Date Printed: 07/11/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/10/2015

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	22.0	23.3	24.1	24.9	1.27	2.07	2.85	.81	1.59
01:00	21.4	22.7	23.2	24.3	1.27	1.77	2.84	.50	1.57
02:00	21.0	22.1	22.5	23.5	1.13	1.57	2.51	.43	1.38
03:00	20.4	21.5	22.0	22.6	1.06	1.56	2.17	.50	1.11
04:00	19.9	20.9	21.3	22.1	.95	1.38	2.12	.43	1.17
05:00	19.4	20.5	20.9	21.5	1.10	1.47	2.11	.37	1.02
06:00	19.2	20.2	20.6	21.3	.99	1.46	2.16	.47	1.17
07:00	20.0	20.3	20.9	21.7	.28	.89	1.62	.61	1.34
08:00	22.6	22.5	22.4	22.4	-.16	-.26	-.23	-.10	-.08
09:00	25.0	24.5	24.2	24.1	-.49	-.74	-.83	-.24	-.34
10:00	27.2	26.7	26.4	26.3	-.47	-.82	-.93	-.35	-.46
11:00	29.4	28.6	28.3	28.1	-.71	-1.07	-1.25	-.36	-.54
12:00	30.0	29.3	29.0	28.9	-.69	-1.01	-1.09	-.32	-.40
13:00	31.2	30.4	30.1	30.0	-.76	-1.07	-1.14	-.31	-.37
14:00	32.3	31.3	31.0	30.9	-1.00	-1.32	-1.41	-.32	-.41
15:00	32.7	31.7	31.3	31.2	-.99	-1.37	-1.47	-.38	-.48
16:00	32.6	31.8	31.5	31.3	-.79	-1.16	-1.29	-.38	-.50
17:00	32.5	31.9	31.6	31.5	-.57	-.86	-1.03	-.29	-.46
18:00	32.1	31.6	31.4	31.3	-.46	-.68	-.76	-.22	-.30
19:00	29.4	30.2	30.4	30.7	.82	1.01	1.27	.19	.45
20:00	26.5	28.0	28.6	29.2	1.47	2.12	2.72	.65	1.25
21:00	24.3	26.1	27.2	27.9	1.79	2.86	3.58	1.07	1.80
22:00	23.5	25.2	26.1	26.8	1.73	2.64	3.39	.91	1.66
23:00	25.2	26.1	26.2	26.3	.89	.94	1.07	.05	.18
Avg	25.8	26.1	26.3	26.6	.32	.47	.79	.16	.47
Max	32.7	31.9	31.6	31.5	1.79	2.86	3.58	1.07	1.80
Hr. of Max	15	17	17	17	21	21	21	21	21
Min	19.2	20.2	20.6	21.3	-1.00	-1.37	-1.47	-.38	-.54
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/10/2015

