Date Printed: 09/19/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/18/2015

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	15.1	16.5	16.7	17.3	1.36	1.62	2.19	.26	.83
01:00	14.7	16.0	16.2	16.7	1.35	1.53	1.99	.18	.64
02:00	14.2	15.6	16.0	16.5	1.40	1.78	2.32	.39	.93
03:00	13.6	14.9	15.4	16.0	1.30	1.76	2.36	.45	1.05
04:00	13.3	14.6	15.0	15.5	1.38	1.74	2.29	.36	.91
05:00	13.2	14.5	14.8	15.3	1.33	1.61	2.13	.28	.80
06:00	13.4	14.4	14.5	14.7	1.03	1.09	1.35	.06	.32
07:00	13.6	14.2	14.2	14.4	.60	.58	.82	-.01	.23
08:00	14.8	14.7	14.6	14.6	-.05	-.17	-.17	-.12	-.12
09:00	17.2	16.8	16.6	16.4	-.47	-.67	-.78	-.19	-.31
10:00	20.7	19.8	19.6	19.5	-.83	-1.11	-1.20	-.28	-.37
11:00	23.6	22.6	22.2	22.0	-1.00	-1.37	-1.58	-.38	-.58
12:00	25.3	24.1	23.8	23.7	-1.17	-1.52	-1.63	-.34	-.45
13:00	26.4	25.4	25.0	24.8	-1.07	-1.43	-1.63	-.36	-.56
14:00	26.7	25.9	25.6	25.5	-.78	-1.10	-1.23	-.32	-.45
15:00	27.5	26.5	26.2	26.1	-.97	-1.29	-1.36	-.32	-.39
16:00	27.8	27.0	26.7	26.5	-.77	-1.08	-1.27	-.31	-.49
17:00	27.7	27.2	26.8	26.7	-.50	-.85	-1.02	-.35	-.51
18:00	25.1	25.8	26.5	26.6	.64	1.33	1.49	.69	.86
19:00	21.2	23.0	24.3	25.3	1.76	3.07	4.06	1.31	2.30
20:00	18.8	21.0	21.8	22.8	2.21	2.98	4.02	.78	1.81
21:00	17.6	19.4	20.2	21.3	1.80	2.57	3.63	.76	1.83
22:00	16.9	18.5	19.1	19.6	1.68	2.23	2.77	.55	1.09
23:00	16.4	17.8	18.2	19.1	1.38	1.80	2.66	.42	1.28
Avg	19.4	19.8	20.0	20.3	.48	.63	.93	.15	.44
Max	27.8	27.2	26.8	26.7	2.21	3.07	4.06	1.31	2.30
Hr. of Max	16	17	17	17	20	19	19	19	19
Min	13.2	14.2	14.2	14.4	-1.17	-1.52	-1.63	-.38	-.58
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/18/2015

