Date Printed: 11/24/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/23/2014

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	6.6	8.7	9.9	10.9	2.11	3.36	4.37	1.25	2.25
01:00	6.4	8.8	10.4	11.4	2.43	4.03	5.03	1.60	2.60
02:00	6.2	8.5	9.9	11.2	2.36	3.71	5.05	1.35	2.69
03:00	6.8	7.7	8.0	8.7	.95	1.26	1.97	.31	1.02
04:00	7.7	8.1	8.0	8.3	.38	.36	.65	-.02	.26
05:00	7.9	8.1	8.0	8.0	.15	.04	.04	-.11	-.11
06:00	7.9	8.3	8.2	8.3	.37	.33	.42	-.03	.05
07:00	8.0	8.6	8.6	8.7	.59	.59	.70	.00	.11
08:00	8.3	8.7	8.6	8.7	.35	.30	.32	-.05	-.03
09:00	9.0	9.0	8.9	8.9	.00	-.14	-.14	-.13	-.13
10:00	10.0	9.8	9.6	9.6	-.13	-.33	-.40	-.20	-.26
11:00	9.0	9.3	9.4	9.4	.27	.35	.45	.08	.18
12:00	8.9	8.8	8.8	8.9	-.07	-.12	-.03	-.05	.04
13:00	9.6	9.6	9.5	9.6	-.06	-.12	-.08	-.06	-.02
14:00	10.2	10.3	10.2	10.3	.08	.05	.11	-.03	.03
15:00	10.8	10.9	10.9	11.0	.11	.08	.14	-.03	.03
16:00	11.3	11.4	11.4	11.4	.12	.06	.12	-.06	-.01
17:00	11.6	11.8	11.8	11.9	.26	.24	.32	-.02	.06
18:00	11.8	12.2	12.1	12.2	.34	.32	.43	-.01	.09
19:00	12.0	12.5	12.6	12.8	.53	.62	.84	.09	.31
20:00	12.2	13.0	13.2	13.4	.78	.98	1.25	.20	.46
21:00	14.2	14.7	14.8	14.9	.50	.55	.69	.05	.19
22:00	15.6	16.0	16.0	16.1	.40	.40	.48	.00	.08
23:00	16.1	16.4	16.4	16.4	.31	.28	.33	-.03	.03
Avg	9.9	10.5	10.6	10.9	.55	.72	.96	.17	.41
Max	16.1	16.4	16.4	16.4	2.43	4.03	5.05	1.60	2.69
Hr. of Max	23	23	23	23	01	01	02	01	02
Min	6.2	7.7	8.0	8.0	-.13	-.33	-.40	-.20	-.26
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/23/2014

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	2.0	1.4	3.6	7.2	73.5	60.8	5.5	5.2	0.004493
01:00	2.3	1.5	3.7	7.2	76.2	60.8	5.6	5.3	0.00459
02:00	2.3	1.5	3.6	7.2	77.1	62.3	5.6	5.3	0.004587
03:00	3.0	2.5	4.3	7.2	77.5	70.3	5.9	5.7	0.004814
04:00	2.4	1.4	4.2	7.3	69.8	63.3	5.6	5.2	0.004619
05:00	.8	.3	3.2	7.3	61.1	58.3	5.0	4.8	0.004115
06:00	.8	.1	3.2	7.3	61.4	56.9	5.0	4.8	0.004125
07:00	.7	-.1	3.1	7.4	60.5	54.9	5.0	4.7	0.004092
08:00	2.2	.8	4.2	7.4	65.8	58.1	5.5	5.0	0.004563
09:00	2.5	1.8	4.7	7.4	64.4	61.3	5.6	5.4	0.004679
10:00	2.6	2.1	5.0	7.5	60.7	59.2	5.7	5.5	0.004708
11:00	5.4	4.5	6.6	7.6	79.8	73.2	6.9	6.5	0.005771
12:00	7.3	6.8	7.8	7.8	90.5	87.9	7.9	7.6	0.006558
