Date Printed: 05/14/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/13/2015

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	15.1	17.7	18.7	18.9	2.63	3.59	3.87	.96	1.23
01:00	15.4	17.4	17.6	17.7	1.91	2.17	2.28	.25	.37
02:00	16.3	16.9	16.9	17.0	.55	.62	.68	.07	.13
03:00	14.5	15.7	16.1	16.2	1.28	1.61	1.75	.33	.47
04:00	12.3	14.7	15.0	15.2	2.33	2.70	2.91	.37	.58
05:00	14.0	14.6	14.7	14.8	.61	.70	.78	.09	.17
06:00	13.5	14.1	14.2	14.3	.56	.68	.78	.12	.22
07:00	13.9	14.2	14.3	14.2	.29	.42	.32	.14	.03
08:00	15.5	15.1	14.9	14.7	-.33	-.59	-.74	-.27	-.41
09:00	17.0	16.3	15.8	15.5	-.73	-1.19	-1.44	-.46	-.71
10:00	18.1 P	17.0 P	16.6 P	16.3 P	P	P	P	P	P
11:00	19.5	18.2	17.8	17.6	-1.23	-1.65	-1.91	-.42	-.68
12:00	21.0	19.7	19.3	19.0	-1.28	-1.69	-1.94	-.41	-.66
13:00	22.4	21.0	20.6	20.4	-1.37	-1.78	-1.97	-.40	-.60
14:00	23.8	22.4	22.0	21.8	-1.36	-1.80	-2.01	-.43	-.65
15:00	24.7	23.5	23.1	23.0	-1.26	-1.59	-1.75	-.33	-.49
16:00	25.2	24.2	23.8	23.6	-.96	-1.36	-1.54	-.40	-.58
17:00	25.4	24.6	24.2	24.0	-.81	-1.17	-1.37	-.37	-.57
18:00	24.9	24.6	24.3	24.2	-.37	-.64	-.78	-.27	-.42
19:00	23.3	23.5	23.4	23.4	.15	.06	.05	-.10	-.10
20:00	20.1	21.6	21.7	21.9	1.51	1.61	1.80	.10	.30
21:00	18.2	19.9	20.2	20.5	1.76	2.01	2.35	.25	.60
22:00	15.9	18.9	19.1	19.5	2.96	3.23	3.56	.27	.60
23:00	15.7	17.7	18.1	18.6	2.02	2.46	2.96	.43	.94
Avg	18.6	18.9	18.9	18.8	.39	.37	.38	-.02	-.01
Max	25.4	24.6	24.3	24.2	2.96	3.59	3.87	.96	1.23
Hr. of Max	17	18	18	18	22	00	00	00	00
Min	12.3	14.1	14.2	14.2	-1.37	-1.80	-2.01	-.46	-.71
Count	24	24	24	24	23	23	23	23	23
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/13/2015

