Date Printed: 07/18/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/17/2015

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	21.4	22.1	22.6	23.0	.75	1.18	1.62	.44	.87
01:00	21.0	21.7	22.1	22.4	.74	1.09	1.42	.35	.69
02:00	20.7	21.5	21.7	22.1	.83	1.02	1.42	.18	.59
03:00	20.2	21.0	21.2	21.5	.82	1.06	1.34	.24	.52
04:00	19.8	20.7	21.0	21.5	.92	1.19	1.66	.27	.74
05:00	19.5	20.4	20.6	20.8	.95	1.11	1.28	.17	.33
06:00	19.6	20.2	20.3	20.4	.66	.69	.81	.03	.15
07:00	20.2	20.5	20.5	20.6	.22	.29	.34	.08	.12
08:00	22.4	22.2	22.0	21.8	-.22	-.45	-.58	-.23	-.36
09:00	24.9	24.5	24.3	24.1	-.34	-.58	-.75	-.24	-.41
10:00	27.1	26.6	26.3	26.2	-.50	-.75	-.89	-.26	-.39
11:00	29.0	28.2	27.9	27.8	-.74	-1.06	-1.21	-.32	-.47
12:00	30.1	29.2	28.9	28.8	-.85	-1.19	-1.29	-.34	-.44
13:00	30.6	29.8	29.5	29.4	-.75	-1.03	-1.11	-.28	-.36
14:00	31.4	30.4	30.1	30.0	-.95	-1.26	-1.36	-.31	-.41
15:00	31.1	30.6	30.3	30.2	-.49	-.79	-.89	-.29	-.39
16:00	31.4	30.9	30.5	30.4	-.48	-.82	-.94	-.34	-.46
17:00	31.8	31.3	31.0	30.9	-.53	-.79	-.96	-.26	-.43
18:00	31.5	31.3	31.0	30.8	-.26	-.57	-.73	-.31	-.47
19:00	29.7	30.2	30.3	30.4	.54	.64	.78	.09	.23
20:00	27.3	28.9	29.1	29.5	1.63	1.83	2.18	.20	.56
21:00	25.6	27.0	27.6	28.2	1.39	2.00	2.59	.61	1.19
22:00	24.5	25.7	26.6	27.3	1.19	2.04	2.74	.85	1.54
23:00	24.1	25.1	25.7	26.3	1.07	1.61	2.29	.54	1.22
Avg	25.6	25.8	25.9	26.0	.23	.27	.41	.04	.17
Max	31.8	31.3	31.0	30.9	1.63	2.04	2.74	.85	1.54
Hr. of Max	17	18	18	17	20	22	22	22	22
Min	19.5	20.2	20.3	20.4	-.95	-1.26	-1.36	-.34	-.47
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/17/2015

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	19.8	20.9	20.3	26.9	92.9	95.2	17.0	18.2	0.014959
01:00	19.5	20.7	20.0	26.7	93.4	96.7	16.7	18.0	0.014668
02:00	19.3	20.6	19.7	26.4	93.9	97.3	16.5	17.9	0.014475
03:00	18.9	20.2	19.3	26.2	94.2	97.2	16.1	17.4	0.014104
04:00	18.5	20.0	18.9	26.0	94.4	97.7	15.8	17.2	0.013795
05:00	18.2	19.6	18.7	25.8	94.5	97.5	15.5	16.9	0.013542
06:00	18.3	19.5	18.7	25.6	94.6	97.8	15.6	16.8	0.013615
07:00	18.9	19.5	19.4	25.4	94.4	96.5	16.2	16.8	0.014164
08:00	19.8	19.3	20.7	25.2	87.5	85.8	17.0	16.5	0.014987
09:00	20.0	19.3	21.6	25.1	76.1	74.3	17.0	16.3	0.015133
10:00	20.3	19.7	22.6	25.1	68.3	67.6	17.3	16.7	0.015476
