Date Printed: 04/01/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/31/2015

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	6.1	8.8	10.1	11.9	2.74	4.00	5.82	1.26	3.07
01:00	4.9	7.6	9.0	11.2	2.70	4.05	6.24	1.36	3.55
02:00	4.0	6.3	7.3	9.4	2.34	3.32	5.40	.97	3.05
03:00	3.2	5.5	6.2	7.8	2.22	2.99	4.53	.77	2.31
04:00	2.5	4.7	5.6	7.5	2.15	3.06	5.00	.91	2.85
05:00	2.4	4.1	4.9	6.2	1.71	2.43	3.81	.72	2.10
06:00	1.6	3.6	4.3	5.7	1.92	2.70	4.06	.78	2.14
07:00	1.3	3.1	3.9	4.9	1.77	2.57	3.56	.79	1.79
08:00	4.1	4.5	4.8	5.7	.40	.73	1.58	.33	1.19
09:00	9.2	8.8	8.7	8.9	-.38	-.52	-.35	-.14	.03
10:00	13.8	13.1	12.8	12.7	-.68	-.99	-1.09	-.32	-.42
11:00	17.6	16.7	16.4	16.2	-.89	-1.22	-1.35	-.33	-.46
12:00	20.4	19.4	19.0	18.8	-.98	-1.39	-1.56	-.41	-.59
13:00	22.6	21.7	21.3	21.1	-.91	-1.33	-1.50	-.42	-.60
14:00	23.7 P	22.8 P	22.4 P	22.2 P	P	P	P	P	P
15:00	24.5	23.8	23.5	23.4	-.66	-.98	-1.11	-.32	-.45
16:00	24.9	24.3	24.0	23.8	-.67	-.94	-1.14	-.28	-.47
17:00	24.7	24.4	24.1	24.0	-.33	-.60	-.72	-.27	-.39
18:00	24.1	24.2	24.0	23.9	.01	-.17	-.21	-.18	-.22
19:00	22.9	23.5	23.4	23.4	.50	.44	.49	-.06	-.01
20:00	19.4	22.1	22.4	22.6	2.76	3.03	3.19	.27	.43
21:00	16.6	20.6	21.5	21.8	3.96	4.91	5.25	.96	1.29
22:00	15.2	19.8	20.9	21.2	4.65	5.76	6.07	1.10	1.41
23:00	14.3	19.3	20.1	20.3	5.01	5.85	5.97	.84	.96
Avg	13.5	14.7	15.0	15.6	1.28	1.64	2.26	.36	.98
Max	24.9	24.4	24.1	24.0	5.01	5.85	6.24	1.36	3.55
Hr. of Max	16	17	17	17	23	23	01	01	01
Min	1.3	3.1	3.9	4.9	-.98	-1.39	-1.56	-.42	-.60
Count	24	24	24	24	23	23	23	23	23
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/31/2015

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	-.4	-.7	1.7	13.3	63.6	52.0	4.6	4.5	0.003762
01:00	-.5	-1.5	1.3	13.0	68.6	52.9	4.6	4.2	0.003742
02:00	-.5	-1.2	1.0	12.7	73.3	59.1	4.6	4.4	0.003754
03:00	-.5	-.3	.8	12.3	77.3	67.0	4.6	4.7	0.00375
04:00	-.7	-.3	.4	12.0	80.2	70.8	4.6	4.7	0.003697
05:00	-.5	-.2	.5	11.7	81.6	74.0	4.6	4.7	0.003748
06:00	-.9	-.6	.0	11.4	83.8	74.7	4.5	4.6	0.003635
07:00	-1.0	-.8	-.2	11.2	85.2	76.1	4.5	4.5	0.003612
08:00	.2	-.8	1.5	10.9	76.4	68.9	4.9	4.5	0.003941
09:00	1.1	-.2	3.8	10.7	57.9	53.8	5.1	4.6	0.004237
10:00	1.4	.2	5.5	10.7	43.6	41.9	5.2	4.7	0.004333
11:00	2.3	1.4	7.4	11.0	36.6	36.2	5.4	5.1	0.004646
