Date Printed: 05/25/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/24/2015

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	14.9	18.2	19.9	20.9	3.28	4.93	5.93	1.65	2.65
01:00	14.1	16.8	17.7	19.8	2.68	3.54	5.68	.85	2.99
02:00	13.7	15.8	16.6	18.2	2.02	2.86	4.45	.84	2.43
03:00	13.0	15.0	15.6	17.8	1.95	2.54	4.76	.59	2.81
04:00	12.1	14.2	14.6	15.8	2.12	2.49	3.75	.37	1.62
05:00	11.4	13.4	13.7	14.7	2.07	2.37	3.36	.30	1.29
06:00	10.9	12.4	13.1	13.9	1.50	2.16	2.94	.67	1.45
07:00	12.4	13.1	13.3	14.2	.67	.91	1.82	.24	1.15
08:00	16.5	16.2	16.0	16.3	-.32	-.48	-.23	-.16	.09
09:00	20.3	19.7	19.4	19.2	-.61	-.88	-1.03	-.27	-.42
10:00	22.6	21.7	21.3	21.1	-.91	-1.26	-1.45	-.35	-.54
11:00	24.0	22.9	22.5	22.4	-1.12	-1.48	-1.65	-.36	-.53
12:00	25.4	24.1	23.7	23.6	-1.30	-1.67	-1.81	-.37	-.52
13:00	26.3	24.8	24.5	24.4	-1.42	-1.75	-1.87	-.33	-.45
14:00	26.9	25.7	25.3	25.2	-1.24	-1.61	-1.72	-.37	-.48
15:00	27.6	26.4	26.0	25.9	-1.24	-1.60	-1.74	-.37	-.50
16:00	28.1	26.9	26.5	26.3	-1.12	-1.59	-1.77	-.47	-.65
17:00	28.0	27.2	26.9	26.7	-.80	-1.15	-1.37	-.35	-.57
18:00	27.7	27.3	27.0	26.8	-.46	-.77	-.94	-.31	-.48
19:00	26.6	26.5	26.3	26.2	-.10	-.30	-.34	-.21	-.24
20:00	24.2	24.9	25.0	25.2	.75	.84	.98	.09	.23
21:00	20.6	23.7	24.0	24.1	3.15	3.45	3.55	.30	.40
22:00	21.5	23.0	23.1	23.2	1.49	1.61	1.72	.12	.23
23:00	19.4	22.2	22.4	22.5	2.75	3.01	3.11	.25	.36
Avg	20.3	20.9	21.0	21.4	.57	.67	1.09	.10	.51
Max	28.1	27.3	27.0	26.8	3.28	4.93	5.93	1.65	2.99
Hr. of Max	16	18	18	18	00	00	00	00	01
Min	10.9	12.4	13.1	13.9	-1.42	-1.75	-1.87	-.47	-.65
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/24/2015