11:00	20.2	19.5	23.1	25.3	61.2	61.1	17.2	16.5	0.015455
12:00	19.4	18.8	22.9	25.9	54.3	54.8	16.2	15.7	0.014642
13:00	19.6	19.1	23.3	26.6	53.7	54.1	16.4	15.9	0.014887
14:00	20.1	19.6	23.9	27.3	53.0	54.2	16.9	16.5	0.015389
15:00	20.6	20.1	24.1	27.7	55.7	55.3	17.5	16.9	0.015881
16:00	20.8	20.3	24.4	27.9	55.5	55.2	17.7	17.2	0.016109
17:00	20.7	20.3	24.4	28.1	53.6	53.7	17.5	17.1	0.015985
18:00	21.4	21.1	24.8	28.4	56.7	56.4	18.3	17.9	0.016672
19:00	22.2	21.6	24.7	28.6	66.8	62.2	19.3	18.6	0.017554
20:00	22.8	22.1	24.3	28.6	79.2	68.8	20.2	19.2	0.018184
21:00	22.3	22.3	23.4	28.6	84.5	77.8	19.6	19.5	0.017552
22:00	22.1	22.6	22.9	28.4	88.5	85.3	19.4	19.9	0.017278
23:00	22.0	22.7	22.7	28.2	90.8	89.1	19.3	20.1	0.017214
Avg	20.2	20.4	22.0	26.8	76.6	76.3	17.3	17.5	0.015488
Max	22.8	22.7	24.8	28.6	94.6	97.8	20.2	20.1	0.018184
Hr. of Max	20	23	18	21	06	06	20	23	20
Min	18.2	18.8	18.7	25.1	53.0	53.7	15.5	15.7	0.013542
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/17/2015

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	0.016041	23.1	24.8	.00	29.10	985.4	-2.1	.00	277.9
01:00	0.015897	22.7	24.6	.00	29.09	985.2	-2.2	.00	312.1
02:00	0.015778	22.4	24.4	.00	29.09	985.2	-2.5	.00	344.9
03:00	0.015314	21.8	23.7	.00	29.09	985.1	-2.3	.00	272.0
04:00	0.015124	21.4	23.4	.00	29.09	985.1	-1.4	.00	46.3
05:00	0.014815	21.0	22.9	.00	29.10	985.5	-2.0	.00	45.1
06:00	0.014662	21.1	22.7	.00	29.12	986.0	3.2	.00	66.8
07:00	0.014664	22.0	22.7	.00	29.13	986.4	77.4	.11	29.1
08:00	0.014488	23.2	22.5	.00	29.14	986.7	312.6	.45	112.6
09:00	0.014473	23.4	22.4	.00	29.14	987.0	525.1	.75	131.0
10:00	0.014863	24.0	23.0	.00	29.15	987.0	709.5	1.02	226.6
11:00	0.014773	23.9	22.9	.00	29.14	987.0	851.1	1.22	230.3
12:00	0.014085	22.7	21.8	.00	29.13	986.5	957.5	1.37	229.4
13:00	0.014365	23.1	22.3	.00	29.12	986.2	887.9	1.27	205.9
14:00	0.014901	23.8	23.1	.00	29.11	985.9	969.3	1.39	221.6
15:00	0.015344	24.5	23.7	.00	29.11	985.7	642.2	.92	181.5
16:00	0.015598	24.9	24.1	.00	29.10	985.4	443.4	.64	217.3
17:00	0.015542	24.7	24.0	.00	29.08	984.8	496.7	.71	230.0
18:00	0.016338	25.7	25.2	.00	29.07	984.5	331.4	.48	216.6
19:00	0.016914	27.0	26.1	.00	29.07	984.4	175.3	.25	266.9
20:00	0.017374	28.0	26.8	.00	29.08	984.7	20.4	.03	269.7