12:00	3.5	2.6	9.1	11.6	33.4	33.3	5.9	5.5	0.005075
13:00	6.4	5.8	11.8	12.4	35.9	36.3	7.2	6.9	0.00625
14:00	P	P	P	13.3 P	34.7 P	35.4 P	P	P	P
15:00	5.7	5.1	11.9	14.0	30.6	30.5	6.8	6.5	0.005956
16:00	6.3	5.7	12.5	14.5	31.0	31.1	7.1	6.8	0.006222
17:00	4.9	4.4	11.5	14.9	28.5	28.1	6.4	6.2	0.005647
18:00	4.6	4.2	11.1	15.1	29.0	28.2	6.3	6.1	0.005551
19:00	4.6	4.0	10.7	15.2	31.0	28.8	6.3	6.0	0.005512
20:00	4.5	3.1	9.4	15.2	38.4	29.3	6.3	5.7	0.005455
21:00	5.0	3.4	8.9	15.0	47.1	32.9	6.6	5.8	0.005645
22:00	5.1	3.3	8.5	14.8	51.8	34.3	6.7	5.8	0.005665
23:00	5.2	3.4	8.2	14.6	55.0	35.5	6.7	5.8	0.005675
Avg	2.4	1.7	6.0	13.0	53.1	46.3	5.6	5.3	0.004761
Max	6.4	5.8	12.5	15.2	85.2	76.1	7.2	6.9	0.00625
Hr. of Max	13	13	16	20	07	07	13	13	13
Min	-1.0	-1.5	-.2	10.7	28.5	28.1	4.5	4.2	0.003612
Count	23	23	23	24	24	24	23	23	23
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/31/2015

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	0.003712	5.9	5.9	.00	29.20	988.8	-2.4	.00	104.1
01:00	0.003484	5.9	5.5	.00	29.18	988.2	-2.1	.00	206.0
02:00	0.003562	5.9	5.6	.00	29.16	987.7	-2.4	.00	95.0
03:00	0.003801	5.9	6.0	.00	29.15	987.2	-2.3	.00	50.7
04:00	0.003802	5.8	6.0	.00	29.13	986.6	-2.3	.00	125.9
05:00	0.003835	5.9	6.0	.00	29.12	986.3	-2.2	.00	74.5
06:00	0.003718	5.7	5.9	.00	29.12	986.3	-2.3	.00	226.0
07:00	0.003664	5.7	5.8	.00	29.13	986.6	16.3	.02	202.0
08:00	0.003661	6.2	5.8	.00	29.14	986.7	183.1	.26	223.3
09:00	0.003835	6.7	6.0	.00	29.13	986.6	414.6	.59	207.4
10:00	0.003983	6.8	6.3	.00	29.12	986.2	610.5	.88	219.4
11:00	0.004347	7.3	6.8	.00	29.10	985.5	774.1	1.11	227.6
12:00	0.004755	8.0	7.5	.00	29.07	984.5	877.4	1.26	215.2
13:00	0.005985	9.8	9.4	.00	29.03	983.2	856.1	1.23	218.9
14:00	P	P	P	.00 P	29.00 P	982.0 P	749.1 P	1.07 P	230.1 P
15:00	0.005714	9.3	8.9	.00	28.97	981.0	553.9	.79	248.1
16:00	0.005994	9.7	9.4	.00	28.95	980.4	598.6	.86	251.9
17:00	0.005464	8.8	8.5	.00	28.94	980.0	274.8	.39	257.3
18:00	0.005402	8.7	8.4	.00	28.93	979.8	140.0	.20	263.0
19:00	0.005295	8.6	8.3	.00	28.94	980.0	43.5	.06	251.8
20:00	0.004965	8.5	7.8	.00	28.95	980.5	-1.7	.00	233.4
21:00	0.005055	8.8	7.9	.00	28.98	981.3	-1.4	.00	226.0
22:00	0.005035	8.9	7.9	.00	28.99	981.8	-1.1	.00	230.9