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	13.6	15.0	14.1	22.4	92.4	92.8	11.8	12.8	0.010023
01:00	13.3	14.8	13.7	22.2	92.7	94.3	11.5	12.7	0.009782
02:00	12.9	14.6	13.3	22.1	93.2	95.4	11.2	12.5	0.009516
03:00	12.4	14.0	12.8	22.0	93.6	95.9	10.9	12.1	0.009219
04:00	12.0	13.8	12.4	21.9	93.5	96.6	10.6	11.9	0.008997
05:00	12.1	13.7	12.4	21.8	94.2	96.1	10.7	11.8	0.009025
06:00	12.3	13.5	12.7	21.6	94.8	95.8	10.9	11.7	0.009193
07:00	12.7	13.3	13.0	21.5	95.7	96.1	11.1	11.6	0.009406
08:00	13.5	13.6	13.9	21.4	93.6	94.3	11.7	11.7	0.009944
09:00	14.4	13.9	15.4	21.3	85.2	84.6	12.3	11.9	0.010556
10:00	15.2	14.5	17.0	21.2	72.6	72.6	12.8	12.2	0.01116
11:00	15.4	14.8	18.1	21.3	61.3	62.7	12.9	12.4	0.011294
12:00	14.9	14.2	18.4	21.4	53.7	55.0	12.4	11.9	0.01096
13:00	14.1	13.6	18.2	21.7	48.0	49.2	11.8	11.4	0.010459
14:00	13.9	13.6	18.2	22.0	46.6	47.5	11.6	11.4	0.010345
15:00	13.5	13.0	18.2	22.3	43.4	44.4	11.3	11.0	0.010081
16:00	12.7	12.1	17.7	22.5	40.3	40.7	10.7	10.4	0.009565
17:00	12.8	12.3	17.7	22.7	40.8	40.6	10.8	10.4	0.009615
18:00	14.7	13.6	18.2	22.8	54.2	48.2	12.3	11.4	0.010893
19:00	15.7	15.1	17.5	22.9	72.2	62.7	13.2	12.7	0.011526
20:00	15.1	15.3	16.3	23.0	80.4	71.5	12.7	12.9	0.01105
21:00	15.1	16.0	16.0	23.0	86.8	82.0	12.8	13.5	0.011091
22:00	14.9	16.1	15.6	22.9	89.9	87.3	12.7	13.6	0.010928
23:00	14.7	16.2	15.3	22.9	91.2	92.0	12.5	13.7	0.01077
Avg	13.8	14.2	15.7	22.1	75.4	74.9	11.8	12.1	0.010225
Max	15.7	16.2	18.4	23.0	95.7	96.6	13.2	13.7	0.011526
Hr. of Max	19	23	12	21	07	04	19	23	19
Min	12.0	12.1	12.4	21.2	40.3	40.6	10.6	10.4	0.008997
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)

9/18/2015

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	0.010978	15.7	17.1	.00	29.15	987.2	-3.3	.00	352.3
01:00	0.010849	15.3	16.9	.00	29.14	987.0	-1.6	.00	19.6
02:00	0.010652	14.9	16.6	.00	29.13	986.6	-.9	.00	42.6
03:00	0.010285	14.4	16.0	.00	29.13	986.4	-1.5	.00	260.0
04:00	0.010163	14.1	15.9	.00	29.12	986.2	-2.1	.00	59.0
05:00	0.010039	14.1	15.7	.00	29.12	986.2	-3.1	.00	48.7
06:00	0.00993	14.4	15.5	.00	29.13	986.6	-3.1	.00	51.1
07:00	0.009812	14.7	15.3	.00	29.14	987.0	18.6	.03	57.4
08:00	0.009991	15.5	15.6	.00	29.15	987.1	153.4	.22	77.0
09:00	0.010172	16.5	15.9	.00	29.16	987.5	407.4	.58	90.0
10:00	0.010602	17.4	16.6	.00	29.17	987.9	607.8	.87	98.2
11:00	0.010868	17.6	17.0	.00	29.17	987.8	748.9	1.07	100.7
12:00	0.010454	17.1	16.3	.00	29.15	987.3	872.3	1.25	131.3
13:00	0.010067	16.3	15.7	.00	29.13	986.4	863.4	1.24	72.9
14:00	0.010076	16.1	15.7	.00	29.10	985.3	669.8	.96	79.8
15:00	0.00974	15.7	15.2	.00	29.07	984.4	777.8	1.12	153.5
16:00	0.009219	14.9	14.4	.00	29.04	983.5	617.1	.88	94.0
17:00	0.009289	15.0	14.5	.00	29.04	983.3	311.1	.45	334.3
18:00	0.010113	16.9	15.7	.00	29.04	983.4	153.5	.22	294.8
19:00	0.011135	17.9	17.3	.00	29.04	983.4	15.3	.02	305.5
20:00	0.011258	17.2	17.5	.00	29.05	983.7	-3.1	.00	312.8
21:00	0.011728	17.2	18.2	.00	29.06	984.0	-2.5	.00	281.5
22:00	0.011798	17.0	18.3	.00	29.07	984.3	-1.3	.00	284.4
23:00	0.011858	16.8	18.4	.00	29.07	984.3	-.7	.00	320.2
Avg	0.010462	15.9	16.3	.00	29.11	985.7	258.1	.37	37.0
Max	0.011858	17.9	18.4	.00	29.17	987.9	872.3	1.25	352.3
Hr. of Max	23	19	23	23	11	10	12	12	00
Min	0.009219	14.1	14.4	.00	29.04	983.3	-3.3	.00	19.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/18/2015

