Date Printed: 03/25/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/24/2015

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	9.0	12.3	14.4	16.1	3.34	5.44	7.11	2.11	3.78
01:00	7.9	11.4	13.0	14.6	3.45	5.08	6.66	1.63	3.21
02:00	7.5	10.0	12.2	13.8	2.41	4.64	6.27	2.23	3.86
03:00	7.0	9.4	11.8	13.9	2.34	4.81	6.84	2.48	4.50
04:00	6.9	9.0	11.0	13.1	2.11	4.17	6.25	2.06	4.14
05:00	6.4	8.6	10.6	12.4	2.19	4.15	5.96	1.96	3.76
06:00	6.1	8.2	9.7	11.5	2.12	3.61	5.48	1.48	3.36
07:00	5.5	7.5	8.7	10.4	1.97	3.20	4.92	1.23	2.96
08:00	7.4	8.2	9.2	11.4	.80	1.84	3.97	1.04	3.16
09:00	12.2	12.1	12.3	12.8	-.06	.16	.65	.23	.72
10:00	16.0	15.4	15.1	15.0	-.57	-.87	-.96	-.30	-.39
11:00	18.5	17.7	17.4	17.3	-.80	-1.11	-1.26	-.31	-.46
12:00	20.4	19.5	19.2	19.0	-.90	-1.23	-1.35	-.33	-.45
13:00	21.7	20.7	20.4	20.3	-1.03	-1.38	-1.43	-.35	-.40
14:00	22.4	21.6	21.2	21.1	-.87	-1.22	-1.35	-.36	-.49
15:00	22.7	22.0	21.7	21.5	-.72	-1.04	-1.16	-.32	-.44
16:00	22.8	22.3	22.0	21.8	-.54	-.84	-.99	-.30	-.45
17:00	22.5	22.2	22.0	21.8	-.27	-.52	-.65	-.26	-.38
18:00	21.9	21.9	21.7	21.7	.02	-.15	-.21	-.18	-.23
19:00	20.5	21.6	21.6	21.6	1.09	1.05	1.03	-.04	-.06
20:00	17.2	19.7	20.3	20.9	2.44	3.02	3.61	.58	1.18
21:00	15.2	17.6	18.7	19.5	2.44	3.47	4.36	1.03	1.91
22:00	13.4	15.8	17.8	19.1	2.44	4.42	5.70	1.98	3.27
23:00	12.7	14.8	17.2	18.5	2.10	4.49	5.82	2.39	3.72
Avg	14.3	15.4	16.2	17.0	1.06	1.88	2.72	.82	1.66
Max	22.8	22.3	22.0	21.8	3.45	5.44	7.11	2.48	4.50
Hr. of Max	16	16	17	17	01	00	00	03	03
Min	5.5	7.5	8.7	10.4	-1.03	-1.38	-1.43	-.36	-.49
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/24/2015

