Date Printed: 02/07/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

2/6/2015

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	-6.8	-3.9	-3.6	-3.4	2.95	3.21	3.38	.26	.43
01:00	-7.5	-5.2	-4.5	-3.9	2.31	3.02	3.64	.72	1.33
02:00	-7.9	-5.8	-5.3	-4.6	2.11	2.62	3.37	.51	1.26
03:00	-8.6	-6.6	-5.7	-4.7	2.07	2.91	3.91	.84	1.84
04:00	-9.1	-7.2	-6.5	-5.4	1.93	2.67	3.77	.74	1.84
05:00	-9.5	-7.7	-7.0	-5.8	1.81	2.57	3.75	.76	1.94
06:00	-9.8	-8.0	-7.3	-6.2	1.81	2.50	3.56	.69	1.75
07:00	-9.7	-8.3	-7.6	-6.8	1.44	2.13	2.91	.69	1.46
08:00	-7.1	-6.9	-6.8	-6.5	.19	.36	.58	.18	.40
09:00	-3.8	-4.1	-4.4	-4.5	-.34	-.58	-.70	-.23	-.36
10:00	-1.2	-1.7	-2.0	-2.2	-.53	-.79	-.96	-.26	-.43
11:00	1.2	.4	.1	.0	-.79	-1.04	-1.18	-.25	-.39
12:00	3.3	2.4	2.2	2.1	-.91	-1.14	-1.24	-.24	-.33
13:00	5.6	4.6	4.3	4.2	-.94	-1.21	-1.36	-.27	-.43
14:00	7.0	6.1	5.8	5.7	-.91	-1.22	-1.38	-.30	-.46
15:00	8.2	7.4	7.1	6.9	-.78	-1.10	-1.26	-.33	-.49
16:00	8.5	8.0	7.7	7.6	-.44	-.74	-.88	-.30	-.44
17:00	7.2	7.8	7.6	7.5	.56	.40	.31	-.16	-.25
18:00	3.0	6.4	6.7	6.9	3.34	3.72	3.88	.38	.54
19:00	.7	4.1	5.5	6.1	3.37	4.75	5.40	1.38	2.02
20:00	-.4	2.3	3.8	5.1	2.69	4.15	5.44	1.45	2.75
21:00	-1.6	1.0	2.6	4.6	2.64	4.18	6.25	1.54	3.61
22:00	-2.2	.2	1.4	4.1	2.37	3.59	6.29	1.22	3.92
23:00	-2.9	-.7	.6	3.4	2.14	3.44	6.27	1.30	4.13
Avg	-1.8	-.6	-.2	.4	1.17	1.60	2.24	.43	1.07
Max	8.5	8.0	7.7	7.6	3.37	4.75	6.29	1.54	4.13
Hr. of Max	16	16	16	16	19	19	22	21	23
Min	-9.8	-8.3	-7.6	-6.8	-.94	-1.22	-1.38	-.33	-.49
Count	24	24	24	24	24	24	24	24	24
Total									

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

Daily Summary Report

Site: Tower "D" (1000 Area)