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	9.0	7.1	11.0	23.5	68.1	50.7	8.7	7.6	0.007323
01:00	8.6	6.6	10.9	23.2	64.7	50.0	8.4	7.3	0.007123
02:00	6.4	5.7	9.7	22.9	52.6	48.3	7.2	6.9	0.006126
03:00	6.5	5.7	9.2	22.6	59.7	51.9	7.3	6.9	0.006162
04:00	7.0	6.1	8.8	22.3	71.0	57.4	7.6	7.2	0.006374
05:00	6.7	6.3	9.1	22.0	62.3	58.1	7.4	7.2	0.006236
06:00	6.5	6.3	8.8	21.7	63.3	60.1	7.4	7.2	0.006146
07:00	6.8	6.2	9.1	21.4	63.0	59.4	7.5	7.2	0.006258
08:00	6.8	6.3	9.7	21.2	57.3	56.5	7.5	7.2	0.006294
09:00	6.6	6.0	10.0	20.9	51.0	51.4	7.3	7.1	0.00618
10:00	P	P	P	20.8 P	48.3 P	49.5 P	P	P	P
11:00	6.6	5.9	10.9	21.0	43.8	45.1	7.3	7.0	0.006208
12:00	6.2	5.8	11.1	21.5	39.0	41.0	7.1	6.9	0.006067
13:00	5.7	5.3	11.2	22.1	34.6	36.6	6.8	6.6	0.005865
14:00	5.2	4.9	11.4	22.8	30.7	32.7	6.6	6.5	0.005695
15:00	5.1	4.8	11.7	23.2	29.0	30.5	6.5	6.4	0.005675
16:00	4.1	3.7	11.1	23.3	26.3	27.0	6.1	5.9	0.005298
17:00	3.8	3.4	11.0	23.5	25.5	25.9	6.0	5.8	0.005209
18:00	4.4	4.2	11.2	23.6	27.2	27.4	6.2	6.1	0.005408
19:00	5.6	5.3	11.5	23.5	32.6	31.6	6.8	6.6	0.005862
20:00	6.5	5.6	11.0	23.4	42.0	36.1	7.2	6.8	0.006184
21:00	6.7	6.4	10.6	23.3	48.1	42.0	7.4	7.2	0.006282
22:00	7.5	6.5	10.3	23.0	58.3	45.1	7.8	7.2	0.006604
23:00	7.5	7.1	10.2	22.8	59.2	50.6	7.8	7.6	0.006604
Avg	6.3	5.7	10.4	22.5	48.2	44.4	7.2	6.9	0.006138
Max	9.0	7.1	11.7	23.6	71.0	60.1	8.7	7.6	0.007323
Hr. of Max	00	23	15	18	04	06	00	23	00
Min	3.8	3.4	8.8	20.8	25.5	25.9	6.0	5.8	0.005209
Count	23	23	23	24	24	24	23	23	23
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

5/13/2015

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	0.00643	11.6	10.2	.00	29.31	992.6	-3.0	.00	313.9
01:00	0.006218	11.2	9.8	.00	29.31	992.6	-2.4	.00	1.3
02:00	0.005832	9.7	9.2	.00	29.30	992.3	-1.0	.00	13.0
03:00	0.005827	9.7	9.2	.00	29.30	992.3	-3.0	.00	15.7
04:00	0.00601	10.1	9.5	.00	29.32	993.0	-1.5	.00	34.7
05:00	0.006054	9.9	9.6	.00	29.34	993.4	-3.3	.00	42.5
06:00	0.006053	9.7	9.6	.00	29.36	994.3	4.6	.01	30.3
07:00	0.006011	9.9	9.5	.00	29.38	995.0	97.1	.14	39.5
08:00	0.006076	10.0	9.6	.00	29.41	995.8	352.0	.50	48.5
09:00	0.005946	9.8	9.4	.00	29.41	995.9	575.6	.83	64.1
10:00	P	P	P	.00 P	29.41 P	995.9 P	768.9 P	1.10 P	78.0 P
11:00	0.005917	9.8	9.4	.00	29.40	995.8	911.9	1.31	87.9
12:00	0.005881	9.6	9.3	.00	29.39	995.3	1005.3	1.44	72.8
13:00	0.005696	9.3	9.0	.00	29.37	994.6	1032.9	1.48	95.4
14:00	0.005575	9.0	8.8	.00	29.35	993.9	1007.5	1.44	84.8
15:00	0.005544	9.0	8.8	.00	29.34	993.5	913.8	1.31	100.8
16:00	0.005135	8.4	8.1	.00	29.31	992.6	645.6	.93	83.8
17:00	0.005039	8.2	8.0	.00	29.29	992.1	462.3	.66	80.9
18:00	0.005321	8.5	8.4	.00	29.29	991.9	337.4	.48	68.6
19:00	0.005743	9.3	9.1	.00	29.29	992.1	139.2	.20	51.5
20:00	0.00584	9.8	9.2	.00	29.32	992.8	6.9	.01	42.8
21:00	0.006133	9.9	9.7	.00	29.33	993.1	-1.7	.00	64.9
22:00	0.006166	10.4	9.8	.00	29.35	993.8	-2.5	.00	48.5
23:00	0.006425	10.4	10.2	.00	29.35	993.9	-3.6	-.01	56.7
Avg	0.005864	9.7	9.3	.00	29.34	993.7	343.3	.49	54.0
Max	0.00643	11.6	10.2	.00	29.41	995.9	1032.9	1.48	313.9
Hr. of Max	00	00	23	23	10	10	13	13	00
Min	0.005039	8.2	8.0	.00	29.29	991.9	-3.6	-.01	1.3
Count	23	23	23	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/13/2015

