Date Printed: 04/22/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/21/2015

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	10.8	11.6	11.9	2.02	2.78	3.07	.76	1.05
01:00	8.1	10.4	11.2	11.6	2.31	3.10	3.51	.79	1.21
02:00	7.4	9.2	10.0	10.7	1.84	2.62	3.33	.78	1.49
03:00	7.0	8.8	9.5	10.0	1.82	2.48	3.06	.66	1.24
04:00	6.5	8.2	8.9	10.0	1.71	2.33	3.49	.62	1.77
05:00	5.8	7.3	8.2	8.8	1.42	2.32	2.95	.90	1.53
06:00	5.4	7.0	7.5	8.2	1.56	2.06	2.80	.50	1.24
07:00	5.5	6.9	7.4	8.1	1.44	1.97	2.62	.53	1.18
08:00	8.4	8.2	8.4	8.7	-.16	.01	.25	.17	.41
09:00	11.5	11.2	11.0	10.9	-.34	-.54	-.61	-.20	-.28
10:00	14.0	13.4	13.1	13.0	-.56	-.85	-1.00	-.29	-.44
11:00	15.4	14.7	14.4	14.2	-.72	-1.02	-1.21	-.30	-.48
12:00	16.5	15.7	15.3	15.1	-.84	-1.17	-1.35	-.32	-.50
13:00	17.5	16.5	16.1	16.0	-1.04	-1.38	-1.49	-.34	-.45
14:00	18.5	17.3	17.0	16.9	-1.13	-1.46	-1.58	-.33	-.45
15:00	19.0	18.0	17.7	17.5	-.97	-1.32	-1.47	-.36	-.50
16:00	19.4	18.6	18.2	18.0	-.89	-1.23	-1.43	-.34	-.54
17:00	19.2	18.6	18.3	18.1	-.59	-.92	-1.10	-.33	-.51
18:00	18.7	18.4	18.2	18.1	-.25	-.51	-.62	-.27	-.37
19:00	17.1	17.4	17.4	17.4	.35	.29	.34	-.06	-.01
20:00	12.5	15.1	15.8	16.2	2.65	3.32	3.74	.67	1.09
21:00	10.1	13.0	14.0	14.8	2.94	3.88	4.73	.94	1.79
22:00	8.5	11.4	12.2	13.3	2.84	3.70	4.75	.85	1.91
23:00	7.3	9.7	11.4	12.8	2.40	4.08	5.49	1.69	3.10
Avg	12.0	12.7	13.0	13.3	.74	1.02	1.34	.28	.60
Max	19.4	18.6	18.3	18.1	2.94	4.08	5.49	1.69	3.10
Hr. of Max	16	17	17	18	21	23	23	23	23
Min	5.4	6.9	7.4	8.1	-1.13	-1.46	-1.58	-.36	-.54
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/21/2015