2/6/2015

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	-11.9	-16.2	-10.2	3.9	67.4	38.1	2.0	1.4	0.00154
01:00	-11.8	-14.8	-10.3	3.7	71.9	47.3	2.0	1.6	0.001554
02:00	-11.9	-13.4	-10.6	3.6	73.4	55.5	2.0	1.8	0.001535
03:00	-12.1	-14.2	-11.0	3.5	76.0	54.9	2.0	1.7	0.001507
04:00	-12.1	-13.0	-11.1	3.4	79.3	63.4	2.0	1.8	0.00151
05:00	-12.4	-12.9	-11.4	3.3	80.1	66.5	1.9	1.8	0.001478
06:00	-12.4	-12.6	-11.5	3.2	81.6	69.8	1.9	1.9	0.001476
07:00	-12.3	-12.9	-11.4	3.1	81.9	69.3	2.0	1.9	0.001491
08:00	-10.7	-11.6	-9.5	3.0	76.2	69.8	2.2	2.1	0.001698
09:00	-10.2	-11.4	-8.1	2.9	61.8	57.5	2.3	2.1	0.001769
10:00	-11.4	-12.7	-8.0	2.9	46.4	43.3	2.1	1.9	0.001613
11:00	-12.4	-13.8	-7.9	2.8	36.3	34.1	1.9	1.7	0.001499
12:00	-12.5	-13.7	-7.2	2.8	30.8	29.7	1.9	1.7	0.001493
13:00	-12.8	-13.7	-6.7	2.8	25.8	25.5	1.8	1.7	0.001462
14:00	-13.7	-15.1	-6.8	3.0	21.6	20.6	1.7	1.5	0.001359
15:00	-14.2	-15.5	-6.7	3.3	19.3	18.3	1.6	1.5	0.001314
16:00	-14.9	-16.3	-7.1	3.6	17.9	16.4	1.5	1.4	0.001242
17:00	-13.7	-15.3	-6.8	3.9	21.6	18.2	1.7	1.5	0.001363
18:00	-10.3	-14.2	-5.9	4.0	37.5	21.9	2.2	1.6	0.001771
19:00	-9.7	-13.6	-6.2	4.1	46.1	26.6	2.3	1.7	0.001853
20:00	-9.6	-10.6	-6.5	4.1	50.2	38.7	2.4	2.2	0.001865
21:00	-8.6	-9.5	-6.3	4.0	59.5	45.9	2.6	2.4	0.002016
22:00	-8.5	-9.4	-6.4	3.9	62.2	48.8	2.6	2.4	0.002025
23:00	-8.4	-11.3	-6.5	3.8	66.1	44.8	2.6	2.1	0.002046
Avg	-11.6	-13.2	-8.3	3.4	53.8	42.7	2.1	1.8	0.001603
Max	-8.4	-9.4	-5.9	4.1	81.9	69.8	2.6	2.4	0.002046
Hr. of Max	23	22	18	20	07	08	23	22	23
Min	-14.9	-16.3	-11.5	2.8	17.9	16.4	1.5	1.4	0.001242
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)

2/6/2015

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	0.001088	2.5	1.7	.00	29.45	997.3	-2.5	.00	36.0
01:00	0.00122	2.5	2.0	.00	29.45	997.5	-2.5	.00	261.4
02:00	0.001367	2.5	2.2	.00	29.46	997.6	-2.4	.00	40.5
03:00	0.001279	2.4	2.0	.00	29.46	997.6	-2.6	.00	255.6
04:00	0.001404	2.4	2.2	.00	29.46	997.6	-2.3	.00	30.0
05:00	0.001416	2.4	2.3	.00	29.46	997.8	-2.2	.00	272.1
06:00	0.001456	2.4	2.3	.00	29.47	998.0	-2.6	.00	31.2
07:00	0.001413	2.4	2.3	.00	29.47	998.0	15.8	.02	312.5
08:00	0.001578	2.7	2.5	.00	29.48	998.3	153.1	.22	84.7
09:00	0.001604	2.8	2.6	.00	29.49	998.5	293.7	.42	115.2
10:00	0.001447	2.6	2.3	.00	29.49	998.6	469.1	.67	119.4
11:00	0.00133	2.4	2.1	.00	29.49	998.5	529.2	.76	204.4
12:00	0.001347	2.4	2.2	.00	29.45	997.5	658.6	.94	206.6
13:00	0.001353	2.3	2.2	.00	29.42	996.3	662.3	.95	206.0
14:00	0.001215	2.2	1.9	.00	29.39	995.3	615.3	.88	198.2
15:00	0.001178	2.1	1.9	.00	29.37	994.6	443.5	.64	231.2
16:00	0.001107	2.0	1.8	.00	29.36	994.4	286.5	.41	232.2
17:00	0.001206	2.2	1.9	.00	29.35	994.1	67.1	.10	204.3
18:00	0.001312	2.8	2.1	.00	29.36	994.3	-.5	.00	258.6
19:00	0.001364	3.0	2.2	.00	29.36	994.3	-2.2	.00	249.3
20:00	0.001742	3.0	2.8	.00	29.36	994.3	-2.3	.00	70.2
21:00	0.001889	3.2	3.0	.00	29.35	993.9	-2.3	.00	172.7
22:00	0.001896	3.2	3.0	.00	29.34	993.7	-2.2	.00	350.7
23:00	0.001627	3.3	2.6	.00	29.33	993.3	-2.4	.00	255.9
Avg	0.00141	2.6	2.3	.00	29.42	996.3	173.6	.25	230.0
Max	0.001896	3.3	3.0	.00	29.49	998.6	662.3	.95	350.7
Hr. of Max	22	23	22	23	11	10	13	13	22
Min	0.001088	2.0	1.7	.00	29.33	993.3	-2.6	.00	30.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/6/2015