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	72.6	56.9	17.5	54.6	18.4	5.5	9.0	.4	1.5
01:00	72.7	57.4	27.4	54.9	16.8	4.7	3.0	.3	1.1
02:00	75.0	39.2	35.1	34.3	42.3	6.2	5.5	.2	1.2
03:00	84.5	34.4	258.2	30.0	44.9	8.0	8.7	.5	.1
04:00	71.2	43.7	56.3	39.1	24.0	5.2	9.9	.3	1.1
05:00	72.0	58.2	50.9	54.7	24.3	6.8	6.8	1.1	2.3
06:00	56.9	56.8	53.9	52.8	16.0	5.8	3.5	1.5	3.1
07:00	66.3	67.2	59.7	63.3	12.1	9.5	5.6	1.6	2.9
08:00	70.7	62.8	80.4	59.0	17.8	14.2	10.4	2.1	2.6
09:00	85.9	68.9	92.7	65.2	18.6	16.0	16.7	3.3	3.3
10:00	89.2	77.0	104.9	72.5	33.4	32.5	34.8	2.7	2.8
11:00	100.5	98.4	118.2	95.6	63.9	54.4	53.2	1.0	1.1
12:00	133.9	134.6	136.4	133.0	34.0	26.4	27.0	2.7	2.8
13:00	70.8	63.5	76.8	58.7	59.6	47.9	48.5	2.1	2.3
14:00	62.2	30.4	89.5	29.3	48.4	43.2	42.3	.8	1.2
15:00	151.4	170.0	157.3	8.5	65.7	70.8	69.3	.9	.5
16:00	96.8	91.4	95.4	88.1	54.4	45.3	46.1	2.0	2.4
17:00	12.9	8.5	340.1	6.2	51.8	53.4	54.1	.8	1.6
18:00	288.6	298.2	288.5	298.0	21.3	33.0	24.5	.7	1.0
19:00	142.6	251.2	305.5	247.0	14.6	35.2	33.2	1.0	.4
20:00	101.4	262.9	314.0	239.3	20.8	33.3	17.9	.6	.2
21:00	145.2	239.3	277.3	238.8	42.7	46.8	9.4	.5	.4
22:00	98.9	218.9	282.2	215.0	28.5	30.5	14.3	.6	.3
23:00	209.3	210.9	320.7	209.0	41.4	30.8	24.4	.4	1.2
Avg	88.0	63.0	44.0	52.0	34.0	27.7	24.1	.0	.0
Max	288.6	298.2	340.1	298.0	65.7	70.8	69.3	3.3	3.3
Hr. of Max	18	18	17	18	15	15	15	09	09
Min	12.9	8.5	17.5	6.2	12.1	4.7	3.0	.2	.1
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)

