Date Printed: 04/29/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/28/2015

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	6.7	9.3	10.2	11.4	2.67	3.59	4.79	.93	2.12
01:00	6.0	8.4	9.5	10.9	2.33	3.49	4.93	1.16	2.60
02:00	5.1	7.1	7.9	9.3	2.00	2.80	4.11	.80	2.11
03:00	4.7	6.7	7.3	8.9	2.05	2.61	4.24	.56	2.19
04:00	4.0	6.1	6.7	7.6	2.05	2.67	3.56	.63	1.51
05:00	3.8	6.0	6.6	7.4	2.19	2.79	3.56	.60	1.37
06:00	3.9	6.3	6.8	7.4	2.32	2.83	3.44	.51	1.12
07:00	6.2	7.4	7.9	8.4	1.27	1.78	2.25	.51	.98
08:00	10.2	10.2	10.0	9.9	.02	-.15	-.23	-.17	-.25
09:00	12.1	11.6	11.2	11.0	-.45	-.85	-1.08	-.39	-.62
10:00	13.8	13.0	12.6	12.4	-.76	-1.14	-1.39	-.38	-.63
11:00	15.4	14.7	14.2	14.0	-.70	-1.14	-1.37	-.44	-.67
12:00	16.8	16.0	15.6	15.4	-.81	-1.21	-1.44	-.40	-.63
13:00	17.3	16.7	16.3	16.2	-.62	-.98	-1.12	-.35	-.50
14:00	19.0	18.3	17.9	17.7	-.74	-1.13	-1.33	-.39	-.59
15:00	19.4	18.7	18.4	18.2	-.67	-.97	-1.14	-.30	-.47
16:00	19.5	19.1	18.8	18.7	-.35	-.64	-.78	-.30	-.43
17:00	19.1	19.0	18.8	18.7	-.10	-.31	-.38	-.21	-.29
18:00	18.4	18.7	18.6	18.6	.30	.19	.14	-.11	-.16
19:00	16.4	17.2	17.8	18.1	.81	1.32	1.66	.51	.85
20:00	14.2	15.9	16.3	16.9	1.62	2.07	2.62	.45	1.00
21:00	13.3	15.0	15.3	15.8	1.63	1.99	2.53	.36	.90
22:00	12.8	14.2	14.5	15.2	1.48	1.75	2.43	.27	.96
23:00	11.5	13.3	13.9	14.7	1.82	2.43	3.24	.61	1.42
Avg	12.1	12.9	13.0	13.5	.81	.99	1.39	.19	.58
Max	19.5	19.1	18.8	18.7	2.67	3.59	4.93	1.16	2.60
Hr. of Max	16	16	17	17	00	00	01	01	01
Min	3.8	6.0	6.6	7.4	-.81	-1.21	-1.44	-.44	-.67
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/28/2015

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	3.8	2.3	4.7	15.9	82.6	62.2	6.2	5.6	0.005112
01:00	3.5	3.5	4.4	15.6	84.9	72.2	6.1	6.1	0.00503
02:00	3.3	3.4	3.9	15.3	88.8	77.6	6.0	6.0	0.004951
03:00	3.1	3.6	3.7	15.1	90.7	81.2	6.0	6.1	0.004885
04:00	2.8	3.5	3.2	14.8	92.2	84.4	5.8	6.1	0.004753
05:00	2.7	3.5	3.0	14.5	93.0	84.8	5.8	6.1	0.004718
06:00	2.8	3.3	3.2	14.3	92.9	82.0	5.8	6.0	0.00476
07:00	3.9	3.0	4.6	14.0	86.2	74.0	6.3	5.9	0.005142
08:00	4.0	2.8	6.1	13.8	66.6	60.9	6.3	5.7	0.005216
09:00	3.5	2.4	6.4	13.6	56.5	53.9	6.0	5.6	0.005037
10:00	3.9	2.6	7.2	13.6	52.0	49.9	6.1	5.6	0.005175