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	4.8	3.9	6.2	13.9	76.1	57.1	6.6	6.2	0.005499
01:00	4.6	4.2	5.7	13.6	80.2	62.2	6.6	6.3	0.005401
02:00	4.5	4.8	5.5	13.3	81.9	71.1	6.5	6.6	0.005371
03:00	4.5	5.2	5.4	13.1	84.8	75.9	6.5	6.8	0.005367
04:00	4.6	5.1	5.3	12.8	86.2	77.5	6.6	6.8	0.005392
05:00	4.5	5.2	5.2	12.5	88.3	80.0	6.5	6.8	0.005364
06:00	4.5	5.2	5.0	12.3	90.2	82.5	6.5	6.8	0.005334
07:00	4.2	5.3	4.6	12.0	92.0	86.9	6.4	6.9	0.005234
08:00	5.4	5.2	6.1	11.8	88.2	82.3	6.9	6.8	0.005708
09:00	7.3	6.4	8.9	11.6	73.2	68.9	7.8	7.3	0.006536
10:00	8.6	7.8	11.0	11.7	62.5	61.6	8.4	8.0	0.00713
11:00	8.6	8.1	11.9	12.0	53.5	54.4	8.4	8.1	0.007178
12:00	8.3	7.7	12.3	12.5	46.7	47.2	8.2	7.8	0.007036
13:00	7.5	6.9		13.3	40.7	41.6	7.7	7.4	0.006679
14:00	6.6	6.1	11.9	14.1	36.8	37.2	7.3	7.0	0.006306
15:00	6.3	5.6	11.8	14.8	35.4	35.3	7.1	6.8	0.006174
16:00	6.5	5.8	11.9	15.2	35.6	35.1	7.2	6.9	0.006244
17:00	6.5	6.0	11.8	15.5	36.4	35.6	7.2	6.9	0.006255
18:00	6.6	6.0	11.7	15.6	37.9	36.2	7.2	6.9	0.006277
19:00	7.2	5.9	11.6	15.6	42.9	36.8	7.6	6.9	0.006535
20:00	7.5	6.5	10.8	15.6	53.7	43.2	7.8	7.3	0.006669
21:00	7.3	7.2	9.9	15.4	60.2	51.4	7.7	7.7	0.006546
22:00	7.4	7.9	9.4	15.2	68.0	60.2	7.8	8.0	0.006599
23:00	7.6	7.9	9.3	14.9	72.3	64.3	8.0	8.0	0.006685
Avg	6.3	6.1	8.8	13.7	63.5	57.7	7.3	7.1	0.006147
Max	8.6	8.1	12.3	15.6	92.0	86.9	8.4	8.1	0.007178
Hr. of Max	11	11	12	20	07	07	11	11	11
Min	4.2	3.9	4.6	11.6	35.4	35.1	6.4	6.2	0.005234
Count	24	24	23	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/24/2015

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	0.005156	8.7	8.1	.00	29.16	987.4	-2.2	.00	252.3
01:00	0.005286	8.5	8.3	.00	29.16	987.3	-2.7	.00	244.1
02:00	0.005489	8.5	8.6	.00	29.16	987.6	-2.0	.00	81.4
03:00	0.005627	8.4	8.9	.00	29.17	987.7	-.7	.00	69.1
04:00	0.005598	8.5	8.8	.00	29.17	987.7	-2.4	.00	104.8
05:00	0.005646	8.4	8.9	.00	29.17	987.9	-2.6	.00	73.9
06:00	0.005642	8.4	8.9	.00	29.19	988.5	-2.4	.00	96.1
07:00	0.005664	8.3	8.9	.00	29.21	989.0	6.5	.01	226.1
08:00	0.005618	9.0	8.9	.00	29.22	989.6	144.7	.21	156.8
09:00	0.006124	10.3	9.7	.00	29.23	990.0	352.8	.51	188.5
10:00	0.006774	11.2	10.7	.00	29.24	990.3	556.4	.80	215.1
11:00	0.006933	11.3	10.9	.00	29.24	990.4	719.7	1.03	233.6
12:00	0.006726	11.1	10.6	.00	29.24	990.1	828.0	1.19	214.8
13:00	0.006397	10.5	10.1	.00	29.22	989.5	838.2	1.20	242.4
14:00	0.006047	9.9	9.5	.00	29.20	988.9	821.4	1.18	207.8
15:00	0.005888	9.7	9.3	.00	29.18	988.2	547.0	.78	229.0
16:00	0.005966	9.8	9.4	.00	29.17	987.7	536.8	.77	195.4
17:00	0.006023	9.8	9.5	.00	29.16	987.5	307.1	.44	182.6
18:00	0.006014	9.9	9.5	.00	29.16	987.5	117.4	.17	217.8
19:00	0.006004	10.3	9.4	.00	29.16	987.4	51.4	.07	252.4
20:00	0.006233	10.5	9.8	.00	29.16	987.4	-1.9	.00	1.6
21:00	0.006538	10.3	10.3	.00	29.16	987.5	-3.0	.00	70.9
22:00	0.006836	10.4	10.7	.00	29.16	987.4	-1.3	.00	73.2
23:00	0.006809	10.5	10.7	.00	29.16	987.5	-1.5	.00	110.2
Avg	0.006043	9.7	9.5	.00	29.19	988.3	241.9	.35	183.0
Max	0.006933	11.3	10.9	.00	29.24	990.4	838.2	1.20	252.4
Hr. of Max	11	11	11	23	12	11	13	13	19
Min	0.005156	8.3	8.1	.00	29.16	987.3	-3.0	.00	1.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/24/2015

