Date Printed: 10/30/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/29/2014

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	18.5	18.7	18.6	18.7	.15	.10	.21	-.06	.05
01:00	18.3	18.4	18.3	18.4	.17	.09	.15	-.08	-.01
02:00	16.5	16.5	16.3	16.2	-.06	-.22	-.29	-.16	-.23
03:00	14.0	13.9	13.7	13.7	-.07	-.22	-.26	-.14	-.19
04:00	13.2	13.2	13.0	13.0	-.07	-.22	-.27	-.16	-.20
05:00	12.8	12.8	12.6	12.6	-.05	-.19	-.22	-.14	-.17
06:00	10.9	11.0	11.1	11.1	.06	.10	.14	.05	.08
07:00	10.2	10.3	10.2	10.2	.05	-.01	-.01	-.06	-.06
08:00	9.9	9.9	9.7	9.7	-.09	-.20	-.20	-.10	-.10
09:00	10.3	10.1	10.0	10.0	-.15	-.27	-.30	-.13	-.15
10:00	10.6	10.5	10.3	10.3	-.16	-.30	-.33	-.14	-.17
11:00	11.4	11.1	10.9	10.9	-.25	-.44	-.50	-.19	-.26
12:00	12.3	12.0	11.8	11.7	-.27	-.49	-.60	-.22	-.33
13:00	13.5	13.1	12.8	12.7	-.46	-.73	-.85	-.27	-.39
14:00	14.9	14.4	14.1	13.9	-.50	-.79	-.92	-.30	-.42
15:00	16.4	15.7	15.4	15.2	-.69	-.96	-1.17	-.27	-.47
16:00	16.9	16.3	16.0	15.9	-.61	-.90	-1.00	-.29	-.39
17:00	16.6	16.5	16.2	16.1	-.17	-.44	-.57	-.26	-.40
18:00	13.5	14.8	14.9	14.9	1.37	1.44	1.43	.08	.06
19:00	10.6	12.3	13.1	13.8	1.71	2.52	3.19	.81	1.49
20:00	9.0	10.8	11.3	12.1	1.74	2.23	3.04	.49	1.30
21:00	7.9	9.6	10.0	10.8	1.69	2.09	2.87	.39	1.18
22:00	7.4	8.8	9.1	9.8	1.40	1.72	2.41	.32	1.01
23:00	6.5	8.1	8.6	9.3	1.61	2.02	2.78	.42	1.17
Avg	12.6	12.9	12.8	13.0	.26	.25	.36	-.02	.10
Max	18.5	18.7	18.6	18.7	1.74	2.52	3.19	.81	1.49
Hr. of Max	00	00	00	00	20	19	19	19	19
Min	6.5	8.1	8.6	9.3	-.69	-.96	-1.17	-.30	-.47
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/29/2014

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	14.0	14.1	15.5	18.1	76.3	76.0	11.9	12.0	0.010284
01:00	14.3	14.4	15.6	18.0	79.1	78.8	12.2	12.2	0.01048
02:00	13.7	13.8	14.7	18.0	85.3	85.9	11.8	11.8	0.010113
03:00	12.7	12.7	13.1	18.0	93.5	94.1	11.1	11.1	0.00941
04:00	11.9	11.9	12.4	17.8	93.0	93.3	10.6	10.6	0.008932
05:00	11.7	11.7	12.1	17.5	94.2	94.6	10.4	10.4	0.008795
06:00	9.0	8.8	9.7	17.2	89.1	87.4	8.8	8.7	0.00735
07:00	8.7	8.6	9.2	17.0	91.1	90.1	8.6	8.5	0.007164
08:00	8.6	8.5	9.1	16.8	92.5	92.1	8.6	8.5	0.007125
09:00	8.9	8.7	9.3	16.6	92.2	91.8	8.7	8.6	0.00725
10:00	9.0	8.7		16.4	90.7	90.0	8.8	8.6	0.00731
