Date Printed: 09/29/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/28/2014

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	16.8	17.6	18.1	18.9	.81	1.30	2.08	.50	1.27
01:00	16.8	17.5	17.8	18.4	.70	.99	1.59	.28	.89
02:00	16.7	17.4	17.6	18.0	.67	.90	1.31	.22	.64
03:00	16.8	17.2	17.7	18.3	.38	.92	1.51	.54	1.13
04:00	16.4	17.2	17.4	18.0	.80	1.04	1.68	.24	.88
05:00	16.0	16.9	17.2	18.0	.96	1.27	1.99	.30	1.03
06:00	16.0	16.9	17.0	17.2	.90	1.01	1.28	.11	.38
07:00	16.3	16.5	16.5	16.6	.29	.25	.31	-.04	.02
08:00	17.3	17.1	16.9	16.8	-.26	-.47	-.54	-.21	-.28
09:00	18.9	18.4	18.2	18.0	-.42	-.69	-.83	-.26	-.40
10:00	20.5	19.9	19.5	19.4	-.59	-.94	-1.10	-.35	-.51
11:00	23.1	21.9	21.5	21.3	-1.27	-1.67	-1.83	-.40	-.56
12:00	24.3	23.3	23.0	22.8	-.99	-1.35	-1.47	-.36	-.48
13:00	24.7	23.8	23.5	23.4	-.85	-1.15	-1.30	-.30	-.45
14:00	25.6	24.6	24.2	24.1	-.99	-1.35	-1.49	-.36	-.50
15:00	25.5	24.8	24.5	24.3	-.66	-.99	-1.16	-.33	-.49
16:00	25.7	25.0	24.6	24.5	-.70	-1.01	-1.13	-.32	-.44
17:00	25.6	25.0	24.7	24.7	-.56	-.82	-.90	-.27	-.34
18:00	23.8	23.7	24.1	24.3	-.13	.33	.50	.46	.63
19:00	21.2	21.6	22.7	23.1	.43	1.54	1.96	1.11	1.53
20:00	20.4	21.2	21.7	22.0	.83	1.27	1.57	.44	.73
21:00	20.1	20.7	20.9	21.1	.69	.89	1.04	.21	.35
22:00	19.9	20.3	20.5	20.6	.35	.56	.70	.20	.35
23:00	19.7	19.9	20.4	20.7	.17	.61	.99	.44	.81
Avg	20.3	20.4	20.4	20.6	.02	.10	.28	.08	.26
Max	25.7	25.0	24.7	24.7	.96	1.54	2.08	1.11	1.53
Hr. of Max	16	17	17	17	05	19	00	19	19
Min	16.0	16.5	16.5	16.6	-1.27	-1.67	-1.83	-.40	-.56
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/28/2014