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	233.1	242.5	251.0	243.8	59.2	6.6	4.3	.9	2.9
01:00	230.7	219.8	245.6	221.4	39.2	10.5	8.5	1.7	3.5
02:00	291.4	205.1	89.1	206.6	40.8	39.7	7.9	.2	.6
03:00	255.6	216.7	84.8	218.9	60.6	40.6	8.2	.2	.8
04:00	261.8	231.3	122.7	233.4	48.0	23.4	5.4	.0	.8
05:00	7.2	248.8	83.2	249.7	32.9	38.8	10.6	.2	.2
06:00	25.8	199.3	173.4	217.4	22.9	26.8	36.4	.3	.0
07:00	264.2	239.1	226.3	240.6	22.6	22.3	9.2	.3	.6
08:00	19.6	261.8	194.5	261.5	53.9	37.8	11.3	.1	.1
09:00	225.0	248.3	193.1	249.7	25.4	17.2	15.0	1.6	2.6
10:00	222.9	226.6	220.4	228.1	23.1	19.3	17.3	5.2	6.0
11:00	236.1	234.0	238.8	235.5	27.8	23.7	18.6	5.3	6.7
12:00	221.9	223.4	220.7	224.8	24.9	21.7	20.2	6.4	7.5
13:00	245.9	240.3	245.9	241.3	41.1	32.5	26.8	4.5	5.9
14:00	217.1	217.7	213.1	219.5	42.9	41.9	37.5	5.1	6.1
15:00	231.1	228.0	234.7	229.3	35.4	29.0	24.8	4.3	5.5
16:00	206.8	204.2	201.1	205.4	24.7	25.3	23.0	5.6	6.7
17:00	188.2	189.3	187.3	190.9	30.8	26.5	27.2	5.2	6.3
18:00	220.5	215.6	220.5	217.5	23.5	18.6	15.6	2.4	3.7
19:00	229.4	229.5	252.6	230.7	25.0	16.8	12.0	.5	1.3
20:00	111.5	148.8	11.9	146.7	29.8	25.4	14.4	.5	.6
21:00	52.8	99.1	73.8	96.1	32.0	12.2	10.9	.5	1.7
22:00	60.5	127.3	78.2	125.2	48.5	27.7	14.7	.3	1.0
23:00	26.3	126.2	126.1	123.8	63.0	41.1	34.4	.2	1.0
Avg	241.0	214.0	194.0	216.0	36.6	26.1	17.3	.0	.0
Max	291.4	261.8	252.6	261.5	63.0	41.9	37.5	6.4	7.5
Hr. of Max	02	08	19	08	23	14	14	12	12
Min	7.2	99.1	11.9	96.1	22.6	6.6	4.3	.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)

