Date Printed: 08/27/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/26/2014

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	20.1	21.2	21.7	22.4	1.16	1.61	2.30	.44	1.13
01:00	19.8	20.8	21.1	21.6	1.05	1.34	1.82	.29	.77
02:00	19.7	20.5	21.0	22.3	.84	1.35	2.59	.51	1.75
03:00	19.3	20.2	20.5	21.1	.85	1.17	1.81	.32	.96
04:00	19.1	19.9	20.2	20.8	.76	1.02	1.70	.26	.94
05:00	18.6	19.5	19.7	20.2	.91	1.12	1.55	.21	.64
06:00	18.5	19.3	19.5	19.9	.79	.93	1.39	.13	.60
07:00	18.8	19.4	19.6	19.8	.64	.78	.99	.14	.35
08:00	20.7	20.6	20.5	20.4	-.10	-.26	-.31	-.16	-.21
09:00	22.2	21.8	21.6	21.5	-.39	-.61	-.69	-.23	-.30
10:00	24.0	23.3	23.1	23.0	-.62	-.84	-.96	-.22	-.35
11:00	25.1	24.4	24.2	24.1	-.69	-.95	-1.04	-.27	-.35
12:00	26.7	25.8	25.5	25.4	-.94	-1.24	-1.33	-.30	-.39
13:00	27.6	26.7	26.4	26.4	-.95	-1.19	-1.27	-.24	-.32
14:00	28.1	27.3	27.0	26.9	-.83	-1.08	-1.17	-.25	-.34
15:00	28.4	27.7	27.4	27.4	-.61	-.91	-.98	-.30	-.36
16:00	28.8	28.3	28.0	27.9	-.51	-.76	-.86	-.25	-.35
17:00	29.3	28.8	28.5	28.4	-.50	-.76	-.87	-.27	-.37
18:00	28.7	28.6	28.4	28.4	-.14	-.26	-.27	-.12	-.13
19:00	25.7	26.8	27.4	27.6	1.12	1.77	1.99	.65	.87
20:00	23.3	24.4	25.4	25.9	1.17	2.15	2.67	.98	1.51
21:00	21.9	23.4	23.8	24.4	1.54	1.92	2.55	.38	1.02
22:00	20.9	22.1	22.6	23.3	1.25	1.67	2.38	.43	1.13
23:00	19.9	21.0	21.5	22.1	1.13	1.61	2.14	.48	1.01
Avg	23.1	23.4	23.5	23.8	.29	.40	.67	.11	.38
Max	29.3	28.8	28.5	28.4	1.54	2.15	2.67	.98	1.75
Hr. of Max	17	17	17	18	21	20	20	20	02
Min	18.5	19.3	19.5	19.8	-.95	-1.24	-1.33	-.30	-.39
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)

8/26/2014

Interval: 001h

	14_DewPtC_002m	15_DewPtC_015m	18_SoilTempC	19_RH_002m	20_RH_015m	21_AbsHum_002m	22_AbsHum_015m	23_Mix Ratio_002m	24_Mix Ratio_015m
Hour	DEGC	DEGC	DEGC	PERCENT	PERCENT	G/M3	STAB	COUNT	COUNT
00:00	18.5	19.3	27.2	92.6	91.1	15.8	17.6	0.013713	0.014491
01:00	18.4	19.5	26.9	93.8	94.6	15.7	17.8	0.013646	0.014683
02:00	18.4	19.3	26.6	94.6	94.8	15.7	17.5	0.013668	0.014435
03:00	18.1	18.9	26.4	94.9	94.2	15.5	17.1	0.013435	0.014065
04:00	17.9	18.5	26.1	94.6	93.8	15.2	16.8	0.013222	0.013746
05:00	17.4	18.3	25.9	94.8	95.0	14.8	16.7	0.012819	0.013603
06:00	17.4	18.1	25.6	95.3	94.6	14.8	16.4	0.012832	0.013387
07:00	17.6	18.1	25.4	95.0	94.0	15.0	16.4	0.01297	0.013344
08:00	18.2	17.6	25.2	87.4	84.7	15.5	15.9	0.013464	0.012971
09:00	18.1	17.4	25.1	79.3	77.6	15.3	15.6	0.013353	0.012758
10:00	17.7	16.6	25.1	69.6	67.5	14.8	14.9	0.013039	0.012191
11:00	17.6	16.8	25.3	64.6	64.0	14.7	15.0	0.012979	0.01234
12:00	17.8	17.1	25.6	59.5	60.1	14.8	15.2	0.013175	0.012587
13:00	18.2	17.6	26.2	58.1	58.9	15.2	15.6	0.01355	0.012987
14:00	18.2	17.7	26.9	56.6	57.4	15.2	15.7	0.013574	0.013101
15:00	18.5	17.9	27.4	56.8	56.5	15.5	15.9	0.013836	0.013284
16:00	18.6	18.0	27.7	55.7	55.2	15.5	15.9	0.013911	0.013376
17:00	18.0	17.5	28.0	52.3	51.9	15.0	15.5	0.013443	0.012968
18:00	18.8	18.4	28.1	56.7	55.6	15.7	16.3	0.014095	0.013728
19:00	19.8	19.0	28.2	72.2	64.3	16.8	17.0	0.014979	0.01428
20:00	19.8	19.6	28.1	82.9	76.3	16.9	17.7	0.01495	0.014744
21:00	19.4	19.9	27.9	88.0	82.9	16.6	18.1	0.014577	0.015066
22:00	18.9	19.5	27.6	90.4	87.1	16.1	17.7	0.014088	0.01466
23:00	18.2	19.3	27.3	92.0	91.9	15.5	17.5	0.013506	0.014471
Avg	18.3	18.3	26.7	78.2	76.8	15.5	16.5	0.013618	0.013636
Max	19.8	19.9	28.2	95.3	95.0	16.9	18.1	0.014979	0.015066
Hr. of Max	20	21	19	06	05	20	21	19	21
Min	17.4	16.6	25.1	52.3	51.9	14.7	14.9	0.012819	0.012191
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)