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	20.2	20.5	20.8	27.5	91.5	86.7	17.4	17.7	0.015297
01:00	19.8	20.3	20.3	27.2	92.7	88.5	17.0	17.5	0.01492
02:00	19.5	20.3	20.0	26.9	93.3	92.1	16.7	17.6	0.014591
03:00	19.0	20.2	19.5	26.7	93.8	94.8	16.3	17.5	0.014189
04:00	18.6	19.9	19.1	26.4	94.2	96.7	15.9	17.2	0.013829
05:00	18.2	19.6	18.6	26.1	94.5	96.9	15.5	16.9	0.013418
06:00	17.9	19.3	18.4	25.9	94.6	97.2	15.3	16.6	0.013231
07:00	18.6	19.3	19.1	25.6	93.6	96.3	15.9	16.6	0.01382
08:00	20.1	19.8	21.0	25.4	87.9	86.8	17.3	16.9	0.015199
09:00	20.3	19.9	21.9	25.2	77.5	77.7	17.4	17.0	0.015386
10:00	20.9	20.3	23.0	25.2	70.3	69.6	17.9	17.3	0.015972
11:00	21.0	20.4	23.8	25.5	62.8	62.8	18.0	17.3	0.01615
12:00	21.1	20.5	24.0	26.2	60.7	61.1	18.0	17.5	0.016207
13:00	20.5	20.0	24.0	26.9	54.7	55.3	17.3	16.8	0.015643
14:00	19.1	18.7	23.5	27.5	47.2	48.7	15.9	15.5	0.014381
15:00	18.6	18.1	23.3	27.9	44.9	45.8	15.4	14.9	0.013989
16:00	18.9	18.4	23.5	28.1	45.9	46.4	15.7	15.2	0.014261
17:00	19.0	18.7	23.5	28.4	46.5	46.9	15.8	15.5	0.014369
18:00	19.8	19.4	23.9	28.7	49.9	49.7	16.6	16.1	0.015087
19:00	21.1	20.4	23.9	28.9	63.3	57.5	18.1	17.2	0.016338
20:00	21.6	21.0	23.2	28.9	76.7	67.8	18.7	18.0	0.016742
21:00	20.8	20.4	21.9	28.8	82.9	73.1	17.9	17.5	0.015875
22:00	20.6	21.0	21.6	28.5	86.3	80.0	17.8	18.2	0.015715
23:00	20.0	19.4	21.8	28.3	74.9	68.4	17.1	16.5	0.015172
Avg	19.8	19.8	21.8	27.1	74.2	72.8	16.9	16.9	0.014991
Max	21.6	21.0	24.0	28.9	94.6	97.2	18.7	18.2	0.016742
Hr. of Max	20	22	13	20	06	06	20	22	20
Min	17.9	18.1	18.4	25.2	44.9	45.8	15.3	14.9	0.013231
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)

7/10/2015

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	0.015646	23.7	24.3	.00	29.21	989.0	-3.0	.00	285.9
01:00	0.015395	23.2	23.9	.00	29.21	989.2	-1.8	.00	338.2
02:00	0.015432	22.7	23.9	.00	29.20	989.0	-2.9	.00	336.6
03:00	0.015302	22.1	23.7	.00	29.20	989.0	-1.7	.00	298.5
04:00	0.015046	21.5	23.4	.00	29.21	989.0	-2.5	.00	258.6
05:00	0.014723	20.9	22.9	.00	29.22	989.5	-2.0	.00	276.4
06:00	0.01446	20.6	22.5	.00	29.24	990.1	7.0	.01	294.1
07:00	0.014461	21.5	22.5	.00	29.25	990.6	93.0	.13	226.7
08:00	0.01485	23.6	23.1	.00	29.27	991.2	305.9	.44	207.0
09:00	0.014976	23.9	23.3	.00	29.28	991.6	513.7	.74	219.1
10:00	0.015369	24.8	23.9	.00	29.28	991.6	706.5	1.01	197.5
11:00	0.015508	25.1	24.1	.00	29.28	991.4	850.0	1.22	221.5
12:00	0.015679	25.2	24.4	.00	29.26	991.0	778.6	1.12	208.2
13:00	0.015145	24.3	23.5	.00	29.25	990.4	910.6	1.31	220.5
14:00	0.014019	22.4	21.8	.00	29.23	989.8	992.5	1.42	240.9
15:00	0.013499	21.8	21.0	.00	29.21	989.2	929.8	1.33	230.3
16:00	0.013801	22.2	21.5	.00	29.19	988.7	576.3	.83	238.2
17:00	0.014039	22.3	21.8	.00	29.18	988.2	495.4	.71	232.9
18:00	0.014638	23.4	22.7	.00	29.17	988.0	334.1	.48	249.0
19:00	0.01558	25.3	24.1	.00	29.17	988.0	182.9	.26	256.2
20:00	0.016142	25.9	25.0	.00	29.18	988.2	16.8	.02	269.3
21:00	0.015565	24.6	24.1	.00	29.19	988.6	-1.7	.00	284.8
22:00	0.01616	24.4	25.0	.00	29.20	988.9	-2.1	.00	254.1
23:00	0.014632	23.6	22.7	.00	29.21	989.1	-2.3	.00	276.5
Avg	0.015003	23.3	23.3	.00	29.22	989.6	319.7	.46	253.0
Max	0.01616	25.9	25.0	.00	29.28	991.6	992.5	1.42	338.2
Hr. of Max	22	20	22	23	11	10	14	14	01
Min	0.013499	20.6	21.0	.00	29.17	988.0	-3.0	.00	197.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/10/2015

