Date Printed: 04/05/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/4/2015

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	13.2	13.3	13.2	13.3	.12	.02	.06	-.10	-.07
01:00	11.8	12.2	12.1	12.2	.38	.35	.39	-.03	.01
02:00	10.8	11.6	11.6	11.6	.86	.82	.81	-.04	-.05
03:00	10.4	11.1	11.0	11.0	.76	.68	.69	-.08	-.08
04:00	9.6	10.4	10.4	10.4	.83	.76	.77	-.07	-.06
05:00	7.8	9.7	9.8	9.8	1.87	1.97	2.01	.10	.13
06:00	6.7	8.9	9.5	9.6	2.27	2.81	2.94	.54	.66
07:00	7.0	9.0	9.3	9.3	2.03	2.24	2.25	.21	.21
08:00	9.4	9.4	9.2	9.1	.00	-.16	-.29	-.17	-.29
09:00	10.2	9.8	9.5	9.4	-.40	-.69	-.88	-.29	-.47
10:00	11.1	10.5	10.1	9.9	-.63	-1.00	-1.23	-.38	-.60
11:00	12.3	11.5	11.1	10.8	-.77	-1.23	-1.52	-.46	-.75
12:00	13.4	12.6	12.2	11.9	-.82	-1.23	-1.45	-.41	-.63
13:00	14.8	13.8	13.3	13.1	-1.00	-1.45	-1.67	-.45	-.67
14:00	15.5	14.6	14.1	13.9	-.87	-1.34	-1.60	-.47	-.73
15:00	16.1	15.2	14.8	14.6	-.88	-1.29	-1.51	-.42	-.63
16:00	16.2	15.5	15.1	14.9	-.71	-1.11	-1.31	-.40	-.59
17:00	16.2	15.7	15.3	15.1	-.51	-.88	-1.08	-.36	-.56
18:00	15.6	15.5	15.2	15.1	-.17	-.41	-.55	-.24	-.39
19:00	13.8	14.3	14.3	14.3	.58	.55	.53	-.03	-.06
20:00	10.7	12.8	13.1	13.2	2.13	2.40	2.56	.26	.43
21:00	7.6	10.7	11.8	12.4	3.14	4.24	4.82	1.10	1.68
22:00	6.2	9.0	10.3	11.4	2.80	4.05	5.21	1.26	2.41
23:00	4.5	7.3	8.6	10.3	2.81	4.10	5.85	1.29	3.04
Avg	11.3	11.9	11.9	11.9	.58	.59	.66	.02	.08
Max	16.2	15.7	15.3	15.1	3.14	4.24	5.85	1.29	3.04
Hr. of Max	17	17	17	18	21	21	23	23	23
Min	4.5	7.3	8.6	9.1	-1.00	-1.45	-1.67	-.47	-.75
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/4/2015

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	10.5	10.1	11.4	16.6	85.0	81.9	9.7	9.4	0.008168
01:00	7.8	7.0	9.1	16.5	77.5	71.4	8.1	7.6	0.006763
02:00	7.4	5.7	8.5	16.2	81.1	67.8	7.9	7.0	0.00659
03:00	6.1	4.3	7.5	15.9	75.7	63.4	7.2	6.4	0.005993
04:00	5.3	3.5	6.8	15.7	75.5	62.8	6.9	6.0	0.005684
05:00	5.2	3.3	6.1	15.4	84.5	65.1	6.8	6.0	0.005632
06:00	5.1	3.3	5.6	15.1	90.8	68.6	6.8	6.0	0.005582
07:00	5.2	2.9	5.8	14.7	89.4	66.3	6.9	5.8	0.005615
08:00	2.9	1.9	5.1	14.4	64.9	60.5	5.8	5.4	0.00478
09:00	1.9	.7	4.7	14.1	56.9	53.7	5.4	5.0	0.004449
10:00	.6	-.6	4.1	14.1	49.0	47.0	4.9	4.5	0.004059
11:00	-.6	-2.1	3.7	14.2	41.6	39.2	4.5	4.0	0.003726
