Date Printed: 06/09/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/8/2015

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	20.7	22.7	24.3	24.6	2.02	3.63	3.95	1.61	1.93
01:00	20.9	22.5	23.6	24.2	1.68	2.76	3.31	1.08	1.63
02:00	20.2	21.8	22.4	23.4	1.65	2.29	3.23	.64	1.59
03:00	19.7	21.3	22.2	23.2	1.62	2.51	3.47	.89	1.84
04:00	19.2	21.7	22.8	23.2	2.49	3.63	4.07	1.15	1.58
05:00	18.9	21.8	22.6	22.8	2.87	3.61	3.87	.74	1.00
06:00	18.8	20.6	21.4	21.8	1.79	2.57	2.99	.78	1.21
07:00	20.3	21.0	21.2	21.6	.66	.89	1.28	.23	.62
08:00	23.1	22.8	22.5	22.5	-.35	-.61	-.64	-.26	-.28
09:00	25.4	24.8	24.5	24.4	-.57	-.88	-1.00	-.30	-.43
10:00	26.7	26.0	25.6	25.5	-.71	-1.10	-1.20	-.39	-.49
11:00	28.0	27.1	26.7	26.6	-.86	-1.25	-1.40	-.39	-.53
12:00	29.1	28.2	27.8	27.7	-.93	-1.29	-1.40	-.36	-.47
13:00	29.9	29.1	28.7	28.6	-.82	-1.18	-1.30	-.36	-.48
14:00	30.2	29.5	29.2	29.2	-.67	-.97	-1.04	-.30	-.37
15:00	29.0	28.7	28.5	28.5	-.27	-.47	-.50	-.20	-.23
16:00	25.5	25.4	25.5	25.5	-.02	.00	.09	.03	.11
17:00	21.8	21.6	21.5	21.5	-.17	-.30	-.27	-.12	-.10
18:00	22.3	22.0	21.9	21.9	-.26	-.38	-.38	-.12	-.12
19:00	22.2	22.0	21.9	21.9	-.20	-.29	-.26	-.09	-.06
20:00	20.7	20.8	20.7	20.8	.06	.02	.07	-.04	.01
21:00	19.7	19.6	19.5	19.5	-.05	-.19	-.21	-.14	-.16
22:00	19.4	19.3	19.2	19.2	-.08	-.21	-.20	-.13	-.12
23:00	19.2	19.1	19.1	19.2	-.03	-.05	.01	-.03	.03
Avg	23.0	23.3	23.5	23.6	.37	.53	.69	.16	.32
Max	30.2	29.5	29.2	29.2	2.87	3.63	4.07	1.61	1.93
Hr. of Max	14	14	14	14	05	04	04	00	00
Min	18.8	19.1	19.1	19.2	-.93	-1.29	-1.40	-.39	-.53
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/8/2015

