Date Printed: 09/06/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/5/2015

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	20.9	22.2	22.5	23.3	1.30	1.59	2.37	.29	1.07
01:00	20.4	21.6	22.0	22.9	1.21	1.59	2.45	.38	1.25
02:00	20.1	21.4	21.9	22.7	1.33	1.76	2.62	.42	1.28
03:00	19.9	21.2	21.6	22.5	1.29	1.70	2.54	.41	1.26
04:00	19.5	20.7	21.2	21.8	1.27	1.78	2.31	.52	1.04
05:00	19.5	20.8	21.2	21.9	1.31	1.71	2.49	.40	1.17
06:00	19.0	20.4	20.7	21.3	1.39	1.71	2.24	.31	.85
07:00	19.0	20.4	20.6	20.9	1.45	1.57	1.87	.12	.42
08:00	20.9	21.2	21.2	21.4	.28	.27	.50	-.02	.21
09:00	24.1	23.6	23.4	23.3	-.49	-.73	-.83	-.24	-.35
10:00	26.0	25.1	24.8	24.6	-.96	-1.26	-1.42	-.30	-.46
11:00	27.4	26.3	25.9	25.8	-1.09	-1.45	-1.62	-.35	-.53
12:00	29.1	27.8	27.5	27.3	-1.33	-1.66	-1.84	-.33	-.51
13:00	30.4	29.0	28.6	28.4	-1.42	-1.82	-1.95	-.41	-.54
14:00	31.4	29.9	29.5	29.4	-1.50	-1.85	-2.02	-.35	-.51
15:00	30.7	29.8	29.5	29.4	-.93	-1.25	-1.30	-.32	-.38
16:00	29.7	29.0	28.7	28.7	-.73	-.98	-.98	-.25	-.26
17:00	28.8	28.3	28.3	28.6	-.49	-.49	-.19	-.01	.30
18:00	27.1	27.2	27.4	27.7	.08	.37	.65	.29	.57
19:00	25.8	26.1	26.4	26.4	.38	.60	.64	.22	.26
20:00	23.4	24.5	25.4	25.8	1.11	2.01	2.43	.90	1.32
21:00	22.6	23.7	24.2	24.7	1.18	1.65	2.12	.47	.94
22:00	22.0	23.1	23.5	23.9	1.11	1.51	1.91	.40	.80
23:00	20.9	21.9	22.5	23.2	.93	1.57	2.27	.64	1.34
Avg	24.1	24.4	24.5	24.8	.28	.41	.72	.13	.44
Max	31.4	29.9	29.5	29.4	1.45	2.01	2.62	.90	1.34
Hr. of Max	14	14	15	15	07	20	02	20	23
Min	19.0	20.4	20.6	20.9	-1.50	-1.85	-2.02	-.41	-.54
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/5/2015

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	18.9	19.7	19.6	26.9	90.1	87.9	16.1	16.9	0.014098
01:00	18.6	19.6	19.2	26.8	91.5	90.4	15.9	16.8	0.013865
02:00	18.4	19.4	19.0	26.6	92.2	90.6	15.7	16.7	0.0137
03:00	18.5	19.3	19.0	26.5	93.4	90.9	15.8	16.5	0.013742
04:00	18.1	18.9	18.5	26.3	93.6	91.6	15.4	16.2	0.013378
05:00	18.2	18.9	18.6	26.2	94.5	91.1	15.5	16.1	0.013496
06:00	17.7	18.7	18.2	26.0	94.0	91.7	15.1	15.9	0.013061
07:00	17.6	18.5	18.1	25.8	93.9	90.7	15.0	15.8	0.013
08:00	18.4	18.2	19.2	25.7	87.5	85.0	15.6	15.4	0.013624
09:00	18.8	18.1	20.6	25.6	74.1	73.1	15.9	15.3	0.014014
10:00	17.8	17.3	20.5	25.5	62.0	63.6	14.9	14.4	0.01316