21:00	0.017522	27.0	27.0	.00	29.08	984.8	-2.5	.00	315.5
22:00	0.017868	26.6	27.5	.00	29.09	985.2	-2.3	.00	291.7
23:00	0.018009	26.5	27.7	.00	29.10	985.3	-2.1	.00	346.2
Avg	0.015615	23.9	24.1	.00	29.11	985.6	307.7	.44	259.0
Max	0.018009	28.0	27.7	.00	29.15	987.0	969.3	1.39	346.2
Hr. of Max	23	20	23	23	10	11	14	14	23
Min	0.014085	21.0	21.8	.00	29.07	984.4	-2.5	.00	29.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/17/2015

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	307.8	61.0	273.6	58.2	15.1	19.4	19.0	.5	.0
01:00	53.6	257.6	301.6	290.8	39.5	51.6	31.7	.2	.0
02:00	69.8	75.5	322.9	71.0	32.4	38.2	18.1	.5	.7
03:00	232.7	163.5	271.8	173.5	47.7	22.1	20.1	.8	.2
04:00	50.2	32.7	22.0	29.2	46.7	19.4	26.1	.5	1.1
05:00	71.2	58.6	35.4	53.9	51.6	20.6	9.5	.3	1.2
06:00	66.4	55.8	63.7	50.8	26.4	18.3	10.0	.4	1.3
07:00	69.7	61.1	305.6	55.5	52.8	21.4	14.3	.1	.6
08:00	96.7	74.4	118.2	70.7	25.4	27.3	26.3	1.3	1.4
09:00	147.9	146.8	148.3	141.4	52.1	60.4	47.6	.5	.6
10:00	228.0	221.1	228.4	224.7	54.5	45.7	40.8	1.9	2.5
11:00	235.0	228.5	234.9	230.3	33.9	27.3	22.7	3.5	4.6
12:00	234.6	229.5	235.2	231.6	24.0	17.7	16.9	4.7	6.0
13:00	209.5	206.0	211.2	207.9	34.2	31.8	25.4	3.7	4.6
14:00	229.7	224.1	225.8	225.7	35.0	25.9	17.6	3.7	4.9
15:00	192.7	196.5	187.9	197.8	32.6	31.0	27.3	3.6	4.3
16:00	225.5	219.2	223.1	221.7	32.7	24.2	16.3	3.4	4.7
17:00	237.3	236.3	236.0	238.6	32.3	19.3	17.5	3.3	4.4
18:00	224.1	217.4	220.6	219.0	25.3	21.9	18.5	3.1	4.4
19:00	247.6	237.8	267.2	239.5	19.8	9.6	6.6	1.9	4.0
20:00	240.8	239.8	269.8	241.2	13.0	10.7	6.2	1.3	1.8
21:00	59.7	208.2	313.1	199.0	12.5	26.5	26.8	.7	.3
22:00	252.8	213.2	285.3	221.2	39.0	51.8	40.6	.6	.2
23:00	59.0	45.7	351.0	33.3	23.3	10.5	27.1	.6	1.2
Avg	201.0	194.0	261.0	203.0	33.4	27.2	22.2	.0	.0
Max	307.8	257.6	351.0	290.8	54.5	60.4	47.6	4.7	6.0
Hr. of Max	00	01	23	01	10	09	09	12	12
Min	50.2	32.7	22.0	29.2	12.5	9.6	6.2	.1	.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/17/2015

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	.4	.5	.6	.4	.8	.7	.3	-1.5	.01
01:00	.1	.2	.1	.1	.5	.4	.3	-.2	.00
02:00	.8	.6	.8	.9	.9	1.3	1.6	-.1	.03
03:00	.3	1.0	.5	.3	1.4	.8	1.0	-3.1	.01
04:00	1.2	.6	1.2	1.3	.9	1.7	2.8	1.0	.05
05:00	1.8	.3	1.3	1.8	.8	2.1	.8	.0	.01
