Date Printed: 04/07/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/6/2015

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	11.4	14.0	15.0	15.4	2.59	3.54	3.93	.96	1.34
01:00	11.4	13.5	14.7	15.4	2.09	3.35	4.00	1.26	1.92
02:00	10.8	12.8	13.7	14.8	1.97	2.91	4.02	.93	2.04
03:00	10.6	12.5	13.1	14.0	1.92	2.48	3.35	.56	1.44
04:00	10.5	12.0	12.7	13.7	1.54	2.15	3.16	.61	1.62
05:00	10.4	11.7	12.2	13.2	1.30	1.79	2.74	.50	1.44
06:00	10.7	11.7	12.0	12.7	.97	1.26	2.01	.29	1.04
07:00	10.4	11.4	11.7	12.4	1.05	1.33	2.01	.28	.96
08:00	10.5	11.2	11.5	12.0	.71	1.03	1.46	.32	.75
09:00	12.5	12.4	12.4	12.9	-.07	-.11	.36	-.04	.43
10:00	14.3	14.2	14.0	14.0	-.08	-.27	-.26	-.19	-.18
11:00	15.5	15.4	15.1	15.0	-.12	-.35	-.44	-.22	-.32
12:00	15.5	15.4	15.2	15.1	-.10	-.32	-.42	-.22	-.32
13:00	16.1	15.9	15.7	15.6	-.19	-.42	-.50	-.22	-.31
14:00	16.8	16.6	16.3	16.3	-.20	-.45	-.54	-.25	-.34
15:00	17.1	16.9	16.7	16.6	-.15	-.37	-.45	-.21	-.30
16:00	12.9	13.0	12.9	12.9	.08	-.05	-.06	-.12	-.14
17:00	11.6	11.5	11.3	11.3	-.14	-.30	-.30	-.16	-.16
18:00	12.0	11.9	11.7	11.7	-.14	-.32	-.35	-.17	-.21
19:00	12.3	12.2	12.1	12.1	-.04	-.15	-.14	-.11	-.09
20:00	12.3	12.4	12.3	12.4	.04	-.05	.03	-.08	-.01
21:00	12.5	12.6	12.5	12.6	.06	-.04	.08	-.10	.02
22:00	12.5	12.6	12.5	12.6	.07	.02	.11	-.05	.04
23:00	12.5	12.5	12.5	12.7	.03	.06	.25	.03	.22
Avg	12.6	13.2	13.3	13.6	.55	.70	1.00	.15	.45
Max	17.1	16.9	16.7	16.6	2.59	3.54	4.02	1.26	2.04
Hr. of Max	15	15	15	15	00	00	02	01	02
Min	10.4	11.2	11.3	11.3	-.20	-.45	-.54	-.25	-.34
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/6/2015