13:00	8.0	7.8	8.6	7.9	90.7	89.5	8.2	8.1	0.006912
14:00	8.9	8.8	9.3	8.1	92.8	91.7	8.7	8.7	0.007351
15:00	9.7	9.7	10.1	8.2	93.8	93.1	9.2	9.2	0.007772
16:00	10.3	10.4	10.6	8.4	94.6	94.3	9.5	9.6	0.008123
17:00	10.6	10.9	10.9	8.6	95.1	94.9	9.8	9.9	0.008311
18:00	10.9	11.3	11.2	9.0	95.7	96.1	10.0	10.2	0.008505
19:00	11.1	11.6	11.4	9.1	95.9	95.9	10.1	10.4	0.008604
20:00	11.3	11.8	11.6	9.2	95.9	94.3	10.2	10.5	0.00874
21:00	12.4	12.4	13.0	9.2	90.3	87.6	10.9	10.9	0.009392
22:00	12.7	12.7	13.7	9.3	83.9	81.8	11.0	11.0	0.009562
23:00	12.8	12.8	13.9	9.4	82.3	80.8	11.1	11.1	0.009648
Avg	6.4	6.0	7.6	8.0	80.4	76.1	7.6	7.5	0.006443
Max	12.8	12.8	13.9	9.4	95.9	96.1	11.1	11.1	0.009648
Hr. of Max	23	23	23	23	20	18	23	23	23
Min	.7	-.1	3.1	7.2	60.5	54.9	5.0	4.7	0.004092
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/23/2014

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	0.004288	7.1	6.8	.00	29.25	990.4	-1.8	.00	58.6
01:00	0.004323	7.3	6.8	.00	29.23	989.8	-.6	.00	247.4
02:00	0.004344	7.2	6.9	.00	29.22	989.5	-1.4	.00	94.6
03:00	0.004657	7.6	7.4	.00	29.21	989.1	-1.9	.00	52.7
04:00	0.004301	7.3	6.8	.00	29.18	988.3	-2.2	.00	50.0
05:00	0.003967	6.5	6.3	.00	29.16	987.6	-2.4	.00	61.7
06:00	0.003919	6.5	6.2	.00	29.14	986.8	-2.3	.00	54.0
07:00	0.003869	6.4	6.1	.00	29.12	986.1	.9	.00	51.1
08:00	0.004123	7.2	6.5	.00	29.11	985.7	43.3	.06	53.9
09:00	0.004452	7.4	7.0	.00	29.09	985.0	52.6	.08	56.4
10:00	0.00455	7.4	7.1	.00	29.06	984.0	91.4	.13	57.0
11:00	0.005404	9.0	8.5	.05	29.02	982.6	52.1	.07	37.8
12:00	0.006342	10.2	9.9	.03	28.96	980.6	122.8	.18	53.9
13:00	0.006793	10.8	10.6	.00	28.90	978.8	62.8	.09	39.5
14:00	0.007306	11.4	11.3	.02	28.84	976.6	39.7	.06	49.9
15:00	0.007777	12.0	12.0	.06	28.78	974.8	28.6	.04	60.8
16:00	0.008168	12.5	12.6	.04	28.72	972.6	14.3	.02	60.2
17:00	0.008444	12.8	13.0	.18	28.71	972.1	-1.9	.00	60.7
18:00	0.00873	13.1	13.4	.08	28.67	970.9	-2.2	.00	44.2
19:00	0.008913	13.2	13.7	.00	28.66	970.5	-1.8	.00	252.5
20:00	0.009039	13.4	13.9	.00	28.66	970.6	-1.9	.00	244.3
21:00	0.009411	14.4	14.5	.01	28.66	970.6	-2.3	.00	227.7
22:00	0.009561	14.7	14.7	.00	28.67	970.9	-2.5	.00	211.3
23:00	0.009656	14.8	14.9	.00	28.69	971.7	-1.9	.00	212.9