8/26/2014

Interval: 001h

	27_VaporPr_002m	28_VaporPr_015m	34_Precip_In	36_BarPres_In	37_BarPres_Mb	38_SolarRad_Wm2	39_SolarRad_Lang	40_WDir_015m	41_WDir_035m
Hour	KPa	KPa	INCHES	INHG	KPa	W/M2	Langleys	DEG	DEG
00:00	21.3	22.5	.00	29.18	988.1	-1.9	.00	348.1	57.6
01:00	21.2	22.8	.00	29.18	988.3	-2.7	.00	336.6	346.4
02:00	21.2	22.4	.00	29.18	988.1	-3.0	.00	47.8	44.9
03:00	20.9	21.8	.00	29.17	987.9	-2.5	.00	44.3	58.3
04:00	20.6	21.4	.00	29.17	987.9	-1.2	.00	39.4	63.2
05:00	20.0	21.1	.00	29.18	988.2	-1.6	.00	24.3	53.5
06:00	20.0	20.8	.00	29.19	988.6	-1.1	.00	60.8	60.9
07:00	20.2	20.8	.00	29.22	989.4	43.2	.06	59.9	63.9
08:00	21.0	20.2	.00	29.24	990.3	225.7	.32	90.6	68.2
09:00	20.8	19.9	.00	29.26	990.8	389.1	.56	89.2	65.0
10:00	20.3	19.0	.00	29.26	990.8	569.3	.82	154.1	144.5
11:00	20.3	19.3	.00	29.27	991.1	656.5	.94	212.7	208.8
12:00	20.5	19.6	.00	29.25	990.5	840.7	1.21	217.1	211.9
13:00	21.1	20.2	.00	29.23	989.8	777.4	1.11	204.1	232.9
14:00	21.1	20.4	.00	29.21	989.1	689.4	.99	217.9	222.7
15:00	21.5	20.7	.00	29.18	988.3	610.6	.88	147.2	131.1
16:00	21.6	20.8	.00	29.16	987.5	512.0	.73	134.8	121.6
17:00	20.9	20.2	.00	29.15	987.2	456.0	.65	94.7	79.8
18:00	21.9	21.3	.00	29.15	987.1	241.6	.35	47.6	44.3
19:00	23.2	22.2	.00	29.15	987.1	59.9	.09	9.7	37.4
20:00	23.2	22.9	.00	29.16	987.6	.2	.00	334.8	51.4
21:00	22.6	23.4	.00	29.18	988.2	-1.3	.00	39.5	61.8
22:00	21.9	22.8	.00	29.19	988.4	-1.6	.00	357.2	70.2
23:00	21.0	22.5	.00	29.18	988.1	-3.0	.00	3.0	54.5
Avg	21.2	21.2	.00	29.20	988.7	252.2	.36	53.0	72.0
Max	23.2	23.4	.00	29.27	991.1	840.7	1.21	357.2	346.4
Hr. of Max	20	21	23	11	11	12	12	22	01
Min	20.0	19.0	.00	29.15	987.1	-3.0	.00	3.0	37.4
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)