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	3.7	.9	6.3	14.1	59.6	41.5	6.1	5.0	0.005058
01:00	3.6	1.2	6.2	13.9	59.5	44.0	6.0	5.1	0.005024
02:00	4.2	1.7	6.4	13.8	64.3	47.4	6.3	5.3	0.005236
03:00	4.1	1.3	6.3	13.6	64.8	46.9	6.3	5.1	0.00521
04:00	4.3	3.0	6.4	13.4	66.3	54.7	6.4	5.8	0.005285
05:00	4.7	3.4	6.6	13.3	68.4	57.4	6.5	6.0	0.005419
06:00	5.1	3.6	7.0	13.2	68.9	58.3	6.7	6.1	0.005576
07:00	6.0	4.0	7.4	13.1	75.1	60.9	7.2	6.2	0.005926
08:00	7.0	4.7	8.2	13.0	79.9	65.1	7.7	6.6	0.006359
09:00	7.2	6.4	9.0	12.9	70.8	67.5	7.7	7.3	0.006441
10:00	5.6	4.7	8.5	12.9	57.1	53.6	6.9	6.5	0.005814
11:00	4.5	3.8	8.2	13.0	48.7	46.7	6.4	6.1	0.005375
12:00	5.6	5.0	8.9	13.1	52.5	50.6	6.9	6.6	0.0058
13:00	6.0	5.5	9.4	13.2	52.0	50.7	7.1	6.8	0.00597
14:00	6.5	6.0	10.0	13.4	51.6	50.5	7.3	7.1	0.006198
15:00	7.0	6.5	10.4	13.5	52.4	51.1	7.5	7.3	0.006406
16:00	10.1	9.6	11.0	13.7	84.5	81.7	9.4	9.1	0.007871
17:00	10.6	10.6	10.9	13.8	94.6	95.7	9.7	9.8	0.008129
18:00	11.2	11.2	11.4	13.8	95.9	97.1	10.1	10.1	0.008455
19:00	11.5	11.6	11.7	13.7	96.2	97.0	10.3	10.4	0.008638
20:00	11.6	11.8	11.9	13.6	96.8	97.5	10.4	10.5	0.008728
21:00	11.8	12.0	12.1	13.6	97.1	97.8	10.5	10.7	0.008847
22:00	11.9	12.1	12.1	13.5	97.6	98.1	10.6	10.7	0.008909
23:00	11.9	12.0	12.1	13.4	97.8	98.3	10.6	10.7	0.008903
Avg	7.3	6.4	9.1	13.4	73.0	67.1	7.9	7.5	0.006649
Max	11.9	12.1	12.1	14.1	97.8	98.3	10.6	10.7	0.008909
Hr. of Max	23	22	23	00	23	23	23	23	22
Min	3.6	.9	6.2	12.9	48.7	41.5	6.0	5.0	0.005024
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/6/2015

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	0.004167	8.0	6.6	.00	29.27	991.4	-2.5	.00	344.0
01:00	0.004251	7.9	6.7	.00	29.27	991.3	-2.6	.00	54.1
02:00	0.004399	8.3	7.0	.00	29.27	991.2	-2.1	.00	28.5
03:00	0.004286	8.2	6.8	.00	29.26	991.0	-2.4	.00	36.0
04:00	0.004835	8.4	7.6	.00	29.27	991.2	-2.1	.00	43.2
05:00	0.004963	8.6	7.8	.00	29.28	991.6	-2.5	.00	24.7
06:00	0.005031	8.8	8.0	.00	29.30	992.3	-2.0	.00	99.9
07:00	0.005156	9.4	8.2	.00	29.32	992.8	1.0	.00	270.3
08:00	0.005435	10.1	8.6	.00	29.33	993.4	25.4	.04	285.6
09:00	0.006109	10.2	9.7	.00	29.34	993.5	131.0	.19	95.0
10:00	0.005428	9.2	8.6	.00	29.34	993.4	136.1	.20	63.5
11:00	0.00511	8.5	8.1	.00	29.33	993.4	146.5	.21	198.1
12:00	0.005562	9.2	8.8	.00	29.33	993.2	116.0	.17	206.1
13:00	0.005753	9.4	9.1	.00	29.31	992.6	171.1	.25	35.1
14:00	0.00599	9.8	9.5	.00	29.29	992.0	213.2	.31	76.1
15:00	0.006187	10.1	9.8	.00	29.27	991.4	118.3	.17	243.2
16:00	0.007619	12.4	12.0	.13	29.28	991.5	29.0	.04	256.9
17:00	0.00814	12.8	12.8	.19	29.29	991.9	28.1	.04	210.8
18:00	0.008489	13.3	13.3	.06	29.27	991.3	29.1	.04	101.4
19:00	0.008687	13.6	13.7	.03	29.27	991.1	3.1	.00	30.0
20:00	0.008807	13.7	13.8	.07	29.25	990.7	-1.9	.00	80.3
21:00	0.008947	13.9	14.1	.01	29.26	990.8	-2.4	.00	199.1
22:00	0.008998	14.0	14.1	.01	29.26	990.9	-2.0	.00	80.8
23:00	0.008964	14.0	14.1	.00	29.26	990.9	-2.8	.00	231.5
Avg	0.006305	10.5	10.0	.02	29.29	991.9	46.8	.07	61.0
Max	0.008998	14.0	14.1	.19	29.34	993.5	213.2	.31	344.0
Hr. of Max	22	23	23	17	10	09	14	14	00
Min	0.004167	7.9	6.6	.00	29.25	990.7	-2.8	.00	24.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/6/2015