11:00	3.5	2.4	7.4	13.9	45.6	44.2	5.9	5.5	0.005042
12:00	3.7	2.5	8.1	14.4	42.3	41.0	6.0	5.6	0.005143
13:00	3.5	2.3	8.1	15.0	40.5	38.8	5.9	5.5	0.005071
14:00	2.9	1.6	8.3	15.6	35.0	33.4	5.7	5.2	0.004885
15:00	2.6	1.2	8.2	16.1	33.6	31.5	5.6	5.0	0.004795
16:00	3.4	1.9	8.7	16.4	35.2	32.3	5.9	5.3	0.005063
17:00	3.4	2.3	8.7	16.6	36.1	33.5	5.9	5.4	0.005075
18:00	5.1	3.2	9.5	16.8	42.4	36.3	6.6	5.8	0.005702
19:00	7.6	4.9	10.6	16.8	57.0	45.0	7.9	6.5	0.006752
20:00	7.5	5.0	9.8	16.8	65.0	49.3	7.9	6.6	0.006695
21:00	7.3	5.6	9.3	16.7	67.8	54.4	7.8	6.9	0.006585
22:00	7.5	6.9	9.2	16.5	71.1	62.4	7.9	7.6	0.006649
23:00	7.6	6.4	8.9	16.3	78.1	63.8	8.0	7.3	0.006712
Avg	4.3	3.3	6.9	15.4	64.0	56.2	6.4	6.0	0.005373
Max	7.6	6.9	10.6	16.8	93.0	84.8	8.0	7.6	0.006752
Hr. of Max	23	22	19	20	05	05	23	22	19
Min	2.6	1.2	3.0	13.6	33.6	31.5	5.6	5.0	0.004718
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/28/2015

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	0.004618	8.0	7.3	.00	29.06	984.1	-2.4	.00	357.7
01:00	0.005018	7.9	7.9	.00	29.05	983.9	-2.6	.00	25.8
02:00	0.004966	7.8	7.8	.00	29.05	983.8	-2.2	.00	82.7
03:00	0.005046	7.7	7.9	.00	29.05	983.8	-2.5	.00	56.8
04:00	0.005022	7.5	7.9	.00	29.05	983.9	-2.2	.00	46.3
05:00	0.005017	7.4	7.9	.00	29.05	983.8	-2.2	.00	68.7
06:00	0.004938	7.5	7.8	.00	29.06	984.2	-.1	.00	66.9
07:00	0.004824	8.1	7.6	.00	29.08	984.8	68.8	.10	69.1
08:00	0.004774	8.2	7.5	.00	29.09	985.1	322.8	.46	70.9
09:00	0.004663	7.9	7.3	.00	29.10	985.6	550.1	.79	70.2
10:00	0.00473	8.1	7.4	.00	29.09	985.3	760.6	1.09	80.1
11:00	0.004662	7.9	7.3	.00	29.08	984.9	785.8	1.13	67.4
12:00	0.004724	8.1	7.4	.00	29.07	984.4	915.7	1.31	77.8
13:00	0.004672	8.0	7.3	.00	29.04	983.5	776.6	1.11	81.9
14:00	0.004454	7.7	7.0	.00	29.01	982.5	945.1	1.35	88.3
15:00	0.004319	7.5	6.8	.00	28.99	981.7	715.0	1.02	84.9
16:00	0.004544	7.9	7.1	.00	28.97	981.2	435.4	.62	84.5
17:00	0.004683	7.9	7.3	.00	28.97	981.0	237.3	.34	67.0
18:00	0.004991	8.9	7.8	.00	28.96	980.7	123.9	.18	75.1
19:00	0.00561	10.5	8.8	.00	28.96	980.8	38.4	.06	279.0
20:00	0.005645	10.4	8.8	.00	28.97	981.1	-1.2	.00	353.2
21:00	0.005871	10.3	9.2	.00	28.97	980.9	-3.6	-.01	35.8
22:00	0.006425	10.4	10.0	.00	28.97	981.1	-3.6	-.01	48.4