8/26/2014

Interval: 001h

	42_WDir_060m	46_SWDir_015m	47_SWDir_060m	50_Sigma_015m	51_Sigma_035m	52_Sigma_060m	55_RWSpd_015m	56_RWSpd_035m	57_RWSpd_060m
Hour	DEG	DEG	DEG	DEG	DEG	DEG	MPH	MPH	MPH
00:00	95.3	330.9	91.5	49.3	46.0	27.6	.3	1.0	1.7
01:00	104.6	325.1	118.4	45.7	32.0	54.7	.7	.3	.5
02:00	156.8	45.5	158.4	24.5	22.8	62.0	1.1	1.8	.3
03:00	61.4	39.2	56.9	36.9	13.4	11.3	1.0	1.9	2.3
04:00	61.8	22.2	56.8	52.3	24.1	17.4	.4	1.2	1.4
05:00	72.9	16.4	68.5	36.1	12.7	12.4	.9	1.3	2.0
06:00	50.6	47.2	45.6	28.1	15.9	7.2	.9	1.8	2.7
07:00	72.1	54.0	67.6	17.4	7.8	7.9	1.2	2.5	3.2
08:00	68.1	91.9	63.5	27.2	21.8	15.7	1.9	2.6	3.1
09:00	69.1	85.4	65.1	30.4	29.2	22.9	2.2	2.2	2.5
10:00	150.4	151.6	151.2	51.0	41.6	32.4	1.4	1.6	1.6
11:00	222.3	215.0	221.8	51.9	43.7	31.8	1.7	2.1	2.5
12:00	225.9	217.3	226.0	47.9	41.3	34.9	1.9	2.4	2.8
13:00	272.7	202.3	272.4	71.6	71.2	69.4	.9	1.0	1.3
14:00	242.9	223.8	243.5	62.8	53.4	57.3	.9	1.0	1.0
15:00	134.1	146.0	130.2	32.0	37.3	40.7	2.7	2.9	2.8
16:00	126.5	133.4	123.9	46.9	43.0	37.1	1.6	2.0	2.5
17:00	86.9	94.2	80.3	39.9	29.0	24.3	2.5	3.5	4.2
18:00	58.0	45.9	52.8	40.4	27.4	19.2	1.7	3.5	4.6
19:00	67.2	2.5	63.0	17.2	12.5	12.0	1.4	3.1	3.4
20:00	82.9	329.7	78.4	23.2	22.2	15.5	.6	1.3	1.8
21:00	51.0	37.2	46.8	15.1	8.8	9.4	1.3	1.8	2.0
22:00	72.5	351.8	68.3	13.6	9.0	8.1	.8	1.3	1.9
23:00	60.8	2.3	55.7	26.7	10.4	14.8	.6	1.4	1.8
Avg	89.0	43.0	85.0	37.0	28.2	26.9	.0	.0	.0
Max	272.7	351.8	272.4	71.6	71.2	69.4	2.7	3.5	4.6
Hr. of Max	13	22	13	13	13	13	15	18	18
Min	50.6	2.3	45.6	13.6	7.8	7.2	.3	.3	.3
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)

