Date Printed: 08/23/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/22/2015

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	17.6	18.6	18.9	19.3	1.00	1.31	1.72	.31	.72
01:00	17.3	18.2	18.5	18.8	.95	1.16	1.47	.21	.53
02:00	16.8	17.8	18.1	18.4	.96	1.27	1.58	.30	.61
03:00	17.1	17.8	17.9	18.2	.67	.81	1.09	.14	.42
04:00	17.0	17.8	17.9	18.3	.82	.92	1.29	.11	.48
05:00	16.8	17.8	17.8	18.1	1.01	1.03	1.33	.02	.32
06:00	16.8	17.6	17.8	18.1	.84	1.00	1.30	.16	.45
07:00	16.6	17.6	17.7	18.0	1.03	1.08	1.37	.06	.34
08:00	18.3	18.2	18.4	18.4	-.04	.06	.14	.10	.18
09:00	21.0	20.7	20.5	20.4	-.30	-.54	-.63	-.24	-.33
10:00	22.6	22.1	21.8	21.7	-.47	-.72	-.84	-.25	-.37
11:00	23.7	23.0	22.7	22.6	-.72	-.99	-1.11	-.27	-.39
12:00	25.3	24.6	24.4	24.2	-.72	-.95	-1.09	-.23	-.37
13:00	27.5	26.5	26.3	26.1	-.95	-1.18	-1.33	-.23	-.38
14:00	27.5	26.9	26.6	26.5	-.69	-.96	-1.05	-.27	-.35
15:00	27.5	27.0	26.7	26.6	-.53	-.78	-.90	-.24	-.37
16:00	28.3	27.6	27.3	27.2	-.69	-.95	-1.07	-.26	-.37
17:00	28.4	27.9	27.7	27.5	-.45	-.73	-.90	-.28	-.45
18:00	27.1	27.3	27.4	27.4	.20	.37	.32	.17	.12
19:00	24.7	25.0	25.9	26.4	.34	1.17	1.67	.83	1.33
20:00	23.1	23.8	24.7	25.0	.66	1.51	1.82	.85	1.16
21:00	22.2	22.9	23.6	24.1	.79	1.47	1.98	.68	1.18
22:00	22.0	22.6	23.1	23.5	.56	1.03	1.49	.48	.94
23:00	21.9	22.1	22.4	22.7	.20	.48	.79	.28	.59
Avg	22.0	22.1	22.3	22.4	.19	.29	.44	.10	.25
Max	28.4	27.9	27.7	27.5	1.03	1.51	1.98	.85	1.33
Hr. of Max	17	17	17	17	07	20	21	20	19
Min	16.6	17.6	17.7	18.0	-.95	-1.18	-1.33	-.28	-.45
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/22/2015