12:00	-1.2	-2.8	3.7	14.6	37.1	34.8	4.3	3.8	0.003579
13:00	-2.5	-4.4	3.3	15.1	31.2	28.8	3.9	3.4	0.00328
14:00	-4.3	-5.8	2.3	15.7	26.0	24.5	3.4	3.1	0.002868
15:00	-4.5	-6.3	2.4	16.2	24.6	22.7	3.4	2.9	0.002831
16:00	-4.3	-6.0	2.5	16.4	24.7	22.7	3.4	3.0	0.002861
17:00	-5.2	-6.9	1.9	16.5	23.2	21.1	3.2	2.8	0.002685
18:00	-7.0	-8.7	.6	16.5	21.1	18.6	2.8	2.5	0.002348
19:00	-7.1	-9.3	-.2	16.3	23.5	19.1	2.8	2.3	0.002312
20:00	-5.1	-9.0	.2	16.0	33.9	21.5	3.3	2.4	0.002693
21:00	-2.2	-5.0	1.1	15.6	50.5	33.5	4.0	3.3	0.003296
22:00	-1.9	-3.9	.8	15.2	56.5	40.6	4.1	3.6	0.003352
23:00	-1.5	-2.1	.5	14.7	65.7	52.0	4.3	4.1	0.003446
Avg	.4	-1.3	4.1	15.5	53.7	45.3	5.2	4.6	0.004275
Max	10.5	10.1	11.4	16.6	90.8	81.9	9.7	9.4	0.008168
Hr. of Max	00	00	00	00	06	00	00	00	00
Min	-7.1	-9.3	-.2	14.1	21.1	18.6	2.8	2.3	0.002312
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/4/2015

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	0.007933	12.8	12.4	.00	29.09	985.2	-2.5	.00	297.9
01:00	0.006395	10.6	10.0	.00	29.13	986.6	-2.4	.00	307.8
02:00	0.005852	10.4	9.2	.00	29.16	987.6	-2.4	.00	338.6
03:00	0.005292	9.4	8.3	.00	29.18	988.3	-2.2	.00	332.2
04:00	0.005003	9.0	7.9	.00	29.21	989.2	-2.0	.00	330.6
05:00	0.004931	8.9	7.8	.00	29.23	990.0	-2.3	.00	348.3
06:00	0.004922	8.8	7.8	.00	29.25	990.7	-2.2	.00	326.1
07:00	0.004793	8.9	7.6	.00	29.28	991.6	30.0	.04	342.8
08:00	0.00446	7.6	7.1	.00	29.31	992.5	219.9	.32	5.4
09:00	0.004086	7.1	6.5	.00	29.33	993.2	461.1	.66	24.0
10:00	0.003733	6.4	5.9	.00	29.35	994.0	663.1	.95	13.9
11:00	0.003337	5.9	5.3	.00	29.37	994.5	818.6	1.17	33.7
12:00	0.003179	5.7	5.1	.00	29.37	994.7	919.6	1.32	46.8
13:00	0.002832	5.2	4.5	.00	29.37	994.6	958.6	1.37	357.4
14:00	0.002553	4.6	4.1	.00	29.37	994.5	946.0	1.36	14.9
15:00	0.002464	4.5	3.9	.00	29.35	994.0	866.3	1.24	29.4
16:00	0.002511	4.5	4.0	.00	29.34	993.5	718.6	1.03	84.0
17:00	0.002361	4.3	3.8	.00	29.34	993.5	455.8	.65	81.4
18:00	0.002051	3.7	3.3	.00	29.34	993.6	250.6	.36	65.6
19:00	0.001954	3.7	3.1	.00	29.35	993.9	58.7	.08	59.1
20:00	0.001993	4.3	3.2	.00	29.36	994.3	-1.8	.00	38.8
21:00	0.002697	5.2	4.3	.00	29.37	994.8	-1.6	.00	84.6
22:00	0.002918	5.3	4.6	.00	29.38	995.1	-2.5	.00	50.5