8/26/2014

Interval: 001h

	58_WSpd_015m	59_WSpd_035m	60_WSpd_060m	66_HSSpd_015m	67_HSSpd_060m	70_WElev_015m	71_WElev_060m	72_VSSpd_015m	73_VSSpd_060m
Hour	MPH	MPH	MPH	MPH	MPH	DEG	DEG	MPH	MPH
00:00	.6	1.2	2.0	.8	2.2	1.2	.4	.02	.02
01:00	1.1	1.1	.9	1.4	1.2	.4	-1.2	.00	-.03
02:00	1.2	2.0	.7	1.5	1.1	1.8	-.3	.04	-.01
03:00	1.1	1.9	2.4	1.3	2.6	2.3	.9	.04	.03
04:00	.6	1.3	1.5	.9	1.8	.6	-.5	.00	-.01
05:00	1.0	1.4	2.0	1.2	2.2	3.3	-.2	.05	.01
06:00	1.0	1.9	2.7	1.2	3.0	.4	.6	.00	.06
07:00	1.2	2.6	3.3	1.4	3.5	.6	.0	-.01	.00
08:00	2.1	2.8	3.2	2.5	3.6	2.0	5.3	.04	.26
09:00	2.5	2.6	2.8	2.8	3.2	-1.9	4.3	-.14	.22
10:00	2.1	2.3	2.4	2.7	3.0	4.5	-.3	.21	.14
11:00	2.4	2.7	3.0	2.9	3.6	.1	-6.2	-.10	-.41
12:00	3.0	3.5	3.7	3.6	4.4	2.2	-1.4	.13	-.11
13:00	2.4	2.2	2.5	2.9	3.3	-3.6	-1.1	-.24	-.18
14:00	1.7	1.7	1.7	2.3	2.5	-3.3	-10.8	-.19	-.78
15:00	3.2	3.4	3.5	3.8	4.0	.2	-8.3	.06	-.40
16:00	2.7	3.2	3.5	3.3	3.9	3.8	7.4	.24	.40
17:00	3.1	4.1	4.6	3.6	5.2	2.3	6.6	.03	.42
18:00	2.1	4.0	4.9	2.4	5.3	.9	6.5	-.04	.46
19:00	1.6	3.2	3.5	1.8	3.7	2.1	.7	.01	.07
20:00	.7	1.5	2.0	.9	2.2	.3	.5	.01	.02
21:00	1.3	1.9	2.0	1.5	2.2	-.7	2.9	-.01	.12
22:00	.8	1.4	2.0	1.0	2.2	.2	.1	.00	.02
23:00	.7	1.4	1.9	.9	2.1	1.8	.9	.04	.05
Avg	1.7	2.3	2.6	2.0	3.0	.9	.3	.01	.02
Max	3.2	4.1	4.9	3.8	5.3	4.5	7.4	.24	.46
Hr. of Max	15	17	18	15	18	10	16	16	18
Min	.6	1.1	.7	.8	1.1	-3.6	-10.8	-.24	-.78
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/26/2014

Interval: 001h

	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	82_SPkWsH_015m	83_SPkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	88_WBulbC
Hour	MPH	MPH	MPH	MPH	MPH	DEG	DEG	DEGC
00:00	3.7	2.1	5.0	4.0	3.8	8.5	5.5	19.0
01:00	6.6	3.7	4.8	4.2	4.4	8.5	18.0	18.9
02:00	5.7	6.6	3.7	4.1	4.5	10.3	20.3	18.8
03:00	2.7	3.2	4.4	2.7	4.4	10.0	7.8	18.5
04:00	2.1	2.3	3.2	2.3	3.1	10.3	10.2	18.3
05:00	2.5	2.7	4.4	2.9	3.8	8.6	8.2	17.8
06:00	3.7	5.0	6.6	3.1	5.3	10.3	8.0	17.8
07:00	3.2	4.1	5.7	3.4	5.8	9.9	4.1	18.0
08:00	6.0	6.9	6.4	6.4	7.1	21.0	16.2	19.0
09:00	5.7	5.7	6.0	6.4	6.3	21.9	24.9	19.4
10:00	6.4	6.2	6.0	6.7	6.4	26.7	31.6	19.8
11:00	7.8	8.0	8.5	7.7	9.8	25.9	27.3	20.1
12:00	8.0	9.4	8.9	9.2	9.3	25.0	26.5	20.8
13:00	9.4	10.1	10.1	11.9	11.2	28.0	31.4	21.3
14:00	16.3	12.8	10.1	9.4	7.0	32.1	38.6	21.5
15:00	8.7	8.7	9.2	9.5	10.8	22.1	27.6	21.8
16:00	7.8	9.2	8.7	8.9	9.3	22.5	21.9	22.0
17:00	8.2	10.8	14.4	10.1	11.9	22.1	22.5	21.8
18:00	7.1	9.2	11.9	7.3	10.8	23.8	16.8	22.1
19:00	5.5	7.6	8.0	4.7	8.4	13.0	8.3	21.7
20:00	2.1	4.1	3.4	2.4	3.6	10.9	4.2	21.0
21:00	2.3	3.7	4.4	2.5	3.3	7.0	5.6	20.2
22:00	2.7	5.3	5.5	2.3	3.4	7.6	5.0	19.6
23:00	2.3	2.5	3.7	2.4	3.4	7.2	5.3	18.8
Avg	5.7	6.2	6.8	5.6	6.5	16.4	16.5	19.9
Max	16.3	12.8	14.4	11.9	11.9	32.1	38.6	22.1
Hr. of Max	14	14	17	13	17	14	14	18
Min	2.1	2.1	3.2	2.3	3.1	7.0	4.1	17.8
Count	24	24	24	24	24	24	24	24
Total								