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	16.4	16.9	16.8	25.0	94.3	91.8	13.9	14.4	0.011979
01:00	16.1	16.9	16.5	24.9	94.4	93.8	13.7	14.4	0.01176
02:00	15.6	16.7	16.0	24.7	94.2	95.5	13.3	14.2	0.011392
03:00	16.1	16.6	16.4	24.6	95.5	94.6	13.7	14.1	0.011783
04:00	16.0	16.2	16.3	24.5	95.4	91.8	13.6	13.7	0.011679
05:00	15.8	16.0	16.1	24.3	95.6	91.0	13.4	13.6	0.011542
06:00	15.8	16.0	16.1	24.2	95.4	91.8	13.4	13.6	0.01151
07:00	15.6	15.9	15.9	24.1	95.5	91.4	13.3	13.5	0.011368
08:00	16.5	15.9	17.1	23.9	90.9	87.8	14.0	13.5	0.01204
09:00	16.6	15.8	18.1	23.8	77.6	75.0	14.0	13.3	0.012178
10:00	16.8	16.1	18.7	23.8	71.4	70.1	14.1	13.5	0.012314
11:00	17.1	16.3	19.3	23.8	67.9	67.3	14.3	13.6	0.012555
12:00	17.4	16.6	20.0	23.8	63.1	62.6	14.5	13.9	0.012841
13:00	18.1	17.2	21.2	23.9	58.2	58.2	15.1	14.3	0.013449
14:00	18.5	17.9	21.5	24.1	59.5	59.4	15.5	14.9	0.013849
15:00	19.4	18.8	22.1	24.3	63.0	62.6	16.4	15.8	0.014634
16:00	18.5	17.8	21.8	24.5	57.1	56.8	15.5	14.8	0.013853
17:00	18.5	17.7	21.8	24.7	56.5	55.3	15.4	14.7	0.013812
18:00	19.1	18.5	21.8	24.9	63.8	60.5	16.1	15.5	0.01439
19:00	20.5	20.1	21.9	25.0	79.9	76.1	17.7	17.2	0.015714
20:00	20.3	20.4	21.2	25.1	86.2	83.6	17.5	17.6	0.015455
21:00	19.8	20.2	20.6	25.2	88.6	86.8	17.0	17.4	0.014958
22:00	20.2	20.5	20.8	25.2	91.9	90.5	17.5	17.8	0.015385
23:00	20.5	20.9	21.0	25.2	94.2	95.1	17.8	18.2	0.015655
Avg	17.7	17.6	19.1	24.5	80.4	78.7	15.0	14.9	0.013171
Max	20.5	20.9	22.1	25.2	95.6	95.5	17.8	18.2	0.015714
Hr. of Max	23	23	15	23	05	02	23	23	19
Min	15.6	15.8	15.9	23.8	56.5	55.3	13.3	13.3	0.011368
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/22/2015

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	0.012423	18.7	19.3	.00	29.18	988.1	-3.0	.00	22.4
01:00	0.012409	18.3	19.3	.00	29.17	987.9	-3.4	.00	350.7
02:00	0.012266	17.8	19.1	.00	29.16	987.6	-2.6	.00	339.9
03:00	0.012172	18.4	18.9	.00	29.15	987.1	-2.2	.00	54.2
04:00	0.011833	18.2	18.4	.00	29.14	986.9	-.9	.00	41.8
05:00	0.011704	18.0	18.2	.00	29.15	987.2	-1.3	.00	37.9
06:00	0.011673	17.9	18.2	.00	29.17	987.7	-1.2	.00	52.9
07:00	0.01161	17.7	18.1	.00	29.18	988.3	25.3	.04	47.1
08:00	0.011592	18.8	18.1	.00	29.21	989.3	209.3	.30	235.4
09:00	0.011562	19.0	18.1	.00	29.22	989.4	359.7	.52	89.5
10:00	0.011748	19.2	18.3	.00	29.22	989.4	445.0	.64	94.1
11:00	0.011923	19.6	18.6	.00	29.21	989.3	603.3	.86	101.7
12:00	0.012205	20.0	19.0	.00	29.21	989.1	769.6	1.10	135.7
13:00	0.012726	20.9	19.8	.00	29.19	988.5	899.3	1.29	236.3
14:00	0.013263	21.5	20.6	.00	29.17	987.8	530.6	.76	226.2
15:00	0.014084	22.7	21.9	.00	29.16	987.4	461.9	.66	223.2
16:00	0.013216	21.5	20.5	.00	29.14	986.8	656.2	.94	213.4
17:00	0.013169	21.4	20.4	.00	29.13	986.4	456.0	.65	193.5
18:00	0.013823	22.3	21.4	.00	29.11	986.0	161.3	.23	238.4
19:00	0.015275	24.3	23.6	.00	29.10	985.6	63.5	.09	311.0
20:00	0.015588	23.9	24.1	.00	29.10	985.4	2.8	.00	293.7
21:00	0.015378	23.2	23.8	.00	29.12	986.1	-1.9	.00	269.0
22:00	0.015671	23.8	24.3	.00	29.14	986.8	-2.5	.00	278.2
23:00	0.015998	24.2	24.7	.00	29.14	986.7	-2.2	.00	254.9
Avg	0.013055	20.5	20.3	.00	29.16	987.5	234.3	.34	301.0
Max	0.015998	24.3	24.7	.00	29.22	989.4	899.3	1.29	350.7
Hr. of Max	23	19	23	23	10	10	13	13	01
Min	0.011562	17.7	18.1	.00	29.10	985.4	-3.4	.00	22.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/22/2015

