Date Printed: 08/26/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/25/2015

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	15.4	16.7	17.2	17.7	1.32	1.88	2.37	.56	1.05
01:00	14.8	16.0	16.4	17.2	1.17	1.65	2.40	.48	1.23
02:00	14.3	15.5	15.9	16.8	1.14	1.57	2.42	.42	1.28
03:00	13.9	15.0	15.4	16.0	1.10	1.48	2.17	.38	1.08
04:00	13.5	14.6	14.9	15.4	1.12	1.49	1.94	.36	.81
05:00	13.0	14.2	14.6	15.2	1.22	1.60	2.23	.38	1.01
06:00	12.7	13.9	14.1	14.7	1.20	1.46	2.06	.26	.86
07:00	12.6	13.6	13.9	14.4	.91	1.25	1.75	.33	.84
08:00	15.3	15.0	15.0	15.2	-.27	-.28	-.01	-.01	.27
09:00	18.4	18.0	17.9	17.8	-.38	-.52	-.64	-.14	-.26
10:00	21.2	20.7	20.4	20.3	-.55	-.82	-.94	-.27	-.40
11:00	22.9	22.1	21.7	21.5	-.83	-1.20	-1.37	-.38	-.54
12:00	24.1	23.1	22.8	22.6	-.98	-1.27	-1.42	-.29	-.44
13:00	24.9	24.0	23.6	23.5	-.94	-1.27	-1.44	-.33	-.51
14:00	25.4	24.4	24.1	24.0	-1.03	-1.34	-1.42	-.31	-.39
15:00	26.1	25.0	24.7	24.6	-1.13	-1.43	-1.54	-.30	-.41
16:00	26.2	25.3	25.0	24.9	-.86	-1.16	-1.29	-.29	-.43
17:00	26.2	25.5	25.2	25.0	-.71	-1.02	-1.17	-.31	-.46
18:00	25.3	24.8	24.6	24.5	-.43	-.68	-.75	-.25	-.32
19:00	21.8	23.3	23.4	23.5	1.57	1.65	1.72	.07	.15
20:00	18.4	21.5	22.1	22.3	3.14	3.67	3.92	.53	.78
21:00	17.0	20.2	20.5	20.9	3.18	3.54	3.88	.36	.70
22:00	16.2	18.1	19.1	19.9	1.90	2.91	3.72	1.01	1.82
23:00	15.0	16.8	17.3	18.0	1.76	2.27	2.95	.51	1.19
Avg	18.9	19.5	19.6	19.8	.53	.64	.90	.12	.37
Max	26.2	25.5	25.2	25.0	3.18	3.67	3.92	1.01	1.82
Hr. of Max	17	17	17	17	21	20	20	22	22
Min	12.6	13.6	13.9	14.4	-1.13	-1.43	-1.54	-.38	-.54
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/25/2015