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	228.3	173.7	342.4	173.7	56.4	70.3	34.0	.5	.2
01:00	73.6	122.7	55.1	119.6	57.4	40.0	42.7	.5	1.1
02:00	7.3	345.7	34.6	342.8	59.7	49.0	24.7	.4	.8
03:00	61.3	318.6	193.2	316.4	51.4	49.8	26.4	.1	.3
04:00	66.6	57.1	45.2	53.1	36.8	18.6	21.5	.7	1.3
05:00	56.3	76.0	39.3	72.9	67.9	24.7	16.1	.4	1.4
06:00	57.4	56.1	80.8	52.2	20.5	16.9	9.2	.5	1.6
07:00	107.6	51.0	257.5	48.9	57.1	56.3	30.0	.5	.4
08:00	67.1	76.2	286.4	71.6	48.0	68.2	56.0	.5	.3
09:00	56.1	26.3	99.5	21.1	57.4	23.8	15.0	.6	1.2
10:00	65.1	65.9	61.0	62.2	50.7	27.6	17.5	.6	1.3
11:00	192.2	184.6	206.3	185.1	42.2	53.5	48.2	1.1	1.3
12:00	208.2	196.3	213.3	195.8	51.0	39.2	27.5	1.5	1.9
13:00	38.1	55.2	38.5	50.1	41.9	47.3	37.0	.6	.9
14:00	57.3	42.9	79.8	38.8	42.9	50.5	61.2	.7	.8
15:00	250.2	254.2	246.2	254.9	31.7	24.2	23.0	2.9	3.6
16:00	269.3	271.6	261.3	271.9	20.6	17.0	13.8	3.9	5.5
17:00	249.0	300.9	220.7	307.4	45.3	50.0	48.6	1.4	1.7
18:00	88.7	60.2	113.4	52.7	68.5	55.8	47.2	.5	.7
19:00	31.2	29.3	23.6	22.3	45.6	32.8	19.4	.6	1.0
20:00	71.0	55.0	85.3	47.6	54.3	44.4	54.9	.9	1.4
21:00	288.6	88.1	223.9	83.8	46.7	44.9	21.4	.2	.5
22:00	72.8	91.2	89.8	83.6	50.0	48.8	26.8	.1	.4
23:00	261.2	260.6	235.6	262.6	16.8	15.2	17.7	1.6	1.9
Avg	59.0	55.0	78.0	47.0	46.7	40.4	30.8	.0	.0
Max	288.6	345.7	342.4	342.8	68.5	70.3	61.2	3.9	5.5
Hr. of Max	21	02	00	02	18	00	14	16	16
Min	7.3	26.3	23.6	21.1	16.8	15.2	9.2	.1	.2
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)