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	67.0	56.9	30.4	54.0	27.7	12.8	4.1	1.1	2.4
01:00	70.5	55.0	358.0	52.6	31.1	10.4	4.1	.5	1.5
02:00	66.5	53.5	341.0	52.9	15.1	12.4	7.7	.5	.7
03:00	62.4	58.3	55.7	54.2	14.5	9.8	6.1	2.0	3.8
04:00	59.4	66.3	43.0	62.8	14.0	10.0	7.5	2.0	3.3
05:00	52.3	62.5	38.6	59.3	15.9	11.8	7.7	1.7	2.7
06:00	59.6	63.1	56.5	59.5	19.3	9.7	6.2	1.4	3.2
07:00	67.6	63.8	48.9	60.5	16.9	8.6	7.5	.9	1.9
08:00	178.7	122.6	233.3	118.0	41.0	28.2	36.5	1.1	.8
09:00	79.0	64.2	90.4	62.6	27.3	24.3	25.7	2.6	2.8
10:00	89.1	77.1	97.8	74.4	24.1	24.1	24.6	3.5	3.6
11:00	105.7	104.2	104.1	100.9	21.9	17.3	17.3	3.7	4.0
12:00	123.9	122.7	123.5	122.4	61.9	56.1	63.2	.8	.6
13:00	235.1	235.7	241.2	235.1	62.7	52.8	46.4	1.5	2.0
14:00	232.8	231.7	230.9	232.8	35.2	34.0	30.1	2.3	2.6
15:00	235.7	235.7	224.1	231.9	45.1	53.1	46.8	1.8	1.9
16:00	217.8	225.6	217.4	225.9	42.8	36.5	29.8	2.1	2.6
17:00	204.7	213.9	194.8	215.6	26.9	27.0	28.1	2.8	3.2
18:00	217.4	219.0	240.7	219.0	25.3	25.0	19.5	1.5	2.0
19:00	77.7	111.1	312.5	107.3	37.0	18.5	16.7	.6	.9
20:00	62.3	91.1	291.9	87.3	36.2	23.4	16.1	1.1	.5
21:00	221.1	235.6	264.9	231.0	35.2	47.3	32.4	1.0	1.5
22:00	151.6	232.6	275.6	220.8	39.3	42.6	49.1	.8	.6
23:00	218.7	232.8	255.2	232.6	38.0	34.9	12.5	1.0	1.5
Avg	116.0	113.0	304.0	110.0	31.4	26.3	22.7	.0	.0
Max	235.7	235.7	358.0	235.1	62.7	56.1	63.2	3.7	4.0
Hr. of Max	15	15	01	13	13	12	12	11	11
Min	52.3	53.5	30.4	52.6	14.0	8.6	4.1	.5	.5
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)

