Date Printed: 03/18/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/17/2015

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	9.1	12.7	15.9	17.9	3.59	6.80	8.73 +	3.21	5.16
01:00	8.2	11.8	14.6	16.8	3.60	6.32	8.61	2.72	5.01
02:00	7.5	11.1	14.3	15.8	3.60	6.81	8.29	3.21	4.69
03:00	7.1	10.3	13.6	15.4	3.18	6.46	8.27	3.28	5.09
04:00	6.7	9.7	13.1	14.7	3.03	6.38	8.02	3.35	4.99
05:00	6.7	10.8	13.2	14.6	4.07	6.42	7.83	2.35	3.76
06:00	7.8	11.9	13.3	14.6	4.08	5.50	6.71	1.42	2.63
07:00	8.2	11.2	13.4	14.9	3.01	5.22	6.67	2.21	3.67
08:00	8.7	11.6	13.4	14.4	2.88	4.63	5.65	1.75	2.77
09:00	13.9	14.0	14.5	15.4	.16	.65	1.51	.49	1.34
10:00	18.3	17.8	17.5	17.4	-.55	-.83	-.93	-.28	-.39
11:00	20.7	19.8	19.5	19.3	-.86	-1.15	-1.33	-.29	-.47
12:00	22.1	21.2	20.9	20.8	-.89	-1.16	-1.31	-.26	-.41
13:00	24.1	23.2	22.8	22.7	-.95	-1.29	-1.42	-.34	-.47
14:00	25.1	23.9	23.5	23.4	-1.14	-1.52	-1.71	-.38	-.57
15:00	23.9	23.0	22.6	22.5	-.88	-1.25	-1.39	-.37	-.51
16:00	21.9	21.1	20.8	20.7	-.75	-1.05	-1.20	-.30	-.45
17:00	20.4	20.0	19.7	19.6	-.47	-.74	-.86	-.28	-.39
18:00	19.8	19.7	19.5	19.4	-.13	-.34	-.41	-.21	-.28
19:00	18.9	19.3	19.2	19.2	.38	.27	.29	-.11	-.09
20:00	17.6	18.3	18.3	18.3	.69	.68	.73	-.01	.04
21:00	16.0	17.0	17.0	17.0	.97	.99	1.03	.02	.05
22:00	14.1	15.1	15.1	15.2	1.00	1.01	1.05	.01	.05
23:00	12.7	13.3	13.2	13.3	.55	.51	.54	-.03	-.01
Avg	15.0	16.2	17.0	17.6	1.17	2.06	2.64	.88	1.47
Max	25.1	23.9	23.5	23.4	4.08	6.81	8.73	3.35	5.16
Hr. of Max	14	14	14	14	06	02	00	04	00
Min	6.7	9.7	13.1	13.3	-1.14	-1.52	-1.71	-.38	-.57
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/17/2015