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	13.9	14.8	14.4	25.3	92.3	90.1	11.9	12.6	0.010193
01:00	13.4	14.6	13.9	25.1	92.9	93.3	11.6	12.5	0.009892
02:00	13.0	14.2	13.5	24.9	93.4	93.8	11.3	12.2	0.009647
03:00	12.6	13.9	13.1	24.7	93.8	95.1	11.1	12.0	0.009398
04:00	12.3	13.6	12.7	24.5	93.9	95.5	10.8	11.8	0.009162
05:00	11.8	13.3	12.2	24.3	94.0	96.0	10.5	11.6	0.0089
06:00	11.5	13.0	11.9	24.1	94.0	96.2	10.3	11.3	0.008698
07:00	11.5	12.8	11.9	23.9	94.3	96.4	10.3	11.2	0.008718
08:00	13.4	13.1	14.0	23.7	90.3	90.1	11.6	11.4	0.009884
09:00	14.0	12.8	15.5	23.6	77.0	73.1	11.9	11.1	0.010279
10:00	12.8	11.7	15.6	23.5	60.2	57.8	11.0	10.2	0.009554
11:00	11.1	10.1	15.0	23.5	48.3	47.6	9.8	9.2	0.008515
12:00	10.9	9.8	15.3	23.5	44.5	43.8	9.6	8.9	0.008427
13:00	9.9	8.8	14.9	23.7	39.7	38.9	9.0	8.4	0.007921
14:00	9.5	8.6	14.8	23.9	37.5	37.4	8.8	8.2	0.007716
15:00	10.6	9.5	15.8	24.0	38.8	38.5	9.4	8.8	0.008341
16:00	10.7	9.8	15.8	24.2	38.9	38.6	9.5	8.9	0.008362
17:00	10.9	10.2	16.0	24.3	39.3	39.0	9.6	9.1	0.008465
18:00	11.6	10.9	16.1	24.4	43.5	42.6	10.0	9.6	0.008859
19:00	13.3	11.1	16.2	24.5	60.4	47.1	11.3	9.8	0.009902
20:00	13.7	11.6	15.2	24.6	75.4	54.3	11.7	10.1	0.010078
21:00	13.3	11.4	14.5	24.5	80.0	58.3	11.4	10.1	0.009795
22:00	12.8	12.0	13.9	24.5	81.9	69.0	11.1	10.5	0.009499
23:00	12.6	12.4	13.4	24.4	87.0	76.9	11.0	10.8	0.009378
Avg	12.1	11.8	14.4	24.2	70.5	67.1	10.6	10.4	0.009149
Max	14.0	14.8	16.2	25.3	94.3	96.4	11.9	12.6	0.010279
Hr. of Max	09	00	19	00	07	07	09	00	09
Min	9.5	8.6	11.9	23.5	37.5	37.4	8.8	8.2	0.007716
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/25/2015

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	0.010816	15.9	16.8	.00	29.10	985.4	-1.0	.00	354.9
01:00	0.0107	15.4	16.7	.00	29.10	985.6	-1.0	.00	298.9
02:00	0.010437	15.1	16.3	.00	29.10	985.6	-2.7	.00	316.4
03:00	0.010236	14.7	16.0	.00	29.10	985.5	-3.0	.00	331.1
04:00	0.010017	14.3	15.6	.00	29.10	985.5	-3.1	.00	319.3
05:00	0.009838	13.9	15.3	.00	29.10	985.5	-1.3	.00	314.3
06:00	0.009629	13.6	15.0	.00	29.11	985.9	-.8	.00	296.6
07:00	0.009466	13.6	14.8	.00	29.12	986.3	37.2	.05	264.9
08:00	0.009678	15.4	15.1	.00	29.13	986.6	220.1	.32	205.2
09:00	0.009517	16.0	14.9	.00	29.14	986.7	472.1	.68	165.9
10:00	0.008872	14.9	13.9	.00	29.14	986.8	681.5	.98	53.5
11:00	0.007988	13.3	12.5	.00	29.14	986.9	835.8	1.20	12.5
12:00	0.007806	13.2	12.2	.00	29.13	986.4	932.3	1.34	308.3
13:00	0.007325	12.4	11.5	.00	29.11	985.8	980.0	1.40	32.0
14:00	0.007227	12.1	11.3	.00	29.10	985.4	957.2	1.37	331.2
15:00	0.007724	13.0	12.1	.00	29.08	984.9	879.9	1.26	250.2
16:00	0.007883	13.1	12.3	.00	29.07	984.6	731.9	1.05	305.5
17:00	0.008064	13.2	12.6	.00	29.07	984.5	467.7	.67	288.1
18:00	0.008458	13.8	13.2	.00	29.07	984.5	264.1	.38	291.2
19:00	0.008544	15.4	13.3	.00	29.08	984.7	81.9	.12	295.6
20:00	0.008816	15.7	13.8	.00	29.09	985.1	.3	.00	322.9
21:00	0.008708	15.3	13.6	.00	29.10	985.6	-1.3	.00	330.3
22:00	0.00901	14.8	14.1	.00	29.12	986.3	-1.0	.00	354.5
23:00	0.009274	14.7	14.5	.00	29.13	986.5	-1.1	.00	344.6
Avg	0.009001	14.3	14.1	.00	29.11	985.7	313.6	.45	316.0
Max	0.010816	16.0	16.8	.00	29.14	986.9	980.0	1.40	354.9
Hr. of Max	00	09	00	23	11	11	13	13	00
Min	0.007227	12.1	11.3	.00	29.07	984.5	-3.1	.00	12.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/25/2015