4/6/2015

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	1.9	.7	.7	2.1	1.1	2.6	-.5	-1.6	-.01
01:00	1.5	.8	1.3	1.9	1.2	2.4	2.8	1.5	.09
02:00	.8	.7	1.1	1.3	1.1	1.7	2.2	1.9	.04
03:00	.7	.3	.5	1.0	.7	1.3	3.0	.8	.04
04:00	1.2	.9	1.4	1.3	1.3	1.8	1.1	1.4	.02
05:00	1.8	.7	1.6	2.0	1.1	2.3	3.0	2.7	.05
06:00	2.9	.6	1.7	3.0	.9	3.3	1.3	-.2	.01
07:00	1.1	.8	.9	1.2	1.2	1.6	2.1	2.1	.04
08:00	.5	1.3	.8	.6	1.7	1.1	.7	.0	.01
09:00	1.7	.8	1.4	1.8	1.2	2.1	.8	-.3	.01
10:00	1.9	.7	1.4	2.0	1.2	2.3	2.6	1.5	.02
11:00	1.6	2.2	2.5	2.7	2.8	3.3	3.1	4.8	.10
12:00	2.4	1.7	2.1	2.5	2.2	2.9	-3.3	-5.1	-.11
13:00	.8	1.0	1.3	1.4	1.5	1.9	-5.6	-4.3	-.15
14:00	.7	1.2	1.3	1.3	1.6	1.9	-1.4	-11.0	-.04
15:00	3.9	3.2	3.8	4.1	3.7	4.6	1.3	2.7	-.05
16:00	6.9	4.2	5.8	7.3	4.6	7.5	-.1	.0	-.09
17:00	2.5	2.2	2.7	3.3	2.8	3.5	.2	.0	-.08
18:00	1.0	1.1	1.2	1.4	1.6	1.8	.7	-1.8	.05
19:00	1.3	.7	1.1	1.4	1.1	1.8	-2.3	-3.1	-.06
20:00	1.8	1.9	2.5	3.1	2.4	3.4	1.2	.8	.03
21:00	1.2	1.2	1.4	1.4	1.6	1.8	1.0	-1.1	.00
22:00	.9	.5	.6	1.0	.8	1.4	1.4	.8	.01
23:00	2.2	1.7	2.1	2.4	2.2	2.7	.6	-.2	.01
Avg	.0	1.3	1.7	2.1	1.7	2.5	.7	-.3	.00
Max	6.9	4.2	5.8	7.3	4.6	7.5	3.1	4.8	.10
Hr. of Max	16	16	16	16	16	16	11	11	11
Min	.5	.3	.5	.6	.7	1.1	-5.6	-11.0	-.15
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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4/6/2015

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	-.16	3.2	6.0	13.3	2.7	7.7	20.8	20.5
01:00	-.01	3.9	3.9	6.4	4.0	7.7	18.5	21.9
02:00	.06	3.9	4.1	4.8	4.2	3.8	12.8	17.3
03:00	.03	1.4	1.6	3.0	1.6	3.1	12.5	14.5
04:00	.07	2.7	3.0	2.7	3.0	3.3	14.1	13.5
05:00	.13	2.7	5.0	4.1	3.0	4.5	12.8	10.8
06:00	-.01	2.5	3.4	5.5	2.7	5.8	10.7	4.1
07:00	.07	3.2	3.4	4.6	3.8	3.2	7.8	8.2
08:00	.03	3.2	2.5	3.0	3.5	3.2	8.1	13.6
09:00	.00	3.2	3.4	3.4	3.1	3.7	16.2	9.0
10:00	.05	3.0	3.7	4.8	3.6	4.9	22.9	14.8
11:00	.27	7.1	6.9	8.2	7.8	8.1	20.6	24.4
12:00	-.27	5.3	5.7	6.0	6.1	6.4	21.0	19.3
13:00	-.11	3.9	5.0	4.6	4.1	5.1	26.3	24.3
14:00	-.43	6.2	6.4	6.2	4.3	4.6	27.4	27.4
15:00	.11	8.9	9.2	8.9	8.8	9.8	16.9	15.8
16:00	-.04	10.8	13.7	13.3	10.8	13.8	12.7	8.9
17:00	-.02	9.8	16.0	19.2	11.1	9.0	15.7	18.2
18:00	.01	5.3	6.0	6.4	5.4	5.4	19.0	16.7
19:00	-.10	2.3	2.5	2.7	2.7	3.3	12.8	8.8
20:00	.05	6.9	7.1	7.8	7.2	8.3	12.4	11.4
21:00	-.05	9.2	8.5	8.2	5.0	6.0	12.6	11.2
22:00	.03	2.1	2.7	2.5	2.5	3.0	8.4	8.3
23:00	.00	3.9	4.4	4.6	4.3	4.8	6.9	7.4
Avg	-.01	4.8	5.6	6.4	4.8	5.8	15.4	14.6
Max	.27	10.8	16.0	19.2	11.1	13.8	27.4	27.4
Hr. of Max	11	16	17	17	17	16	14	14
Min	-.43	1.4	1.6	2.5	1.6	3.0	6.9	4.1
Count	24	24	24	24	24	24	24	24
Total								