Date Printed: 10/22/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/21/2014

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	8.8	10.6	11.3	12.5	1.85	2.55	3.69	.70	1.85
01:00	8.2	10.1	11.0	11.8	1.89	2.75	3.58	.86	1.68
02:00	8.0	9.5	10.2	11.2	1.55	2.23	3.27	.68	1.71
03:00	7.5	9.1	9.9	10.6	1.58	2.33	3.07	.75	1.49
04:00	7.2	9.1	9.8	10.9	1.85	2.62	3.66	.77	1.81
05:00	6.9	8.6	9.4	10.4	1.69	2.52	3.54	.82	1.85
06:00	6.7	8.4	9.6	11.5	1.65	2.86	4.72	1.21	3.06
07:00	6.4	7.9	9.5	10.7	1.50	3.18	4.31	1.68	2.81
08:00	7.2	8.2	9.7	10.6	.99	2.50	3.38	1.51	2.39
09:00	11.0	10.6	11.2	12.0	-.45	.16	.97	.61	1.41
10:00	14.7	14.0	13.8	13.8	-.71	-.87	-.93	-.16	-.22
11:00	17.0	16.1	15.8	15.7	-.91	-1.18	-1.27	-.27	-.37
12:00	17.5	16.9	16.7	16.6	-.57	-.81	-.93	-.25	-.36
13:00	19.0	18.3	18.0	17.9	-.73	-1.00	-1.14	-.27	-.41
14:00	19.6	18.7	18.5	18.3	-.83	-1.13	-1.29	-.30	-.46
15:00	19.7	18.9	18.6	18.5	-.79	-1.09	-1.19	-.30	-.40
16:00	19.7	19.1	18.8	18.7	-.63	-.91	-1.02	-.28	-.40
17:00	18.2	18.0	17.9	17.8	-.13	-.29	-.32	-.16	-.19
18:00	16.4	17.2	17.1	17.2	.77	.71	.72	-.06	-.05
19:00	14.3	15.7	15.9	16.0	1.37	1.54	1.61	.16	.24
20:00	13.5	14.3	14.3	14.4	.80	.86	.90	.05	.10
21:00	12.0	12.8	12.8	12.9	.70	.80	.90	.10	.20
22:00	11.3	11.9	12.0	12.1	.64	.73	.86	.08	.22
23:00	9.9	11.1	11.3	11.6	1.24	1.46	1.71	.22	.47
Avg	12.5	13.1	13.5	13.9	.60	.94	1.37	.34	.77
Max	19.7	19.1	18.8	18.7	1.89	3.18	4.72	1.68	3.06
Hr. of Max	16	16	16	16	01	07	06	07	06
Min	6.4	7.9	9.4	10.4	-.91	-1.18	-1.29	-.30	-.46
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/21/2014

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	7.7	9.7	8.1	16.2	94.2	95.0	8.1	9.2	0.006733
01:00	7.3	9.2	7.6	16.0	94.5	95.4	7.9	8.9	0.006511
02:00	7.0	8.7	7.3	15.8	94.4	95.9	7.7	8.7	0.006388
03:00	6.6	8.4	6.9	15.6	94.4	96.0	7.5	8.4	0.006208
04:00	6.2	8.3	6.6	15.5	94.5	96.1	7.4	8.4	0.006074
05:00	6.0	7.9	6.3	15.3	94.7	96.1	7.2	8.2	0.005955
06:00	5.8	7.7	6.1	15.1	94.9	96.2	7.2	8.1	0.005904
07:00	5.5	7.2	5.8	14.9	95.1	96.3	7.0	7.8	0.005756
08:00	6.2	7.5	6.6	14.7	94.4	96.4	7.4	8.0	0.006066
09:00	9.3	9.0	9.9	14.6	90.5	91.6	9.0	8.8	0.007511
10:00	10.0	9.6	11.6	14.6	74.8	76.0	9.3	9.1	0.007901
11:00	9.2	8.7	11.8	14.9	61.2	62.4	8.8	8.5	0.007483