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	66.6	66.4	1.4	65.6	33.6	11.3	15.1	.6	1.4
01:00	82.9	29.3	297.1	32.9	18.9	12.5	17.6	.5	.2
02:00	119.9	74.6	306.0	75.9	37.8	21.9	26.7	.5	.0
03:00	112.2	27.9	320.4	39.6	66.0	36.3	47.8	.2	.0
04:00	66.3	67.9	300.5	70.3	45.3	11.6	17.5	.2	.6
05:00	79.5	302.8	300.1	339.0	34.4	11.8	40.2	.1	.1
06:00	105.9	21.8	288.7	16.1	17.7	11.7	43.9	.3	.0
07:00	143.0	22.3	256.9	16.8	40.1	39.1	36.2	.2	.3
08:00	184.4	262.5	211.4	261.9	16.5	28.7	52.6	1.0	.7
09:00	143.5	315.5	177.0	316.8	50.6	63.1	62.0	.6	.1
10:00	52.0	34.0	62.9	29.6	58.5	47.8	42.8	1.8	2.8
11:00	22.8	17.3	14.9	12.7	59.8	51.1	43.9	1.9	3.0
12:00	327.0	325.1	327.1	323.8	78.6	67.6	58.2	1.0	1.5
13:00	17.7	.7	38.3	359.1	86.9	73.8	69.4	1.0	1.8
14:00	333.5	326.0	328.8	323.9	61.5	55.8	52.0	1.6	2.5
15:00	254.9	253.0	253.2	253.5	42.8	40.6	32.1	3.0	3.5
16:00	307.5	304.5	305.2	301.7	44.0	39.9	35.3	2.9	3.9
17:00	297.8	299.3	288.1	297.1	37.6	32.2	27.1	2.9	3.8
18:00	299.3	303.3	291.8	300.7	27.1	26.0	20.3	2.7	3.9
19:00	302.4	306.4	295.4	303.4	18.9	17.1	13.0	2.3	3.8
20:00	350.9	349.3	322.2	344.5	14.2	15.4	13.1	2.0	3.2
21:00	357.3	356.3	331.0	351.5	15.7	14.0	14.5	2.1	4.6
22:00	20.6	16.3	1.6	10.4	28.7	14.2	17.3	.8	2.2
23:00	76.3	67.0	355.2	64.2	30.9	11.7	15.3	.8	1.5
Avg	36.0	354.0	314.0	353.0	40.3	31.5	33.9	.0	.0
Max	357.3	356.3	355.2	359.1	86.9	73.8	69.4	3.0	4.6
Hr. of Max	21	21	23	13	13	13	13	15	21
Min	17.7	.7	1.4	10.4	14.2	11.3	13.0	.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)