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	11.5	10.3	12.6	21.9	81.1	61.0	10.2	9.4	0.00862
01:00	10.9	10.7	12.0	21.7	82.2	68.3	9.9	9.6	0.008293
02:00	10.5	10.7	11.6	21.4	81.8	72.9	9.6	9.7	0.008047
03:00	10.2	10.4	11.1	21.2	84.0	75.0	9.4	9.5	0.007894
04:00	10.0	10.7	10.7	20.9	88.0	80.7	9.3	9.7	0.007765
05:00	9.7	10.9	10.3	20.7	90.9	85.7	9.2	9.9	0.007646
06:00	9.6	10.7	10.0	20.4	92.5	90.7	9.1	9.8	0.007556
07:00	10.7	10.7	11.3	20.2	90.8	86.5	9.8	9.7	0.008185
08:00	12.2	11.3	13.6	20.0	77.0	74.2	10.6	10.1	0.009009
09:00	11.1	10.4	14.2	19.9	56.9	56.1	9.8	9.4	0.008432
10:00	11.2	10.6	15.0	19.9	49.7	50.5	9.9	9.5	0.008507
11:00	11.5	10.9	15.6	20.2	46.4	47.9	10.0	9.7	0.008667
12:00	11.7	11.3	16.2	20.9	43.3	45.6	10.1	9.9	0.008801
13:00	12.1	11.9	16.8	21.7	42.5	45.6	10.4	10.3	0.009093
14:00	11.7	11.6	16.8	22.5	39.6	42.3	10.1	10.0	0.008844
15:00	11.7	11.5	17.0	22.9	38.1	40.6	10.0	10.0	0.00884
16:00	10.9	10.7	16.7	23.2	35.4	37.1	9.6	9.4	0.00845
17:00	10.8	10.6	16.5	23.5	35.1	36.4	9.4	9.4	0.008347
18:00	11.0	10.8	16.6	23.7	36.1	36.8	9.6	9.5	0.008467
19:00	11.9	11.7	16.8	23.7	41.1	40.8	10.2	10.1	0.008978
20:00	12.6	12.2	16.5	23.7	49.5	46.0	10.7	10.4	0.009372
21:00	13.3	12.1	15.7	23.6	64.1	49.2	11.3	10.4	0.009755
22:00	12.6	11.9	15.6	23.4	58.4	50.6	10.8	10.3	0.009365
23:00	12.5	11.5	14.8	23.2	65.7	51.9	10.8	10.0	0.009261
Avg	11.3	11.1	14.3	21.9	61.3	57.2	10.0	9.8	0.008591
Max	13.3	12.2	17.0	23.7	92.5	90.7	11.3	10.4	0.009755
Hr. of Max	21	20	15	20	06	06	21	21	21
Min	9.6	10.3	10.0	19.9	35.1	36.4	9.1	9.4	0.007556
Count	24	24	24	24	24	24	24	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

5/24/2015

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	0.007995	13.6	12.6	.00	29.38	994.9	-3.7	-.01	92.0
01:00	0.008179	13.1	12.9	.00	29.37	994.8	-3.6	-.01	53.0
02:00	0.008172	12.7	12.9	.00	29.37	994.5	-3.5	-.01	62.2
03:00	0.008	12.5	12.6	.00	29.36	994.3	-3.1	.00	67.8
04:00	0.008181	12.3	12.9	.00	29.37	994.7	-2.3	.00	64.9
05:00	0.008265	12.1	13.0	.00	29.39	995.2	-1.7	.00	37.1
06:00	0.008185	12.0	12.9	.00	29.41	996.1	10.0	.01	358.5
07:00	0.008142	12.9	12.9	.00	29.44	996.9	104.9	.15	75.2
08:00	0.008505	14.2	13.4	.00	29.44	996.8	358.6	.51	108.9
09:00	0.00802	13.3	12.7	.00	29.44	996.8	577.4	.83	187.8
10:00	0.008175	13.4	12.9	.00	29.43	996.6	770.3	1.10	174.6
11:00	0.008357	13.7	13.2	.00	29.42	996.3	908.7	1.30	155.6
12:00	0.008582	13.9	13.6	.00	29.41	995.9	971.5	1.39	176.2
13:00	0.008964	14.3	14.1	.00	29.38	994.8	1030.8	1.48	209.9
14:00	0.008775	13.9	13.8	.00	29.35	993.9	954.4	1.37	172.1
15:00	0.008749	13.9	13.8	.00	29.33	993.3	920.0	1.32	176.0
16:00	0.008296	13.3	13.1	.00	29.31	992.6	592.0	.85	198.6
17:00	0.00826	13.1	13.0	.00	29.29	991.8	503.4	.72	187.4
18:00	0.008388	13.3	13.2	.00	29.27	991.3	326.4	.47	187.0
19:00	0.008885	14.1	14.0	.00	29.27	991.2	158.3	.23	205.8
20:00	0.009137	14.7	14.4	.00	29.28	991.6	13.0	.02	217.8
21:00	0.009089	15.3	14.3	.00	29.29	991.8	-3.3	.00	220.8
22:00	0.008916	14.7	14.0	.00	29.30	992.3	-2.9	.00	229.5
23:00	0.0087	14.6	13.7	.00	29.31	992.5	-3.5	.00	255.6
Avg	0.008455	13.5	13.3	.00	29.36	994.2	340.5	.49	161.0
Max	0.009137	15.3	14.4	.00	29.44	996.9	1030.8	1.48	358.5
Hr. of Max	20	21	20	23	09	07	13	13	06
Min	0.007995	12.0	12.6	.00	29.27	991.2	-3.7	-.01	37.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/24/2015

