Date Printed: 07/31/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/30/2015

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	24.8	25.1	25.5	26.2	.30	.65	1.40	.35	1.10
01:00	24.1	24.8	25.3	25.6	.78	1.20	1.57	.42	.79
02:00	23.6	24.3	24.7	24.9	.68	1.06	1.33	.38	.65
03:00	23.3	24.0	24.4	24.8	.63	1.07	1.41	.44	.78
04:00	22.9	23.3	23.7	24.2	.46	.81	1.31	.35	.85
05:00	22.2	22.6	23.2	23.8	.43	.99	1.58	.56	1.15
06:00	21.7	22.1	22.7	23.3	.45	1.01	1.70	.56	1.25
07:00	22.0	22.2	22.6	23.0	.25	.69	1.02	.43	.77
08:00	23.7	23.5	23.4	23.5	-.17	-.28	-.14	-.12	.03
09:00	26.1	25.5	25.2	25.1	-.52	-.84	-.98	-.32	-.47
10:00	27.4	26.8	26.6	26.4	-.60	-.87	-1.02	-.27	-.41
11:00	28.2	27.6	27.4	27.3	-.57	-.83	-.91	-.25	-.33
12:00	29.6	28.7	28.4	28.3	-.89	-1.16	-1.32	-.27	-.44
13:00	31.0	30.1	29.7	29.5	-.90	-1.23	-1.45	-.33	-.55
14:00	31.3	30.5	30.2	30.0	-.76	-1.12	-1.25	-.35	-.49
15:00	31.7	30.9	30.7	30.5	-.77	-1.03	-1.15	-.25	-.38
16:00	31.5	30.8	30.6	30.6	-.66	-.87	-.93	-.21	-.27
17:00	31.7	30.9	30.6	30.5	-.78	-1.05	-1.18	-.27	-.40
18:00	30.6	30.0	29.8	29.7	-.57	-.79	-.85	-.21	-.28
19:00	28.8	28.6	28.5	28.6	-.13	-.25	-.20	-.11	-.06
20:00	25.0	26.5	27.1	27.4	1.45	2.07	2.35	.61	.90
21:00	22.5	24.2	25.3	26.1	1.63	2.77	3.59	1.13	1.96
22:00	21.2	23.6	24.9	25.4	2.34	3.64	4.20	1.30	1.86
23:00	20.8	23.3	24.5	25.0	2.49	3.75	4.23	1.26	1.74
Avg	26.1	26.2	26.5	26.7	.19	.39	.60	.20	.41
Max	31.7	30.9	30.7	30.6	2.49	3.75	4.23	1.30	1.96
Hr. of Max	17	17	15	16	23	23	23	22	21
Min	20.8	22.1	22.6	23.0	-.90	-1.23	-1.45	-.35	-.55
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/30/2015

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	22.8	23.1	23.5	28.8	91.3	91.4	20.3	20.6	0.018109
01:00	22.3	22.5	22.9	28.6	92.4	89.6	19.7	19.9	0.017541
02:00	22.0	22.4	22.5	28.5	93.2	91.9	19.3	19.8	0.017192
03:00	21.8	22.3	22.3	28.3	93.5	93.2	19.1	19.8	0.016983
04:00	21.4	21.8	21.9	28.2	94.0	93.8	18.7	19.2	0.016597
05:00	20.8	21.2	21.3	28.0	94.4	93.9	18.1	18.5	0.015994
06:00	20.2	20.6	20.7	27.8	94.0	93.8	17.5	17.9	0.015408
07:00	20.4	20.4	20.9	27.6	93.3	91.6	17.7	17.6	0.015566
08:00	20.8	20.4	21.8	27.5	86.3	85.0	18.0	17.6	0.015955
09:00	21.2	20.4	22.8	27.3	76.6	75.1	18.3	17.4	0.016334
10:00	21.1	20.6	23.2	27.3	70.6	70.8	18.2	17.7	0.016333
