Date Printed: 11/13/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/12/2014

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	12.8	13.7	14.4	15.4	.89	1.54	2.63	.65	1.74
01:00	13.3	13.9	14.2	14.4	.53	.89	1.01	.36	.49
02:00	11.8	11.6	11.4	11.3	-.12	-.32	-.42	-.20	-.31
03:00	11.2	11.1	10.9	10.8	-.10	-.30	-.40	-.20	-.30
04:00	9.8	9.6	9.4	9.3	-.13	-.34	-.45	-.21	-.32
05:00	8.5	8.4	8.2	8.1	-.07	-.29	-.37	-.22	-.29
06:00	8.0	7.9	7.7	7.6	-.09	-.31	-.39	-.22	-.30
07:00	7.7	7.6	7.4	7.3	-.11	-.32	-.39	-.21	-.28
08:00	8.0	7.9	7.6	7.5	-.14	-.36	-.46	-.22	-.32
09:00	8.2	7.9	7.6	7.5	-.24	-.53	-.67	-.29	-.43
10:00	8.1	7.8	7.5	7.4	-.30	-.59	-.74	-.29	-.44
11:00	7.8	7.5	7.2	7.1	-.37	-.61	-.75	-.23	-.37
12:00	8.0	7.4	7.2	7.0	-.56	-.81	-.94	-.25	-.38
13:00	8.4	7.8	7.5	7.4	-.62	-.86	-.95	-.24	-.33
14:00	8.5	8.1	7.8	7.6	-.42	-.71	-.87	-.29	-.45
15:00	7.4	7.0	6.8	6.6	-.40	-.64	-.78	-.24	-.39
16:00	7.2	7.0	6.7	6.6	-.26	-.48	-.60	-.22	-.33
17:00	6.4	6.3	6.0	5.9	-.16	-.38	-.50	-.22	-.34
18:00	5.3	5.1	4.9	4.8	-.18	-.43	-.57	-.25	-.39
19:00	4.8	4.6	4.4	4.2	-.21	-.44	-.58	-.23	-.37
20:00	4.4	4.2	4.0	3.9	-.21	-.43	-.53	-.22	-.32
21:00	4.3	4.0	3.8	3.7	-.20	-.41	-.52	-.21	-.32
22:00	4.1	3.9	3.7	3.6	-.18	-.40	-.53	-.22	-.35
23:00	3.9	3.7	3.4	3.3	-.26	-.48	-.59	-.21	-.33
Avg	7.8	7.7	7.5	7.4	-.16	-.33	-.39	-.17	-.23
Max	13.3	13.9	14.4	15.4	.89	1.54	2.63	.65	1.74
Hr. of Max	01	01	00	00	00	00	00	00	00
Min	3.9	3.7	3.4	3.3	-.62	-.86	-.95	-.29	-.45
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/12/2014

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	9.4	8.7	10.5	12.5	80.7	72.5	9.0	8.5	0.007558
01:00	9.4	9.1	10.7	12.5	78.3	74.1	9.0	8.8	0.007586
02:00	8.0	8.0	9.3	12.6	78.8	79.5	8.2	8.2	0.006875
03:00	7.4	7.5	8.7	12.6	78.7	79.3	7.9	7.9	0.006602
04:00	6.1	6.1	7.3	12.6	78.6	79.2	7.2	7.2	0.005994
05:00	6.0	5.9	6.8	12.5	85.1	85.1	7.2	7.1	0.005938
06:00	5.2	5.0	6.1	12.5	83.1	83.0	6.8	6.8	0.00561
07:00	4.6	4.4	5.6	12.4	81.3	80.9	6.5	6.5	0.005383
08:00	4.1	4.0	5.4	12.3	77.3	77.4	6.3	6.3	0.005216
09:00	3.7	3.6	5.2	12.2	74.3	74.7	6.2	6.1	0.005068
10:00	3.4	3.2	5.0	12.2	72.8	73.4	6.0	6.0	0.004943
11:00	3.0	2.8	4.6	12.2	72.2	73.1	5.9	5.8	0.004817