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	15.2	16.2	15.7	23.6	91.8	93.4	12.9	13.8	0.011053
01:00	15.1	16.2	15.7	23.4	91.6	93.8	12.9	13.7	0.011016
02:00	15.1	16.1	15.7	23.2	91.9	94.1	12.9	13.7	0.011016
03:00	15.2	16.0	15.7	23.0	92.1	94.4	13.0	13.6	0.011081
04:00	15.0	16.1	15.4	22.8	93.1	95.1	12.8	13.7	0.010897
05:00	14.6	15.9	15.0	22.6	93.1	95.5	12.5	13.5	0.010624
06:00	14.6	15.7	15.1	22.5	93.4	94.6	12.5	13.4	0.010657
07:00	15.1	15.5	15.5	22.3	94.8	95.0	12.9	13.2	0.01102
08:00	15.4	15.2	16.0	22.1	90.1	90.6	13.1	13.0	0.011212
09:00	15.7	15.6	16.8	22.0	83.7	84.9	13.3	13.2	0.011465
10:00	15.7	15.5	17.3	22.1	75.6	77.6	13.2	13.1	0.011443
11:00	15.4	15.1	18.0	22.2	63.4	66.8	12.9	12.6	0.011274
12:00	14.5	14.5	17.8	22.5	55.7	58.8	12.2	12.1	0.010661
13:00	15.1	15.1	18.3	23.1	56.6	59.3	12.6	12.6	0.011072
14:00	14.9	14.9	18.4	23.5	52.9	56.1	12.4	12.4	0.010922
15:00	14.5	14.4	18.2	23.9	51.9	53.7	12.1	12.1	0.010686
16:00	14.0	13.9	17.9	24.2	49.8	51.5	11.7	11.7	0.010361
17:00	14.3	14.0	18.0	24.4	50.8	51.7	11.9	11.7	0.010514
18:00	16.1	15.7	18.7	24.5	63.5	62.3	13.4	13.1	0.011823
19:00	16.5	16.2	18.1	24.5	76.4	73.1	13.9	13.6	0.012121
20:00	16.4	16.5	17.7	24.4	79.4	76.1	13.8	13.9	0.012023
21:00	16.7	16.8	17.8	24.2	82.8	79.6	14.1	14.1	0.012261
22:00	16.9	16.9	17.9	24.0	84.7	82.8	14.3	14.3	0.012442
23:00	17.1	17.2	18.0	23.9	86.8	86.0	14.5	14.5	0.012604
Avg	15.4	15.6	17.0	23.3	76.9	77.8	13.0	13.2	0.01126
Max	17.1	17.2	18.7	24.5	94.8	95.5	14.5	14.5	0.012604
Hr. of Max	23	23	18	19	07	05	23	23	23
Min	14.0	13.9	15.0	22.0	49.8	51.5	11.7	11.7	0.010361
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/28/2014

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	0.011834	17.3	18.5	.00	29.23	990.0	-3.4	.00	267.2
01:00	0.011807	17.2	18.4	.00	29.23	989.9	-3.1	.00	284.7
02:00	0.011763	17.2	18.4	.00	29.24	990.1	-1.5	.00	309.0
03:00	0.011635	17.3	18.2	.00	29.24	990.1	-1.0	.00	246.6
04:00	0.011709	17.0	18.3	.00	29.24	990.2	-1.2	.00	271.0
05:00	0.011599	16.6	18.1	.00	29.25	990.5	-1.9	.00	304.2
06:00	0.011429	16.7	17.9	.00	29.25	990.6	-2.9	.00	55.3
07:00	0.011245	17.3	17.6	.00	29.26	991.0	12.0	.02	54.9
08:00	0.011091	17.6	17.4	.00	29.27	991.2	206.8	.30	60.8
09:00	0.011331	17.9	17.7	.00	29.28	991.4	243.7	.35	78.0
10:00	0.011322	17.9	17.7	.00	29.27	991.3	354.6	.51	86.7
11:00	0.010998	17.6	17.2	.00	29.26	991.0	717.4	1.03	134.4
12:00	0.010616	16.7	16.6	.00	29.25	990.5	627.9	.90	41.5
13:00	0.011021	17.3	17.2	.00	29.24	990.1	398.1	.57	304.0
14:00	0.010923	17.1	17.1	.00	29.21	989.3	576.6	.83	2.3
15:00	0.01062	16.7	16.6	.00	29.20	988.7	377.0	.54	94.9
16:00	0.010275	16.2	16.1	.00	29.18	988.2	368.8	.53	108.8
17:00	0.010343	16.4	16.2	.00	29.17	988.0	241.5	.35	108.9
18:00	0.011485	18.4	17.9	.00	29.17	987.8	76.3	.11	303.1
19:00	0.011907	18.9	18.6	.00	29.17	987.8	1.8	.00	327.6
20:00	0.012123	18.7	18.9	.00	29.17	987.7	-1.6	.00	352.5
21:00	0.0123	19.1	19.2	.00	29.17	987.8	-3.1	.00	357.1
22:00	0.012428	19.4	19.3	.00	29.17	987.7	-3.4	.00	290.7
23:00	0.012631	19.6	19.7	.00	29.16	987.7	-2.7	.00	317.0
Avg	0.011435	17.6	17.9	.00	29.22	989.5	174.0	.25	355.0
Max	0.012631	19.6	19.7	.00	29.28	991.4	717.4	1.03	357.1
Hr. of Max	23	23	23	23	09	09	11	11	21
Min	0.010275	16.2	16.1	.00	29.16	987.7	-3.4	.00	2.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/28/2014

