Date Printed: 12/25/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

12/24/2014

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	11.3	11.5	11.4	11.4	.18	.07	.11	-.11	-.07
01:00	11.2	11.4	11.3	11.3	.20	.10	.09	-.10	-.11
02:00	11.3	11.7	11.6	11.6	.33	.27	.27	-.06	-.06
03:00	11.4	11.7	11.7	11.7	.31	.27	.28	-.04	-.03
04:00	11.3	11.6	11.6	11.7	.35	.35	.42	.00	.07
05:00	11.3	11.6	11.5	11.6	.25	.17	.24	-.07	-.01
06:00	11.5	11.7	11.6	11.6	.19	.10	.12	-.09	-.07
07:00	11.6	11.9	11.9	11.9	.31	.27	.29	-.04	-.02
08:00	11.7	12.0	11.9	11.9	.23	.15	.15	-.08	-.08
09:00	11.9	12.1	12.0	12.0	.17	.09	.08	-.08	-.09
10:00	12.5	12.5	12.3	12.3	.00	-.15	-.19	-.16	-.19
11:00	13.0	12.9	12.7	12.6	-.14	-.34	-.41	-.21	-.27
12:00	13.5	13.4	13.2	13.2	-.09	-.27	-.33	-.18	-.23
13:00	13.9	13.8	13.6	13.5	-.11	-.30	-.39	-.19	-.28
14:00	13.5	13.4	13.3	13.2	-.10	-.27	-.35	-.18	-.25
15:00	11.6	11.6	11.5	11.4	-.03	-.17	-.21	-.13	-.18
16:00	9.7	9.8	9.8	9.8	.06	.02	.02	-.04	-.05
17:00	8.6	8.7	8.6	8.6	.11	.02	.01	-.09	-.09
18:00	8.2	8.3	8.2	8.3	.16	.07	.07	-.09	-.09
19:00	7.8	8.0	7.9	8.0	.18	.09	.12	-.08	-.05
20:00	7.5	7.7	7.6	7.7	.16	.11	.19	-.05	.02
21:00	7.1	7.4	7.4	7.4	.26	.22	.31	-.04	.05
22:00	6.8	7.2	7.3	7.4	.40	.48	.62	.08	.21
23:00	6.6	7.0	7.0	7.2	.35	.42	.55	.06	.20
Avg	10.6	10.8	10.7	10.7	.16	.07	.09	-.08	-.07
Max	13.9	13.8	13.6	13.5	.40	.48	.62	.08	.21
Hr. of Max	13	13	13	13	22	22	22	22	22
Min	6.6	7.0	7.0	7.2	-.14	-.34	-.41	-.21	-.28
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/24/2014