23:00	0.006181	10.5	9.7	.00	28.97	981.1	-3.2	.00	21.4
Avg	0.005017	8.4	7.9	.00	29.03	983.1	277.1	.40	58.0
Max	0.006425	10.5	10.0	.00	29.10	985.6	945.1	1.35	357.7
Hr. of Max	22	23	22	23	09	09	14	14	00
Min	0.004319	7.4	6.8	.00	28.96	980.7	-3.6	-.01	21.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/28/2015

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	17.5	67.9	343.6	64.2	52.8	31.8	8.6	.3	.6
01:00	84.1	46.6	46.8	42.0	59.6	35.2	14.1	.5	1.5
02:00	54.4	62.9	100.5	58.5	65.4	15.1	17.2	.2	1.2
03:00	60.9	54.1	63.6	50.4	40.4	8.0	4.8	.6	2.2
04:00	55.9	57.8	51.9	54.1	33.0	8.5	4.1	.5	2.2
05:00	51.8	56.4	70.3	52.5	19.3	14.7	5.3	1.5	3.5
06:00	50.7	58.9	75.0	55.2	31.2	14.2	6.2	1.1	3.9
07:00	61.1	52.8	72.2	49.2	21.0	12.0	6.9	2.6	5.8
08:00	63.1	58.3	73.6	54.7	24.3	17.3	11.0	4.3	6.9
09:00	65.1	63.5	71.5	59.6	29.0	20.9	16.0	5.6	8.3
10:00	73.0	68.2	81.4	64.6	26.6	23.3	18.8	5.4	6.4
11:00	61.9	61.7	67.5	57.8	33.9	27.7	20.7	4.5	6.0
12:00	76.8	69.8	81.1	66.7	34.3	29.4	26.4	4.3	5.0
13:00	81.5	80.0	84.2	76.1	29.7	22.0	19.8	5.0	6.1
14:00	79.3	75.7	88.9	71.7	38.5	32.2	29.2	4.3	5.0
15:00	87.8	84.4	88.3	80.3	53.3	45.1	40.5	3.3	3.7
16:00	85.2	82.6	83.2	78.9	47.7	50.1	46.9	3.0	3.8
17:00	65.9	62.9	67.2	59.0	37.3	26.9	23.5	2.4	3.3
18:00	92.2	90.6	80.7	85.7	28.0	21.1	17.2	2.1	3.5
19:00	265.3	282.2	279.9	277.5	30.2	24.0	35.5	1.1	.6
20:00	44.1	52.7	355.4	45.7	24.2	31.5	29.9	.6	1.1
21:00	51.2	55.5	37.7	51.1	19.9	13.2	19.2	1.5	2.6
22:00	78.6	63.3	49.6	59.4	27.4	15.7	8.2	.8	1.9
23:00	58.1	58.8	26.6	54.4	25.9	13.1	8.1	1.0	2.0
Avg	64.0	62.0	62.0	58.0	34.7	23.0	18.3	.0	.0
Max	265.3	282.2	355.4	277.5	65.4	50.1	46.9	5.6	8.3
Hr. of Max	19	19	20	19	02	16	16	09	09
Min	17.5	46.6	26.6	42.0	19.3	8.0	4.1	.2	.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/28/2015

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	2.4	.5	.7	2.5	.9	2.8	2.2	.7	.03
01:00	3.3	.9	2.0	3.9	1.3	4.2	1.0	2.5	.01
02:00	1.7	.2	1.2	1.9	.6	2.3	3.4	.8	.05
03:00	4.4	.7	2.2	4.4	1.0	4.7	2.9	1.2	.06
04:00	5.4	.6	2.2	5.4	.9	5.8	3.4	-.3	.06
05:00	6.8	1.7	3.6	6.9	1.9	7.2	-.8	-.8	-.03
06:00	7.6	1.4	4.0	7.6	1.7	8.0	1.4	-.6	.00
07:00	9.2	2.8	5.9	9.2	3.3	9.7	-2.3	.2	-.21