11:00	9.0	8.7	9.8	16.4	86.4	85.9	8.8	8.6	0.00732
12:00	8.6	8.1	9.8	16.3	79.1	78.2	8.5	8.3	0.00711
13:00	8.5	7.8	10.2	16.4	72.5	71.2	8.4	8.0	0.007074
14:00	7.3	6.8	9.8	16.6	61.7	61.4	7.8	7.5	0.006571
15:00	5.8	5.0	9.4	16.8	50.4	49.9	7.0	6.6	0.005937
16:00	5.4	4.8	9.2	17.0	47.3	47.4	6.8	6.5	0.00575
17:00	5.9	5.0	9.5	17.1	49.9	47.5	7.0	6.6	0.005952
18:00	8.4	7.2	10.1	17.1	73.1	61.4	8.4	7.7	0.007076
19:00	8.5	8.0	9.2	17.1	87.7	76.2	8.5	8.2	0.007061
20:00	7.6	7.9	8.1	17.0	91.8	83.7	8.0	8.2	0.006653
21:00	6.7	7.9	7.1	16.7	93.2	90.2	7.6	8.2	0.006252
22:00	6.3	7.5	6.7	16.5	93.8	92.6	7.4	8.0	0.006092
23:00	5.5	7.1	5.9	16.2	94.2	93.8	7.0	7.8	0.005759
Avg	9.0	8.9	10.2	17.0	81.6	79.7	8.9	8.8	0.007451
Max	14.3	14.4	15.6	18.1	94.2	94.6	12.2	12.2	0.01048
Hr. of Max	01	01	01	00	23	05	01	01	01
Min	5.4	4.8	5.9	16.2	47.3	47.4	6.8	6.5	0.00575
Count	24	24	23	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/29/2014

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	0.010343	16.0	16.1	.00	29.13	986.5	-1.8	.00	227.5
01:00	0.010552	16.3	16.5	.00	29.13	986.3	-1.0	.00	240.1
02:00	0.010144	15.8	15.8	.17	29.13	986.6	-1.2	.00	256.6
03:00	0.009433	14.7	14.7	.13	29.14	986.9	-2.6	.00	262.4
04:00	0.00892	14.0	14.0	.08	29.15	987.0	-2.5	.00	282.0
05:00	0.008805	13.8	13.8	.20	29.17	987.9	-2.5	.00	9.2
06:00	0.007236	11.5	11.4	.06	29.19	988.6	-1.9	.00	23.4
07:00	0.007112	11.3	11.2	.05	29.19	988.6	-2.4	.00	77.4
08:00	0.007053	11.2	11.1	.01	29.21	989.2	7.1	.01	44.0
09:00	0.007146	11.4	11.2	.00	29.21	989.4	41.3	.06	33.5
10:00	0.007179	11.5	11.3	.00	29.22	989.4	67.4	.10	21.6
11:00	0.00716	11.5	11.3	.00	29.22	989.6	130.5	.19	356.8
12:00	0.006908	11.2	10.9	.00	29.22	989.6	237.1	.34	112.1
13:00	0.006743	11.1	10.6	.00	29.20	989.0	408.4	.59	151.5
14:00	0.006324	10.3	9.9	.00	29.19	988.4	576.4	.83	156.2
15:00	0.005611	9.3	8.8	.00	29.16	987.5	569.4	.82	148.9
16:00	0.005538	9.0	8.7	.00	29.15	987.2	401.7	.58	101.0
17:00	0.005608	9.4	8.8	.00	29.14	987.0	214.0	.31	135.0
18:00	0.006523	11.1	10.2	.00	29.15	987.2	28.0	.04	210.1
19:00	0.006859	11.1	10.8	.00	29.17	987.8	-2.5	.00	302.8
20:00	0.006812	10.5	10.7	.00	29.18	988.2	-2.7	.00	352.5
21:00	0.006786	9.8	10.7	.00	29.19	988.5	-2.7	.00	5.7