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	243.5	239.0	274.4	239.8	24.4	17.0	9.6	.8	1.1
01:00	265.3	226.3	279.8	226.3	28.9	37.4	23.0	.2	.0
02:00	251.5	184.4	300.6	183.5	56.9	54.6	28.6	.3	.1
03:00	286.3	233.8	253.8	234.1	15.5	25.6	8.6	1.0	.6
04:00	235.1	220.6	278.1	219.3	23.8	45.3	8.5	.3	.1
05:00	38.7	166.0	298.1	144.5	55.7	32.1	30.6	.1	.3
06:00	71.1	67.8	62.7	62.8	19.5	9.9	8.1	.5	1.5
07:00	56.1	61.7	61.7	57.6	19.4	9.5	5.8	1.7	4.4
08:00	59.7	64.1	69.9	60.3	23.5	16.1	14.5	2.2	3.6
09:00	71.3	68.9	87.4	65.1	25.9	24.1	14.7	2.7	3.1
10:00	76.0	71.3	96.5	67.7	34.0	29.9	22.3	2.0	2.2
11:00	124.6	111.5	144.8	109.6	41.0	34.7	31.6	2.5	2.7
12:00	41.5	46.9	48.5	40.4	44.5	34.7	33.5	1.9	2.4
13:00	316.2	320.2	301.8	315.4	39.3	34.6	32.3	1.6	2.0
14:00	10.0	1.6	353.7	356.9	52.0	55.1	55.4	.8	1.6
15:00	98.1	97.7	105.5	92.7	42.1	34.9	30.6	2.2	2.6
16:00	109.2	107.0	119.9	104.0	31.1	31.8	29.4	2.5	2.8
17:00	107.0	100.8	118.4	97.5	46.9	33.4	24.1	1.6	2.2
18:00	325.0	20.0	303.9	16.3	23.6	22.2	62.3	.7	.5
19:00	53.4	50.7	331.4	45.8	15.4	43.9	30.9	.5	1.1
20:00	53.2	79.5	4.6	75.7	29.1	26.0	7.5	.4	1.1
21:00	56.6	66.1	1.8	63.5	23.9	42.2	15.7	.7	1.0
22:00	205.5	111.4	297.5	111.4	27.1	36.7	40.6	.6	.1
23:00	35.2	29.5	309.1	23.5	56.0	46.9	26.1	.3	.7
Avg	51.0	81.0	353.0	75.0	33.3	32.4	24.8	.0	.0
Max	325.0	320.2	353.7	356.9	56.9	55.1	62.3	2.7	4.4
Hr. of Max	18	13	14	14	02	14	18	09	07
Min	10.0	1.6	1.8	16.3	15.4	9.5	5.8	.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)