12:00	2.2	1.9	4.1	12.2	67.4	68.8	5.5	5.4	0.004541
13:00	2.1	1.8	4.2	12.2	65.4	66.5	5.5	5.4	0.00453
14:00	1.9	1.6	4.1	12.3	63.7	64.4	5.4	5.3	0.004447
15:00	1.3	1.2	3.4	12.4	65.8	66.9	5.2	5.2	0.004269
16:00	1.5	1.4	3.4	12.4	67.3	68.1	5.3	5.2	0.004308
17:00	1.4	1.3	3.1	12.4	70.8	71.3	5.3	5.2	0.004284
18:00	1.5	1.4	2.8	12.3	76.8	77.5	5.3	5.3	0.004306
19:00	1.9	1.9	2.9	12.2	82.2	83.3	5.5	5.5	0.004439
20:00	2.2	2.2	2.9	12.0	85.8	87.1	5.6	5.6	0.00452
21:00	2.3	2.2	2.9	11.9	87.6	88.6	5.6	5.6	0.004554
22:00	1.7	1.7	2.5	11.7	85.2	85.9	5.4	5.4	0.00438
23:00	1.8	1.7	2.5	11.6	86.7	87.4	5.4	5.4	0.0044
Avg	3.8	3.7	5.2	12.3	76.9	77.0	6.3	6.2	0.00519
Max	9.4	9.1	10.7	12.6	87.6	88.6	9.0	8.8	0.007586
Hr. of Max	01	01	01	04	21	21	01	01	01
Min	1.3	1.2	2.5	11.6	63.7	64.4	5.2	5.2	0.004269
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/12/2014

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	0.007203	11.8	11.3	.00	29.06	984.1	-2.6	.00	238.5
01:00	0.00743	11.9	11.6	.00	29.07	984.5	-2.7	.00	254.8
02:00	0.006879	10.8	10.8	.00	29.09	985.1	-2.0	.00	262.9
03:00	0.00661	10.4	10.4	.00	29.11	985.7	-2.0	.00	255.2
04:00	0.005991	9.4	9.4	.00	29.13	986.6	-2.8	.00	268.6
05:00	0.005906	9.3	9.3	.00	29.16	987.5	-2.4	.00	216.4
06:00	0.005564	8.8	8.8	.00	29.18	988.4	-1.8	.00	229.7
07:00	0.00532	8.5	8.4	.00	29.21	989.0	6.0	.01	222.8
08:00	0.005173	8.2	8.2	.00	29.23	989.8	47.0	.07	55.0
09:00	0.005008	8.0	7.9	.00	29.24	990.1	91.3	.13	56.6
10:00	0.00489	7.8	7.7	.00	29.25	990.4	121.9	.17	53.0
11:00	0.00475	7.6	7.5	.00	29.25	990.7	157.5	.23	72.9
12:00	0.004463	7.2	7.1	.00	29.25	990.4	189.6	.27	266.8
13:00	0.004411	7.2	7.0	.00	29.23	990.0	252.1	.36	221.1
14:00	0.004367	7.0	6.9	.00	29.23	990.0	188.2	.27	119.9
15:00	0.004226	6.7	6.7	.00	29.23	990.0	121.5	.17	271.2
16:00	0.004277	6.8	6.8	.00	29.24	990.1	50.4	.07	302.7
17:00	0.004266	6.8	6.7	.00	29.26	990.8	1.6	.00	50.8
18:00	0.004286	6.8	6.8	.00	29.26	991.0	-2.3	.00	55.4
19:00	0.004431	7.0	7.0	.00	29.27	991.1	-2.2	.00	25.8
20:00	0.004521	7.2	7.2	.00	29.27	991.3	-2.3	.00	9.8
21:00	0.004539	7.2	7.2	.00	29.28	991.5	-2.5	.00	23.2
22:00	0.004362	6.9	6.9	.00	29.28	991.6	-2.4	.00	42.9
23:00	0.004355	7.0	6.9	.00	29.28	991.5	-2.1	.00	298.3