11:00	21.3	20.9	23.6	27.4	68.5	69.0	18.4	18.0	0.016551
12:00	21.7	21.2	24.3	27.6	64.7	66.0	18.7	18.2	0.016951
13:00	21.7	21.4	24.8	27.9	59.8	61.7	18.7	18.3	0.016967
14:00	21.7	21.5	24.9	28.2	58.6	60.6	18.6	18.5	0.016938
15:00	21.2	21.2	24.7	28.5	55.8	58.1	18.1	18.1	0.016516
16:00	20.5	20.4	24.2	28.7	54.1	55.7	17.4	17.3	0.01583
17:00	19.1	19.1	23.3	28.8	49.0	51.1	15.9	15.9	0.014505
18:00	18.6	18.7	22.6	29.0	50.2	52.4	15.4	15.6	0.013957
19:00	17.9	17.9	21.5	29.0	53.4	53.8	14.9	14.9	0.013357
20:00	18.6	17.8	20.7	29.0	69.2	60.5	15.7	14.8	0.013904
21:00	18.5	17.9	19.9	28.9	80.0	69.6	15.7	15.0	0.013822
22:00	18.1	17.6	19.1	28.8	84.1	70.6	15.3	14.7	0.01342
23:00	17.8	16.6	18.8	28.6	84.9	67.8	15.1	13.9	0.013152
Avg	20.5	20.3	22.3	28.3	75.5	73.6	17.6	17.5	0.015745
Max	22.8	23.1	24.9	29.0	94.4	93.9	20.3	20.6	0.018109
Hr. of Max	00	00	14	20	05	05	00	00	00
Min	17.8	16.6	18.8	27.3	49.0	51.1	14.9	13.9	0.013152
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/30/2015

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	0.018462	27.9	28.4	.00	29.10	985.3	-2.5	.00	242.8
01:00	0.017823	27.0	27.4	.00	29.06	984.2	-2.0	.00	315.5
02:00	0.017659	26.5	27.2	.00	29.07	984.5	-2.6	.00	243.1
03:00	0.017591	26.2	27.1	.00	29.08	984.7	-2.1	.00	262.6
04:00	0.017025	25.6	26.2	.00	29.08	984.8	-2.1	.00	252.8
05:00	0.016347	24.7	25.2	.00	29.08	984.7	-2.2	.00	279.1
06:00	0.015794	23.8	24.4	.00	29.09	985.0	-.2	.00	263.3
07:00	0.015512	24.1	24.0	.00	29.11	985.7	44.4	.06	252.1
08:00	0.015559	24.7	24.1	.00	29.13	986.5	205.8	.30	220.3
09:00	0.015532	25.2	24.0	.00	29.14	986.8	486.6	.70	189.4
10:00	0.015796	25.2	24.4	.00	29.14	986.7	529.3	.76	17.5
11:00	0.016129	25.6	24.9	.00	29.14	986.7	516.2	.74	80.9
12:00	0.016428	26.2	25.4	.00	29.13	986.6	942.6	1.35	45.5
13:00	0.01662	26.2	25.7	.00	29.13	986.4	876.9	1.26	11.4
14:00	0.016769	26.1	25.9	.00	29.11	985.9	799.5	1.15	30.8
15:00	0.016435	25.5	25.4	.00	29.09	985.2	608.3	.87	338.3
16:00	0.015709	24.4	24.3	.00	29.07	984.6	506.9	.73	343.9
17:00	0.014471	22.4	22.4	.00	29.07	984.4	487.1	.70	333.9
18:00	0.014109	21.6	21.8	.00	29.06	984.3	334.9	.48	338.2
19:00	0.013367	20.7	20.7	.00	29.07	984.5	157.8	.23	324.0
20:00	0.013227	21.5	20.5	.00	29.09	985.1	12.5	.02	324.1