23:00	0.005038	8.9	7.9	.00	29.00	982.2	-2.6	.00	244.9
Avg	0.004526	7.5	7.1	.00	29.06	984.1	252.9	.36	219.0
Max	0.005994	9.8	9.4	.00	29.20	988.8	877.4	1.26	263.0
Hr. of Max	16	13	16	23	00	00	12	12	18
Min	0.003484	5.7	5.5	.00	28.93	979.8	-2.6	.00	50.7
Count	23	23	23	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/31/2015

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	347.7	237.3	112.4	240.5	27.1	43.1	10.6	.2	.3
01:00	207.3	236.1	219.2	236.4	33.5	57.4	16.6	.1	.2
02:00	178.5	240.0	106.5	241.3	49.0	38.9	14.0	.0	.0
03:00	56.0	258.9	71.3	265.4	41.9	12.4	52.8	.3	.8
04:00	58.9	227.5	129.7	149.6	32.8	11.1	9.6	.0	.1
05:00	55.9	73.6	79.6	69.6	22.1	11.3	17.9	.6	1.3
06:00	208.2	280.7	226.6	275.7	31.9	54.7	29.7	.4	.2
07:00	172.7	228.2	204.1	228.0	41.2	35.1	8.0	.1	.2
08:00	231.6	241.7	226.1	242.5	21.3	13.8	10.3	1.0	1.5
09:00	230.4	243.3	211.7	244.9	18.5	18.5	15.1	2.7	3.0
10:00	224.3	226.5	226.3	228.2	19.7	16.9	14.0	5.7	6.9
11:00	233.2	231.7	233.6	233.8	23.2	19.0	15.9	7.3	9.1
12:00	220.5	221.3	221.0	223.4	22.7	18.2	14.2	8.5	10.6
13:00	226.6	227.8	223.9	229.9	24.8	20.5	16.4	9.4	12.0
14:00	235.8 P	236.3 P	236.3 P	238.3 P	24.4 P	18.8 P	13.8 P	10.0 P	13.7 P
15:00	253.4	252.2	253.9	253.6	25.9	19.6	17.0	8.9	12.4
16:00	257.7	259.1	256.9	259.8	26.3	20.8	17.9	8.9	11.7
17:00	265.7	266.3	262.2	267.1	25.2	20.9	19.2	8.0	11.1
18:00	269.2	272.4	267.6	272.6	25.6	20.4	17.8	6.3	8.5
19:00	262.9	267.4	256.5	268.6	21.2	17.6	16.4	4.4	6.2
20:00	255.0	263.3	238.2	264.4	14.1	13.6	10.9	3.6	5.6
21:00	237.2	247.4	229.7	249.0	8.3	6.8	7.7	3.4	5.9
22:00	250.0	264.3	233.9	265.6	24.4	14.3	12.4	2.2	4.4
23:00	269.5	285.8	249.9	285.3	47.3	17.6	17.0	1.6	2.8
Avg	238.0	248.0	223.0	247.0	27.2	22.6	16.5	.0	.0
Max	347.7	285.8	267.6	285.3	49.0	57.4	52.8	10.0	13.7
Hr. of Max	00	23	18	23	02	01	03	14	14
Min	55.9	73.6	71.3	69.6	8.3	6.8	7.7	.0	.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/31/2015

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	1.1	.2	.4	1.1	.6	1.5	1.8	.2	.02
01:00	1.2	.1	.2	1.3	.6	1.7	2.8	.6	.04
02:00	1.3	.2	.1	1.3	.6	1.7	3.0	1.7	.04
03:00	.3	.4	.8	.3	.7	.6	1.0	-.9	.01
04:00	.0	.0	.1	.0	.3	.2	1.7	-.3	.02
05:00	1.7	.7	1.3	1.8	1.0	2.2	3.0	.6	.05
06:00	.2	.7	.2	.4	1.2	.8	.0	-.8	-.01
07:00	.6	.1	.4	.6	.6	1.1	2.2	1.0	.03