9/18/2015

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	2.1	.4	1.5	2.1	.7	2.3	2.5	1.0	.03
01:00	2.7	.3	1.1	2.7	.7	2.9	5.0	3.1	.07
02:00	2.0	.2	1.2	2.0	.5	2.2	2.0	1.1	.03
03:00	.5	.5	.1	.5	.8	1.0	.5	1.3	.01
04:00	1.5	.3	1.1	1.5	.5	1.8	2.2	1.2	.03
05:00	3.0	1.2	2.3	3.1	1.3	3.3	1.1	3.3	.02
06:00	4.0	1.6	3.1	4.0	1.7	4.2	-1.6	.8	-.07
07:00	3.9	1.7	3.0	3.9	1.8	4.1	-2.2	-.3	-.10
08:00	3.3	2.2	2.7	3.4	2.5	3.7	1.5	1.0	.06
09:00	3.2	3.5	3.5	3.5	3.9	3.8	-.3	1.7	-.06
10:00	2.7	3.1	3.2	3.2	3.6	3.7	3.0	4.2	.17
11:00	1.2	2.2	2.3	2.3	2.8	3.1	6.8	3.3	.42
12:00	2.7	3.1	3.1	3.0	3.8	3.6	-.3	-7.5	.02
13:00	2.1	2.8	3.1	3.0	3.4	3.7	4.2	.8	.19
14:00	1.2	2.9	3.4	3.4	3.4	4.1	-2.1	-2.1	-.06
15:00	.2	2.7	2.9	3.0	3.3	3.6	-4.0	-2.2	-.26
16:00	2.5	2.8	3.2	3.3	3.4	4.0	.4	1.1	.00
17:00	1.9	1.6	2.3	2.5	2.2	3.0	1.4	-2.6	.00
18:00	1.1	.8	1.3	1.4	1.1	1.6	4.4	-.1	.05
19:00	1.5	1.0	1.0	1.6	1.2	1.9	-1.3	-1.2	-.04
20:00	.2	.7	.5	.2	.9	.4	.6	-.4	.00
21:00	1.7	.5	.4	1.7	.9	2.0	1.7	.9	.02
22:00	1.2	.7	.3	1.3	1.0	1.5	.5	-.4	.01
23:00	1.5	.9	1.9	1.7	1.1	2.0	2.6	-.8	.05
Avg	.0	1.6	2.0	2.4	1.9	2.8	1.2	.3	.02
Max	4.0	3.5	3.5	4.0	3.9	4.2	6.8	4.2	.42
Hr. of Max	06	09	09	06	09	06	11	10	11
Min	.2	.2	.1	.2	.5	.4	-4.0	-7.5	-.26
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/18/2015

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	.05	1.8	3.2	3.4	2.1	3.8	8.1	3.0
01:00	.16	1.4	2.7	4.6	1.6	3.7	7.6	2.5
02:00	.04	1.6	2.1	5.0	1.9	2.8	5.2	3.3
03:00	.02	1.4	1.1	1.6	2.3	1.6	5.5	4.2
04:00	.05	1.4	2.1	2.3	1.5	2.6	5.8	3.9
05:00	.19	2.3	3.2	4.4	2.4	4.7	6.9	4.2
06:00	.05	3.2	5.5	7.3	3.7	5.7	9.3	3.1
07:00	-.01	3.2	4.6	9.6	3.8	6.2	9.4	4.4
08:00	.03	5.0	6.9	6.2	6.0	6.0	16.0	9.6
09:00	.10	9.4	7.6	6.4	8.3	7.0	15.2	14.1
10:00	.36	7.6	11.0	7.3	7.5	8.0	20.0	22.4
11:00	.41	6.4	6.6	7.1	7.5	8.0	29.5	33.5
12:00	-.42	8.2	7.6	6.4	8.3	7.9	22.7	27.5
13:00	.15	8.9	8.9	8.2	9.6	9.7	28.9	30.4
14:00	-.03	11.2	11.4	11.0	11.3	11.9	25.3	28.4
15:00	-.31	7.8	8.5	7.1	9.1	8.0	26.5	31.3
16:00	.15	8.7	12.6	8.7	9.9	9.4	27.8	30.1
17:00	-.14	4.8	5.5	7.6	5.8	7.5	27.4	22.8
18:00	-.05	2.7	2.7	3.4	3.0	3.9	16.4	18.8
19:00	-.03	3.9	3.9	6.4	2.9	4.5	9.2	11.8
20:00	-.01	1.8	2.3	1.6	2.1	1.7	6.6	8.3
21:00	.04	2.1	1.8	2.7	1.9	3.1	7.7	3.1
22:00	.00	2.3	2.3	3.2	2.5	3.5	7.5	7.8
23:00	-.03	2.5	3.2	6.2	2.6	4.1	8.1	4.5
Avg	.03	4.6	5.3	5.7	4.9	5.6	14.7	13.9
Max	.41	11.2	12.6	11.0	11.3	11.9	29.5	33.5
Hr. of Max	11	14	16	14	14	14	11	11
Min	-.42	1.4	1.1	1.6	1.5	1.6	5.2	2.5
Count	24	24	24	24	24	24	24	24
Total								