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	18.2	18.5	19.0	25.8	87.5	79.2	15.4	15.7	0.013503
01:00	18.4	18.6	19.2	25.5	87.5	80.2	15.6	15.7	0.013653
02:00	18.1	18.5	18.8	25.3	90.1	83.6	15.4	15.7	0.013458
03:00	17.9	18.5	18.5	25.1	91.3	85.8	15.2	15.7	0.013249
04:00	17.6	18.2	18.1	24.8	92.3	82.4	14.9	15.4	0.012981
05:00	17.4	17.9	17.9	24.6	92.7	80.5	14.8	15.2	0.012842
06:00	17.3	17.9	17.8	24.4	93.0	86.4	14.7	15.2	0.01279
07:00	18.2	17.8	18.9	24.2	89.9	84.1	15.5	15.1	0.013558
08:00	18.6	18.2	20.1	24.0	77.6	77.2	15.8	15.4	0.013898
09:00	19.0	18.6	21.1	23.9	69.4	70.1	16.0	15.7	0.01424
10:00	19.3	18.9	21.8	23.9	65.8	66.9	16.3	15.9	0.014558
11:00	19.7	19.3	22.5	24.2	62.6	63.9	16.7	16.2	0.01498
12:00	19.5	19.1	22.7	24.8	58.0	59.6	16.4	16.1	0.014825
13:00	19.1	18.8	22.7	25.4	54.0	55.4	16.0	15.7	0.014476
14:00	18.8	18.5	22.6	26.0	51.9	53.0	15.6	15.4	0.014165
15:00	19.0	18.8	22.3	26.4	56.4	56.6	15.9	15.7	0.014345
16:00	19.4	19.2	21.4	26.5	72.0	71.3	16.4	16.3	0.014662
17:00	20.3	20.3	20.8	26.5	93.7	94.4	17.6	17.5	0.015526
18:00	20.7	20.6	21.3	26.2	93.3	94.1	18.0	17.9	0.015946
19:00	20.7	20.7	21.2	26.0	93.9	94.6	18.0	17.9	0.015939
20:00	19.0	19.0	19.6	25.8	92.1	91.7	16.3	16.2	0.01428
21:00	18.5	18.7	18.9	25.5	95.0	96.5	15.8	16.0	0.013819
22:00	18.1	18.3	18.5	25.2	94.1	95.7	15.4	15.6	0.013442
23:00	18.0	18.2	18.4	24.9	95.1	96.3	15.3	15.5	0.013373
Avg	18.8	18.8	20.2	25.2	81.2	79.1	16.0	15.9	0.014105
Max	20.7	20.7	22.7	26.5	95.1	96.5	18.0	17.9	0.015946
Hr. of Max	19	19	13	17	23	21	19	19	18
Min	17.3	17.8	17.8	23.9	51.9	53.0	14.7	15.1	0.01279
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)

6/8/2015

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	0.013824	20.9	21.4	.00	29.11	985.8	-1.7	.00	264.8
01:00	0.01386	21.2	21.5	.00	29.11	985.9	-2.0	.00	258.8
02:00	0.01382	20.9	21.4	.00	29.10	985.5	-3.7	-.01	297.2
03:00	0.013755	20.6	21.3	.00	29.10	985.5	-1.7	.00	18.0
04:00	0.0135	20.1	20.9	.00	29.09	985.2	-.7	.00	289.2
05:00	0.013314	19.9	20.6	.00	29.09	985.2	-2.0	.00	243.4
06:00	0.013281	19.9	20.6	.00	29.10	985.5	8.1	.01	269.0
07:00	0.013213	21.0	20.5	.00	29.11	985.8	119.6	.17	244.5
08:00	0.013529	21.5	21.0	.00	29.11	985.9	337.4	.48	223.8
09:00	0.013906	22.1	21.6	.00	29.12	986.0	510.9	.73	226.5
10:00	0.014191	22.5	22.0	.00	29.11	985.8	722.7	1.04	215.9
11:00	0.014524	23.2	22.5	.00	29.09	985.1	806.7	1.16	207.5
12:00	0.014438	22.9	22.3	.00	29.07	984.4	844.7	1.21	219.6
13:00	0.014161	22.4	21.9	.00	29.03	983.2	840.3	1.20	212.1
14:00	0.013913	21.9	21.5	.00	29.00	982.2	632.2	.91	216.6
15:00	0.014183	22.1	21.9	.00	28.99	981.7	317.9	.46	215.9
16:00	0.014529	22.6	22.4	.31	28.99	981.6	162.2	.23	242.4
17:00	0.015464	23.9	23.8	.22	29.02	982.6	118.2	.17	70.4
18:00	0.015818	24.6	24.4	.00	29.01	982.5	87.2	.13	90.7
19:00	0.015861	24.5	24.4	.00	29.00	982.2	36.5	.05	275.0
20:00	0.01426	22.1	22.0	.41	29.03	983.2	-.1	.00	264.4
21:00	0.013998	21.4	21.6	.06	29.02	982.8	-2.3	.00	151.3
22:00	0.013606	20.8	21.1	.00	29.04	983.5	-1.5	.00	194.0
23:00	0.013519	20.7	20.9	.00	29.04	983.6	-2.9	.00	261.8
Avg	0.014103	21.8	21.8	.04	29.06	984.2	230.3	.33	238.0
Max	0.015861	24.6	24.4	.41	29.12	986.0	844.7	1.21	297.2
Hr. of Max	19	18	19	20	09	09	12	12	02
Min	0.013213	19.9	20.5	.00	28.99	981.6	-3.7	-.01	18.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/8/2015