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	50.3	61.5	38.5	58.6	27.8	8.9	5.5	.9	2.6
01:00	15.9	31.1	295.9	26.8	51.7	15.0	8.0	.1	1.1
02:00	62.0	36.9	55.1	33.0	32.2	14.6	8.1	.3	1.2
03:00	16.6	14.5	249.6	10.2	52.1	41.6	12.8	.1	.6
04:00	59.3	37.1	41.6	33.6	55.1	14.4	16.0	.1	.9
05:00	44.7	55.3	227.6	52.4	33.0	7.9	6.4	.1	1.2
06:00	46.6	30.8	46.5	26.1	45.6	12.1	15.8	.1	1.2
07:00	50.3	40.6	233.6	36.7	54.8	22.3	10.2	.1	1.0
08:00	59.8	56.5	91.5	53.7	46.7	24.8	12.3	.1	1.2
09:00	86.0	62.3	132.7	62.3	38.9	49.0	48.9	.7	.9
10:00	117.5	133.8	121.0	130.7	62.4	54.5	42.7	.8	.8
11:00	212.5	212.5	211.7	214.0	29.3	24.7	21.8	2.6	2.9
12:00	215.7	210.7	215.4	214.1	57.2	51.0	39.2	2.0	2.3
13:00	218.1	217.2	211.7	218.8	53.7	40.9	33.9	3.1	3.8
14:00	208.8	209.8	202.1	210.8	44.7	40.0	34.5	2.9	3.5
15:00	235.5	233.5	236.3	235.6	34.2	27.2	22.0	3.9	4.7
16:00	241.7	239.4	238.6	241.2	30.2	31.8	24.7	3.6	4.4
17:00	206.5	202.0	210.1	204.0	20.7	17.6	14.1	3.0	4.6
18:00	217.2	209.3	258.4	211.5	20.5	7.8	6.0	1.1	3.1
19:00	234.0	229.3	240.9	231.6	44.2	24.8	4.6	.2	1.9
20:00	41.0	145.9	73.6	143.0	39.8	18.0	34.9	.4	.9
21:00	39.8	255.4	199.3	254.3	46.0	54.0	35.8	.3	.0
22:00	81.4	249.1	28.2	249.6	39.1	43.2	7.3	.0	.1
23:00	232.6	242.2	253.4	243.5	27.9	11.1	4.6	.7	2.3
Avg	88.0	189.0	213.0	209.0	41.2	27.4	19.6	.0	.0
Max	241.7	255.4	295.9	254.3	62.4	54.5	48.9	3.9	4.7
Hr. of Max	16	21	01	21	10	10	09	15	15
Min	15.9	14.5	28.2	10.2	20.5	7.8	4.6	.0	.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/6/2015