23:00	0.003316	5.5	5.3	.00	29.39	995.2	-2.3	.00	40.7
Avg	0.003815	6.8	6.0	.00	29.30	992.3	305.9	.44	17.0
Max	0.007933	12.8	12.4	.00	29.39	995.2	958.6	1.37	357.4
Hr. of Max	00	00	00	23	23	23	13	13	13
Min	0.001954	3.7	3.1	.00	29.09	985.2	-2.5	.00	5.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/4/2015

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	312.3	315.7	298.2	312.5	37.0	29.8	21.8	3.5	5.3
01:00	314.9	318.8	310.4	315.2	47.6	35.0	27.2	2.5	4.1
02:00	1.4	2.1	338.7	357.3	54.1	35.9	28.7	1.1	2.8
03:00	343.6	345.2	333.0	340.3	33.9	23.1	18.0	2.0	3.5
04:00	346.5	344.6	332.6	339.6	26.7	20.2	16.1	1.9	3.5
05:00	6.8	.8	348.7	356.0	25.5	14.7	14.6	1.0	2.5
06:00	10.9	13.1	326.0	6.8	19.4	12.6	11.0	1.6	3.3
07:00	7.2	9.5	343.8	4.2	24.5	15.1	14.3	2.3	4.6
08:00	7.3	5.7	5.2	1.3	28.8	21.6	17.1	3.6	5.7
09:00	25.4	21.6	24.2	17.4	35.4	22.8	19.8	4.4	7.3
10:00	16.0	14.8	13.7	10.5	37.4	25.0	22.7	5.5	8.5
11:00	29.9	28.0	36.8	23.7	53.2	39.7	33.0	3.2	5.3
12:00	38.7	31.1	45.9	26.5	53.6	40.8	39.5	3.1	4.6
13:00	.3	357.1	357.4	353.8	55.5	46.2	41.4	2.6	5.1
14:00	16.8	15.5	15.8	10.9	47.7	34.8	31.1	4.1	6.8
15:00	29.9	25.2	31.2	21.3	53.3	40.5	34.4	3.5	5.2
16:00	84.0	76.9	85.3	73.6	37.4	34.8	36.4	3.9	5.0
17:00	76.1	73.2	84.3	69.9	33.5	29.9	28.9	4.8	6.2
18:00	66.6	64.4	68.9	60.6	33.9	21.7	16.3	4.5	7.7
19:00	60.0	60.7	58.8	56.4	27.8	15.7	10.4	3.9	7.9
20:00	38.6	44.1	40.0	39.0	21.3	10.9	6.8	2.0	5.1
21:00	46.5	35.2	90.4	29.4	21.1	14.3	9.0	1.1	3.4
22:00	62.0	35.7	56.5	30.1	38.4	16.5	10.7	.6	2.7
23:00	74.8	55.4	44.8	51.2	38.9	11.7	14.4	.3	1.6
Avg	24.0	20.0	18.0	16.0	36.9	25.6	21.8	.0	.0
Max	346.5	357.1	357.4	357.3	55.5	46.2	41.4	5.5	8.5
Hr. of Max	04	13	13	02	13	13	13	10	10
Min	.3	.8	5.2	1.3	19.4	10.9	6.8	.3	1.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/4/2015

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	7.1	4.1	6.0	7.7	4.6	8.1	-1.8	-1.3	-.35
01:00	6.3	3.0	4.7	6.9	3.5	7.4	1.6	-.1	-.13
02:00	4.1	1.8	3.4	4.6	2.3	5.1	-1.6	-1.3	-.11
03:00	4.9	2.3	3.8	5.1	2.7	5.6	-4.6	-2.7	-.32
04:00	5.1	2.0	3.7	5.3	2.4	5.7	-2.4	-1.0	-.20
05:00	3.8	1.1	2.6	3.9	1.4	4.3	-1.0	-.1	-.05
06:00	4.3	1.7	3.4	4.4	2.0	4.8	-4.1	-.5	-.15
07:00	5.8	2.6	4.8	6.1	3.0	6.5	-5.0	-1.6	-.33
08:00	6.8	4.0	6.1	7.2	4.5	7.8	-3.2	-.8	-.52