Avg	0.006347	10.0	9.9	.02	28.95	980.2	20.1	.03	56.0
Max	0.009656	14.8	14.9	.18	29.25	990.4	122.8	.18	252.5
Hr. of Max	23	23	23	17	00	00	12	12	19
Min	0.003869	6.4	6.1	.00	28.66	970.5	-2.5	.00	37.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/23/2014

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	73.1	121.9	62.5	120.8	45.0	21.1	44.8	.8	2.0
01:00	314.6	318.6	236.6	318.1	63.2	45.8	25.0	.4	1.0
02:00	253.7	279.7	111.4	282.1	43.5	42.7	45.3	.2	.1
03:00	52.4	62.5	57.1	59.7	18.9	8.4	8.8	2.0	4.7
04:00	53.2	61.8	53.8	58.8	21.6	9.9	6.3	2.1	4.9
05:00	60.8	59.4	63.7	56.4	35.1	19.1	9.9	2.0	4.2
06:00	58.5	58.0	57.6	55.1	26.0	12.4	7.4	1.7	4.6
07:00	58.6	61.5	56.4	58.6	26.0	11.2	6.8	2.0	5.1
08:00	60.8	63.6	57.9	60.7	24.2	11.8	7.4	1.9	4.7
09:00	60.4	63.6	60.0	60.7	32.5	15.7	9.0	2.3	5.2
10:00	57.0	59.6	58.5	56.6	29.3	16.4	10.8	2.8	5.7
11:00	46.6	54.1	34.7	51.3	34.6	20.0	13.7	1.8	4.2
12:00	60.4	61.6	56.1	58.5	35.8	18.8	9.9	1.9	4.6
13:00	56.1	58.2	39.2	54.8	33.7	13.9	12.1	1.6	4.1
14:00	60.1	64.1	52.5	61.3	27.7	14.1	8.9	2.2	5.0
15:00	65.7	63.9	63.9	60.7	25.5	14.5	8.2	3.4	7.2
16:00	63.6	61.6	62.8	58.4	26.3	15.2	8.4	4.0	8.5
17:00	66.2	65.9	65.1	62.4	34.6	17.0	10.8	2.5	5.7
18:00	51.4	56.8	39.9	53.7	48.4	23.5	15.6	1.7	4.6
19:00	276.9	268.9	260.7	280.0	34.2	37.9	35.5	.9	.4
20:00	239.1	223.0	251.6	225.4	23.3	14.8	12.8	2.8	4.9
21:00	219.8	208.1	234.0	210.4	24.1	17.6	14.5	4.0	6.6
22:00	215.4	209.6	218.6	212.1	22.7	18.6	15.8	8.4	11.6
23:00	218.6	214.4	220.3	217.2	20.4	16.3	12.2	9.7	13.5
Avg	55.0	64.0	58.0	57.0	31.5	19.0	15.0	.0	.0
Max	314.6	318.6	260.7	318.1	63.2	45.8	45.3	9.7	13.5
Hr. of Max	01	01	19	01	01	01	02	23	23
Min	46.6	54.1	34.7	51.3	18.9	8.4	6.3	.2	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/23/2014

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	1.2	3.2	2.5	1.6	3.0	1.5	2.6	.03
01:00	1.6	.9	1.5	2.6	1.4	3.0	2.2	.7	.04
02:00	2.5	.8	.8	2.6	1.3	2.8	2.4	3.4	.05
03:00	4.9	2.1	4.8	5.0	2.5	5.5	-.2	-1.6	-.07
04:00	6.0	2.3	5.0	6.1	2.7	6.5	-.5	-2.3	-.14
05:00	5.9	2.3	4.4	6.0	2.8	6.5	.4	-1.8	-.07
06:00	6.4	1.9	4.7	6.5	2.2	7.0	.2	-.7	-.08
07:00	7.4	2.1	5.2	7.4	2.6	7.9	-1.4	-.9	-.15
08:00	6.1	2.1	4.8	6.1	2.6	6.6	-.8	-.8	-.13