9/28/2014

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	2.3	.9	1.2	2.3	1.4	2.6	1.5	.7	.02
01:00	.9	.3	.0	1.0	.6	1.3	1.5	.6	.02
02:00	.4	.4	.2	.4	.7	.8	2.0	-1.4	.02
03:00	1.3	1.1	.6	1.4	1.6	1.7	.8	.0	.01
04:00	1.1	.5	.1	1.1	1.0	1.5	1.2	.4	.02
05:00	.1	.2	.4	.2	.6	.6	1.8	-.3	.02
06:00	1.9	.5	1.6	1.9	1.0	2.3	3.0	1.0	.04
07:00	5.6	1.8	4.5	5.6	2.2	6.0	-2.3	-1.8	-.19
08:00	3.9	2.5	3.8	4.0	2.9	4.4	-1.2	1.4	-.18
09:00	3.7	2.9	3.4	3.9	3.4	4.4	1.5	-1.3	.04
10:00	2.7	2.3	2.5	2.9	2.9	3.4	3.3	.9	.13
11:00	2.9	3.1	3.3	3.5	3.9	4.3	5.2	4.1	.39
12:00	2.6	2.7	3.1	3.4	3.3	4.2	-3.5	-3.8	-.24
13:00	2.4	2.2	2.6	2.9	2.7	3.5	-3.6	-9.6	-.25
14:00	1.8	2.7	2.9	2.8	3.3	3.6	-.7	4.3	-.09
15:00	2.8	2.8	3.3	3.3	3.5	4.1	8.1	9.2	.40
16:00	2.9	2.9	3.3	3.3	3.6	4.2	3.4	3.4	.13
17:00	2.5	1.9	2.4	2.8	2.5	3.3	1.3	-3.7	.07
18:00	.1	.7	.6	.2	1.1	.6	5.1	-5.8	.07
19:00	.9	.5	1.1	1.0	.9	1.3	3.8	-.2	.07
20:00	1.6	.6	1.1	1.6	1.0	1.9	1.8	.5	.03
21:00	1.2	.9	1.1	1.2	1.2	1.6	2.0	-.6	.03
22:00	.8	1.1	.9	1.1	1.5	1.5	-.4	.4	-.03
23:00	1.2	.4	1.0	1.5	.9	1.8	3.6	2.4	.06
Avg	.0	1.5	1.9	2.2	2.0	2.7	1.6	.0	.02
Max	5.6	3.1	4.5	5.6	3.9	6.0	8.1	9.2	.40
Hr. of Max	07	11	07	07	11	07	15	15	15
Min	.1	.2	.0	.2	.6	.6	-3.6	-9.6	-.25
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/28/2014

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	.03	2.3	2.7	4.4	2.8	4.5	7.2	3.1
01:00	.02	1.6	1.1	2.7	2.0	2.4	6.4	5.9
02:00	-.03	1.4	1.4	1.4	1.8	2.0	7.9	12.1
03:00	.02	3.0	2.3	3.0	3.1	2.8	5.8	5.8
04:00	.02	4.6	1.4	3.4	3.0	2.6	8.4	4.6
05:00	.00	1.1	1.4	2.1	1.4	2.3	7.8	8.5
06:00	.03	1.8	2.7	4.4	2.1	4.8	9.1	5.5
07:00	-.20	4.8	7.8	8.7	5.5	9.1	16.5	4.1
08:00	.04	6.9	6.9	8.5	7.8	9.5	21.5	13.8
09:00	-.12	9.4	8.2	12.1	8.1	8.4	20.7	15.8
10:00	.09	7.1	8.9	6.9	7.6	7.4	25.1	23.9
11:00	.44	7.1	7.6	8.0	8.6	9.6	21.7	25.0
12:00	-.26	8.7	8.9	8.9	10.4	9.9	26.0	28.9
13:00	-.66	6.6	7.1	8.0	7.1	8.4	27.5	25.1
14:00	.32	8.7	7.8	8.0	9.1	8.8	28.5	32.1
15:00	.58	8.2	7.8	8.2	10.6	10.6	22.5	24.1
16:00	.26	8.5	8.7	9.6	10.0	10.3	22.8	23.4
17:00	-.33	6.2	6.4	6.4	7.1	7.4	24.8	25.9
18:00	-.12	2.5	2.5	2.1	2.5	2.7	17.0	24.0
19:00	-.01	1.8	2.7	2.5	2.1	2.8	10.3	8.9
20:00	.03	2.5	2.7	3.9	3.0	3.1	7.5	5.1
21:00	-.04	1.8	2.3	3.0	2.4	3.0	8.0	7.3
22:00	.02	3.0	3.0	5.0	2.8	3.4	7.3	12.9
23:00	.08	2.3	4.1	3.2	2.4	3.1	9.7	7.6
Avg	.01	4.7	4.9	5.6	5.1	5.8	15.4	14.7
Max	.58	9.4	8.9	12.1	10.6	10.6	28.5	32.1
Hr. of Max	15	09	12	09	15	15	14	14
Min	-.66	1.1	1.1	1.4	1.4	2.0	5.8	3.1
Count	24	24	24	24	24	24	24	24
Total								