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	241.3	219.7	262.3	221.9	45.9	11.7	7.8	.3	2.9
01:00	227.7	244.3	261.8	245.5	15.2	12.1	8.2	.7	1.8
02:00	229.9	215.4	295.9	217.8	15.7	12.1	6.5	.2	1.0
03:00	246.9	232.0	29.0	233.9	53.3	56.2	7.8	.1	.5
04:00	240.6	217.2	279.5	219.5	39.8	12.9	8.7	.6	2.9
05:00	250.0	245.7	246.8	247.4	18.3	11.2	9.5	1.6	3.7
06:00	222.4	261.4	256.9	262.3	20.5	16.3	12.7	.4	1.8
07:00	195.7	238.7	245.2	239.7	31.5	19.2	11.3	.5	1.4
08:00	231.4	231.7	228.4	233.9	20.6	13.9	10.8	3.7	5.2
09:00	232.5	231.0	232.6	233.1	24.5	18.3	15.3	5.8	8.2
10:00	219.5	218.7	221.4	220.8	24.1	18.0	14.0	7.2	10.1
11:00	213.0	211.7	212.7	213.7	31.5	25.6	21.0	5.9	8.2
12:00	224.4	221.6	225.2	223.7	26.3	20.3	15.4	7.2	10.1
13:00	218.1	215.2	218.7	217.1	25.7	19.6	16.1	7.6	10.8
14:00	221.0	219.8	221.9	221.7	26.1	19.6	14.3	7.7	10.9
15:00	221.4	219.9	221.4	222.1	22.5	17.7	13.8	7.7	11.2
16:00	246.4	243.4	247.0	244.7	31.6	24.6	20.4	5.4	8.7
17:00	69.3	73.5	78.6	67.9	58.8	59.8	52.4	.8	.6
18:00	91.2	102.3	92.0	95.1	37.9	34.3	34.2	.7	1.4
19:00	265.7	225.1	273.3	227.4	36.7	36.4	39.1	1.0	1.3
20:00	281.3	285.1	268.4	284.4	44.7	34.7	26.2	3.3	4.7
21:00	158.9	158.8	159.4 +	159.6	35.1	29.6	27.2	1.9	2.9
22:00	193.2	187.2	198.7	187.9	23.5	18.3	13.2	3.2	5.0
23:00	251.7	234.3	264.2	236.0	30.7	19.7	16.4	1.9	3.4
Avg	226.0	222.0	239.0	224.0	30.9	23.4	17.6	.0	.0
Max	281.3	285.1	295.9	284.4	58.8	59.8	52.4	7.7	11.2
Hr. of Max	20	20	02	20	17	17	17	15	15
Min	69.3	73.5	29.0	67.9	15.2	11.2	6.5	.1	.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/8/2015