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	3.7	1.7	5.5	13.3	69.5	47.8	6.1	5.3	0.005072
01:00	3.5	2.3	5.1	13.0	72.7	52.6	6.1	5.5	0.005001
02:00	3.5	2.4	4.9	12.7	76.7	55.6	6.1	5.6	0.005025
03:00	3.6	2.5	4.8	12.5	79.1	59.2	6.1	5.6	0.005049
04:00	3.6	3.3	4.6	12.2	81.5	65.1	6.1	6.0	0.005049
05:00	4.2	4.3	5.0	12.0	84.5	64.8	6.4	6.4	0.005259
06:00	5.1	5.1	6.0	11.7	83.6	63.9	6.8	6.7	0.005608
07:00	5.6	5.1	6.5	11.5	84.5	66.8	7.0	6.7	0.005807
08:00	6.3	6.1	7.1	11.4	85.4	69.6	7.3	7.2	0.006083
09:00	8.0	7.0	10.0	11.2	69.0	63.3	8.2	7.6	0.006905
10:00	10.2	9.5	12.9	11.3	60.0	59.5	9.3	8.9	0.007998
11:00	10.7	10.4	14.0	11.6	53.9	55.5	9.6	9.4	0.008312
12:00	10.5	10.0	14.4	12.2	48.8	49.7	9.4	9.1	0.008226
13:00	10.0	9.6	14.7	13.0	41.8	43.0	9.1	8.8	0.007967
14:00	9.9	9.6	14.9	13.8	39.2	41.2	9.0	8.8	0.007907
15:00	9.8	9.6	14.5	14.5	41.7	43.5	8.9	8.9	0.007833
16:00	9.5	9.4	13.6	15.0	46.3	48.2	8.8	8.8	0.007683
17:00	8.8	8.8	12.7	15.3	48.2	49.3	8.5	8.4	0.007323
18:00	8.1	8.0	12.0	15.4	47.5	47.7	8.1	8.0	0.006948
19:00	7.8	7.6	11.5	15.4	49.4	47.6	7.9	7.8	0.006824
20:00	6.9	6.5	10.5	15.2	50.3	46.7	7.5	7.2	0.006384
21:00	5.9	5.3	9.3	15.0	51.9	46.9	7.0	6.7	0.005954
22:00	4.3	3.8	7.6	14.7	52.5	47.5	6.3	6.1	0.005323
23:00	2.1	1.7	5.6	14.4	49.0	46.0	5.4	5.3	0.004543
Avg	6.7	6.2	9.5	13.3	61.1	53.4	7.5	7.3	0.00642
Max	10.7	10.4	14.9	15.4	85.4	69.6	9.6	9.4	0.008312
Hr. of Max	11	11	14	19	08	08	11	11	11
Min	2.1	1.7	4.6	11.2	39.2	41.2	5.4	5.3	0.004543
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/17/2015

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	0.004434	8.0	7.0	.00	29.11	985.8	-2.5	.00	228.7
01:00	0.004612	7.9	7.3	.00	29.10	985.5	-2.8	.00	222.8
02:00	0.004646	7.9	7.3	.00	29.10	985.4	-2.2	.00	240.4
03:00	0.004688	7.9	7.4	.00	29.09	985.2	-2.4	.00	231.7
04:00	0.004954	7.9	7.8	.00	29.08	984.9	-1.8	.00	232.3
05:00	0.005313	8.3	8.3	.00	29.09	985.1	-3.0	.00	229.9
06:00	0.00564	8.8	8.9	.00	29.09	985.0	-1.8	.00	240.6
07:00	0.005618	9.1	8.8	.00	29.09	985.0	.9	.00	220.9
08:00	0.006019	9.5	9.4	.00	29.09	985.1	76.3	.11	205.9
09:00	0.006421	10.8	10.1	.00	29.08	985.0	333.8	.48	181.9
10:00	0.00766	12.5	12.0	.00	29.08	984.7	535.4	.77	240.6
11:00	0.008116	13.0	12.7	.00	29.07	984.4	690.8	.99	263.9
12:00	0.00793	12.8	12.4	.00	29.05	983.9	778.2	1.12	249.9
13:00	0.007736	12.4	12.1	.00	29.05	983.6	849.4	1.22	277.6
14:00	0.007768	12.3	12.1	.00	29.04	983.4	860.2	1.23	272.9
15:00	0.007744	12.2	12.1	.00	29.05	983.8	733.7	1.05	285.0
16:00	0.007634	12.0	11.9	.00	29.08	984.8	549.3	.79	299.5
17:00	0.007278	11.5	11.4	.00	29.10	985.4	305.0	.44	351.4
18:00	0.006928	10.9	10.9	.00	29.11	985.8	115.1	.16	.6
19:00	0.006739	10.7	10.6	.00	29.12	986.2	20.4	.03	339.8
20:00	0.006201	10.0	9.7	.00	29.14	986.9	-1.6	.00	358.1
21:00	0.005736	9.4	9.0	.00	29.17	987.9	-2.2	.00	12.2
22:00	0.005143	8.4	8.1	.00	29.19	988.7	-2.4	.00	34.3
23:00	0.004421	7.2	7.0	.00	29.20	989.0	-1.8	.00	52.7
Avg	0.006224	10.1	9.8	.00	29.10	985.4	242.7	.35	267.0
Max	0.008116	13.0	12.7	.00	29.20	989.0	860.2	1.23	358.1
Hr. of Max	11	11	11	23	23	23	14	14	20
Min	0.004421	7.2	7.0	.00	29.04	983.4	-3.0	.00	.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/17/2015

