Date Printed: 10/21/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/20/2014

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	6.8	8.0	8.5	9.1	1.19	1.67	2.25	.49	1.06
01:00	6.1	7.4	7.9	8.5	1.29	1.77	2.38	.48	1.09
02:00	5.7	7.1	7.5	8.0	1.34	1.79	2.28	.46	.94
03:00	5.7	6.8	7.1	7.7	1.07	1.40	2.00	.33	.93
04:00	6.1	6.9	7.2	7.6	.83	1.12	1.48	.29	.65
05:00	5.7	6.5	7.0	7.4	.83	1.35	1.71	.52	.88
06:00	5.4	6.0	6.5	6.9	.63	1.08	1.54	.45	.91
07:00	4.9	5.3	6.1	6.7	.46	1.23	1.87	.76	1.41
08:00	5.2	5.3	5.8	6.5	.10	.62	1.28	.52	1.18
09:00	8.0	7.6	7.4	7.5	-.38	-.54	-.51	-.16	-.13
10:00	11.8	11.1	10.9	10.9	-.70	-.87	-.92	-.18	-.22
11:00	15.2	14.4	14.1	14.0	-.76	-1.06	-1.14	-.30	-.38
12:00	17.3	16.3	16.0	15.9	-.96	-1.28	-1.39	-.33	-.44
13:00	18.8	17.9	17.6	17.5	-.89	-1.24	-1.38	-.35	-.48
14:00	18.7	18.3	18.0	17.9	-.48	-.76	-.86	-.28	-.38
15:00	18.9	18.4	18.1	18.0	-.49	-.81	-.91	-.32	-.43
16:00	18.7	18.4	18.1	18.1	-.30	-.55	-.62	-.25	-.31
17:00	17.9	17.8	17.7	17.7	-.07	-.19	-.17	-.12	-.09
18:00	16.6	16.8	17.0	17.2	.25	.47	.69	.21	.43
19:00	14.1	15.3	16.2	16.7	1.12	2.01	2.55	.89	1.43
20:00	11.9	13.9	14.9	15.5	1.99	3.05	3.65	1.06	1.66
21:00	10.7	13.0	14.0	14.7	2.25	3.32	4.01	1.06	1.76
22:00	10.1	12.1	13.0	13.7	2.01	2.88	3.58	.87	1.57
23:00	9.5	11.2	11.8	12.6	1.70	2.24	3.08	.54	1.38
Avg	11.2	11.7	12.0	12.3	.50	.78	1.10	.28	.60
Max	18.9	18.4	18.1	18.1	2.25	3.32	4.01	1.06	1.76
Hr. of Max	15	16	16	16	21	21	21	21	21
Min	4.9	5.3	5.8	6.5	-.96	-1.28	-1.39	-.35	-.48
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/20/2014