12:00	7.4	6.9	10.7	15.1	52.2	52.6	7.7	7.5	0.006601
13:00	5.8	5.4	10.2	15.4	42.8	43.5	6.9	6.7	0.005943
14:00	5.2	5.1	10.0	15.8	39.7	41.3	6.7	6.6	0.005734
15:00	4.6	4.3	9.6	16.3	37.6	38.7	6.4	6.3	0.00548
16:00	4.7	4.5	9.7	16.6	38.0	38.9	6.4	6.3	0.005531
17:00	5.4	5.1	9.7	16.8	43.9	43.3	6.8	6.6	0.005791
18:00	6.1	5.3	9.6	16.9	51.6	46.1	7.1	6.7	0.006076
19:00	6.8	5.7	9.3	16.9	61.3	52.2	7.5	6.9	0.006312
20:00	6.2	5.6	8.6	16.8	62.2	56.7	7.2	6.9	0.00606
21:00	5.9	5.5	7.9	16.6	66.7	61.9	7.1	6.9	0.00592
22:00	4.9	4.6	7.0	16.4	65.4	61.7	6.6	6.5	0.005507
23:00	4.9	4.5	6.6	16.2	72.1	64.4	6.7	6.4	0.005527
Avg	6.4	6.9	8.5	15.8	71.3	70.6	7.4	7.6	0.006207
Max	10.0	9.7	11.8	16.9	95.1	96.4	9.3	9.2	0.007901
Hr. of Max	10	00	11	19	07	08	10	00	10
Min	4.6	4.3	5.8	14.6	37.6	38.7	6.4	6.3	0.00548
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/21/2014

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	0.007687	10.6	12.0	.00	29.10	985.5	-2.1	.00	255.2
01:00	0.00747	10.2	11.7	.00	29.10	985.3	-2.8	.00	243.5
02:00	0.007211	10.0	11.3	.00	29.09	985.2	-1.1	.00	241.5
03:00	0.007029	9.7	11.0	.00	29.09	985.0	-2.4	.00	232.3
04:00	0.00701	9.5	11.0	.00	29.08	984.9	-2.0	.00	193.4
05:00	0.006791	9.3	10.6	.00	29.08	984.9	-2.0	.00	226.6
06:00	0.006708	9.3	10.5	.00	29.09	985.0	-2.1	.00	230.0
07:00	0.006467	9.0	10.1	.00	29.09	985.3	.0	.00	226.8
08:00	0.006622	9.5	10.4	.00	29.10	985.6	121.2	.17	225.4
09:00	0.007367	11.8	11.5	.00	29.12	986.2	301.9	.43	217.8
10:00	0.007662	12.4	12.0	.00	29.12	986.3	489.3	.70	234.3
11:00	0.0072	11.7	11.3	.00	29.12	986.3	628.3	.90	236.7
12:00	0.006412	10.4	10.1	.00	29.12	986.1	347.7	.50	263.2
13:00	0.005778	9.3	9.1	.00	29.10	985.6	617.1	.88	290.3
14:00	0.005652	9.0	8.9	.00	29.08	984.8	598.5	.86	318.7
15:00	0.005368	8.6	8.4	.00	29.08	984.6	551.4	.79	284.5
16:00	0.005455	8.7	8.6	.00	29.08	984.7	408.5	.59	273.4
17:00	0.005659	9.1	8.9	.00	29.08	984.9	132.9	.19	275.1
18:00	0.005724	9.5	9.0	.00	29.10	985.4	36.6	.05	309.7
19:00	0.005876	9.9	9.2	.00	29.12	986.3	-1.6	.00	2.6
20:00	0.005822	9.5	9.2	.00	29.15	987.0	-2.7	.00	41.7
21:00	0.005753	9.3	9.1	.00	29.17	987.9	-1.6	.00	45.6
22:00	0.005429	8.7	8.6	.00	29.19	988.5	-2.4	.00	50.1