11:00	17.5	17.0	20.8	25.6	56.2	58.0	14.5	14.1	0.012915
12:00	17.6	17.1	21.5	25.8	51.4	53.7	14.6	14.2	0.013086
13:00	17.8	17.6	22.0	26.1	48.4	51.7	14.7	14.6	0.013268
14:00	17.7	17.5	22.2	26.5	45.4	48.8	14.6	14.5	0.013165
15:00	18.0	18.1	22.2	26.8	48.0	50.9	14.9	15.0	0.013402
16:00	19.6	19.7	23.0	27.1	56.3	59.2	16.5	16.6	0.014854
17:00	20.3	20.3	23.2	27.3	62.1	63.5	17.3	17.2	0.015547
18:00	20.8	20.6	22.9	27.4	70.4	69.5	17.8	17.6	0.015932
19:00	20.1	19.5	22.0	27.4	72.7	68.8	17.1	16.6	0.015219
20:00	19.5	19.1	20.8	27.4	81.2	73.8	16.7	16.1	0.014708
21:00	18.9	18.8	20.1	27.3	81.8	75.5	16.1	15.9	0.014115
22:00	18.9	19.3	19.9	27.2	84.5	81.1	16.1	16.4	0.014056
23:00	18.6	19.1	19.4	27.0	88.6	86.4	15.9	16.3	0.013843
Avg	18.6	18.8	20.4	26.5	75.6	74.5	15.7	15.9	0.013885
Max	20.8	20.6	23.2	27.4	94.5	91.7	17.8	17.6	0.015932
Hr. of Max	18	18	17	20	05	06	18	18	18
Min	17.5	17.0	18.1	25.5	45.4	48.8	14.5	14.1	0.012915
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/5/2015

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	0.014889	21.9	23.1	.00	29.14	986.9	-2.6	.00	350.1
01:00	0.01476	21.5	22.9	.00	29.15	987.0	-1.5	.00	332.0
02:00	0.014608	21.3	22.6	.00	29.14	987.0	-3.3	.00	48.6
03:00	0.014474	21.3	22.4	.00	29.14	986.8	-2.1	.00	38.3
04:00	0.014158	20.8	22.0	.00	29.15	987.0	-.8	.00	7.2
05:00	0.014096	21.0	21.9	.00	29.16	987.5	-2.1	.00	53.4
06:00	0.013896	20.3	21.6	.00	29.18	988.0	-3.1	.00	22.3
07:00	0.013749	20.2	21.4	.00	29.20	988.7	23.2	.03	53.1
08:00	0.013471	21.2	21.0	.00	29.22	989.4	168.5	.24	80.7
09:00	0.013439	21.8	20.9	.00	29.23	989.7	390.3	.56	89.0
10:00	0.012742	20.5	19.9	.00	29.23	990.0	585.4	.84	93.4
11:00	0.012502	20.1	19.5	.00	29.24	990.1	734.9	1.05	119.1
12:00	0.012661	20.4	19.7	.00	29.23	989.8	829.6	1.19	185.8
13:00	0.013064	20.7	20.3	.00	29.21	989.1	871.7	1.25	239.5
14:00	0.012982	20.5	20.2	.00	29.19	988.5	887.8	1.27	207.1
15:00	0.013495	20.8	21.0	.00	29.17	987.8	495.6	.71	336.7
16:00	0.014965	23.0	23.2	.00	29.16	987.4	306.6	.44	327.0
17:00	0.015473	24.1	24.0	.00	29.15	987.2	188.8	.27	321.4
18:00	0.015791	24.7	24.4	.00	29.15	987.3	86.0	.12	236.7
19:00	0.014738	23.6	22.9	.00	29.17	987.8	40.8	.06	266.6
20:00	0.01428	22.8	22.2	.00	29.18	988.2	-2.1	.00	269.6
21:00	0.013995	21.9	21.8	.00	29.21	989.2	-2.1	.00	24.0