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	5.6	6.6		16.5	92.8	91.3	7.1	7.5	0.005794
01:00	5.0	6.4		16.3	93.4	93.9	6.8	7.4	0.005558
02:00	4.7	6.2		16.0	93.7	94.9	6.6	7.3	0.005414
03:00	4.7	5.9		15.8	93.9	94.9	6.6	7.2	0.005427
04:00	5.1	5.9		15.6	94.2	94.2	6.8	7.2	0.005587
05:00	4.7	5.6		15.4	94.4	94.9	6.6	7.0	0.005426
06:00	4.5	5.1		15.2	94.4	94.9	6.5	6.9	0.005335
07:00	3.9	4.5	4.2	15.0	94.3	95.2	6.3	6.6	0.00513
08:00	4.4	4.5	4.6	14.8	95.1	95.7	6.5	6.6	0.005301
09:00	6.4	5.9	6.9	14.6	90.8	90.1	7.4	7.2	0.006125
10:00	7.9	7.2	9.2	14.6	78.1	77.6	8.1	7.7	0.006802
11:00	8.2	7.7	10.5	14.8	64.0	65.1	8.2	8.0	0.006951
12:00	9.1	8.5	11.8	15.2	59.5	61.0	8.7	8.4	0.007394
13:00	8.8	8.5	12.2	15.5	53.2	54.9	8.5	8.3	0.007304
14:00	8.6	8.4	12.0	16.1	52.6	53.3	8.4	8.2	0.007196
15:00	8.7	8.4	12.1	16.5	52.4	52.9	8.4	8.3	0.007248
16:00	9.2	9.0	12.4	16.7	55.2	55.3	8.7	8.6	0.007516
17:00	10.2	9.9	12.8	16.9	62.0	60.7	9.4	9.1	0.008039
18:00	11.7	10.9	13.3	17.0	74.2	69.2	10.3	9.8	0.00884
19:00	11.3	11.0	12.2	17.0	84.0	76.8	10.1	9.9	0.008583
20:00	10.1	11.0	10.7	17.0	90.1	84.0	9.4	9.9	0.00794
21:00	9.4	10.7	9.8	16.8	92.7	87.5	9.0	9.8	0.007548
22:00	8.9	10.6	9.3	16.6	93.5	91.9	8.8	9.7	0.007309
23:00	8.4	10.2	8.7	16.4	93.4	94.4	8.4	9.5	0.007023
Avg	7.5	7.9	10.2	15.9	80.9	80.2	8.0	8.2	0.0067
Max	11.7	11.0	13.3	17.0	95.1	95.7	10.3	9.9	0.00884
Hr. of Max	18	20	18	20	08	08	18	20	18
Min	3.9	4.5	4.2	14.6	52.4	52.9	6.3	6.6	0.00513
Count	24	24	17	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/20/2014

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	0.006182	9.1	9.7	.00	29.19	988.7	-2.3	.00	268.8
01:00	0.006107	8.8	9.6	.00	29.19	988.5	-2.2	.00	300.3
02:00	0.006011	8.5	9.5	.00	29.19	988.4	-2.2	.00	338.7
03:00	0.005901	8.5	9.3	.00	29.18	988.1	-2.3	.00	243.8
04:00	0.005915	8.8	9.3	.00	29.17	987.7	-1.1	.00	26.8
05:00	0.00578	8.5	9.1	.00	29.17	987.9	-1.8	.00	239.6
06:00	0.005605	8.4	8.8	.00	29.18	988.3	-1.9	.00	241.1
07:00	0.005348	8.1	8.4	.00	29.19	988.7	-.5	.00	234.0
08:00	0.005367	8.4	8.5	.00	29.20	989.0	58.7	.08	218.0
09:00	0.005911	9.6	9.3	.00	29.21	989.3	305.2	.44	149.0
10:00	0.006456	10.7	10.2	.00	29.21	989.1	469.0	.67	196.0
11:00	0.006727	10.9	10.6	.00	29.19	988.4	589.2	.84	228.8
12:00	0.007135	11.6	11.2	.00	29.16	987.6	616.8	.88	219.0
13:00	0.007134	11.4	11.2	.00	29.13	986.5	593.5	.85	225.8
14:00	0.007073	11.3	11.1	.00	29.11	985.7	284.3	.41	231.2
15:00	0.007091	11.3	11.1	.00	29.08	984.9	337.4	.48	222.3
16:00	0.007391	11.8	11.6	.00	29.07	984.6	193.9	.28	224.2
17:00	0.007835	12.6	12.2	.00	29.07	984.3	75.3	.11	249.1
18:00	0.008387	13.8	13.1	.00	29.07	984.4	37.0	.05	268.1
19:00	0.008427	13.4	13.2	.00	29.07	984.4	-1.8	.00	276.4
20:00	0.00843	12.4	13.2	.00	29.08	984.9	-2.5	.00	250.4
21:00	0.008269	11.8	12.9	.00	29.09	985.3	-1.9	.00	260.9
22:00	0.008206	11.4	12.8	.00	29.10	985.5	-2.4	.00	258.4
23:00	0.007954	11.0	12.4	.00	29.11	985.7	-2.5	.00	353.5
Avg	0.00686	10.5	10.8	.00	29.14	986.9	147.3	.21	247.0
Max	0.00843	13.8	13.2	.00	29.21	989.3	616.8	.88	353.5
Hr. of Max	20	18	20	23	10	09	12	12	23
Min	0.005348	8.1	8.4	.00	29.07	984.3	-2.5	.00	26.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/20/2014

