max	331.3	331.8	326.2	320.8	60.0	66.4	68.0	2.9	3.4
Hr. of Max	17	17	17	17	12	12	12	09	10
Min	39.9	32.5	38.6	20.6	6.3	4.5	3.5	.1	.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/27/2016

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	3.5	1.0	2.3	3.5	1.3	3.7	2.1	1.3	.05
01:00	4.8	.7	2.3	4.8	1.0	5.0	2.0	1.3	.04
02:00	2.6	.1	.9	2.7	.4	2.9	2.5	-.8	.03
03:00	2.3	.1	1.1	2.3	.7	2.5	2.5	.8	.04
04:00	3.9	1.3	2.0	3.9	1.5	4.1	.1	-.9	-.01
05:00	4.9	.8	2.6	5.0	1.0	5.2	1.5	.3	.02
06:00	2.7	1.0	1.3	2.7	1.5	2.9	2.1	.4	.05
07:00	1.9	.6	1.3	2.0	1.0	2.2	.9	-.6	.01
08:00	4.3	1.8	3.1	4.3	2.0	4.5	-3.7	-3.2	-.20
09:00	3.5	3.1	3.1	3.7	3.5	4.1	6.3	5.9	.34
10:00	4.2	3.1	3.8	4.4	3.6	4.8	1.8	1.8	.06
11:00	2.3	2.7	2.7	2.6	3.2	3.2	2.2	7.1	.10
12:00	.6	1.4	1.3	1.3	2.1	2.0	5.2	10.6	.25
13:00	2.7	2.7	2.7	3.0	3.2	3.6	-1.9	-3.3	-.14
14:00	2.5	2.1	2.5	2.7	2.7	3.2	.9	-8.7	.03
15:00	2.9	2.7	3.2	3.4	3.2	3.8	.1	-3.1	-.04
16:00	2.1	1.4	1.9	2.2	1.7	2.3	-1.3	-.9	-.12
17:00	1.0	.6	1.2	1.6	.9	1.7	.7	3.0	.01
18:00	2.6	1.1	1.8	2.7	1.4	2.9	2.6	1.5	.05
19:00	2.7	.6	1.5	2.8	1.0	3.0	1.1	1.6	.01
20:00	1.6	.5	1.4	1.7	.9	2.0	2.8	.3	.04
21:00	3.1	.1	1.4	3.1	.5	3.3	2.0	.9	.02
22:00	1.9	.4	1.0	1.9	.8	2.2	1.9	-.3	.02
23:00	2.1	.8	2.1	2.1	1.1	2.4	2.9	1.4	.05
Avg	.0	1.3	2.0	2.9	1.7	3.2	1.6	.7	.03
Max	4.9	3.1	3.8	5.0	3.6	5.2	6.3	10.6	.34
Hr. of Max	05	10	10	05	10	05	09	12	09
Min	.6	.1	.9	1.3	.4	1.7	-3.7	-8.7	-.20
Count	24	24	24	24	24	24	24	24	24
Total									

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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	.08	2.1	3.9	5.5	5.9	2.3	-.3	1.5
01:00	.10	3.0	5.0	7.6	7.2	2.0	-.7	.5
02:00	-.03	.9	3.4	8.0	7.6	3.6	-1.1	.0
03:00	.04	1.4	2.5	5.3	6.7	2.8	-2.1	-.4
04:00	-.08	2.7	3.9	6.0	4.7	2.8	-2.0	-1.3
05:00	.02	3.4	4.6	10.8	6.9	2.3	-2.1	-1.3
06:00	.02	2.7	3.0	5.3	6.4	3.0	-2.9	-1.9
07:00	-.01	2.5	2.7	4.8	6.6	4.1	-3.0	-2.5
08:00	-.27	5.0	5.5	7.1	16.2	5.8	-2.1	-2.2
09:00	.36	8.5	7.6	8.9	18.9	18.5	.6	-.1
10:00	.16	8.7	14.4	13.3	24.2	19.2	3.7	2.7
11:00	.39	6.6	7.1	7.3	24.5	30.2	6.3	5.6
12:00	.49	6.0	5.7	5.5	31.3	40.1	8.7	8.1
13:00	-.33	8.5	7.1	7.1	22.4	27.4	10.0	9.3
14:00	-.64	6.2	6.9	6.9	26.3	24.7	11.0	10.2
15:00	-.23	6.2	6.4	6.6	19.0	19.1	11.7	11.0
16:00	-.10	4.1	6.6	4.6	16.1	15.0	11.3	10.8
17:00	.10	3.9	6.4	6.6	8.4	8.5	9.8	10.3
18:00	.10	2.7	5.5	5.3	7.5	3.9	8.2	8.9
19:00	.08	2.1	2.7	6.2	8.0	3.5	6.6	8.3
20:00	.04	2.3	3.4	4.4	7.3	5.6	5.6	7.4
21:00	.06	1.1	4.1	5.5	8.5	3.6	5.4	6.8
22:00	.00	2.7	2.5	4.4	8.5	5.2	5.1	6.9
23:00	.07	2.7	3.9	3.7	8.8	9.9	5.1	7.2
Avg	.02	4.0	5.2	6.5	12.8	11.0	3.9	4.4
Max	.49	8.7	14.4	13.3	31.3	40.1	11.7	11.0
Hr. of Max	12	10	10	10	12	12	15	15
Min	-.64	.9	2.5	3.7	4.7	2.0	-3.0	-2.5
Count	24	24	24	24	24	24	24	24
Total								