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	227.6	234.9	278.5	236.7	15.8	3.8	4.8	.6	3.6
01:00	222.3	245.3	338.8	246.5	25.2	20.9	5.2	.5	1.2
02:00	56.3	206.6	326.0	206.4	29.8	36.8	22.1	.5	.7
03:00	275.0	202.5	293.5	202.5	53.0	22.6	18.2	.5	.7
04:00	57.1	258.5	260.4	259.8	16.6	43.6	11.0	.5	.0
05:00	250.8	231.0	267.6	232.3	28.1	37.1	24.9	.7	.7
06:00	258.1	219.5	287.3	222.3	66.6	50.1	21.6	.4	1.0
07:00	243.4	228.4	235.9	230.5	41.4	36.3	12.1	1.5	1.8
08:00	215.7	221.1	212.3	223.3	21.5	13.7	10.0	2.0	2.7
09:00	227.0	225.3	225.5	227.0	23.2	18.6	15.8	3.1	3.6
10:00	205.5	207.2	203.2	208.0	29.3	25.1	23.2	3.0	3.4
11:00	231.9	230.2	225.2	231.3	37.8	33.5	27.6	3.0	3.8
12:00	213.3	215.1	214.3	216.7	27.9	21.7	20.2	4.8	6.1
13:00	229.4	231.1	226.4	232.5	30.4	23.6	18.3	4.5	6.0
14:00	244.2	245.8	244.6	246.7	32.5	24.3	20.5	5.1	6.6
15:00	234.5	232.4	235.7	234.3	29.2	23.6	18.0	5.3	7.3
16:00	244.9	242.5	244.0	244.7	27.3	22.0	18.4	4.9	6.7
17:00	236.2	233.3	239.0	235.6	24.3	16.7	12.5	5.3	7.3
18:00	252.6	251.5	252.8	253.4	24.0	17.4	14.2	3.6	5.3
19:00	243.0	244.0	258.8	245.4	21.6	8.4	6.1	1.9	4.3
20:00	238.4	237.5	268.4	239.4	14.7	10.6	4.9	1.2	2.5
21:00	237.8	238.1	284.3	239.8	10.2	10.0	6.2	1.1	1.6
22:00	236.1	229.0	257.0	231.3	17.1	11.5	10.3	1.9	3.5
23:00	292.9	298.8	279.0	296.8	25.2	19.2	15.3	2.8	4.7
Avg	239.0	233.0	255.0	234.0	28.0	23.0	15.1	.0	.0
Max	292.9	298.8	338.8	296.8	66.6	50.1	27.6	5.3	7.3
Hr. of Max	23	23	01	23	06	06	11	17	17
Min	56.3	202.5	203.2	202.5	10.2	3.8	4.8	.4	.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/10/2015