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	10.6	10.8	10.8	10.1	96.4	97.0	9.7	9.9	0.008224
01:00	10.5	10.8	10.7	10.2	96.3	97.0	9.7	9.8	0.008181
02:00	10.5	10.9	10.8	10.2	96.1	96.4	9.7	9.9	0.008232
03:00	10.6	10.9	10.9	10.1	96.1	96.4	9.7	10.0	0.008273
04:00	10.5	10.9	10.8	10.1	96.1	96.5	9.7	9.9	0.008221
05:00	10.6	10.9	10.8	10.2	96.4	97.0	9.7	10.0	0.008282
06:00	10.8	11.1	11.0	10.2	96.4	97.1	9.9	10.0	0.008387
07:00	10.9	11.2	11.1	10.2	96.4	96.8	9.9	10.1	0.008429
08:00	11.0	11.3	11.2	10.3	96.5	96.9	10.0	10.2	0.008499
09:00	11.2	11.4	11.4	10.3	96.4	96.7	10.1	10.2	0.008626
10:00	11.7	11.7	12.0	10.3	96.2	96.1	10.4	10.4	0.008934
11:00	12.0	11.9	12.3	10.4	94.5	95.1	10.6	10.6	0.009099
12:00	12.1	12.0	12.5	10.5	92.4	92.5	10.7	10.6	0.009172
13:00	12.1	12.0	12.7	10.6	90.4	90.3	10.7	10.6	0.0092
14:00	12.0	12.0	12.5	10.8	91.8	92.5	10.6	10.6	0.00915
15:00	10.0	10.1	10.6	11.0	91.0	91.7	9.4	9.5	0.008043
16:00	7.5	7.4	8.2	11.1	86.8	85.9	8.0	7.9	0.00671
17:00	6.0	5.8	6.9	11.1	84.7	83.1	7.2	7.1	0.006036
18:00	5.6	5.3	6.4	11.0	84.5	82.2	7.0	6.9	0.005851
19:00	4.4	4.2	5.6	10.8	79.8	77.4	6.5	6.4	0.005386
20:00	4.4	4.2	5.4	10.6	81.4	79.1	6.5	6.4	0.005367
21:00	4.5	4.1	5.4	10.5	84.2	80.4	6.5	6.3	0.00541
22:00	4.6	4.1	5.3	10.3	86.9	81.2	6.6	6.3	0.00545
23:00	4.5	4.0	5.2	10.1	87.3	82.3	6.6	6.3	0.005413
Avg	9.1	9.1	9.6	10.5	91.5	90.7	9.0	9.0	0.007607
Max	12.1	12.0	12.7	11.1	96.5	97.1	10.7	10.6	0.0092
Hr. of Max	13	14	13	17	08	06	13	14	13
Min	4.4	4.0	5.2	10.1	79.8	77.4	6.5	6.3	0.005367
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/24/2014

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	0.008374	12.8	13.0	.09	28.88	978.2	-2.3	.00	231.9
01:00	0.008348	12.7	12.9	.01	28.84	976.6	-1.9	.00	83.7
02:00	0.008442	12.7	13.1	.01	28.82	976.1	-2.2	.00	63.5
03:00	0.008468	12.8	13.1	.03	28.80	975.3	-2.5	.00	42.9
04:00	0.008445	12.7	13.1	.06	28.79	975.0	-2.3	.00	41.9
05:00	0.008474	12.8	13.1	.09	28.75	973.7	-2.7	.00	48.8
06:00	0.008549	12.9	13.2	.09	28.74	973.2	-2.5	.00	53.5
07:00	0.008641	13.0	13.3	.07	28.75	973.8	-1.6	.00	53.8
08:00	0.008668	13.1	13.4	.02	28.75	973.6	5.4	.01	45.2
09:00	0.008748	13.3	13.5	.00	28.71	972.3	20.8	.03	27.6
10:00	0.008924	13.8	13.8	.00	28.71	972.4	74.9	.11	260.6
11:00	0.009074	14.0	14.0	.00	28.70	972.0	137.5	.20	159.8
12:00	0.009126	14.1	14.0	.00	28.68	971.3	118.6	.17	229.1
13:00	0.009133	14.1	14.0	.00	28.65	970.2	122.3	.18	243.6
14:00	0.00916	14.1	14.1	.04	28.63	969.7	58.8	.08	258.6
15:00	0.008084	12.4	12.5	.04	28.67	970.9	33.0	.05	254.1
16:00	0.006666	10.4	10.3	.01	28.73	972.8	12.9	.02	251.4
17:00	0.005966	9.4	9.3	.00	28.77	974.4	-.9	.00	245.1
18:00	0.005754	9.1	9.0	.00	28.83	976.5	-2.8	.00	243.1
19:00	0.005292	8.4	8.2	.00	28.88	977.9	-2.2	.00	241.6
20:00	0.005279	8.4	8.2	.00	28.91	978.9	-2.1	.00	234.2
21:00	0.005262	8.4	8.2	.00	28.93	979.7	-2.2	.00	237.8
22:00	0.005237	8.5	8.2	.00	28.95	980.3	-3.0	.00	228.9
23:00	0.005228	8.5	8.2	.00	28.96	980.7	-2.5	.00	225.0
Avg	0.007639	11.8	11.8	.02	28.78	974.8	22.9	.04	248.0
Max	0.00916	14.1	14.1	.09	28.96	980.7	137.5	.20	260.6
Hr. of Max	14	14	14	06	23	23	11	11	10
Min	0.005228	8.4	8.2	.00	28.63	969.7	-3.0	.00	27.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/24/2014