22:00	0.006614	9.6	10.4	.00	29.20	988.8	-3.2	.00	291.1
23:00	0.006402	9.1	10.1	.00	29.19	988.7	-2.0	.00	302.9
Avg	0.007409	11.7	11.6	.03	29.18	988.1	110.5	.16	348.0
Max	0.010552	16.3	16.5	.20	29.22	989.6	576.4	.83	356.8
Hr. of Max	01	01	01	05	12	12	14	14	11
Min	0.005538	9.0	8.7	.00	29.13	986.3	-3.2	.00	5.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/29/2014

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	227.7	219.3	231.4	221.6	18.4	11.9	7.8	2.6	4.9
01:00	241.0	233.4	245.5	235.3	17.7	11.3	9.3	2.6	4.6
02:00	271.7	276.0	261.2	276.7	22.6	19.5	16.8	4.7	6.2
03:00	277.6	280.8	267.2	281.9	19.3	16.6	12.6	3.5	5.2
04:00	306.3	312.5	283.2	310.4	68.3	58.4	54.3	1.4	2.0
05:00	359.9	359.3	4.7	355.0	43.2	29.8	21.7	1.0	2.3
06:00	25.8	26.0	23.9	21.1	35.5	17.7	14.7	2.9	6.5
07:00	86.7	82.0	79.9	78.3	33.8	23.5	19.2	2.9	4.6
08:00	50.4	55.9	46.3	52.5	31.4	18.5	12.9	1.9	4.0
09:00	36.5	39.3	32.4	35.0	34.6	16.1	13.1	1.7	4.1
10:00	9.6	12.1	12.1	6.9	44.9	30.5	27.8	1.1	2.8
11:00	24.7	30.2	353.9	30.0	31.2	37.5	31.1	1.4	2.0
12:00	74.7	54.5	130.8	53.2	56.0	63.8	67.9	.1	.4
13:00	142.9	140.5	158.5	138.8	41.1	38.5	44.0	.9	1.1
14:00	161.9	148.7	159.5	143.8	60.6	59.4	55.6	.8	1.0
15:00	145.1	121.0	147.8	123.7	64.0	65.0	61.6	1.2	1.3
16:00	102.4	102.5	103.1	99.8	25.9	23.1	24.2	3.2	3.5
17:00	141.9	140.2	140.4	139.2	32.8	20.2	18.3	1.4	2.0
18:00	203.4	193.0	214.1	194.9	40.9	36.1	30.6	1.5	2.7
19:00	255.4	45.1	298.4	51.9	61.1	78.7	56.8	.5	.1
20:00	60.0	31.7	.9	37.5	35.7	15.5	27.5	.4	1.0
21:00	65.5	61.8	4.0	58.8	21.1	20.6	9.2	.5	.9
22:00	144.7	58.8	287.7	55.9	53.9	57.3	39.6	.4	.2
23:00	52.0	59.7	298.1	43.6	38.4	53.0	52.1	.5	.4
Avg	76.0	59.0	332.0	55.0	38.9	34.3	30.4	.0	.0
Max	359.9	359.3	353.9	355.0	68.3	78.7	67.9	4.7	6.5
Hr. of Max	05	05	11	05	04	19	12	02	06
Min	9.6	12.1	.9	6.9	17.7	11.3	7.8	.1	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/29/2014

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	2.7	5.0	6.9	3.2	7.5	-.3	.0	-.11
01:00	6.4	2.8	4.8	6.7	3.2	7.2	-2.0	.3	-.18
02:00	7.5	5.0	6.6	7.8	5.7	8.2	-.4	.4	-.26
03:00	6.6	3.8	5.5	6.9	4.3	7.1	-.3	1.4	-.15
04:00	2.2	2.4	3.5	3.9	2.9	4.3	-1.4	-.3	-.12
05:00	3.0	2.4	4.1	4.9	2.9	5.4	-1.5	-.2	-.18
06:00	8.1	3.4	6.8	8.4	4.0	9.0	-2.8	-.8	-.39