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	241.2	222.1	110.8	224.3	60.5	18.3	6.3	.1	1.2
01:00	43.2	199.0	57.6	198.6	29.3	43.7	13.9	.5	.9
02:00	54.8	41.9	66.7	35.2	23.5	12.3	31.9	1.0	2.0
03:00	65.4	69.2	76.0	67.0	37.5	16.1	26.7	.7	2.0
04:00	65.5	51.7	65.1	47.6	52.2	7.8	6.5	.5	1.9
05:00	66.9	62.0	41.4	58.4	40.9	17.7	10.0	.4	1.2
06:00	72.0	52.7	351.5	48.7	51.4	54.7	5.9	.4	.7
07:00	64.6	38.4	97.9	32.7	48.8	16.7	8.5	.4	1.5
08:00	62.5	44.8	108.5	20.6	48.9	58.0	52.9	.6	.4
09:00	188.1	193.1	196.2	192.3	42.5	35.9	34.5	2.0	2.5
10:00	187.2	188.0	179.6	187.3	37.6	31.1	27.9	3.4	4.3
11:00	170.1	173.8	162.2	173.9	33.7	35.3	30.1	4.4	5.6
12:00	184.1	187.6	177.5	188.0	41.5	35.7	30.9	3.7	4.4
13:00	215.9	211.3	215.7	212.9	58.4	54.4	54.1	2.4	3.0
14:00	179.4	180.2	177.8	179.3	48.8	42.7	40.0	3.6	4.4
15:00	192.9	195.0	182.1	197.5	55.6	50.6	45.2	2.9	3.7
16:00	202.1	203.1	205.1	205.0	29.8	25.5	22.7	5.2	6.7
17:00	197.0	194.5	193.8	196.2	31.0	26.1	25.6	5.2	6.7
18:00	198.6	199.3	190.9	200.2	33.8	27.1	22.0	4.1	5.6
19:00	213.0	209.6	212.4	211.7	23.4	16.2	14.1	4.4	6.4
20:00	213.7	209.3	222.9	211.2	20.9	12.7	10.2	2.5	5.0
21:00	201.8	194.3	224.8	195.2	17.4	10.3	9.3	1.9	4.2
22:00	211.6	196.5	234.8	197.6	23.5	16.9	13.8	2.8	4.7
23:00	229.2	193.3	259.4	193.3	38.7	22.9	27.9	1.8	2.6
Avg	172.0	177.0	169.0	182.0	38.7	28.7	23.8	.0	.0
Max	241.2	222.1	351.5	224.3	60.5	58.0	54.1	5.2	6.7
Hr. of Max	00	00	06	00	00	08	13	17	17
Min	43.2	38.4	41.4	20.6	17.4	7.8	5.9	.1	.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/24/2015