3/24/2015

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	4.5	1.0	3.0	4.5	1.4	4.9	2.0	1.1	.03
01:00	4.3	1.9	3.6	4.6	2.2	4.9	1.8	.6	.02
02:00	3.5	.2	.7	3.5	.6	3.9	2.0	.0	.03
03:00	3.8	.4	.8	3.8	.8	4.2	2.6	.6	.04
04:00	4.0	.1	.9	4.1	.5	4.5	3.2	1.1	.04
05:00	1.9	.2	.2	2.0	.5	2.3	2.2	1.5	.03
06:00	.6	.3	.7	.6	.7	.9	2.6	-.5	.04
07:00	1.1	.3	.7	1.2	.7	1.5	1.3	.9	.02
08:00	1.4	.1	.3	1.5	.4	1.7	2.6	.6	.03
09:00	3.4	1.7	2.7	3.6	2.2	4.0	-1.1	-.6	-.05
10:00	7.0	5.6	6.3	7.3	6.2	8.1	-.5	.3	-.13
11:00	7.7	5.9	7.2	8.1	6.6	8.8	.0	-.7	-.13
12:00	8.2	7.0	8.0	8.7	7.6	9.4	-1.5	1.4	-.34
13:00	6.9	5.7	7.0	7.8	6.4	8.5	.7	.5	-.07
14:00	6.8	6.5	7.6	8.1	7.1	8.8	-.3	2.3	-.15
15:00	6.4	5.4	6.3	7.2	5.8	7.9	.1	.4	-.11
16:00	7.2	6.7	7.8	8.4	7.3	9.1	2.0	4.4	.04
17:00	6.8	6.1	7.1	7.7	6.6	8.2	1.2	4.3	-.05
18:00	4.6	2.9	4.2	5.2	3.5	5.6	2.0	1.3	.06
19:00	1.9	.7	1.3	1.9	1.0	2.3	.4	-.9	-.01
20:00	1.5	.7	.9	1.8	.8	2.2	.8	1.9	.01
21:00	2.7	.5	1.7	2.9	.8	3.4	3.5	1.7	.06
22:00	3.0	.3	1.3	3.2	.7	3.6	3.4	.7	.05
23:00	1.7	.5	1.5	2.1	1.0	2.6	3.3	-.3	.07
Avg	.0	2.5	3.4	4.6	3.0	5.1	1.4	.9	-.02
Max	8.2	7.0	8.0	8.7	7.6	9.4	3.5	4.4	.07
Hr. of Max	12	12	12	12	12	12	21	16	23
Min	.6	.1	.2	.6	.4	.9	-1.5	-.9	-.34
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/24/2015

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	.08	8.9	14.2	14.9	5.5	8.5	6.4	2.3
01:00	.05	6.4	7.6	8.9	6.9	10.3	8.2	3.7
02:00	.00	1.4	2.3	7.3	1.8	8.0	8.1	3.4
03:00	.04	2.1	4.6	8.7	2.2	7.4	8.2	3.0
04:00	.08	1.8	3.0	8.9	1.3	6.0	7.2	2.0
05:00	.06	1.4	1.6	5.5	1.7	3.5	6.2	3.7
06:00	-.01	2.1	2.3	2.3	2.3	2.5	7.0	6.9
07:00	.04	1.1	2.5	2.3	1.9	2.6	5.5	4.1
08:00	.02	.9	2.5	4.1	1.5	4.3	9.5	3.7
09:00	-.08	6.9	7.3	8.0	8.4	8.6	16.3	10.8
10:00	-.10	12.4	15.1	14.2	13.3	15.6	15.2	15.0
11:00	-.30	17.4	16.7	23.8	15.0	16.4	16.8	14.9
12:00	.04	14.9	21.3	20.6	17.3	19.5	15.2	15.6
13:00	-.05	16.7	16.5	18.3			19.7	17.4
14:00	.16	16.0	21.3	20.8	18.5	19.4	18.8	17.4
15:00	-.10	13.5	15.6	19.0	16.2	19.4	20.2	19.1
16:00	.47	17.6	18.3	17.9	18.3	18.4	16.6	18.3
17:00	.28	14.9	15.8	15.6	15.8	17.1	15.7	17.9
18:00	.06	8.5	9.2	10.1	9.4	10.8	15.7	10.1
19:00	-.05	4.4	6.2	7.6	3.7	4.6	11.7	8.7
20:00	.08	2.1	3.0	3.4	2.2	4.1	8.8	4.6
21:00	.10	2.1	5.3	5.0	2.5	5.4	10.4	4.2
22:00	-.01	2.1	4.8	7.8	2.3	8.3	14.4	11.1
23:00	-.06	2.5	4.4	6.0	3.0	7.2	13.7	18.0
Avg	.03	7.4	9.2	10.9	7.4	9.9	12.3	9.8
Max	.47	17.6	21.3	23.8	18.5	19.5	20.2	19.1
Hr. of Max	16	16	14	11	14	12	15	15
Min	-.30	.9	1.6	2.3	1.3	2.5	5.5	2.0
Count	24	24	24	24	23	23	24	24
Total								