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	235.9	231.3	229.2	233.4	20.3	9.6	6.6	1.0	3.4
01:00	236.3	238.1	225.4	239.6	33.9	11.7	3.9	.5	2.8
02:00	230.8	230.4	240.9	232.5	27.2	6.7	6.2	1.0	4.7
03:00	227.2	248.0	233.4	249.4	23.3	3.2	7.0	.8	4.5
04:00	227.3	241.4	235.5	242.6	12.5	5.7	4.7	1.5	5.7
05:00	232.1	240.9	234.6	242.5	7.1	6.3	5.4	3.7	5.9
06:00	248.5	219.8	240.3	222.5	18.7	9.7	6.7	.9	3.7
07:00	246.6	221.6	223.6	223.7	16.6	11.9	9.5	1.3	1.9
08:00	243.6	230.0	211.9	231.5	67.8	29.1	13.4	1.0	2.4
09:00	211.4	227.6	188.3	229.2	30.9	17.3	9.0	1.8	3.3
10:00	253.2	258.8	246.2	258.9	36.3	30.8	28.5	3.7	4.8
11:00	268.5	270.7	266.5	270.0	34.8	25.6	23.8	4.9	6.3
12:00	263.6	260.6	253.4	261.5	45.2	37.2	34.2	4.0	4.7
13:00	283.7	286.3	281.6	284.5	35.2	26.2	23.7	6.2	8.2
14:00	282.2	284.4	277.1	282.6	31.4	29.5	24.3	6.3	8.3
15:00	296.7	301.0	286.9	298.8	40.2	31.4	27.1	6.6	8.8
16:00	310.7	316.0	301.2	312.6	43.4	36.4	32.4	6.7	8.5
17:00	355.0	351.8	352.2	347.2	40.4	30.9	27.2	4.8	7.7
18:00	1.4	354.8	359.8	350.2	38.3	26.6	24.0	3.9	6.3
19:00	346.4	344.0	338.5	339.1	35.9	33.6	24.9	2.4	3.6
20:00	1.5	354.6	356.9	349.6	32.6	21.4	20.7	2.6	5.1
21:00	15.7	10.5	14.3	5.7	34.4	20.4	19.5	3.7	6.7
22:00	34.2	36.1	32.2	31.0	37.1	19.4	16.0	2.4	5.8
23:00	47.1	42.4	54.4	37.5	34.5	20.5	16.4	3.6	6.8
Avg	277.0	278.0	270.0	278.0	32.4	20.9	17.3	.0	.0
Max	355.0	354.8	359.8	350.2	67.8	37.2	34.2	6.7	8.8
Hr. of Max	17	18	18	18	08	12	12	16	15
Min	1.4	10.5	14.3	5.7	7.1	3.2	3.9	.5	1.9
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)