21:00	0.013272	21.4	20.6	.00	29.11	985.9	-2.6	.00	322.9
22:00	0.012994	20.8	20.2	.00	29.13	986.6	-1.2	.00	16.1
23:00	0.012216	20.4	19.0	.00	29.14	986.9	-3.1	.00	340.5
Avg	0.015619	24.3	24.1	.00	29.10	985.5	270.3	.39	316.0
Max	0.018462	27.9	28.4	.00	29.14	986.9	942.6	1.35	343.9
Hr. of Max	00	00	00	23	23	23	12	12	16
Min	0.012216	20.4	19.0	.00	29.06	984.2	-3.1	.00	11.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/30/2015

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	229.8	238.4	246.7	239.7	18.2	13.7	7.8	2.3	4.1
01:00	99.6	174.6	315.9	173.8	33.0	51.0	45.2	1.0	.2
02:00	327.1	326.0	240.2	322.8	59.6	64.0	38.8	.6	1.0
03:00	111.8	44.3	262.2	28.5	46.9	36.2	19.3	1.1	.6
04:00	335.1	312.2	252.0 +	311.5	56.1	60.5	36.1	1.2	1.1
05:00	41.3	33.9	278.6	39.6	50.7	64.2	42.5	.9	.6
06:00	243.6	261.6	265.9	264.5	36.9	47.6	62.1	1.4	2.1
07:00	222.7	234.7	250.8	234.5	33.5	66.8	48.3	1.3	1.2
08:00	206.7	338.6	218.1	335.3	39.1	47.6	56.7	1.1	.7
09:00	169.6	162.9	190.7	160.6	43.0	53.2	63.1	1.4	1.3
10:00	43.6	24.5	11.2	18.5	63.0	69.4	61.9	.6	1.1
11:00	82.0	78.9	83.8 +	75.8	49.6	38.1	38.3	1.9	2.2
12:00	52.2	42.8	66.8	40.8	52.5	50.3	44.3	1.2	1.6
13:00	6.9	4.8	6.1	358.4	65.5	50.0	41.4	2.1	3.2
14:00	28.9	22.3	34.8	18.2	60.4	50.5	45.9	1.7	2.6
15:00	1.1	357.4	341.9	353.7	46.3	36.3	29.2	2.0	3.3
16:00	354.4	350.4	345.8	345.7	34.6	26.8	25.1	3.1	4.9
17:00	351.2	348.0	336.1	342.4	35.4	21.4	17.3	3.3	5.0
18:00	352.7	349.1	339.1	343.7	33.4	22.2	17.3	4.0	6.4
19:00	344.3	342.1	324.7	336.8	27.8	20.8	15.6	2.9	5.2
20:00	350.4	350.6	326.2	344.3	26.7	15.2	12.3	1.2	3.1
21:00	18.0	20.4	319.3	14.5	42.1	21.9	16.1	.7	2.0
22:00	30.2	31.4	28.6	25.2	39.7	8.9	6.9	.7	4.6
23:00	31.4	31.0	342.6	24.7	21.1	7.7	5.1	1.1	4.7
Avg	14.0	.0	316.0	354.0	42.3	39.3	33.2	.0	.0
Max	354.4	357.4	345.8	358.4	65.5	69.4	63.1	4.0	6.4
Hr. of Max	16	15	16	13	13	10	09	18	18
Min	1.1	4.8	6.1	14.5	18.2	7.7	5.1	.6	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/30/2015

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	4.1	2.4	4.2	4.4	2.8	4.7	-1.4	.9	-.09
01:00	1.2	1.3	1.0	1.8	1.5	2.1	2.4	-.7	.06
02:00	1.9	1.1	1.6	2.6	1.4	2.9	1.4	4.1	.02
03:00	.6	1.6	2.1	2.8	1.9	3.1	.1	1.7	-.03
04:00	2.0	1.5	1.6	2.4	1.9	2.6	1.9	4.7	.03
05:00	.9	1.2	1.0	1.2	1.4	1.5	.8	1.5	-.02