08:00	2.2	1.1	1.7	2.2	1.5	2.6	2.6	.3	.06
09:00	4.1	2.8	3.2	4.2	3.3	4.7	-.9	1.5	-.08
10:00	7.9	6.1	7.2	8.1	6.6	8.9	-.4	-2.1	-.21
11:00	10.0	7.8	9.5	10.4	8.5	11.2	-.9	-2.2	-.33
12:00	12.2	9.1	11.2	12.6	9.8	13.5	.4	-.3	-.20
13:00	14.5	10.3	12.8	15.1	11.4	16.2	.1	.0	-.30
14:00	16.5 P	10.8 P	14.3 P	17.0 P	11.6 P	18.0 P	1.5 P	.5 P	-.18 P
15:00	14.3	9.7	13.1	14.9	10.5	15.8	-.2	-.1	-.37
16:00	13.6	9.7	12.4	14.2	10.5	15.1	.3	1.6	-.40
17:00	13.3	8.7	11.8	14.0	9.4	14.6	.1	.5	-.37
18:00	10.3	6.9	9.0	10.8	7.4	11.2	-1.5	-.4	-.48
19:00	7.7	4.7	6.5	8.0	5.3	8.4	.2	1.0	-.08
20:00	7.3	3.8	5.8	7.5	4.2	7.9	.4	.6	-.02
21:00	7.4	3.4	6.0	7.5	3.8	8.0	-.7	1.8	-.05
22:00	6.2	2.3	4.6	6.4	2.7	6.7	.3	1.4	.00
23:00	4.1	1.7	2.9	4.3	2.2	4.4	1.7	-1.4	.01
Avg	.0	4.2	5.6	6.8	4.8	7.4	.8	.2	-.12
Max	16.5	10.8	14.3	17.0	11.6	18.0	3.0	1.8	.06
Hr. of Max	14	14	14	14	14	14	05	21	08
Min	.0	.0	.1	.0	.3	.2	-1.5	-2.2	-.48
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/31/2015

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	.01	1.4	1.8	2.3	1.6	2.7	8.2	4.1
01:00	.02	1.4	1.4	2.5	1.5	2.9	6.7	2.7
02:00	.05	1.1	.9	3.2	1.5	3.6	7.7	3.8
03:00	-.01	2.1	2.1	3.0	2.5	2.1	6.4	5.0
04:00	.00	.0	1.1	.2	1.0	1.0	5.2	2.8
05:00	.02	1.8	2.5	3.0	2.4	3.4	5.4	2.7
06:00	-.02	1.6	1.1	2.5	2.0	2.1	7.0	5.1
07:00	.02	1.4	1.1	1.4	1.7	1.7	5.9	4.5
08:00	.01	3.2	3.9	4.1	3.9	4.5	11.3	3.0
09:00	.09	7.8	11.0	11.9	7.8	12.6	16.1	10.7
10:00	-.46	14.2	13.7	22.9	15.0	17.1	16.0	12.7
11:00	-.56	17.4	16.9	17.4	17.5	19.7	14.9	11.9
12:00	-.33	21.3	22.4	23.1	23.5	25.8	15.4	11.9
13:00	-.25	25.0	25.9	31.1	26.0	29.6	15.9	10.9
14:00	-.14 P	<	<	<	<	<	<	<
15:00	-.26	25.0	29.5	36.6	27.8	31.0	16.1	11.1
16:00	.05	25.9	29.5	28.2	26.8	31.2	17.3	12.9
17:00	-.19	24.3	31.4	30.5	23.2	28.2	17.4	12.3
18:00	-.34	17.9	20.4	26.1	20.1	22.9	17.5	13.0
19:00	-.01	12.6	14.2	31.8	13.8	18.3	14.6	11.0
20:00	.02	9.6	17.6	25.9	11.5	16.2	9.4	7.4
21:00	.23	6.2	11.4	13.3	6.6	13.1	4.2	5.4
22:00	.08	6.4	14.7	13.5	8.8	12.9	14.0	9.6
23:00	-.23	6.4	7.3	9.4	5.1	10.4	14.7	12.7
Avg	-.09	10.2	12.3	15.0	10.9	13.6	11.6	8.1
Max	.23	25.9	31.4	36.6	27.8	31.2	17.5	13.0
Hr. of Max	21	16	17	15	15	16	18	18
Min	-.56	.0	.9	.2	1.0	1.0	4.2	2.7
Count	24	23	23	23	23	23	23	23
Total								