23:00	0.005368	8.7	8.5	.00	29.20	988.7	-2.4	.00	42.8
Avg	0.006397	9.7	10.0	.00	29.11	985.8	175.3	.25	262.0
Max	0.007687	12.4	12.0	.00	29.20	988.7	628.3	.90	318.7
Hr. of Max	00	10	10	23	23	23	11	11	14
Min	0.005368	8.6	8.4	.00	29.08	984.6	-2.8	.00	2.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/21/2014

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	243.1	225.0	264.2	227.8	12.7	5.7	6.6	1.5	3.1
01:00	247.8	242.3	254.6	244.3	13.9	10.5	8.5	1.2	2.5
02:00	241.1	217.1	254.1	219.7	42.7	24.9	12.3	.6	1.3
03:00	242.6	208.2	257.2	210.7	43.1	47.4	14.2	.3	.5
04:00	287.3	210.2	259.2	214.6	44.1	32.9	25.7	.8	.6
05:00	238.9	255.8	247.8	257.1	36.8	49.0	13.2	.9	.3
06:00	234.8	258.0	243.8	259.3	11.5	6.9	5.8	2.9	4.2
07:00	240.1	266.4	239.1	268.1	6.6	11.2	6.7	3.3	2.0
08:00	248.1	253.5	237.1	255.1	6.1	6.7	3.4	4.0	3.0
09:00	244.5	267.9	230.3	269.3	11.3	9.7	10.0	2.9	3.5
10:00	248.3	257.6	247.2	259.1	25.6	19.9	16.4	4.4	5.5
11:00	250.0	249.7	249.3	251.3	30.2	23.6	21.0	4.8	6.1
12:00	274.7	279.6	272.2	279.3	49.2	39.9	33.3	2.6	3.6
13:00	295.9	300.2	298.7	299.3	53.7	43.4	35.9	2.6	4.0
14:00	328.6	324.6	327.6	321.8	53.0	39.8	33.4	3.1	4.9
15:00	299.6	304.6	295.2	303.0	35.2	27.0	23.7	5.6	7.3
16:00	283.9	288.2	284.6	287.7	29.6	25.4	21.3	6.2	8.2
17:00	295.8	303.5	282.9	302.0	32.0	28.2	23.5	3.0	4.2
18:00	325.2	327.3	314.8	323.9	37.9	32.9	24.3	1.8	2.9
19:00	8.5	3.6	10.3	359.4	31.9	18.3	15.8	1.7	4.5
20:00	35.4	33.4	49.4	29.5	31.1	16.5	12.5	2.8	6.3
21:00	46.0	46.7	55.0	42.9	26.0	13.4	8.9	2.3	6.0
22:00	45.4	45.4	57.6	41.7	25.2	11.8	7.5	2.5	6.1
23:00	44.7	46.1	51.4	42.2	16.7	10.3	6.8	2.3	5.5
Avg	281.0	281.0	278.0	282.0	29.4	23.1	16.3	.0	.0
Max	328.6	327.3	327.6	359.4	53.7	49.0	35.9	6.2	8.2
Hr. of Max	14	18	14	19	13	05	13	16	16
Min	8.5	3.6	10.3	29.5	6.1	5.7	3.4	.3	.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/21/2014

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	4.4	1.6	3.2	4.4	2.1	4.9	1.2	2.0	.02
01:00	3.9	1.3	2.6	4.0	1.8	4.4	.8	2.3	.02
02:00	2.2	.7	1.4	2.3	1.3	2.7	2.0	.1	.03
03:00	1.3	.4	.7	1.4	.9	1.8	2.1	-1.2	.03
04:00	1.2	.9	.9	1.3	1.3	1.7	1.3	-.6	.02
05:00	1.6	1.0	.4	1.7	1.6	2.0	1.3	1.1	.02
06:00	5.6	3.0	4.3	5.7	3.6	6.2	-1.1	1.5	-.09
07:00	3.9	3.3	2.1	3.9	3.8	4.2	-2.2	.7	-.16