06:00	2.4	.4	1.5	2.5	.8	2.7	.6	-.1	-.01
07:00	1.4	.3	.8	1.5	.7	1.7	.9	-1.6	.02
08:00	1.6	1.3	1.5	1.8	1.9	2.2	1.2	-3.0	.05
09:00	.7	1.1	1.1	1.0	1.7	1.6	-6.0	.9	-.20
10:00	2.9	2.3	2.9	3.3	3.0	3.9	-5.4	-9.5	-.39
11:00	5.3	4.2	5.2	5.7	4.8	6.2	.0	.4	-.16
12:00	6.6	5.2	6.3	6.9	5.8	7.6	-1.3	-3.3	-.31
13:00	5.6	4.5	5.4	6.2	5.2	6.8	1.4	-1.9	.00
14:00	5.8	4.4	5.4	6.3	5.1	6.8	-.6	-3.0	-.17
15:00	5.1	4.3	5.0	5.7	4.8	6.1	1.4	2.3	.06
16:00	5.5	3.7	5.0	5.7	4.3	6.1	2.7	-2.3	.00
17:00	5.0	3.7	4.6	5.2	4.3	5.6	-3.4	-.6	-.32
18:00	5.2	3.5	4.7	5.6	4.0	6.0	2.9	3.6	.04
19:00	5.3	2.0	4.1	5.4	2.5	5.8	-.8	.8	-.14
20:00	3.3	1.3	1.8	3.3	1.6	3.5	.3	.5	-.01
21:00	1.1	.8	.9	1.1	1.0	1.4	-1.1	.2	-.02
22:00	.6	.8	.4	.8	1.1	1.1	.9	.4	.02
23:00	.4	.6	1.2	.4	.9	.8	1.2	-1.6	.02
Avg	.0	2.0	2.6	3.1	2.5	3.5	.1	-.9	-.06
Max	6.6	5.2	6.3	6.9	5.8	7.6	2.9	3.6	.06
Hr. of Max	12	12	12	12	12	12	18	18	15
Min	.1	.2	.1	.1	.5	.4	-6.0	-9.5	-.39
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/17/2015

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	-.02	1.4	1.6	2.3	1.7	2.1	6.0	4.5
01:00	.00	1.4	.9	1.1	1.5	1.5	6.6	5.9
02:00	.01	2.3	2.3	2.5	2.3	2.7	5.4	6.8
03:00	-.04	2.7	3.7	4.6	2.9	2.7	5.8	10.7
04:00	.03	2.3	3.0	2.5	2.5	2.9	8.8	8.6
05:00	.00	1.6	3.0	3.4	1.9	3.4	8.8	4.4
06:00	-.01	1.8	3.2	4.6	2.5	4.9	10.6	4.3
07:00	-.04	1.8	2.3	4.4	2.3	3.0	13.5	6.8
08:00	-.13	3.7	3.9	3.9	4.8	4.8	21.0	18.9
09:00	-.02	4.8	3.4	3.9	4.8	4.1	30.3	35.0
10:00	-.69	8.9	9.8	10.1	9.8	10.9	26.9	27.4
11:00	-.07	9.6	11.7	14.4	10.6	12.4	20.0	17.9
12:00	-.53	12.6	11.9	12.1	12.3	12.8	17.2	13.6
13:00	-.31	11.2	11.7	13.7	12.7	14.6	20.5	18.8
14:00	-.38	10.8	11.4	11.9	12.4	14.0	21.1	15.7
15:00	.20	10.1	10.1	14.7	10.8	11.2	17.4	16.5
16:00	-.30	9.8	10.5	10.8	10.5	12.0	19.9	12.7
17:00	-.13	11.4	8.9	9.2	8.9	10.0	17.1	16.1
18:00	.22	8.5	9.8	10.1	9.4	10.0	20.5	14.7
19:00	.06	7.6	9.6	9.8	7.6	10.1	13.6	5.3
20:00	.04	2.3	3.2	5.5	2.7	5.8	5.7	3.9
21:00	.03	1.8	3.7	5.3	2.2	3.7	8.2	7.4
22:00	.01	1.8	2.1	1.8	2.2	2.4	6.3	7.4
23:00	-.02	1.8	2.5	1.1	2.0	1.5	7.5	7.5
Avg	-.09	5.5	6.0	6.8	5.9	6.8	14.1	12.1
Max	.22	12.6	11.9	14.7	12.7	14.6	30.3	35.0
Hr. of Max	18	12	12	15	13	13	09	09
Min	-.69	1.4	.9	1.1	1.5	1.5	5.4	3.9
Count	24	24	24	24	24	24	24	24
Total								