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	4.3	.1	1.3	4.3	.4	4.7	2.7	1.2	.04
01:00	2.3	.6	1.0	2.4	1.0	2.7	1.2	.1	.02
02:00	1.9	1.1	2.0	2.1	1.4	2.5	2.0	1.1	.05
03:00	1.9	.8	2.1	2.1	1.2	2.5	2.4	2.3	.04
04:00	3.8	.5	1.9	3.8	.8	4.1	2.1	.3	.03
05:00	3.0	.7	1.2	3.1	1.0	3.4	2.3	-.2	.03
06:00	1.7	.9	.8	1.7	1.2	2.1	2.2	-.5	.05
07:00	2.4	.6	1.5	2.6	.9	2.9	1.3	.1	.02
08:00	.0	.6	.7	1.2	1.2	1.6	-4.3	-3.5	.00
09:00	2.6	2.6	2.9	2.9	3.2	3.4	-3.8	-3.5	-.17
10:00	5.2	4.0	4.9	5.6	4.8	6.1	2.7	-.1	.14
11:00	6.5	5.0	6.1	7.0	5.9	7.5	-.1	.6	-.19
12:00	5.3	5.0	5.7	6.4	5.8	7.1	1.0	1.2	-.13
13:00	3.5	3.8	4.4	4.8	4.5	5.5	2.5	.8	.01
14:00	4.9	5.1	5.7	6.0	5.8	6.7	-.2	4.0	-.05
15:00	4.2	4.2	4.9	5.2	4.9	5.9	.3	2.2	-.11
16:00	7.8	6.0	7.4	8.4	6.6	8.9	.2	-1.6	-.15
17:00	7.6	5.8	7.2	8.2	6.5	8.8	.1	2.6	-.15
18:00	6.9	4.7	6.1	7.3	5.3	7.9	4.4	4.5	.17
19:00	8.1	4.8	6.6	8.3	5.4	8.9	-.1	.5	-.20
20:00	7.1	2.7	5.1	7.3	3.1	7.7	.4	.3	-.04
21:00	5.6	2.1	4.3	5.6	2.5	5.9	-1.0	.4	-.08
22:00	6.3	3.0	5.0	6.5	3.6	6.9	-3.0	-1.6	-.26
23:00	3.2	2.0	2.9	3.5	2.4	3.9	1.4	1.1	.02
Avg	.0	2.8	3.8	4.8	3.3	5.3	.7	.5	-.04
Max	8.1	6.0	7.4	8.4	6.6	8.9	4.4	4.5	.17
Hr. of Max	19	16	16	16	16	19	18	18	18
Min	.0	.1	.7	1.2	.4	1.6	-4.3	-3.5	-.26
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/24/2015

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	.09	1.4	4.1	7.3	1.5	8.1	9.0	4.2
01:00	.00	2.1	2.3	8.0	2.7	5.8	8.7	9.4
02:00	.06	2.7	3.7	4.8	3.2	5.0	9.5	8.1
03:00	.14	2.7	3.9	5.3	3.2	5.7	11.4	12.4
04:00	.02	2.5	4.8	10.3	3.1	8.4	10.1	3.8
05:00	-.01	2.5	3.7	6.9	2.6	5.3	10.4	7.2
06:00	-.01	2.7	2.1	5.3	3.4	3.3	8.4	6.3
07:00	.00	2.3	3.4	5.5	2.4	5.9	12.3	5.1
08:00	-.12	3.2	3.4	6.0	4.1	4.6	29.0	18.6
09:00	-.27	8.9	9.4	7.3	9.9	8.0	25.3	26.1
10:00	-.11	10.8	11.9	14.4	11.9	14.7	22.4	21.7
11:00	-.22	12.6	13.7	14.7	14.0	15.5	20.2	20.6
12:00	-.07	16.7	13.5	15.3	13.5	16.9	21.8	21.6
13:00	-.06	13.1	14.2	12.8	14.7	15.3	25.3	28.1
14:00	.35	11.7	13.1	13.1	13.3	14.9	20.4	23.7
15:00	.08	15.8	15.3	14.2	16.2	16.0	22.3	23.2
16:00	-.33	17.2	16.7	17.6	16.6	18.6	17.2	13.6
17:00	.11	15.1	16.7	17.9	18.4	18.7	17.3	16.1
18:00	.30	13.1	16.7	19.0	15.2	18.8	19.9	16.5
19:00	-.05	12.4	15.1	20.8	14.0	17.3	18.0	9.8
20:00	-.01	8.0	10.5	14.4	8.5	13.5	14.2	7.1
21:00	-.01	4.8	10.1	13.5	6.3	11.3	10.5	7.8
22:00	-.27	7.6	10.3	12.6	9.0	12.7	13.7	10.1
23:00	-.02	5.3	6.4	9.4	5.8	9.4	16.3	19.2
Avg	-.02	8.1	9.4	11.5	8.9	11.4	16.4	14.2
Max	.35	17.2	16.7	20.8	18.4	18.8	29.0	28.1
Hr. of Max	14	16	18	19	17	18	08	13
Min	-.33	1.4	2.1	4.8	1.5	3.3	8.4	3.8
Count	24	24	24	24	24	24	24	24
Total								