Avg	0.005135	8.2	8.1	.00	29.21	989.2	49.9	.07	310.0
Max	0.00743	11.9	11.6	.00	29.28	991.6	252.1	.36	302.7
Hr. of Max	01	01	01	23	23	22	13	13	16
Min	0.004226	6.7	6.7	.00	29.06	984.1	-2.8	.00	9.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/12/2014

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	249.9	236.4	237.1	238.6	47.5	26.0	9.1	.4	1.3
01:00	268.2	273.9	260.8	274.9	18.3	15.6	13.2	5.1	7.1
02:00	274.2	278.3	269.3	279.0	19.6	16.1	15.0	4.8	6.4
03:00	270.8	277.8	261.8	277.8	36.7	34.0	26.0	3.4	4.7
04:00	279.3	286.4	272.8	286.8	30.2	22.7	19.2	4.3	5.6
05:00	239.3	250.6	222.8	251.9	29.4	27.3	27.2	2.1	2.5
06:00	246.6	253.8	233.8	255.4	41.0	42.9	24.8	2.3	3.0
07:00	234.6	235.5	228.6	238.0	28.2	24.1	26.0	1.6	2.0
08:00	54.3	57.1	70.2	53.5	59.5	51.8	41.6	.8	1.6
09:00	49.4	50.2	61.4	47.4	34.9	22.5	15.2	2.3	3.9
10:00	53.6	51.6	56.6	48.5	34.1	24.1	17.2	2.9	4.4
11:00	52.8	46.4	71.0	42.2	51.8	35.0	29.2	1.1	1.2
12:00	272.4	272.0	271.9	272.2	21.5	16.3	16.0	4.1	5.1
13:00	229.8	225.5	227.4	228.8	34.6	37.8	42.0	2.6	2.8
14:00	118.7	111.0	124.1	107.1	27.9	25.3	21.4	1.8	1.8
15:00	284.3	285.0	277.7	284.7	29.1	23.7	20.3	4.2	5.0
16:00	341.2	352.0	302.2	349.0	56.0	43.9	39.6	.7	1.3
17:00	63.3	61.6	67.4	59.1	66.1	42.6	25.5	1.2	2.5
18:00	53.0	53.0	59.1	49.5	31.6	19.9	13.5	2.2	4.2
19:00	32.4	31.9	30.4	28.7	39.4	28.1	20.0	1.3	2.4
20:00	29.1	24.5	13.2	23.4	39.3	28.3	21.4	1.2	1.7
21:00	29.2	25.2	24.4	20.6	29.4	21.1	16.7	.8	1.6
22:00	47.3	47.7	44.0	44.0	28.1	15.6	11.7	1.3	2.3
23:00	332.5	328.8	297.8	325.8	43.4	30.8	28.2	.5	.8
Avg	333.0	336.0	312.0	334.0	36.6	28.1	22.5	.0	.0
Max	341.2	352.0	302.2	349.0	66.1	51.8	42.0	5.1	7.1
Hr. of Max	16	16	16	16	17	08	13	01	01
Min	29.1	24.5	13.2	20.6	18.3	15.6	9.1	.4	.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/12/2014

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	3.1	.6	1.4	3.3	1.0	3.6	1.2	1.4	.02
01:00	8.8	5.5	7.5	9.1	5.9	9.5	-3.1	-.3	-.51
02:00	7.4	5.1	6.6	7.7	5.5	8.1	-2.9	-.4	-.40
03:00	6.0	3.9	5.2	6.4	4.5	6.8	-1.9	3.5	-.25
04:00	6.9	4.6	6.0	7.2	5.2	7.5	-.3	.4	-.28
05:00	2.9	2.3	2.8	3.3	2.9	3.9	1.3	1.9	.02
06:00	3.3	2.5	3.3	3.5	3.1	4.0	1.6	2.6	.02
07:00	1.8	1.9	2.3	2.1	2.4	2.6	-.7	-2.1	-.03