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	230.0	216.5	237.6	218.7	18.1	13.9	17.4	2.3	3.8
01:00	96.1	102.5	85.8	99.5	40.3	25.7	21.2	2.9	4.8
02:00	73.6	78.9	65.6	74.9	37.1	21.3	14.2	1.9	3.9
03:00	48.8	53.1	41.3	48.8	45.3	19.5	11.7	1.7	4.5
04:00	61.6	67.1	46.8	62.5	59.9	27.2	10.5	.8	1.9
05:00	56.3	61.8	47.2	57.7	26.9	13.2	8.1	2.1	4.7
06:00	54.7	55.3	54.2	51.1	24.7	13.1	8.2	2.2	4.6
07:00	53.6	56.0	54.9	51.5	23.6	13.4	8.9	1.1	3.1
08:00	49.8	58.1	44.7	53.0	44.7	28.1	29.6	1.7	3.5
09:00	36.7	39.2	27.9	34.4	37.3	17.9	14.1	1.7	3.9
10:00	291.1	304.7	263.3	302.7	40.4	26.5	20.9	.8	1.1
11:00	174.5	157.7	169.1	157.6	53.7	62.3	57.2	.6	.5
12:00	241.8	237.2	233.9	238.8	30.9	23.5	18.1	3.2	4.6
13:00	248.0	244.2	248.0	245.7	25.8	23.1	22.7	3.4	4.8
14:00	263.4	258.1	263.1	259.3	23.2	17.7	15.0	3.5	5.4
15:00	261.0	260.8	259.5	262.7	21.6	18.4	15.3	8.1	11.3
16:00	260.3	260.8	257.1	263.0	19.0	15.9	13.0	7.5	10.5
17:00	258.2	259.7	251.4	261.8	21.7	18.4	14.2	5.5	7.9
18:00	252.4	253.2	249.0	255.4	22.4	15.6	12.3	3.8	5.9
19:00	253.5	254.3	248.2	256.7	19.2	15.6	11.8	4.1	6.3
20:00	242.5	242.6	239.1	245.0	18.9	12.1	9.0	3.7	6.5
21:00	237.1	231.1	242.1	233.7	17.7	8.9	6.7	2.4	4.8
22:00	228.4	227.0	234.1	230.1	15.7	8.3	6.1	2.4	4.8
23:00	225.9	221.4	230.4	224.7	13.3	7.0	5.3	3.1	5.7
Avg	256.0	242.0	260.0	256.0	29.2	19.4	15.5	.0	.0
Max	291.1	304.7	263.3	302.7	59.9	62.3	57.2	8.1	11.3
Hr. of Max	10	10	10	10	04	11	11	15	15
Min	36.7	39.2	27.9	34.4	13.3	7.0	5.3	.6	.5
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)