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	4.4	.4	3.0	4.5	.8	4.8	1.0	.8	.02
01:00	3.1	.7	1.9	3.2	1.1	3.5	1.0	1.3	.02
02:00	3.1	.2	1.0	3.1	.5	3.4	.5	.4	.00
03:00	3.9	.1	.5	3.9	.4	4.3	1.7	1.4	.02
04:00	5.2	.7	3.0	5.2	.9	5.6	1.4	.3	.02
05:00	5.3	1.8	3.8	5.5	2.1	5.9	1.7	.4	.05
06:00	2.7	.5	1.9	2.8	.8	3.0	.5	1.2	.00
07:00	2.5	.7	1.5	2.6	1.1	2.9	1.1	.9	.02
08:00	6.3	3.9	5.3	6.5	4.5	7.0	-.5	-.9	-.18
09:00	9.8	6.3	8.6	10.2	7.0	10.9	-.2	.2	-.23
10:00	12.1	7.8	10.5	12.5	8.5	13.4	1.7	.8	-.06
11:00	9.7	6.6	8.9	10.2	7.3	11.0	2.3	2.9	.01
12:00	11.9	8.0	10.8	12.4	8.6	13.2	.1	-1.1	-.24
13:00	13.1	8.4	11.4	13.7	9.3	14.5	-.8	.6	-.44
14:00	13.3	8.4	11.4	13.7	9.1	14.6	.0	1.6	-.29
15:00	13.9	8.3	11.8	14.3	9.0	15.2	-1.1	.7	-.43
16:00	11.5	7.4	11.4	14.9	8.2	15.4	-2.1	-1.3	-.53
17:00	.4	2.0	2.5	2.9	2.5	3.3	-1.0	-2.6	-.05
18:00	1.6	2.1	3.0	3.3	2.6	3.6	.3	.5	-.07
19:00	1.3	1.9	2.7	3.1	2.2	3.4	-.5	2.2	-.07
20:00	5.7	4.7	7.1	9.0	5.2	9.8	-1.5	-1.9	-.30
21:00	4.0	2.6	3.7	4.6	3.2	5.0	2.8	5.8	.12
22:00	6.9	3.4	5.2	7.1	3.8	7.3	2.8	.4	.02
23:00	4.3	2.4	3.9	4.7	2.8	5.1	-4.3	-.8	-.28
Avg	.0	3.7	5.6	7.2	4.2	7.8	.3	.6	-.12
Max	13.9	8.4	11.8	14.9	9.3	15.4	2.8	5.8	.12
Hr. of Max	15	14	15	16	13	16	22	21	21
Min	.4	.1	.5	2.6	.4	2.9	-4.3	-2.6	-.53
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/8/2015

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	.06	2.7	5.7	7.8	3.3	8.1	11.7	4.7
01:00	.07	3.2	10.8	14.0	3.3	7.7	6.5	3.9
02:00	.02	1.4	2.7	6.6	1.7	6.7	7.2	3.7
03:00	.09	1.1	2.7	6.9	1.4	6.8	9.9	4.9
04:00	.02	3.9	6.2	8.7	3.2	9.3	13.9	6.1
05:00	.04	4.6	11.7	10.3	7.4	9.8	9.7	5.9
06:00	.05	2.1	4.1	7.6	2.4	6.5	8.4	7.0
07:00	.05	4.1	3.9	6.0	4.4	6.6	10.4	4.9
08:00	-.23	9.2	10.5	11.7	10.2	13.1	17.2	9.9
09:00	-.14	19.0	24.0	26.1	20.5	27.3	17.3	11.0
10:00	-.03	17.2	25.2	30.2	19.8	23.9	17.2	11.1
11:00	.24	15.8	21.1	27.7	18.4	20.9	19.3	15.2
12:00	-.37	18.1	26.6	23.4	18.1	24.9	16.0	11.2
13:00	-.01	20.6	22.2	24.5	21.6	31.1	16.9	11.0
14:00	.14	21.8	36.2	37.8	22.6	27.5	17.8	11.6
15:00	-.02	19.7	23.1	25.0	22.4	27.7	16.4	9.4
16:00	-.44	34.8	45.1	54.0	37.6	53.4	17.0	9.0
17:00	-.12	9.2	15.6	22.4	10.7	15.5	22.1	17.0
18:00	.02	10.1	11.4	11.4	9.9	12.3	18.4	12.4
19:00	.00	9.6	13.1	13.5	11.6	14.3	16.7	13.9
20:00	-.22	21.8	24.3	26.6	19.2	67.3	20.1	11.6
21:00	.50	8.2	10.5	11.2	8.9	74.7	17.0	12.9
22:00	-.04	11.2	11.4	14.0	10.9	14.8	18.9	9.8
23:00	-.08	8.2	11.9	11.9	8.9	12.6	14.3	10.2
Avg	-.02	11.6	15.8	18.3	12.4	21.8	15.0	9.5
Max	.50	34.8	45.1	54.0	37.6	74.7	22.1	17.0
Hr. of Max	21	16	16	16	16	21	17	17
Min	-.44	1.1	2.7	6.0	1.4	6.5	6.5	3.7
Count	24	24	24	24	24	24	24	24
Total								