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	7.1	6.7	7.7	17.1	90.2	76.2	7.8	7.5	0.006488
01:00	6.8	6.4	7.2	16.8	92.3	77.2	7.6	7.4	0.006326
02:00	6.3	6.7	6.6	16.5	93.4	84.8	7.4	7.5	0.006102
03:00	5.9	6.4	6.3	16.3	94.0	85.7	7.2	7.4	0.005964
04:00	5.6	6.4	5.9	16.0	94.6	88.9	7.0	7.4	0.005813
05:00	5.0	6.1	5.3	15.7	94.9	93.3	6.8	7.3	0.005565
06:00	4.6	6.0	4.9	15.4	95.1	94.3	6.6	7.2	0.005412
07:00	4.7	6.0	4.9	15.2	95.3	94.9	6.6	7.2	0.005438
08:00	6.6	6.0	7.2	14.9	89.7	86.8	7.5	7.2	0.006248
09:00	6.6	5.6		14.7	73.1	69.6	7.5	7.0	0.006256
10:00	1.4	-.1	5.6	14.7	43.1	40.3	5.2	4.7	0.004351
11:00	-1.1	-2.7	4.4	15.0	32.9	30.6	4.3	3.8	0.003644
12:00	-2.2	-3.9	4.0	15.5	28.3	26.4	4.0	3.5	0.003366
13:00	-2.7	-4.7	4.1	16.1	25.8	23.7	3.8	3.3	0.003271
14:00	-2.7	-4.7	4.3	16.8	24.2	22.4	3.8	3.3	0.003265
15:00	-2.8	-4.6	4.4	17.3	23.3	21.6	3.8	3.3	0.003245
16:00	-3.2	-5.1	4.3	17.6	22.0	20.1	3.7	3.2	0.003152
17:00	-3.6	-5.1	4.0	17.8	21.6	20.0	3.6	3.2	0.003061
18:00	-2.9	-4.0	4.3	18.0	23.6	22.0	3.8	3.5	0.003231
19:00	-1.6	-2.8	4.6	17.9	28.9	25.6	4.2	3.8	0.003542
20:00	3.2	-1.6	6.3	17.7	54.1	32.3	5.9	4.1	0.004945
21:00	3.9	-.4	5.9	17.4	66.1	40.4	6.2	4.6	0.005171
22:00	3.5	.4	5.2	17.1	71.2	47.3	6.1	4.8	0.00502
23:00	3.3	1.4	4.6	16.8	76.4	56.8	6.0	5.2	0.004954
Avg	2.2	1.0	5.3	16.4	60.6	53.4	5.7	5.3	0.004743
Max	7.1	6.7	7.7	18.0	95.3	94.9	7.8	7.5	0.006488
Hr. of Max	00	02	00	18	07	07	00	02	00
Min	-3.6	-5.1	4.0	14.7	21.6	20.0	3.6	3.2	0.003061
Count	24	24	23	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/21/2015

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	0.006281	10.1	9.8	.00	28.98	981.3	-2.4	.00	251.4
01:00	0.006183	9.9	9.7	.00	28.99	981.8	-2.4	.00	270.5
02:00	0.006274	9.5	9.8	.00	28.99	981.8	-2.7	.00	13.1
03:00	0.00616	9.3	9.6	.00	28.99	981.8	-1.0	.00	342.8
04:00	0.006146	9.1	9.6	.00	29.00	982.1	-1.6	.00	275.1
05:00	0.006033	8.7	9.4	.00	29.00	982.2	-2.3	.00	301.2
06:00	0.00598	8.5	9.4	.00	29.02	982.8	-1.3	.00	301.9
07:00	0.005977	8.5	9.4	.00	29.04	983.5	58.3	.08	283.6
08:00	0.00598	9.8	9.4	.00	29.05	983.9	266.1	.38	218.5
09:00	0.005824	9.8	9.1	.00	29.07	984.3	501.0	.72	203.0
10:00	0.003918	6.8	6.2	.00	29.07	984.6	685.2	.98	254.6
11:00	0.003227	5.7	5.1	.00	29.08	984.8	887.1	1.27	273.3
12:00	0.002974	5.3	4.7	.00	29.07	984.6	908.3	1.30	247.9
13:00	0.002809	5.1	4.4	.00	29.06	984.1	1014.3	1.45	246.1
14:00	0.002813	5.1	4.4	.00	29.04	983.6	990.9	1.42	242.1
15:00	0.002829	5.1	4.4	.00	29.02	982.8	911.5	1.31	249.0
16:00	0.002734	5.0	4.3	.00	29.00	982.1	763.3	1.09	253.2
17:00	0.002731	4.8	4.3	.00	29.00	982.1	448.3	.64	258.6
18:00	0.002965	5.1	4.7	.00	29.00	982.0	264.7	.38	241.6
19:00	0.003224	5.6	5.1	.00	28.99	981.7	82.8	.12	231.5
20:00	0.003511	7.7	5.5	.00	28.99	981.6	.9	.00	274.7
21:00	0.003838	8.1	6.0	.00	29.00	982.0	-2.2	.00	351.7
22:00	0.004036	7.9	6.3	.00	29.01	982.5	-2.4	.00	284.0
23:00	0.004327	7.8	6.8	.00	29.02	982.8	-2.5	.00	263.3
Avg	0.004449	7.4	7.0	.00	29.02	982.8	323.4	.46	267.0
Max	0.006281	10.1	9.8	.00	29.08	984.8	1014.3	1.45	351.7
Hr. of Max	00	00	02	23	11	11	13	13	21
Min	0.002731	4.8	4.3	.00	28.98	981.3	-2.7	.00	13.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/21/2015