08:00	4.1	4.0	3.0	4.2	4.6	4.6	-1.2	-.3	-.11
09:00	4.8	3.0	3.5	4.9	3.4	5.2	.8	-.7	-.02
10:00	6.2	4.9	5.9	6.4	5.5	7.1	.7	1.3	-.23
11:00	6.7	5.4	6.6	7.1	6.2	7.9	-.3	.5	-.21
12:00	4.5	3.5	4.4	5.3	4.1	6.0	1.5	-3.5	-.15
13:00	4.8	4.0	5.4	6.0	4.6	6.8	.3	1.9	-.17
14:00	6.0	4.7	6.4	7.3	5.4	8.0	.3	-.7	-.20
15:00	8.4	7.1	8.6	9.7	7.8	10.2	-5.7	-3.7	-.93
16:00	9.8	6.8	8.8	10.3	7.4	10.9	-2.1	-1.5	-.60
17:00	5.8	3.4	4.7	6.3	3.9	6.8	1.5	-2.1	-.07
18:00	4.6	2.2	3.5	5.2	2.7	5.7	-.8	.7	-.16
19:00	6.1	2.5	5.2	6.9	2.9	7.4	-1.5	-1.0	-.17
20:00	8.2	3.1	6.6	8.5	3.4	9.2	.9	-.3	-.11
21:00	8.4	2.5	6.2	8.5	3.0	9.0	-1.8	-.2	-.20
22:00	8.9	2.7	6.3	9.0	3.1	9.6	-.1	-.3	-.15
23:00	8.3	2.4	5.6	8.3	2.6	8.8	-2.6	-.4	-.20
Avg	.0	3.1	4.4	5.8	3.6	6.3	-.2	-.2	-.16
Max	9.8	7.1	8.8	10.3	7.8	10.9	2.1	2.3	.03
Hr. of Max	16	15	16	16	15	16	03	01	03
Min	1.2	.4	.4	1.3	.9	1.7	-5.7	-3.7	-.93
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/21/2014

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	.17	3.2	5.0	7.6	3.8	6.1	5.6	2.0
01:00	.19	3.7	8.7	11.0	3.3	6.1	5.8	2.6
02:00	.01	3.2	2.5	4.1	3.0	4.7	6.4	3.4
03:00	-.03	1.8	3.7	5.7	2.7	4.0	6.5	5.9
04:00	.01	3.2	2.5	4.4	3.7	4.8	6.2	6.1
05:00	.04	3.7	3.0	4.1	4.2	4.1	6.1	4.3
06:00	.15	7.3	6.9	9.6	7.4	10.4	6.0	2.8
07:00	.05	5.0	7.3	7.3	5.8	6.2	3.6	3.9
08:00	-.02	8.0	5.5	9.4	6.7	5.7	4.3	2.3
09:00	-.09	8.5	6.9	9.2	6.6	9.7	11.9	6.8
10:00	-.10	12.4	12.4	14.4	13.0	14.9	18.3	14.4
11:00	-.21	11.4	13.3	14.0	13.3	15.2	18.3	17.3
12:00	-.70	18.3	16.5	21.1	12.7	13.1	24.4	20.9
13:00	-.02	12.1	14.4	14.2	12.6	15.3	25.4	22.0
14:00	-.37	14.2	17.6	18.5	17.1	20.1	23.6	19.3
15:00	-.91	20.4	20.6	22.2	22.6	21.7	17.0	14.5
16:00	-.86	20.4	19.7	24.7	23.6	25.9	20.4	17.5
17:00	-.51	14.7	14.2	15.8	14.1	17.3	21.4	17.0
18:00	-.23	9.8	14.9	15.3	10.7	17.2	23.0	17.5
19:00	-.22	8.7	12.6	14.9	9.6	16.9	17.3	9.0
20:00	-.14	10.5	14.9	20.4	10.4	15.9	22.1	8.9
21:00	-.07	9.4	15.3	16.0	10.7	16.6	18.5	6.4
22:00	-.10	9.6	15.8	17.9	10.4	18.1	18.7	6.0
23:00	-.11	6.0	10.5	14.9	6.6	16.3	15.1	5.4
Avg	-.17	9.4	11.0	13.2	9.8	12.8	14.4	9.8
Max	.19	20.4	20.6	24.7	23.6	25.9	25.4	22.0
Hr. of Max	01	16	15	16	16	16	13	13
Min	-.91	1.8	2.5	4.1	2.7	4.0	3.6	2.0
Count	24	24	24	24	24	24	24	24
Total								