8/22/2015

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	3.8	1.2	2.4	3.8	1.4	4.0	.0	1.8	-.04
01:00	2.5	.6	1.5	2.5	.8	2.7	-.8	2.9	-.03
02:00	1.0	.7	.7	1.0	.9	1.3	1.9	.1	.04
03:00	5.6	2.1	3.9	5.6	2.2	5.9	-3.2	-.2	-.16
04:00	4.9	2.1	3.3	4.9	2.1	5.2	-2.7	.3	-.17
05:00	4.1	1.8	2.7	4.2	1.8	4.4	-2.8	.3	-.12
06:00	5.1	1.6	3.3	5.2	1.8	5.4	-2.2	-.3	-.12
07:00	3.1	.9	1.9	3.1	1.0	3.4	.7	-.3	-.03
08:00	.3	1.4	1.4	.9	1.8	1.2	2.3	-.4	.05
09:00	3.1	2.9	3.1	3.4	3.5	3.8	.7	7.6	.03
10:00	3.6	3.8	3.9	3.9	4.3	4.5	2.7	9.7	.12
11:00	4.0	3.9	4.1	4.2	4.4	4.7	.2	.4	.04
12:00	.5	2.0	1.9	1.8	2.6	2.5	-3.4	-4.9	-.10
13:00	2.2	2.5	2.8	3.0	3.1	3.6	3.6	6.0	.11
14:00	2.9	2.9	3.1	3.4	3.3	4.0	.7	-4.5	-.02
15:00	2.1	2.3	2.7	2.8	2.8	3.3	-.2	8.7	-.08
16:00	3.1	2.6	3.1	3.3	3.1	4.0	-.6	-6.6	-.16
17:00	3.3	3.0	3.4	3.5	3.6	3.9	-1.1	-3.0	-.06
18:00	2.0	1.9	2.1	2.1	2.2	2.4	-1.1	-7.2	-.11
19:00	1.1	.7	1.0	1.3	1.0	1.6	4.3	1.2	.07
20:00	1.2	1.3	1.3	1.3	1.5	1.6	2.2	.7	.04
21:00	1.9	1.3	1.7	1.9	1.6	2.2	.7	.0	.00
22:00	1.2	1.1	.9	1.3	1.5	1.7	.2	.6	.01
23:00	2.2	1.0	1.5	2.3	1.3	2.6	-.1	-1.0	-.03
Avg	.0	1.9	2.4	2.9	2.2	3.3	.1	.5	-.03
Max	5.6	3.9	4.1	5.6	4.4	5.9	4.3	9.7	.12
Hr. of Max	03	11	11	03	11	03	19	10	10
Min	.3	.6	.7	.9	.8	1.2	-3.4	-7.2	-.17
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/22/2015

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	.13	3.7	4.4	5.5	3.7	5.7	11.3	3.2
01:00	.13	3.0	4.4	5.5	2.7	5.0	8.1	3.8
02:00	.03	2.1	2.7	3.4	1.9	3.0	7.5	6.1
03:00	-.05	4.4	7.6	9.8	4.7	10.7	10.7	3.8
04:00	.00	4.4	5.7	12.6	4.6	9.0	10.2	5.5
05:00	.01	3.9	6.4	10.5	5.1	8.0	9.1	5.6
06:00	-.05	4.4	11.2	12.4	4.6	8.9	11.9	4.7
07:00	-.04	3.2	4.1	6.0	3.5	6.3	9.5	6.6
08:00	-.01	4.1	3.2	3.2	4.9	3.9	16.6	14.5
09:00	.42	7.1	7.8	8.0	7.8	9.7	18.9	18.5
10:00	.66	9.4	8.7	8.2	10.2	9.6	16.3	17.4
11:00	.08	8.0	8.5	8.0	8.9	8.5	17.4	20.0
12:00	-.16	6.6	7.1	6.9	7.0	6.7	28.9	36.8
13:00	.31	10.8	8.2	7.8	8.5	8.0	29.5	30.7
14:00	-.36	9.2	9.8	10.1	8.3	10.8	21.5	22.1
15:00	.24	7.8	8.5	6.9	9.0	9.5	22.2	26.3
16:00	-.64	7.1	9.4	7.1	7.6	8.7	23.4	25.3
17:00	-.29	9.4	7.8	7.1	7.9	8.1	19.7	22.1
18:00	-.34	8.5	8.2	6.9	5.8	5.7	11.9	12.9
19:00	.05	2.7	2.7	3.4	2.3	3.8	11.2	5.9
20:00	.03	3.4	3.4	3.2	3.7	3.4	9.1	5.6
21:00	-.01	3.0	4.4	4.1	3.5	4.4	7.0	5.8
22:00	.04	3.9	3.0	4.4	3.0	4.5	7.2	6.7
23:00	-.05	3.0	4.4	5.5	3.6	5.9	6.9	5.0
Avg	.01	5.5	6.3	6.9	5.5	7.0	14.4	13.1
Max	.66	10.8	11.2	12.6	10.2	10.8	29.5	36.8
Hr. of Max	10	13	06	04	10	14	13	12
Min	-.64	2.1	2.7	3.2	1.9	3.0	6.9	3.2
Count	24	24	24	24	24	24	24	24
Total								