22:00	0.014425	21.9	22.4	.00	29.22	989.6	-2.1	.00	325.6
23:00	0.014278	21.5	22.2	.00	29.21	989.3	-1.5	.00	282.5
Avg	0.014039	21.6	21.8	.00	29.18	988.3	232.7	.33	358.0
Max	0.015791	24.7	24.4	.00	29.24	990.1	887.8	1.27	350.1
Hr. of Max	18	18	18	23	11	11	14	14	00
Min	0.012502	20.1	19.5	.00	29.14	986.8	-3.3	.00	7.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/5/2015

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	78.1	63.8	357.3	61.9	32.1	14.8	6.5	.6	1.1
01:00	82.7	73.2	331.8	70.7	37.7	24.2	15.9	.6	1.0
02:00	79.5	62.5	56.9	59.0	35.4	7.0	4.7	.7	1.6
03:00	72.7	69.1	41.5	65.8	17.7	10.8	6.7	1.1	2.1
04:00	56.3	66.3	17.2	63.6	58.0	15.5	6.9	.7	1.8
05:00	58.1	55.5	56.5	51.5	14.6	15.0	8.2	1.7	2.9
06:00	64.8	76.8	29.5	73.5	48.9	11.8	7.8	1.1	2.2
07:00	56.6	58.9	57.6	55.4	21.0	10.5	5.3	1.1	2.2
08:00	68.3	62.9	93.6	60.4	50.4	20.0	15.3	.4	1.2
09:00	78.0	65.4	92.9	63.0	29.9	23.6	23.8	2.7	3.2
10:00	90.8	85.5	94.2	81.4	19.8	18.6	17.9	4.4	4.7
11:00	110.3	107.4	121.2	103.4	39.4	30.3	32.2	1.8	2.0
12:00	166.5	175.3	185.2	173.7	68.2	53.1	46.0	1.2	1.2
13:00	250.7	251.3	237.3	250.4	46.0	44.7	38.7	1.7	1.9
14:00	210.9	215.8	210.1	214.6	53.2	44.0	37.6	1.8	2.3
15:00	357.5	340.0	337.3	335.0	47.4	44.9	51.6	1.0	1.5
16:00	349.7	351.1	327.0	345.7	25.0	16.4	9.7	2.3	3.6
17:00	345.1	343.7	321.8	337.5	21.1	15.8	7.7	2.2	3.7
18:00	179.6	195.6	228.7	197.5	44.9	30.7	45.6	1.0	1.6
19:00	203.7	193.1	263.7	192.0	50.7	51.7	37.9	.9	1.0
20:00	168.9	178.1	265.5	177.2	37.1	65.3	23.0	1.0	1.2
21:00	62.2	85.9	28.7	84.3	29.1	29.9	37.9	1.1	1.6
22:00	62.6	91.7	326.0	90.9	43.5	19.8	18.9	.6	.8
23:00	117.6	297.2	278.8	293.5	49.7	47.5	48.7	.9	.2
Avg	83.0	76.0	4.0	73.0	38.4	27.7	23.1	.0	.0
Max	357.5	351.1	357.3	345.7	68.2	65.3	51.6	4.4	4.7
Hr. of Max	15	16	00	16	12	20	15	10	10
Min	56.3	55.5	17.2	51.5	14.6	7.0	4.7	.4	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/5/2015

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	2.8	.8	1.1	2.8	1.0	3.0	1.9	4.2	.04
01:00	2.4	1.1	1.2	2.6	1.3	2.8	.5	3.1	.02
02:00	3.5	.7	1.6	3.6	1.0	3.8	3.6	.2	.06
03:00	3.5	1.3	2.1	3.6	1.5	3.8	2.8	1.1	.06
04:00	3.3	.9	1.9	3.3	1.2	3.6	2.7	3.3	.05
05:00	5.3	1.8	3.1	5.3	1.9	5.6	-1.2	1.4	-.06
06:00	3.6	1.4	2.3	3.7	1.5	3.9	1.9	1.3	.00