09:00	7.3	2.5	5.4	7.4	3.0	7.9	2.0	-1.0	-.03
10:00	7.8	3.1	6.0	7.9	3.5	8.4	2.3	-.7	-.07
11:00	5.5	2.0	4.4	5.7	2.4	6.2	-2.0	.6	-.15
12:00	6.4	2.2	4.8	6.5	2.8	7.0	-1.2	-1.1	-.16
13:00	4.8	1.8	4.2	4.9	2.3	5.4	-1.1	-1.8	-.16
14:00	7.0	2.4	5.1	7.1	2.9	7.6	-2.5	.2	-.22
15:00	10.3	3.7	7.4	10.4	4.0	11.0	1.7	-.2	-.06
16:00	12.3	4.3	8.8	12.4	4.9	13.0	.2	-.3	-.25
17:00	8.4	2.8	5.9	8.5	3.3	9.0	-.8	.5	-.18
18:00	7.0	2.0	4.8	7.0	2.5	7.5	-3.5	-1.6	-.21
19:00	.2	2.6	4.1	4.5	3.0	4.9	-1.2	-.1	-.11
20:00	7.2	3.0	5.1	7.4	3.5	8.0	-.9	-.4	-.16
21:00	9.0	4.3	7.0	9.3	5.1	10.0	-.7	-.8	-.21
22:00	14.6	9.0	12.2	15.1	10.0	16.0	-.2	.2	-.29
23:00	17.3	10.3	14.1	17.7	10.9	18.6	1.2	.5	-.07
Avg	.0	3.0	5.6	7.4	3.5	7.9	-.1	-.3	-.12
Max	17.3	10.3	14.1	17.7	10.9	18.6	2.4	3.4	.05
Hr. of Max	23	23	23	23	23	23	02	02	02
Min	.2	.8	.8	2.5	1.3	2.8	-3.5	-2.3	-.29
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/23/2014

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	.14	3.7	9.4	15.1	3.8	8.8	9.5	13.6
01:00	.04	3.4	7.6	5.7	3.9	5.9	12.5	11.4
02:00	.17	6.0	4.4	9.4	3.7	5.3	9.5	6.1
03:00	-.19	5.3	8.0	7.8	6.5	8.3	10.1	3.4
04:00	-.26	5.7	8.7	11.7	6.3	9.6	16.5	3.5
05:00	-.24	6.4	11.0	13.7	7.0	11.4	18.8	6.6
06:00	-.11	4.8	8.9	11.7	5.8	10.7	17.3	5.1
07:00	-.16	6.6	10.1	12.8	7.3	13.3	16.2	4.9
08:00	-.12	6.0	7.8	10.8	7.0	10.3	18.4	6.2
09:00	-.18	7.1	10.3	14.7	8.4	12.9	19.8	6.8
10:00	-.16	12.1	12.6	14.2	10.5	14.5	21.4	8.6
11:00	-.05	6.9	10.3	13.3	8.3	11.5	19.2	10.1
12:00	-.17	7.3	14.2	19.0	9.0	12.3	21.1	6.5
13:00	-.20	5.7	9.6	12.4	7.7	12.5	22.1	7.4
14:00	.02	8.2	14.0	16.5	9.8	17.8	20.3	7.1
15:00	-.10	11.2	18.8	25.4	11.1	17.9	20.6	6.6
16:00	-.14	11.7	19.0	22.4	13.2	19.2	19.9	6.4
17:00	-.03	9.2	14.2	19.7	10.5	14.7	18.9	8.0
18:00	-.11	8.0	15.8	16.7	8.5	16.9	21.5	7.9
19:00	-.06	8.0	13.7	21.5	8.5	12.0	12.3	8.8
20:00	-.14	9.6	13.3	17.2	9.7	19.1	10.6	8.1
21:00	-.25	13.7	16.7	18.3	15.5	20.7	16.3	10.1
22:00	-.18	28.4	36.6	32.3	28.8	35.3	14.7	11.4
23:00	-.09	26.3	35.7	47.6	29.4	43.0	15.5	9.3
Avg	-.11	9.2	13.8	17.1	10.0	15.2	16.8	7.7
Max	.17	28.4	36.6	47.6	29.4	43.0	22.1	13.6
Hr. of Max	02	22	22	23	23	23	13	00
Min	-.26	3.4	4.4	5.7	3.7	5.3	9.5	3.4
Count	24	24	24	24	24	24	24	24
Total								