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	339.9	347.2	310.4	341.9	58.7	39.7	21.3	1.1	1.5
01:00	9.0	8.0	3.5	2.3	31.5	15.9	15.9	2.0	5.1
02:00	16.4	14.8	14.2	9.2	39.3	16.9	16.2	2.5	6.5
03:00	31.2	31.5	19.1	26.0	39.9	17.7	10.6	1.3	4.0
04:00	40.1	43.4	37.0	38.3	24.5	10.4	7.8	1.8	5.2
05:00	37.8	39.7	44.3	34.4	31.2	12.9	9.4	2.5	6.4
06:00	31.2	32.5	32.3	26.9	32.4	14.8	11.1	2.8	6.7
07:00	36.3	36.9	44.3	31.6	32.7	16.1	11.8	2.8	6.3
08:00	42.4	44.1	50.2	39.7	34.1	20.9	15.7	3.5	6.2
09:00	53.3	53.2	65.5	49.2	38.0	22.0	14.7	4.8	8.6
10:00	69.8 P	68.3 P	80.5 P	64.1 P	21.7 P	21.6 P	16.7 P	6.8 P	8.6 P
11:00	78.4	74.0	89.6	70.2	23.5	20.4	16.9	6.3	7.2
12:00	62.1	55.2	73.3	50.4	55.0	46.6	36.7	3.7	4.6
13:00	92.9	87.2	96.8	83.3	29.7	32.0	32.3	4.7	5.1
14:00	77.9	76.9	85.9	73.2	39.3	31.0	29.7	3.9	4.6
15:00	87.6	78.0	102.3	74.4	47.1	42.6	39.3	3.3	3.4
16:00	85.7	82.0	84.5	78.2	35.9	29.0	26.0	4.2	5.4
17:00	76.7	75.7	81.3	71.7	27.4	23.7	19.3	6.0	7.4
18:00	62.9	62.3	67.7	58.1	31.6	21.8	15.4	4.5	7.6
19:00	46.9	50.1	53.1	45.5	35.2	17.8	11.6	2.8	6.5
20:00	51.4	50.8	45.2	46.4	15.8	11.8	8.3	2.3	4.3
21:00	57.1	46.3	67.3	41.8	15.6	13.8	9.6	2.4	4.6
22:00	56.0	54.3	48.9	49.9	16.7	10.8	7.4	2.1	4.0
23:00	64.1	59.5	59.5	55.7	19.3	10.1	5.8	2.4	5.9
Avg	52.0	51.0	56.0	46.0	32.3	21.7	17.1	.0	.0
Max	339.9	347.2	310.4	341.9	58.7	46.6	39.3	6.8	8.6
Hr. of Max	00	00	00	00	00	12	15	10	10
Min	9.0	8.0	3.5	2.3	15.6	10.1	5.8	1.1	1.5
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)