08:00	2.2	1.5	2.2	2.5	2.1	3.1	-.1	4.2	-.05
09:00	4.8	2.6	4.1	4.9	3.2	5.5	1.0	.6	-.06
10:00	5.2	3.4	4.8	5.5	4.0	6.1	-.6	.3	-.18
11:00	1.4	2.5	2.7	2.9	3.2	3.6	-.4	6.4	-.06
12:00	5.6	4.6	5.6	5.9	4.8	6.5	-3.8	-5.2	-.43
13:00	2.8	3.0	3.2	3.4	3.6	4.1	.0	-7.4	.02
14:00	1.8	4.0	4.6	5.0	4.6	5.7	1.8	1.4	.05
15:00	5.6	4.7	5.4	6.0	5.1	6.5	-2.9	.3	-.51
16:00	1.9	2.3	3.0	3.3	2.8	3.9	-1.7	.8	-.16
17:00	3.6	1.8	3.1	4.0	2.6	4.7	5.5	8.4	.10
18:00	5.3	2.5	4.5	5.5	3.0	6.0	.6	-1.4	-.12
19:00	3.0	1.5	2.7	3.2	2.0	3.8	1.5	1.0	-.10
20:00	1.8	1.4	1.9	1.9	1.9	2.6	-3.1	-3.1	-.17
21:00	1.8	.9	1.7	1.8	1.3	2.4	-4.9	-3.8	-.18
22:00	2.6	1.5	2.5	2.6	1.9	3.2	-3.6	-7.1	-.19
23:00	1.0	.8	1.5	1.7	1.4	2.2	5.7	-.6	.09
Avg	.0	2.7	3.7	4.3	3.3	4.8	-.4	.1	-.14
Max	8.8	5.5	7.5	9.1	5.9	9.5	5.7	8.4	.10
Hr. of Max	01	01	01	01	01	01	23	17	17
Min	1.0	.6	1.4	1.7	1.0	2.2	-4.9	-7.4	-.51
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/12/2014

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	.09	1.8	4.1	7.8	2.2	8.0	6.6	3.5
01:00	-.30	17.6	19.5	19.5	19.1	23.6	12.1	8.9
02:00	-.21	14.4	17.2	14.7	13.9	16.3	13.4	10.7
03:00	.04	12.1	14.7	21.5	12.8	14.9	20.7	18.4
04:00	-.16	13.7	15.3	14.4	14.8	15.6	18.5	14.2
05:00	.09	10.8	9.6	10.1	9.3	11.3	16.8	15.7
06:00	.10	5.5	7.8	8.2	6.1	7.2	13.6	14.6
07:00	-.07	4.4	4.6	4.4	5.3	4.9	13.2	13.8
08:00	.16	6.4	6.4	6.0	6.9	6.5	22.4	19.4
09:00	-.05	6.9	8.5	8.2	7.2	9.6	22.0	14.2
10:00	-.02	9.2	14.0	10.3	10.5	12.5	21.0	14.4
11:00	.33	6.6	13.5	15.1	7.4	9.2	22.4	24.7
12:00	-.61	9.6	9.8	10.8	10.7	11.4	15.5	13.1
13:00	-.38	13.3	14.9	14.4	9.1	10.3	22.1	25.7
14:00	.06	11.2	11.4	11.7	11.9	13.0	16.5	17.4
15:00	-.33	17.6	16.9	18.5	12.5	12.4	19.3	18.0
16:00	-.04	6.9	8.9	8.7	7.6	9.1	22.5	20.4
17:00	.48	7.6	8.5	9.6	8.7	9.8	28.5	19.8
18:00	-.19	9.2	9.4	12.1	9.3	9.6	23.0	10.0
19:00	-.05	6.9	11.0	11.7	6.8	7.9	26.8	17.5
20:00	-.21	3.7	3.9	3.9	4.7	4.7	21.5	18.7
21:00	-.20	3.4	7.6	6.4	3.6	5.1	21.4	13.9
22:00	-.41	4.1	5.0	5.0	4.8	5.9	22.3	11.3
23:00	-.06	3.4	3.9	3.4	5.3	4.2	23.4	16.2
Avg	-.08	8.6	10.3	10.7	8.8	10.1	19.4	15.6
Max	.48	17.6	19.5	21.5	19.1	23.6	28.5	25.7
Hr. of Max	17	15	01	03	01	01	17	13
Min	-.61	1.8	3.9	3.4	2.2	4.2	6.6	3.5
Count	24	24	24	24	24	24	24	24
Total								