07:00	6.0	3.3	5.3	6.7	4.0	7.2	2.4	3.5	.13
08:00	5.1	2.1	4.2	5.2	2.4	5.7	-1.9	.0	-.21
09:00	5.2	2.1	4.3	5.4	2.6	5.9	-.4	-1.7	-.18
10:00	3.7	1.5	3.1	4.0	2.0	4.5	.6	-2.3	-.07
11:00	2.2	1.7	2.2	2.4	2.1	3.0	-2.8	1.9	-.22
12:00	.8	1.0	1.2	1.2	1.6	1.9	2.9	-3.9	.06
13:00	1.3	1.8	1.8	1.8	2.5	2.5	3.4	-.4	.14
14:00	1.0	1.3	1.5	1.3	2.2	2.2	-1.4	-8.1	-.06
15:00	1.4	2.0	1.9	1.9	2.7	2.9	4.2	-11.3	.23
16:00	3.5	3.4	3.7	3.7	4.0	4.3	.0	1.7	-.05
17:00	2.1	1.6	2.2	2.3	2.3	2.9	8.6	-.9	.30
18:00	3.7	2.2	3.3	4.1	2.7	4.6	.1	2.9	.00
19:00	.3	.9	1.0	1.2	1.4	1.7	1.2	.0	.02
20:00	.7	.5	1.0	.8	.8	1.3	1.9	.1	.03
21:00	1.5	.6	.9	1.5	1.0	2.0	1.7	-.9	.02
22:00	.7	.7	.3	.8	1.2	1.3	1.4	-.4	.02
23:00	.3	1.0	.5	.3	1.4	.8	2.0	-.8	.05
Avg	.0	2.1	3.1	3.8	2.6	4.3	.6	-.8	-.05
Max	8.1	5.0	6.8	8.4	5.7	9.0	8.6	3.5	.30
Hr. of Max	06	02	06	06	02	06	17	07	17
Min	.3	.5	.3	.3	.8	.8	-2.8	-11.3	-.39
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/29/2014

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	6.6	10.3	14.4	7.2	11.8	12.7	4.8
01:00	.01	8.9	10.8	12.6	9.2	13.2	11.6	5.5
02:00	-.10	14.2	13.5	18.8	15.9	17.7	15.9	11.3
03:00	.03	9.4	12.6	14.4	9.5	13.6	15.8	9.1
04:00	-.08	13.5	12.6	15.1	9.4	9.5	19.8	13.0
05:00	-.06	9.8	17.2	17.6	9.9	14.6	18.1	12.2
06:00	-.25	11.9	16.0	20.4	11.7	18.5	20.0	9.4
07:00	.36	10.1	13.1	16.5	11.0	14.5	17.2	10.3
08:00	-.10	9.2	8.9	10.3	6.7	10.8	21.8	9.7
09:00	-.23	7.8	10.3	21.1	7.7	12.0	21.9	8.4
10:00	-.25	5.5	12.8	11.9			22.7	13.9
11:00	-.10	5.5	6.6	7.1	6.4	8.0	21.6	21.1
12:00	-.24	5.5	8.0	10.5	5.5	6.9	29.4	31.9
13:00	-.08	8.5	8.0	7.6	8.0	8.3	25.3	30.3
14:00	-.56	5.0	5.7	5.5	6.5	5.4	32.9	38.6
15:00	-.67	6.4	6.2	6.4	7.6	7.4	31.8	34.8
16:00	.09	9.2	10.8	12.1	8.7	8.8	17.7	23.3
17:00	-.06	4.8	6.0	5.7	5.2	6.6	22.5	18.1
18:00	.18	6.6	7.6	9.2	7.0	10.0	12.7	11.1
19:00	.03	3.9	5.3	5.7	4.8	6.7	18.2	20.9
20:00	.01	2.5	2.5	3.0	2.4	3.6	10.7	15.0
21:00	-.03	2.5	2.5	4.4	3.0	3.6	7.8	4.7
22:00	-.01	2.7	1.6	3.2	3.2	2.8	7.5	11.1
23:00	-.01	3.9	2.1	1.4	3.1	1.8	8.3	14.3
Avg	-.09	7.2	8.8	10.6	7.4	9.4	18.5	16.0
Max	.36	14.2	17.2	21.1	15.9	18.5	32.9	38.6
Hr. of Max	07	02	05	09	02	06	14	14
Min	-.67	2.5	1.6	1.4	2.4	1.8	7.5	4.7
Count	24	24	24	24	23	23	24	24
Total								