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	215.3	238.5	253.7	239.9	23.7	11.5	9.7	1.1	2.8
01:00	220.9	236.0	272.5	237.6	13.3	3.2	4.8	1.2	3.3
02:00	140.7	204.1	18.7	205.5	22.2	38.5	8.8	.3	.4
03:00	343.3	235.7	340.1	236.3	46.4	40.6	20.9	.9	.9
04:00	218.7	265.4	275.7	265.6	24.5	37.7	8.8	1.3	2.2
05:00	258.8	239.4	256.6	240.6	37.7	44.0	12.6	.6	1.0
06:00	227.4	223.4	294.2	225.4	23.6	49.4	12.3	.5	.5
07:00	238.0	224.8	276.6	226.4	36.4	14.0	7.9	.8	1.7
08:00	231.5	231.2	223.9	233.4	17.8	11.0	6.4	2.0	3.0
09:00	221.7	226.0	208.0	227.9	26.4	28.5	21.5	2.5	2.6
10:00	268.8	270.0	260.1	268.6	42.7	39.4	37.0	3.3	4.3
11:00	282.6	283.0	277.8	281.7	40.4	33.9	27.8	5.0	6.5
12:00	261.3	265.0	254.1	264.5	39.2	34.3	31.4	6.6	8.6
13:00	255.5	256.7	252.3	257.0	37.3	31.8	26.2	6.5	8.4
14:00	247.0	246.0	247.9	247.7	28.6	23.3	21.4	6.5	8.5
15:00	256.0	253.1	254.7	253.7	36.9	29.6	24.4	5.9	7.8
16:00	258.6	260.2	257.1	260.6	35.9	28.5	25.1	6.0	8.0
17:00	265.3	264.7	264.6	265.2	28.3	23.7	20.9	7.5	9.9
18:00	246.1	243.1	246.8	244.8	24.7	20.2	15.5	6.3	8.8
19:00	231.0	229.6	236.5	231.6	20.4	14.9	11.0	3.9	6.7
20:00	232.8	218.6	275.0	221.2	12.1	6.9	5.0	1.3	3.5
21:00	15.2	197.0	356.5	198.1	43.4	36.9	11.3	.4	.3
22:00	250.8	205.7	249.9	207.3	49.2	46.8	10.7	.2	.3
23:00	237.5	226.5	261.4	228.7	21.7	7.4	5.9	1.1	3.4
Avg	246.0	239.0	265.0	240.0	30.5	27.3	16.1	.0	.0
Max	343.3	283.0	356.5	281.7	49.2	49.4	37.0	7.5	9.9
Hr. of Max	03	11	21	11	22	06	10	17	17
Min	15.2	197.0	18.7	198.1	12.1	3.2	4.8	.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)