09:00	8.8	5.1	7.8	9.3	5.5	10.1	-2.4	.5	-.58
10:00	9.8	6.7	9.3	10.7	7.3	11.5	-1.5	-2.0	-.60
11:00	6.7	4.5	6.3	7.7	5.2	8.4	-1.1	3.2	-.38
12:00	5.1	4.2	5.4	5.9	4.9	6.8	1.0	-1.8	-.08
13:00	6.2	5.6	7.5	8.5	6.0	9.3	-.9	-2.7	-.34
14:00	7.9	5.6	7.7	8.8	6.2	9.7	-3.6	-1.4	-.66
15:00	6.0	5.2	6.5	7.1	5.8	8.0	-2.1	-.3	-.39
16:00	5.8	4.7	5.8	6.6	5.4	7.3	-1.7	1.1	-.23
17:00	7.6	5.5	6.9	8.2	6.1	8.9	1.3	4.0	.04
18:00	9.9	5.1	8.2	10.2	5.7	10.9	1.4	3.9	-.11
19:00	10.9	4.3	8.2	11.1	4.9	11.7	-.1	-.5	-.21
20:00	7.5	2.1	5.2	7.6	2.3	8.0	-1.9	.1	-.15
21:00	6.1	1.2	3.5	6.2	1.6	6.5	5.3	1.5	.15
22:00	4.2	.7	2.8	4.5	1.0	4.8	1.9	1.9	.03
23:00	2.5	.4	1.7	2.8	.8	3.1	3.2	1.0	.05
Avg	.0	3.5	5.5	6.9	4.0	7.5	-1.0	.0	-.23
Max	10.9	6.7	9.3	11.1	7.3	11.7	5.3	4.0	.15
Hr. of Max	19	10	10	19	10	19	21	17	21
Min	2.5	.4	1.7	2.8	.8	3.1	-5.0	-2.7	-.66
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/4/2015

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	-.53	13.1	16.3	21.3	13.5	19.7	20.1	16.0
01:00	-.39	13.3	14.9	16.7	14.7	19.3	24.5	19.0
02:00	-.26	8.7	10.8	22.4	9.3	14.8	19.8	15.3
03:00	-.34	7.3	14.2	15.3	7.2	11.5	17.6	11.2
04:00	-.20	6.4	9.4	11.2	9.3	12.5	17.4	11.6
05:00	-.03	3.4	6.6	11.0	3.9	8.9	15.6	7.6
06:00	-.05	5.3	7.1	8.2	5.4	8.9	7.8	5.3
07:00	-.21	6.6	9.4	11.0	8.3	12.4	11.1	6.7
08:00	-.18	12.4	14.9	17.6	14.3	15.3	19.3	12.1
09:00	-.23	15.8	18.1	19.2	16.5	20.2	23.9	14.7
10:00	-.64	18.5	24.7	27.2	21.6	22.0	20.3	13.8
11:00	.06	16.3	19.2	18.8	17.2	19.7	24.1	20.3
12:00	-.35	16.0	20.6	17.9	16.6	18.5	26.4	25.2
13:00	-.70	17.2	20.8	20.4	18.1	21.0	22.8	20.2
14:00	-.53	17.9	19.5	28.4	19.5	20.6	22.8	18.8
15:00	-.30	14.4	15.3	17.4	17.3	19.5	22.0	20.8
16:00	-.17	11.7	14.2	14.7	16.9	15.6	21.7	20.7
17:00	.46	13.7	16.7	17.2	15.6	18.5	19.3	16.7
18:00	.49	13.5	27.5	27.2	14.3	19.7	22.3	12.7
19:00	-.23	11.9	17.2	18.3	14.0	18.7	20.8	8.7
20:00	-.03	8.0	16.0	24.7	7.5	14.7	15.3	5.1
21:00	.13	4.8	9.6	16.3	4.6	11.8	12.9	6.8
22:00	.16	2.1	7.3	9.8	2.3	10.4	10.2	5.0
23:00	.05	2.3	4.4	6.0	2.4	5.4	9.8	5.9
Avg	-.17	10.9	14.8	17.4	12.1	15.8	18.7	13.3
Max	.49	18.5	27.5	28.4	21.6	22.0	26.4	25.2
Hr. of Max	18	10	18	14	10	10	12	12
Min	-.70	2.1	4.4	6.0	2.3	5.4	7.8	5.0
Count	24	24	24	24	24	24	24	24
Total								