5/13/2015

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	3.4	1.8	2.4	3.8	2.2	4.2	.5	-3.1	-.02
01:00	6.9	2.2	5.4	7.4	2.6	7.9	-.9	-.4	-.16
02:00	8.4	2.9	6.7	8.8	3.4	9.4	1.4	-.3	-.15
03:00	5.7	1.6	4.1	5.9	2.0	6.3	.6	.0	-.04
04:00	7.8	2.0	5.3	7.8	2.2	8.2	-2.1	-1.0	-.15
05:00	8.6	2.8	6.5	8.7	3.1	9.2	-1.1	-.9	-.24
06:00	9.0	3.2	6.9	9.2	3.5	9.6	-.5	-.4	-.27
07:00	8.4	3.3	6.5	8.7	3.8	9.2	-1.1	-.4	-.35
08:00	7.6	4.0	6.6	7.9	4.7	8.5	-4.3	.4	-.58
09:00	11.5	5.6	9.1	11.9	6.5	12.6	1.2	2.0	-.15
10:00	10.6 P	7.5 P	9.3 P	11.3 P	8.3 P	12.0 P	.3 P	3.7 P	-.12 P
11:00	8.2	6.8	7.7	8.5	7.4	9.1	.1	-.1	-.08
12:00	5.5	5.0	5.7	6.3	5.6	7.0	-3.5	-.8	-.41
13:00	5.5	5.3	5.8	6.2	6.1	6.9	-2.0	-1.0	-.23
14:00	5.1	4.8	5.8	6.2	5.7	7.0	2.3	2.1	.14
15:00	3.5	4.3	4.5	4.7	5.1	5.5	-.1	1.8	-.11
16:00	6.2	4.9	6.0	6.8	5.6	7.4	-.2	-.8	-.12
17:00	8.4	6.4	8.0	8.9	7.1	9.4	1.0	1.2	-.06
18:00	9.8	5.2	8.1	10.1	5.9	10.7	-.1	1.7	-.22
19:00	9.0	3.2	6.8	9.2	3.9	9.7	-1.3	.0	-.30
20:00	6.7	2.4	4.5	6.8	2.5	7.2	-4.0	-.8	-.24
21:00	6.8	2.5	4.8	6.9	2.8	7.3	-2.5	1.0	-.19
22:00	5.7	2.3	4.1	5.8	2.5	6.1	-2.1	-.7	-.12
23:00	8.6	2.6	6.0	8.6	2.9	9.0	-4.0	-.9	-.27
Avg	.0	3.9	6.1	7.8	4.4	8.3	-.9	.1	-.19
Max	11.5	7.5	9.3	11.9	8.3	12.6	2.3	3.7	.14
Hr. of Max	09	10	10	09	10	09	14	10	14
Min	3.4	1.6	2.4	3.8	2.0	4.2	-4.3	-3.1	-.58
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)

5/13/2015

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	-.23	5.5	8.9	10.1	6.9	11.0	12.3	13.3
01:00	-.13	6.9	10.8	13.5	8.4	14.5	19.8	7.4
02:00	-.17	10.8	14.2	15.6	10.9	16.8	23.4	9.1
03:00	-.05	7.6	15.3	19.9	8.6	12.7	17.8	7.3
04:00	-.18	7.1	10.3	13.5	7.5	13.7	15.5	5.4
05:00	-.24	9.2	16.7	20.4	9.3	17.5	22.5	8.0
06:00	-.19	10.5	14.7	16.0	12.1	17.9	22.7	8.6
07:00	-.16	10.1	14.0	22.9	11.9	17.4	23.7	9.3
08:00	-.14	12.1	17.6	16.3	12.5	17.8	21.1	12.8
09:00	.17	18.8	20.6	26.8	22.7	23.2	23.0	12.7
10:00	.51 P	<	<	<	<	<	<	<
11:00	-.11	16.7	16.5	16.3	17.1	17.5	15.6	14.6
12:00	-.26	14.0	16.9	18.3	14.5	16.2	25.2	22.2
13:00	-.10	13.1	14.9	13.3	14.7	14.4	19.3	21.5
14:00	.34	13.3	13.5	14.7	14.0	15.9	22.9	23.3
15:00	.17	11.7	12.1	11.0	13.1	13.0	22.1	24.8
16:00	-.07	12.6	14.0	14.2	15.4	16.4	20.7	20.2
17:00	.12	15.8	17.6	19.5	16.4	18.4	18.4	13.1
18:00	.13	14.7	16.0	23.1	14.0	17.6	21.6	11.8
19:00	-.10	11.0	16.0	18.1	12.3	18.5	23.6	9.5
20:00	-.15	5.7	12.6	19.0	5.8	15.1	13.4	6.3
21:00	.05	5.7	10.3	14.0	6.9	14.2	12.4	7.3
22:00	-.09	4.6	8.5	9.4	4.8	10.1	10.0	4.7
23:00	-.16	6.9	10.3	14.2	6.6	14.1	11.4	3.6
Avg	-.04	10.6	14.0	16.5	11.6	15.8	19.1	12.0
Max	.51	18.8	20.6	26.8	22.7	23.2	25.2	24.8
Hr. of Max	10	09	09	09	09	09	12	15
Min	-.26	4.6	8.5	9.4	4.8	10.1	10.0	3.6
Count	24	23	23	23	23	23	23	23
Total								