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	4.3	.9	2.6	4.4	1.3	4.7	1.2	-1.4	.00
01:00	2.4	.2	1.1	2.6	.5	2.9	1.3	.3	.02
02:00	2.0	.3	1.2	2.1	.8	2.4	1.8	1.2	.03
03:00	2.0	.1	.7	2.2	.7	2.5	2.7	1.0	.04
04:00	1.6	.2	1.0	1.7	.6	2.1	2.3	.2	.03
05:00	2.1	.2	1.2	2.2	.8	2.6	.6	-.5	.01
06:00	1.9	.1	1.3	2.1	.7	2.5	1.1	.2	.01
07:00	1.6	.1	1.1	1.6	.5	2.0	1.9	-.4	.03
08:00	2.5	.2	1.3	2.6	.9	3.0	-.2	-2.8	.00
09:00	1.0	.9	1.2	1.3	1.7	1.9	2.3	-2.8	.09
10:00	.7	1.2	1.1	1.1	1.9	1.9	2.2	-19.3	.16
11:00	3.0	3.1	3.3	3.3	3.8	4.0	-.5	-3.4	-.04
12:00	2.5	3.0	3.2	3.1	3.7	4.1	-1.4	-4.8	-.07
13:00	4.3	3.9	4.6	4.9	4.7	5.6	-.5	.9	-.15
14:00	4.2	4.0	4.4	5.0	4.7	5.8	2.2	5.0	.15
15:00	5.6	4.5	5.2	6.0	5.0	6.6	1.4	.5	-.04
16:00	5.2	3.9	4.8	5.6	4.5	6.2	.8	.4	-.08
17:00	5.8	3.2	4.8	6.0	3.8	6.4	2.3	.7	.08
18:00	5.0	1.4	3.3	5.2	1.8	5.6	.4	.9	-.01
19:00	4.2	.3	2.0	4.2	.9	4.6	2.6	2.2	.05
20:00	.6	.5	1.0	.8	.9	1.4	2.7	-.8	.04
21:00	1.7	.7	.9	2.1	1.1	2.5	2.1	.0	.03
22:00	2.8	.2	.3	2.9	.6	3.3	2.1	1.7	.03
23:00	4.1	.8	2.3	4.1	1.3	4.6	.5	2.3	-.01
Avg	.0	1.4	2.2	3.2	2.0	3.7	1.3	-.8	.02
Max	5.8	4.5	5.2	6.0	5.0	6.6	2.7	5.0	.16
Hr. of Max	17	15	15	17	15	15	20	14	10
Min	.6	.1	.3	.8	.5	1.4	-1.4	-19.3	-.15
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/6/2015

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	-.12	3.2	8.0	10.1	3.4	6.6	9.1	3.4
01:00	.01	1.4	3.0	7.1	1.8	4.3	6.4	3.3
02:00	.05	2.3	2.1	6.0	1.7	3.7	7.3	3.9
03:00	.05	1.1	2.3	6.4	1.7	4.1	9.1	4.2
04:00	.01	1.1	2.7	4.4	1.7	4.0	9.2	5.1
05:00	-.02	1.6	4.6	4.1	2.1	3.5	6.9	2.7
06:00	.03	1.1	2.7	4.6	2.0	4.2	7.3	3.8
07:00	-.01	1.4	2.3	2.7	1.7	3.2	6.9	4.6
08:00	-.16	2.1	3.0	5.0	2.8	5.4	20.6	8.5
09:00	-.13	3.9	4.1	4.4	4.6	4.8	27.2	27.9
10:00	-.70	4.4	5.0	4.1	5.7	5.1	32.6	33.3
11:00	-.24	10.8	8.5	7.3	11.6	9.0	22.7	25.2
12:00	-.44	9.2	9.8	9.8	11.1	10.4	25.4	31.7
13:00	-.04	11.0	11.0	11.9	12.6	12.6	23.7	23.6
14:00	.51	12.1	11.9	12.6	12.1	13.7	21.3	23.3
15:00	.01	19.2	15.1	17.2	12.0	14.0	19.8	17.2
16:00	-.02	9.6	11.0	11.0	10.3	11.9	19.0	16.3
17:00	.02	9.8	16.5	14.4	8.9	13.2	13.9	9.8
18:00	.08	6.6	9.4	9.8	5.9	10.5	8.4	4.2
19:00	.19	2.5	4.6	9.2	2.6	6.4	7.4	2.4
20:00	-.02	2.5	2.7	3.2	2.8	3.5	7.8	7.3
21:00	.03	3.9	3.2	6.4	4.6	7.5	9.3	7.5
22:00	.11	1.8	1.4	7.8	2.5	6.7	7.1	4.0
23:00	.18	3.0	4.4	9.2	3.3	7.9	7.8	2.3
Avg	-.03	5.2	6.2	7.9	5.4	7.3	14.0	11.5
Max	.51	19.2	16.5	17.2	12.6	14.0	32.6	33.3
Hr. of Max	14	15	17	15	13	15	10	10
Min	-.70	1.1	1.4	2.7	1.7	3.2	6.4	2.3
Count	24	24	24	24	24	24	24	24
Total								