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	4.6	.6	3.6	4.6	.9	5.0	-2.1	2.0	-.04
01:00	3.3	.6	1.2	3.3	.8	3.6	1.9	1.6	.02
02:00	1.0	.6	.8	1.1	.8	1.5	.1	-1.5	.00
03:00	1.3	.6	.9	1.4	1.0	1.7	1.1	-1.0	.02
04:00	.8	.6	.0	.8	1.1	1.1	.7	.7	.01
05:00	1.0	.8	.8	1.1	1.2	1.4	1.6	-.3	.03
06:00	1.1	.6	1.1	1.3	1.0	1.6	2.4	.3	.05
07:00	2.2	1.5	1.9	2.3	2.0	2.6	.3	.1	.00
08:00	2.8	2.1	2.8	2.9	2.6	3.2	1.3	-.8	.01
09:00	3.9	3.4	3.8	4.1	3.8	4.5	-1.3	-2.0	-.18
10:00	3.7	3.4	3.8	4.0	4.0	4.5	2.3	-1.6	.08
11:00	4.8	3.8	4.5	5.5	4.4	6.1	1.8	.4	.00
12:00	6.7	5.3	6.5	7.1	6.0	7.7	-.9	-1.5	-.27
13:00	6.9	5.1	6.5	7.4	5.8	8.1	.5	-.7	-.14
14:00	7.4	5.7	7.0	7.7	6.3	8.5	-1.1	2.0	-.37
15:00	8.3	5.9	7.8	8.7	6.5	9.4	.5	-.8	-.23
16:00	7.8	5.4	7.2	8.2	6.1	8.9	1.0	2.0	-.16
17:00	8.4	5.8	7.6	8.7	6.3	9.3	-1.4	-.1	-.39
18:00	6.7	3.9	5.5	6.9	4.4	7.4	.5	.8	-.17
19:00	5.9	2.0	4.3	5.9	2.5	6.3	-.8	2.3	-.08
20:00	4.3	1.3	2.6	4.4	1.7	4.7	-2.6	2.1	-.09
21:00	3.1	1.1	1.6	3.1	1.4	3.4	1.1	1.3	.03
22:00	5.0	2.0	3.8	5.2	2.4	5.6	-.2	1.4	-.03
23:00	7.1	3.1	5.0	7.4	3.4	7.5	-3.3	-2.5	-.32
Avg	.0	2.7	3.8	4.7	3.2	5.2	.1	.2	-.09
Max	8.4	5.9	7.8	8.7	6.5	9.4	2.4	2.3	.08
Hr. of Max	17	15	15	17	15	15	06	19	10
Min	.8	.6	.0	.8	.8	1.1	-3.3	-2.5	-.39
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/10/2015

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	.19	2.5	6.6	7.3	3.5	6.9	7.6	3.1
01:00	.11	2.3	8.2	11.9	3.4	6.6	10.3	3.5
02:00	-.03	2.5	2.3	6.2	1.9	3.9	6.8	6.6
03:00	-.03	1.6	2.1	4.8	2.1	3.6	7.3	8.4
04:00	.01	2.5	.0	2.5	2.4	1.9	5.5	5.8
05:00	.00	1.8	2.5	2.5	2.2	2.9	5.2	5.6
06:00	.00	3.0	3.2	3.2	2.6	3.4	7.7	5.7
07:00	.02	3.4	3.4	3.9	4.1	4.3	7.0	3.0
08:00	-.05	5.3	6.0	7.3	6.0	5.8	16.3	8.0
09:00	-.23	6.4	9.6	9.2	7.8	8.3	17.7	15.0
10:00	-.17	7.6	8.5	7.3	9.1	8.9	20.6	20.1
11:00	-.05	11.9	14.0	14.0	13.8	15.6	22.3	19.8
12:00	-.31	11.9	14.4	19.7	13.8	15.0	16.5	13.3
13:00	-.20	14.4	14.7	19.9	14.1	16.6	18.1	14.3
14:00	-.02	20.4	16.9	25.6	15.4	19.5	19.8	16.8
15:00	-.29	14.4	16.3	15.6	16.4	17.5	18.9	13.4
16:00	.13	13.7	14.4	14.7	14.9	16.3	18.4	13.4
17:00	-.17	13.1	16.0	14.7	13.9	16.5	16.2	10.7
18:00	-.04	12.8	13.5	15.1	13.1	15.9	17.6	10.2
19:00	.24	7.8	11.9	10.8	6.3	10.2	12.2	4.4
20:00	.17	3.2	5.5	9.6	3.7	6.9	7.6	2.7
21:00	.08	2.7	4.4	7.1	2.8	4.8	6.6	2.1
22:00	.12	7.3	8.2	13.1	8.4	14.0	4.6	2.2
23:00	-.54	9.8	13.3	19.0	10.9	15.6	16.2	10.6
Avg	-.04	7.6	9.0	11.0	8.0	10.0	12.8	9.1
Max	.24	20.4	16.9	25.6	16.4	19.5	22.3	20.1
Hr. of Max	19	14	14	14	15	14	11	10
Min	-.54	1.6	.0	2.5	1.9	1.9	4.6	2.1
Count	24	24	24	24	24	24	24	24
Total								