3/17/2015

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	5.6	1.1	3.5	5.7	1.7	6.1	1.4	1.0	.03
01:00	6.1	.6	2.9	6.1	1.1	6.6	1.9	2.1	.03
02:00	5.5	1.0	4.8	5.5	1.6	6.0	2.1	2.4	.02
03:00	5.8	.8	4.6	5.9	1.3	6.2	2.4	1.8	.05
04:00	6.1	1.5	5.8	6.1	2.0	6.6	.9	2.6	.03
05:00	8.0	3.7	6.0	8.1	4.2	8.6	-.3	1.9	-.05
06:00	6.3	1.0	3.8	6.4	1.4	6.8	1.9	.9	.03
07:00	4.3	1.3	2.0	4.4	1.8	4.8	1.6	.6	.02
08:00	4.1	1.5	2.6	4.3	1.9	4.7	3.0	.6	.06
09:00	5.2	2.1	3.4	5.4	2.5	5.9	1.9	2.8	.05
10:00	5.5	4.9	5.8	6.3	5.4	7.0	-.4	1.8	-.22
11:00	7.1	5.7	7.0	7.8	6.3	8.5	3.7	.3	.04
12:00	5.2	5.3	5.9	6.4	5.9	7.0	.8	-2.4	-.17
13:00	9.7	7.2	9.0	10.4	7.8	11.0	-1.0	-4.5	-.63
14:00	10.2	7.1	9.2	11.0	7.7	11.5	-.1	.0	-.34
15:00	10.7	7.9	9.9	11.6	8.5	12.2	-.6	2.1	-.42
16:00	9.9	8.4	10.2	11.4	9.2	12.3	-2.4	-1.1	-.81
17:00	9.0	6.1	8.8	10.1	7.0	11.0	-2.8	-1.9	-.66
18:00	8.1	4.7	7.0	8.8	5.4	9.5	-4.3	-1.0	-.66
19:00	4.9	2.7	4.0	5.3	3.2	5.8	-2.2	.4	-.31
20:00	6.8	3.0	5.5	7.3	3.6	7.9	-4.2	.6	-.45
21:00	8.2	4.2	7.1	8.7	4.8	9.4	-1.9	-2.4	-.38
22:00	7.8	2.9	6.1	8.2	3.5	8.7	-.9	.3	-.26
23:00	9.1	4.2	7.4	9.8	4.7	10.5	1.9	2.2	-.05
Avg	.0	3.7	5.9	7.5	4.3	8.1	.1	.5	-.21
Max	10.7	8.4	10.2	11.6	9.2	12.3	3.7	2.8	.06
Hr. of Max	15	16	16	15	16	16	11	09	08
Min	4.1	.6	2.0	4.3	1.1	4.7	-4.3	-4.5	-.81
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/17/2015

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	.10	3.0	6.2	11.7	3.5	8.0	5.5	2.1
01:00	.24	1.8	6.6	13.5	2.4	8.7	7.1	1.8
02:00	.24	3.4	8.9	12.1	4.3	8.3	8.0	2.7
03:00	.20	2.1	7.3	11.9	2.7	8.8	7.3	2.3
04:00	.29	3.9	12.6	10.1	4.4	10.8	5.4	2.8
05:00	.28	7.6	9.2	14.7	7.3	13.2	4.1	3.0
06:00	.11	6.4	9.8	19.7	3.6	11.0	9.0	2.1
07:00	.05	4.8	3.9	10.5	5.1	7.6	6.6	2.9
08:00	.08	9.2	7.6	8.9	5.5	7.8	9.8	4.9
09:00	.26	7.1	7.1	7.8	7.5	8.4	16.1	6.5
10:00	.03	14.9	15.8	16.5	16.9	18.1	19.3	17.6
11:00	-.16	16.7	18.5	18.1	17.1	20.9	22.8	18.3
12:00	-.54	13.3	13.3	14.4	13.4	15.6	21.2	21.4
13:00	-1.34	17.9	21.8	23.6	21.3	24.5	20.4	16.8
14:00	-.59	24.7	22.9	24.7	20.8	24.4	21.1	17.1
15:00	-.28	21.3	26.3	26.8	22.6	27.3	21.9	19.7
16:00	-.90	24.0	30.9	35.3	27.4	28.8	20.5	20.3
17:00	-.63	15.8	19.5	27.9	18.3	25.6	20.4	15.9
18:00	-.51	19.2	18.5	28.6	19.0	20.7	21.6	15.4
19:00	-.20	16.0	16.9	19.7	9.7	14.9	22.1	17.7
20:00	-.05	9.2	16.5	15.6	12.4	17.5	20.5	12.3
21:00	-.44	13.7	15.6	22.2	14.6	20.3	19.4	9.7
22:00	-.04	10.3	14.2	17.6	12.7	19.3	22.3	10.2
23:00	.22	13.5	16.7	22.7	14.5	21.0	23.7	11.3
Avg	-.15	11.7	14.4	18.1	12.0	16.3	15.7	10.6
Max	.29	24.7	30.9	35.3	27.4	28.8	23.7	21.4
Hr. of Max	04	14	16	16	16	16	23	12
Min	-1.34	1.8	3.9	7.8	2.4	7.6	4.1	1.8
Count	24	24	24	24	24	24	24	24
Total								