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	335.9	84.5	272.8	77.5	28.1	53.9	27.3	.7	.2
01:00	278.1	97.5	295.3	291.7	36.1	33.0	46.0	.3	.4
02:00	190.7	131.3	338.3	125.0	61.1	39.5	37.3	.1	.2
03:00	56.2	39.9	271.4	34.7	36.1	17.5	19.9	.2	.7
04:00	48.7	54.9	27.6	50.8	39.9	26.4	16.9	.6	1.8
05:00	276.4	31.7	248.8	19.3	51.0	71.2	63.8	.8	.4
06:00	238.7	244.5	252.9	246.2	9.9	8.9	16.9	1.9	2.3
07:00	239.0	243.2	246.2	245.3	13.4	7.4	10.0	1.5	2.6
08:00	222.4	243.6	238.4	250.1	27.1	41.7	42.9	.7	1.7
09:00	133.5	130.6	170.1	128.9	32.5	36.1	30.6	.4	.4
10:00	202.7	204.6	210.1	205.9	30.3	31.0	29.2	1.7	1.7
11:00	232.8	230.3	241.4	233.1	26.3	22.0	17.3	3.9	5.0
12:00	228.7	227.3	230.4	229.8	31.4	25.8	20.7	4.5	6.1
13:00	233.9	231.1	238.4	233.8	26.8	22.5	18.9	6.0	8.0
14:00	236.9	233.2	242.8	235.8	28.1	18.9	14.4	5.5	7.8
15:00	227.7	224.4	234.5	227.1	23.2	18.7	13.8	5.2	7.2
16:00	228.9	224.7	235.7	227.7	22.8	17.8	12.9	4.3	6.0
17:00	246.9	239.0	258.8	241.2	21.9	12.9	8.8	2.2	4.0
18:00	249.1	249.5	274.0	251.6	19.1	9.7	6.8	.7	2.3
19:00	236.5	223.5	282.1	226.5	12.4	7.6	4.4	1.2	2.9
20:00	239.1	236.4	258.9	238.5	11.2	5.9	4.7	1.8	3.2
21:00	242.8	244.8	267.8	246.8	21.0	5.7	5.5	1.7	4.6
22:00	233.0	238.9	266.1	240.5	34.0	18.4	7.2	.8	1.9
23:00	69.1	234.6	308.4	236.6	33.9	56.5	8.8	.1	.0
Avg	235.0	221.0	257.0	234.0	28.2	25.4	20.2	.0	.0
Max	335.9	249.5	338.3	291.7	61.1	71.2	63.8	6.0	8.0
Hr. of Max	00	18	02	01	02	05	05	13	13
Min	48.7	31.7	27.6	19.3	9.9	5.7	4.4	.1	.0
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)