8/25/2015

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	1.3	.7	1.5	1.4	.9	1.7	1.7	.2	.02
01:00	.4	.6	.2	.4	.8	.8	-.6	-.3	-.01
02:00	.1	.5	.0	.2	.8	.6	.5	1.5	.01
03:00	.1	.3	.1	.1	.6	.5	.6	-.6	.00
04:00	.5	.2	.6	.5	.6	.9	-.2	.7	.01
05:00	.5	.1	.1	.5	.5	.9	-.5	-.3	.00
06:00	.1	.3	.0	.1	.7	.5	-1.5	-.9	-.02
07:00	.3	.3	.3	.4	.7	.7	1.6	1.3	.03
08:00	.2	1.1	.8	.4	1.5	.8	-1.5	-4.3	-.03
09:00	.8	1.1	.9	1.2	1.6	1.7	-6.2	-6.4	-.14
10:00	3.5	3.0	3.6	4.1	3.5	4.7	2.6	3.6	-.07
11:00	3.5	3.1	4.0	4.3	3.8	5.0	-3.7	.7	-.39
12:00	1.9	2.9	3.1	3.3	3.4	4.1	-5.3	-1.7	-.43
13:00	1.8	2.8	3.2	3.1	3.5	4.0	-2.2	4.1	-.21
14:00	3.0	3.9	4.6	4.9	4.3	5.6	-7.8	-10.0	-.55
15:00	4.0	4.0	4.6	5.1	4.5	5.6	-2.6	-5.6	-.23
16:00	4.5	3.9	5.0	5.4	4.4	5.9	-4.0	-2.8	-.43
17:00	4.5	3.7	4.7	5.2	4.2	5.6	-1.8	.2	-.29
18:00	4.8	3.1	4.3	5.1	3.5	5.4	-1.6	1.2	-.26
19:00	5.3	2.5	3.9	5.4	2.6	5.5	-2.9	-2.8	-.19
20:00	4.8	2.1	3.4	5.0	2.2	5.4	-1.8	.6	-.09
21:00	6.6	2.2	4.7	6.8	2.5	7.1	-3.4	.5	-.19
22:00	4.7	1.0	2.6	5.0	1.3	5.3	.6	4.1	.02
23:00	3.0	.8	1.5	3.1	1.0	3.4	1.4	3.0	.01
Avg	.0	1.8	2.4	3.0	2.2	3.4	-1.6	-.6	-.14
Max	6.6	4.0	5.0	6.8	4.5	7.1	2.6	4.1	.03
Hr. of Max	21	15	16	21	15	21	10	22	07
Min	.1	.1	.0	.1	.5	.5	-7.8	-10.0	-.55
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/25/2015

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	.02	2.1	2.7	3.4	2.2	3.8	9.3	6.8
01:00	.00	2.1	1.4	4.1	2.2	2.4	8.2	9.2
02:00	.02	2.5	.9	1.4	1.9	1.6	7.6	11.2
03:00	.00	1.6	1.4	1.6	1.6	1.9	8.2	10.5
04:00	.01	2.3	2.1	1.8	2.4	2.1	8.5	6.5
05:00	.01	.9	1.8	2.3	1.4	3.0	10.7	19.5
06:00	-.01	1.8	.0	1.1	1.9	1.4	7.4	11.6
07:00	.02	1.4	1.8	1.4	2.1	1.6	6.9	7.3
08:00	-.09	2.7	2.3	2.5	3.6	2.9	15.9	15.4
09:00	-.17	4.1	5.5	5.5	6.1	6.4	29.6	30.1
10:00	.14	9.8	10.5	11.2	9.6	11.6	26.1	23.8
11:00	-.10	8.9	10.1	12.8	10.6	11.8	25.8	24.7
12:00	-.25	12.6	11.9	9.4	10.3	10.4	27.6	30.6
13:00	.07	11.0	12.1	11.7	10.7	13.0	31.0	31.4
14:00	-1.00	10.3	12.8	18.1	12.2	12.8	23.4	21.4
15:00	-.60	11.0	11.0	10.5	11.9	11.7	22.5	19.4
16:00	-.42	10.8	13.5	11.2	11.7	12.7	23.1	18.9
17:00	-.24	10.3	11.0	10.3	11.6	11.3	20.3	18.5
18:00	-.23	9.6	9.8	11.4	10.0	12.5	21.3	18.3
19:00	-.37	11.4	8.5	11.0	7.7	10.8	13.8	10.4
20:00	.04	4.8	6.9	10.3	5.7	9.6	8.7	5.2
21:00	.03	5.5	9.8	14.9	5.9	11.0	11.0	4.5
22:00	.38	3.2	5.5	10.1	3.5	9.9	10.8	4.9
23:00	.17	3.4	3.9	6.0	2.7	6.4	8.6	5.6
Avg	-.11	6.0	6.6	7.7	6.2	7.6	16.1	15.2
Max	.38	12.6	13.5	18.1	12.2	13.0	31.0	31.4
Hr. of Max	22	12	16	14	14	13	13	13
Min	-1.00	.9	.0	1.1	1.4	1.4	6.9	4.5
Count	24	24	24	24	24	24	24	24
Total								