4/21/2015

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	4.2	1.3	2.9	4.3	1.7	4.7	-1.0	2.5	-.04
01:00	4.6	1.4	3.4	4.7	1.7	5.1	-.2	2.9	-.01
02:00	3.0	.4	1.0	3.2	.7	3.6	1.6	.4	.02
03:00	2.1	1.3	1.3	3.2	1.7	3.5	.7	1.1	.01
04:00	3.5	1.3	2.3	3.7	1.6	4.0	-1.8	.3	-.05
05:00	2.7	.6	1.4	2.8	1.0	3.2	-.1	1.7	-.01
06:00	1.6	.5	.6	1.7	.8	2.1	-.7	.7	-.01
07:00	2.6	.9	1.8	2.7	1.2	3.1	.8	1.4	.01
08:00	3.8	2.1	3.0	3.8	2.6	4.3	.2	-.5	-.06
09:00	2.8	2.8	2.8	2.9	3.3	3.5	3.8	3.0	.14
10:00	5.2	4.8	5.9	6.6	5.4	7.2	-4.4	-4.4	-.45
11:00	7.6	6.1	7.6	8.7	6.7	9.4	-4.1	-.7	-.77
12:00	9.8	7.8	10.0	11.2	8.8	12.1	-2.0	1.3	-.58
13:00	9.4	7.8	9.5	10.2	8.5	11.2	-1.1	-.4	-.39
14:00	9.3	7.2	9.1	9.9	7.8	10.8	-.2	-1.7	-.26
15:00	9.1	7.1	9.0	10.2	7.8	11.0	-.6	.3	-.40
16:00	9.1	7.1	9.1	10.2	7.8	11.0	.9	1.3	-.19
17:00	11.4	8.3	10.5	12.0	8.7	12.7	-1.2	-1.5	-.50
18:00	10.5	7.0	9.3	10.9	7.6	11.7	.2	.6	-.21
19:00	8.7	4.2	7.0	8.9	4.8	9.6	.6	1.9	-.07
20:00	5.5	1.5	3.5	5.6	1.7	6.0	-1.1	.9	-.04
21:00	2.6	.5	.9	2.6	.8	3.0	3.8	1.3	.06
22:00	2.6	.2	.3	2.7	.5	3.0	1.1	.8	.02
23:00	6.1	1.2	3.4	6.1	1.7	6.6	.9	2.5	.02
Avg	.0	3.5	4.8	6.2	4.0	6.8	-.2	.7	-.16
Max	11.4	8.3	10.5	12.0	8.8	12.7	3.8	3.0	.14
Hr. of Max	17	17	17	17	12	17	21	09	09
Min	1.6	.2	.3	1.7	.5	2.1	-4.4	-4.4	-.77
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/21/2015

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	.19	3.2	6.0	8.5	3.8	9.1	7.4	5.5
01:00	.26	4.6	7.8	11.2	3.5	7.4	6.5	3.4
02:00	.05	1.6	7.1	10.5	1.8	6.0	8.3	6.0
03:00	.03	7.8	9.8	9.4	9.8	10.2	10.7	7.8
04:00	.05	3.2	5.3	5.7	3.7	6.1	7.5	4.8
05:00	.09	5.5	10.3	10.8	4.0	6.4	6.1	5.0
06:00	.03	2.3	2.1	6.0	2.5	3.4	8.4	3.8
07:00	.08	2.5	3.7	5.0	3.0	4.5	7.0	3.2
08:00	-.04	5.0	5.7	6.4	7.3	6.3	13.6	4.8
09:00	.12	7.3	7.8	6.9			21.0	21.2
10:00	-.87	18.5	18.8	18.8	18.6	20.0	19.2	20.0
11:00	-.48	19.2	20.6	25.2	19.6	25.6	21.9	17.8
12:00	-.16	22.7	32.3	38.5	24.2	26.5	18.7	18.0
13:00	-.44	22.2	30.5	24.0	25.7	26.3	19.1	18.5
14:00	-.38	18.8	19.7	22.2	19.5	24.5	19.3	15.6
15:00	-.32	19.2	21.1	25.0	21.1	24.9	20.3	17.2
16:00	-.02	20.4	21.8	23.8	21.0	23.2	19.9	16.1
17:00	-.71	25.9	31.8	27.7	26.4	27.2	17.1	13.7
18:00	-.05	24.5	29.1	32.5	19.4	28.3	17.0	10.1
19:00	.24	11.2	14.9	19.2	13.2	16.4	14.7	7.9
20:00	.10	4.8	9.8	14.4	5.4	11.1	6.8	3.0
21:00	.05	3.0	4.6	10.8	2.1	6.8	8.5	6.9
22:00	.03	1.6	2.5	5.3	1.9	5.6	8.6	6.5
23:00	.30	3.2	5.7	8.9	3.9	9.6	6.4	1.8
Avg	-.08	10.8	13.7	15.7	11.4	14.6	13.1	9.9
Max	.30	25.9	32.3	38.5	26.4	28.3	21.9	21.2
Hr. of Max	23	17	12	12	17	18	11	09
Min	-.87	1.6	2.1	5.0	1.8	3.4	6.1	1.8
Count	24	24	24	24	23	23	24	24
Total								