10/20/2014

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	.6	.9	.4	.7	1.3	1.1	.7	1.4	.01
01:00	.1	.4	.6	.3	.8	.7	2.5	.2	.04
02:00	.1	.3	.3	.2	.8	.7	2.3	-1.0	.03
03:00	.9	.3	.7	1.0	.8	1.5	1.3	.7	.02
04:00	2.7	1.2	2.3	2.9	1.7	3.3	.7	.4	-.03
05:00	.5	1.0	.9	.9	1.5	1.4	.8	.4	.00
06:00	1.7	1.9	2.3	1.7	2.5	2.3	-.4	1.5	-.04
07:00	3.1	1.5	2.6	3.2	2.1	3.7	-1.2	.6	-.05
08:00	.5	.9	1.7	.6	1.5	1.2	1.7	2.4	.02
09:00	.3	.4	.4	.4	1.0	.9	-2.3	-6.8	.00
10:00	1.7	1.9	1.9	1.9	2.5	2.5	-2.4	.5	-.13
11:00	5.6	4.3	5.3	5.8	5.0	6.5	.0	-3.3	-.18
12:00	7.2	5.1	6.6	7.6	6.0	8.4	.8	-3.2	-.12
13:00	9.2	6.8	8.7	9.8	7.5	10.6	-.8	-1.5	-.30
14:00	9.1	6.1	8.3	9.5	6.8	10.3	-.4	-.3	-.34
15:00	8.9	5.6	7.5	9.2	6.5	9.9	1.2	.0	-.16
16:00	7.7	4.6	6.3	7.9	5.3	8.6	.3	-.5	-.13
17:00	5.3	2.4	4.2	5.5	2.9	5.9	-.7	.9	-.14
18:00	3.8	.7	2.5	4.0	1.1	4.3	.4	1.7	-.01
19:00	4.8	1.3	3.1	4.9	1.6	5.3	-1.0	.6	-.04
20:00	4.8	1.9	3.2	4.9	2.4	5.3	-1.8	1.2	-.08
21:00	6.2	1.8	4.6	6.2	2.3	6.7	-.5	2.5	-.03
22:00	3.3	1.0	2.0	3.4	1.5	3.8	.8	1.9	-.01
23:00	2.4	.2	.1	2.4	.6	2.8	2.4	.4	.03
Avg	.0	2.2	3.2	4.0	2.8	4.5	.2	.0	-.07
Max	9.2	6.8	8.7	9.8	7.5	10.6	2.5	2.5	.04
Hr. of Max	13	13	13	13	13	13	01	21	01
Min	.1	.2	.1	.2	.6	.7	-2.4	-6.8	-.34
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/20/2014

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	.03	2.5	1.6	5.7			8.9	7.1
01:00	.01	1.6	2.5	1.6			7.2	7.0
02:00	-.01	1.6	2.1	1.4			7.3	7.2
03:00	.01	1.8	3.7	2.5			6.4	3.8
04:00	.02	4.6	4.8	5.0			9.4	4.5
05:00	.02	6.9	9.6	4.1			10.7	10.6
06:00	.06	3.7	4.6	3.9			5.3	5.9
07:00	.03	3.9	6.0	5.5	3.3	5.9	5.2	3.4
08:00	.05	3.7	6.6	2.7	3.8	2.5	12.8	7.0
09:00	-.12	2.1	2.5	2.5	3.4	3.3	28.4	20.1
10:00	-.08	6.2	7.8	6.4	6.8	7.8	25.2	26.6
11:00	-.49	9.8	11.2	12.1	11.3	13.5	19.7	15.6
12:00	-.49	13.3	17.2	15.1	15.7	16.5	18.4	14.1
13:00	-.44	16.3	18.3	18.5	16.5	19.8	16.4	12.4
14:00	-.22	16.0	25.2	25.0	16.3	19.2	17.9	11.6
15:00	-.17	13.1	15.6	20.2	16.1	18.2	17.7	11.5
16:00	-.16	13.1	16.3	18.8	14.1	15.0	15.9	9.0
17:00	.06	8.9	10.3	10.8	10.5	11.2	14.2	6.2
18:00	.12	3.0	6.6	9.8	2.7	6.7	9.9	4.1
19:00	.05	2.7	6.2	8.5	2.8	6.7	6.3	1.6
20:00	.11	3.9	6.0	7.8	4.8	8.1	4.3	2.4
21:00	.30	4.4	7.1	13.7	5.0	9.2	6.3	2.0
22:00	.13	2.7	5.0	12.1	3.4	7.6	8.5	3.4
23:00	.02	2.1	1.1	4.8	2.6	5.2	8.2	3.2
Avg	-.05	6.2	8.2	9.1	8.2	10.4	12.1	8.3
Max	.30	16.3	25.2	25.0	16.5	19.8	28.4	26.6
Hr. of Max	21	13	14	14	13	13	09	10
Min	-.49	1.6	1.1	1.4	2.6	2.5	4.3	1.6
Count	24	24	24	24	17	17	24	24
Total								