08:00	9.6	4.7	7.2	9.8	5.4	10.4	.4	.6	-.08
09:00	10.5	6.2	8.9	10.9	7.0	11.5	.6	3.0	-.17
10:00	7.4	5.8	6.9	7.8	6.6	8.4	.5	2.9	-.05
11:00	7.1	5.3	6.7	7.5	6.0	8.1	-2.4	-1.0	-.39
12:00	5.8	4.9	5.7	6.4	5.5	7.1	.3	3.2	-.03
13:00	6.9	5.5	6.5	7.3	6.1	7.8	-1.1	-2.9	-.22
14:00	5.5	5.0	5.7	6.1	5.7	6.9	-2.0	2.5	-.23
15:00	4.1	4.1	4.4	4.9	4.7	5.5	-3.5	-6.7	-.29
16:00	4.2	3.6	4.5	4.9	4.3	5.5	3.0	2.2	.12
17:00	4.0	2.8	3.7	4.3	3.2	4.8	-3.1	.8	-.20
18:00	4.0	2.3	3.6	4.2	2.9	4.7	4.4	10.3	.15
19:00	.1	1.5	2.0	1.9	1.9	2.3	.8	-.2	.00
20:00	.4	.8	1.2	1.8	1.1	2.1	2.0	1.6	.04
21:00	3.5	1.7	2.8	3.8	2.0	4.1	.0	2.0	-.03
22:00	3.8	1.0	2.0	3.9	1.4	4.2	1.4	-.4	.02
23:00	4.2	1.1	2.1	4.4	1.4	4.7	2.3	-.1	.05
Avg	.0	2.7	4.0	5.5	3.2	6.0	.6	.9	-.06
Max	10.5	6.2	8.9	10.9	7.0	11.5	4.4	10.3	.15
Hr. of Max	09	09	09	09	09	09	18	18	18
Min	.1	.2	.7	1.8	.6	2.1	-3.5	-6.7	-.39
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/28/2015

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	.04	3.7	4.6	8.9	3.5	5.9	7.4	4.0
01:00	.20	6.0	8.2	10.5	4.7	9.8	10.8	6.7
02:00	.04	1.6	2.5	4.1	1.8	4.6	8.3	5.8
03:00	.09	2.5	3.4	6.6	2.7	6.6	7.5	1.9
04:00	-.04	2.1	4.8	10.3	2.4	8.6	8.1	3.0
05:00	-.11	3.7	7.3	11.0	3.9	11.7	7.9	3.4
06:00	-.10	5.0	9.8	17.6	5.9	12.2	13.4	4.2
07:00	.00	7.6	12.6	18.3	8.3	15.9	14.1	5.0
08:00	-.01	16.0	18.8	25.9	16.3	20.5	17.8	8.7
09:00	.31	17.4	18.5	21.1	20.1	22.2	19.9	12.6
10:00	.30	14.2	14.7	24.0	14.9	15.4	17.3	14.8
11:00	-.31	17.6	17.2	18.3	14.2	17.7	19.9	17.0
12:00	.34	12.1	16.3	13.3	14.3	14.9	21.4	20.1
13:00	-.42	17.6	14.7	15.8	14.5	15.1	18.1	16.3
14:00	.24	19.9	18.8	17.6	13.8	15.2	20.2	22.0
15:00	-.75	17.6	17.4	18.1	11.6	11.8	20.7	23.8
16:00	.07	11.2	11.2	10.8	11.9	11.4	21.2	20.2
17:00	.02	7.6	8.7	10.3	8.8	9.6	22.5	19.2
18:00	.81	11.2	11.0	10.1	7.1	7.9	20.2	14.7
19:00	.03	3.2	6.2	8.9	3.9	6.5	10.1	13.7
20:00	.07	2.5	2.7	6.4	3.1	3.8	8.6	6.0
21:00	.10	4.8	5.7	8.5	5.1	9.2	7.8	4.5
22:00	-.04	3.0	5.5	9.2	3.1	7.7	10.8	5.1
23:00	.00	2.5	4.8	8.5	3.0	10.1	9.7	3.2
Avg	.04	8.8	10.2	13.1	8.3	11.4	14.3	10.7
Max	.81	19.9	18.8	25.9	20.1	22.2	22.5	23.8
Hr. of Max	18	14	14	08	09	09	17	15
Min	-.75	1.6	2.5	4.1	1.8	3.8	7.4	1.9
Count	24	24	24	24	24	24	24	24
Total								