06:00	1.2	1.8	2.3	1.6	2.1	1.8	.8	2.0	.00
07:00	1.2	1.6	1.8	2.1	1.9	2.3	-1.0	1.5	-.05
08:00	.4	1.3	1.2	1.1	1.8	1.5	.9	-.9	.01
09:00	1.0	2.0	2.1	1.7	2.6	2.2	2.3	-2.5	.14
10:00	1.2	1.8	1.9	1.9	2.2	2.6	-6.9	-15.0	-.38
11:00	2.1	2.7	2.8	2.8	3.1	3.4	-2.1	-2.8	-.07
12:00	1.8	2.5	2.6	2.9	3.0	3.6	.5	.0	-.11
13:00	3.6	3.1	4.0	4.5	3.7	5.2	-2.7	-2.4	-.33
14:00	3.0	3.2	4.0	4.3	3.8	4.9	-2.3	2.6	-.23
15:00	3.9	2.9	4.0	4.5	3.4	5.1	-2.0	-.4	-.32
16:00	5.9	3.8	5.5	6.4	4.3	6.9	-4.2	-.2	-.62
17:00	6.6	3.7	5.4	6.9	4.2	7.5	-4.5	-.3	-.63
18:00	8.4	4.5	6.9	8.7	5.1	9.3	-4.6	-2.7	-.71
19:00	7.3	3.2	5.5	7.6	3.6	8.1	-1.3	-.7	-.29
20:00	4.7	1.3	3.2	4.9	1.6	5.2	-.1	1.6	-.03
21:00	4.1	.8	2.1	4.3	1.1	4.6	.4	3.0	.00
22:00	7.2	1.0	4.6	7.3	1.3	7.7	.1	2.4	-.03
23:00	7.3	1.3	4.7	7.3	1.4	7.6	-1.6	.9	-.07
Avg	.0	2.2	3.2	4.0	2.5	4.4	-1.0	-.1	-.16
Max	8.4	4.5	6.9	8.7	5.1	9.3	2.4	4.7	.14
Hr. of Max	18	18	18	18	18	18	01	04	09
Min	.4	.8	1.0	1.1	1.1	1.5	-6.9	-15.0	-.71
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/30/2015

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	7.3	10.1	8.2	5.1	6.9	7.2	3.5
01:00	-.04	3.7	5.0	9.8	3.0	5.1	9.1	8.0
02:00	.17	4.6	6.6	7.8	3.8	7.7	16.2	16.3
03:00	.11	6.0	8.7	9.2	6.7	9.4	13.5	7.5
04:00	.20	6.6	12.1	16.7	5.7	9.0	9.1	11.9
05:00	.06	4.1	3.4	4.1	4.2	4.2	13.0	10.6
06:00	.05	4.8	5.0	3.9	4.1	4.1	9.8	9.1
07:00	.08	4.6	6.4	7.1	5.2	6.8	10.6	10.8
08:00	.00	3.7	3.7	3.4	4.5	3.9	17.4	15.6
09:00	.02	6.0	5.5	6.0	6.5	6.3	25.2	30.3
10:00	-.82	7.6	7.6	6.9	6.8	7.0	27.7	28.5
11:00	-.10	7.3	7.8	8.7	7.9	9.9	23.8	26.1
12:00	-.13	8.0	8.0	7.3	9.0	9.8	28.0	31.4
13:00	-.39	8.9	10.3	10.8	10.0	12.0	27.0	27.8
14:00	.17	9.4	10.3	14.0	10.9	10.8	24.5	21.9
15:00	-.22	7.8	8.7	8.9	9.2	9.7	23.8	20.6
16:00	-.30	10.8	12.4	12.6	11.7	14.0	21.4	17.2
17:00	-.22	9.6	11.9	13.7	10.8	15.0	23.5	13.3
18:00	-.58	11.4	18.1	16.0	15.9	16.7	20.3	11.2
19:00	-.20	10.5	12.6	16.5	10.1	15.2	20.8	10.7
20:00	.15	3.9	8.2	15.8	4.2	9.3	15.6	8.0
21:00	.27	6.0	8.7	12.4	3.6	8.0	10.4	6.3
22:00	.28	5.7	8.9	12.4	7.4	13.5	17.4	5.5
23:00	.08	3.9	11.7	14.9	4.7	11.9	14.0	4.1
Avg	-.05	6.8	8.8	10.3	7.1	9.4	17.9	14.8
Max	.28	11.4	18.1	16.7	15.9	16.7	28.0	31.4
Hr. of Max	22	18	18	04	18	18	12	12
Min	-.82	3.7	3.4	3.4	3.0	3.9	7.2	3.5
Count	24	24	24	24	24	24	24	24
Total								