12/24/2014

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	4.3	2.5	3.8	4.5	3.0	4.9	-.5	-1.1	-.07
01:00	6.2	3.2	5.3	6.7	3.7	7.2	1.4	2.1	-.03
02:00	5.2	2.3	4.3	5.5	2.7	5.8	-.7	.6	-.06
03:00	6.4	2.1	4.7	6.5	2.6	7.0	-1.0	.4	-.15
04:00	3.0	.9	2.1	3.1	1.4	3.5	.9	-.6	-.03
05:00	6.3	2.3	4.8	6.4	2.6	6.8	-.2	-1.1	-.11
06:00	6.4	2.4	4.8	6.5	2.7	6.9	-.8	-1.8	-.12
07:00	4.3	1.3	3.2	4.4	1.7	4.7	-.1	-1.3	-.03
08:00	4.7	2.4	4.1	5.0	2.8	5.4	-3.2	-2.2	-.13
09:00	5.2	2.3	4.4	5.8	2.7	6.2	-.7	-.6	-.14
10:00	1.3	1.8	2.9	3.2	2.3	3.6	-1.6	1.6	-.05
11:00	.6	1.0	1.3	1.5	1.7	1.9	-1.3	-5.1	.02
12:00	5.9	3.5	5.0	6.2	4.1	6.8	-1.5	-.1	-.17
13:00	5.8	3.7	5.2	6.3	4.3	6.8	1.9	-.9	-.08
14:00	6.6	3.8	5.6	6.8	4.3	7.2	2.0	1.6	-.06
15:00	14.5	8.6	11.8	15.0	9.5	15.7	-.4	.4	-.38
16:00	13.4	7.9	11.0	13.8	8.7	14.5	-.6	-.7	-.42
17:00	10.4	5.9	8.3	10.7	6.7	11.4	1.1	1.5	-.12
18:00	7.7	4.0	6.1	7.9	4.6	8.5	.1	.5	-.16
19:00	8.1	4.3	6.6	8.3	5.0	8.9	-.1	1.4	-.19
20:00	8.8	3.9	6.7	8.9	4.6	9.5	-.2	.8	-.15
21:00	6.4	2.6	4.9	6.5	3.0	7.0	-.5	.9	-.09
22:00	6.3	2.5	4.9	6.4	3.0	6.9	-.7	.6	-.07
23:00	7.5	3.2	5.7	7.5	3.7	8.1	-1.2	.1	-.12
Avg	.0	3.3	5.3	6.8	3.8	7.3	-.3	-.1	-.12
Max	14.5	8.6	11.8	15.0	9.5	15.7	2.0	2.1	.02
Hr. of Max	15	15	15	15	15	15	14	01	11
Min	.6	.9	1.3	1.5	1.4	1.9	-3.2	-5.1	-.42
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/24/2014

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	-.11	5.7	6.6	7.1	6.5	7.2	10.4	5.4
01:00	.18	11.9	14.4	16.9	12.2	18.4	15.0	8.4
02:00	.03	15.1	17.4	16.5	10.1	12.3	18.2	8.0
03:00	-.02	7.6	15.1	16.3	9.7	13.1	19.8	8.0
04:00	-.06	4.1	6.0	6.4	4.9	7.0	13.8	5.8
05:00	-.15	6.6	8.9	11.7	7.2	11.9	19.7	5.9
06:00	-.23	6.4	10.5	11.7	7.1	12.5	17.3	5.7
07:00	-.11	5.0	7.6	9.8	4.7	7.7	17.6	4.9
08:00	-.09	8.0	11.2	12.8	9.0	12.9	16.9	10.8
09:00	-.10	7.6	10.8	11.7	8.2	12.4	18.1	7.2
10:00	.10	5.0	9.4	10.5	5.7	7.6	15.9	8.3
11:00	-.10	4.6	5.0	6.2	5.4	6.8	21.4	16.5
12:00	-.11	10.3	11.7	16.5	11.7	17.0	16.9	11.9
13:00	-.17	11.9	12.4	13.1	11.4	13.9	18.5	12.4
14:00	.09	11.7	17.4	17.9	13.1	19.4	17.8	11.1
15:00	-.15	29.3	34.3	39.6	28.4	45.3	15.8	10.4
16:00	-.43	25.9	27.5	31.1	26.8	34.5	14.8	9.5
17:00	.06	16.3	22.0	23.1	22.5	23.4	16.4	10.9
18:00	-.04	11.9	15.1	17.6	13.6	19.8	15.7	8.8
19:00	.11	11.9	25.4	30.7	13.6	20.7	14.9	8.8
20:00	.09	10.1	13.7	16.9	11.3	14.6	13.5	5.8
21:00	.09	6.9	11.0	11.4	7.1	11.0	10.8	4.3
22:00	.07	7.1	10.3	15.6	6.2	10.4	9.2	3.4
23:00	.01	7.3	15.3	13.3	8.4	13.0	8.5	3.2
Avg	-.04	10.3	14.1	16.0	11.0	15.5	15.7	8.1
Max	.18	29.3	34.3	39.6	28.4	45.3	21.4	16.5
Hr. of Max	01	15	15	15	15	15	11	11
Min	-.43	4.1	5.0	6.2	4.7	6.8	8.5	3.2
Count	24	24	24	24	24	24	24	24
Total								