07:00	3.8	1.3	2.2	3.8	1.4	4.0	.2	-.2	-.02
08:00	2.4	.6	1.3	2.5	.9	2.8	3.5	1.0	.06
09:00	3.9	3.0	3.4	4.1	3.5	4.6	2.9	8.4	.08
10:00	5.1	4.6	5.0	5.3	5.1	5.8	-.5	-.1	-.07
11:00	2.2	2.5	2.6	2.7	3.1	3.2	-1.3	-12.6	-.07
12:00	1.5	2.1	2.1	2.2	2.8	3.0	-1.8	-10.6	-.02
13:00	2.3	3.3	3.4	3.2	3.8	3.8	.9	-3.7	.07
14:00	2.3	2.8	3.2	3.3	3.5	3.9	1.1	-2.4	.08
15:00	1.7	2.3	2.8	2.9	2.7	3.4	.5	2.0	-.06
16:00	4.6	2.4	3.7	4.6	2.9	5.0	-5.6	-1.3	-.40
17:00	4.7	2.4	3.9	4.8	2.6	5.1	-1.2	-.2	-.20
18:00	1.8	1.5	2.8	4.0	1.9	4.3	4.0	3.4	.05
19:00	1.5	1.3	1.8	2.1	1.6	2.4	.5	-4.7	-.04
20:00	2.4	1.4	1.6	2.6	1.6	2.9	.7	-.8	.03
21:00	1.2	1.5	2.4	2.8	1.7	3.1	1.1	4.4	.00
22:00	1.4	.8	.9	1.5	1.0	1.8	1.5	1.6	.01
23:00	.6	1.3	.8	1.1	1.6	1.3	.8	2.5	.01
Avg	.0	1.8	2.4	3.3	2.1	3.6	.8	.1	-.01
Max	5.3	4.6	5.0	5.3	5.1	5.8	4.0	8.4	.08
Hr. of Max	05	10	10	10	10	10	18	09	14
Min	.6	.6	.8	1.1	.9	1.3	-5.6	-12.6	-.40
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/5/2015

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	82_SPkWsH_015m	83_SPkWsH_060m	84_SigPhi_015m	85_SigPhi_060m
Hour	MPH	MPH	MPH	MPH	MPH	MPH	DEG	DEG
00:00	.22	3.0	2.7	4.8	2.3	4.5	7.4	3.5
01:00	.16	3.0	4.8	7.3	2.9	4.9	8.0	6.2
02:00	.01	2.7	4.1	6.6	2.8	5.7	8.5	3.2
03:00	.08	3.4	3.4	8.0	3.4	5.9	9.4	2.8
04:00	.21	2.5	5.0	6.9	3.1	5.4	9.3	4.3
05:00	.12	3.4	5.5	9.4	3.9	9.6	9.2	3.1
06:00	.08	3.7	7.3	12.1	3.7	6.3	9.7	4.0
07:00	-.02	4.6	8.5	8.5	3.0	6.4	10.0	3.3
08:00	.01	1.8	3.2	5.0	2.2	5.2	19.5	11.0
09:00	.48	10.8	12.1	13.3	11.2	13.4	18.8	19.4
10:00	.00	11.0	10.8	11.0	11.4	12.1	17.2	17.0
11:00	-.60	7.1	6.9	7.6	8.6	8.4	28.0	29.0
12:00	-.55	6.0	6.6	8.2	7.5	7.9	31.6	36.3
13:00	-.23	8.2	8.2	9.2	9.0	10.7	24.8	27.1
14:00	-.22	7.8	7.8	8.2	8.8	8.4	26.9	30.7
15:00	.14	8.0	9.2	9.2	8.0	7.1	25.1	25.1
16:00	-.13	6.0	7.1	7.6	7.6	8.5	18.7	7.2
17:00	-.01	6.2	7.8	7.8	7.0	8.0	19.4	5.5
18:00	.24	8.2	10.1	11.4	8.3	11.7	17.0	10.1
19:00	-.16	3.7	4.6	5.7	4.0	7.3	15.8	16.4
20:00	-.01	3.9	6.0	6.6	4.4	6.7	10.5	11.2
21:00	.19	5.0	7.8	11.0	4.4	7.3	11.5	13.4
22:00	.05	2.1	5.7	9.6	2.3	5.6	11.4	12.6
23:00	.05	3.7	3.2	3.0	4.2	3.2	8.2	10.4
Avg	.00	5.2	6.6	8.3	5.6	7.5	15.7	13.0
Max	.48	11.0	12.1	13.3	11.4	13.4	31.6	36.3
Hr. of Max	09	10	09	09	10	09	12	12
Min	-.60	1.8	2.7	3.0	2.2	3.2	7.4	2.8
Count	24	24	24	24	24	24	24	24
Total								