Date Printed: 08/30/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/29/2014

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	22.5	23.4	23.7	24.1	.91	1.12	1.51	.21	.60
01:00	22.2	23.2	23.3	23.6	.99	1.09	1.38	.10	.39
02:00	21.8	22.7	22.9	23.3	.95	1.12	1.51	.17	.56
03:00	21.3	22.1	22.4	22.7	.88	1.13	1.45	.25	.56
04:00	21.2	22.2	22.5	22.8	1.05	1.33	1.66	.29	.61
05:00	21.1	22.0	22.3	22.8	.89	1.19	1.63	.30	.74
06:00	20.6	21.6	21.9	22.2	1.00	1.26	1.52	.26	.52
07:00	20.6	21.4	21.6	21.9	.77	.97	1.28	.20	.51
08:00	22.8	22.6	22.5	22.6	-.19	-.29	-.25	-.11	-.06
09:00	25.2	24.7	24.4	24.3	-.54	-.80	-.94	-.26	-.40
10:00	27.0	26.2	25.9	25.8	-.73	-1.06	-1.17	-.32	-.43
11:00	28.5	27.6	27.4	27.3	-.88	-1.13	-1.21	-.25	-.33
12:00	29.7	28.8	28.6	28.5	-.83	-1.11	-1.21	-.28	-.38
13:00	31.2	30.1	29.8	29.7	-1.12	-1.39	-1.47	-.27	-.35
14:00	31.6	30.7	30.4	30.4	-.92	-1.17	-1.23	-.25	-.31
15:00	32.7	31.6	31.3	31.2	-1.09	-1.41	-1.46	-.32	-.37
16:00	32.9	31.9	31.6	31.5	-.94	-1.24	-1.40	-.30	-.47
17:00	32.5	31.8	31.5	31.4	-.63	-.92	-1.03	-.29	-.40
18:00	30.3	30.4	30.6	30.8	.14	.35	.49	.21	.35
19:00	26.3	27.6	29.1	29.9	1.26	2.79	3.52	1.53	2.25
20:00	23.8	25.8	26.6	27.5	2.05	2.86	3.78	.81	1.73
21:00	22.7	24.6	24.8	25.5	1.89	2.10	2.82	.20	.92
22:00	22.1	23.6	23.8	24.3	1.46	1.66	2.19	.20	.73
23:00	21.7	23.0	23.2	23.9	1.31	1.51	2.21	.19	.89
Avg	25.5	25.8	25.9	26.2	.32	.42	.65	.09	.33
Max	32.9	31.9	31.6	31.5	2.05	2.86	3.78	1.53	2.25
Hr. of Max	16	16	16	16	20	20	20	19	19
Min	20.6	21.4	21.6	21.9	-1.12	-1.41	-1.47	-.32	-.47
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/29/2014

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	20.7	21.2	21.3	28.1	91.5	89.7	17.9	18.5	0.015805
01:00	20.5	21.2	21.1	27.8	92.6	91.1	17.8	18.5	0.015687
02:00	20.2	21.1	20.7	27.5	92.9	93.2	17.4	18.4	0.015302
03:00	19.7	21.0	20.2	27.3	93.1	95.5	16.9	18.3	0.014869
04:00	19.7	21.1	20.2	27.0	93.4	95.5	16.9	18.4	0.014846
05:00	19.8	20.8	20.2	26.8	94.2	95.2	17.0	18.1	0.014935
06:00	19.2	20.6	19.7	26.6	93.8	96.3	16.5	17.9	0.014423
07:00	19.2	20.4	19.7	26.4	93.8	96.8	16.5	17.7	0.014379
08:00	20.5	20.4	21.3	26.2	89.0	89.5	17.7	17.6	0.015614
09:00	21.0	20.5	22.4	26.1	79.8	79.8	18.2	17.7	0.016185
10:00	20.9	20.1	22.9	26.1	71.3	70.9	17.9	17.1	0.016005
11:00	20.9	20.1	23.4	26.4	65.2	65.3	17.8	17.0	0.016025
12:00	20.2	19.8	23.3	26.9	58.4	59.8	17.0	16.7	0.015368
13:00	19.3	18.7	23.2	27.6	51.1	52.4	16.1	15.6	0.014605
14:00	18.6	18.3	23.0	28.3	47.7	49.1	15.5	15.2	0.014011
15:00	16.1	15.7	21.6	28.9	38.2	39.5	13.2	12.9	0.011945
16:00	15.8	15.2	21.5	29.2	37.2	37.7	12.9	12.5	0.011746
17:00	15.6	15.1	21.3	29.5	37.6	37.5	12.8	12.4	0.011623
18:00	18.7	17.6	22.6	29.7	51.9	47.8	15.6	14.6	0.014102
19:00	20.0	18.4	22.1	29.8	70.0	59.1	17.0	15.4	0.015161
20:00	19.3	18.8	20.8	29.7	78.0	67.0	16.4	15.8	0.014504
21:00	19.1	19.6	20.3	29.4	82.2	75.8	16.3	16.7	0.01431
22:00	19.2	19.5	20.2	29.0	85.5	80.1	16.4	16.7	0.014385
23:00	19.4	19.9	20.1	28.7	88.5	84.8	16.6	17.1	0.014525
Avg	19.3	19.4	21.4	27.9	74.0	72.9	16.4	16.5	0.014598
Max	21.0	21.2	23.4	29.8	94.2	96.8	18.2	18.5	0.016185
Hr. of Max	09	01	11	19	05	07	09	01	09
Min	15.6	15.1	19.7	26.1	37.2	37.5	12.8	12.4	0.011623
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/29/2014

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	0.016371	24.4	25.3	.00	29.12	986.3	-1.9	.00	54.9
01:00	0.0164	24.3	25.3	.00	29.12	986.2	-2.0	.00	56.2
02:00	0.016264	23.7	25.1	.00	29.12	986.2	-2.9	.00	358.7
03:00	0.016103	23.0	24.9	.00	29.12	986.1	-1.5	.00	308.4
04:00	0.016195	23.0	25.0	.00	29.12	986.1	-1.5	.00	53.8
05:00	0.015943	23.1	24.6	.00	29.12	986.3	-2.1	.00	25.6
06:00	0.015736	22.4	24.3	.00	29.14	986.8	-3.0	.00	41.5
07:00	0.015545	22.3	24.1	.00	29.16	987.5	27.7	.04	305.7
08:00	0.015511	24.2	24.0	.00	29.17	987.9	211.5	.30	82.2
09:00	0.015668	25.1	24.3	.00	29.17	988.0	427.4	.61	78.1
10:00	0.015255	24.8	23.7	.00	29.18	988.2	627.6	.90	144.1
11:00	0.015233	24.8	23.6	.00	29.18	988.2	768.3	1.10	123.3
12:00	0.014994	23.8	23.3	.00	29.17	987.8	731.6	1.05	217.1
13:00	0.014069	22.6	21.8	.00	29.15	987.3	825.9	1.18	183.7
14:00	0.013693	21.7	21.3	.00	29.15	987.1	740.8	1.06	196.7
15:00	0.011613	18.6	18.1	.00	29.13	986.6	757.1	1.09	237.7
16:00	0.011289	18.3	17.6	.00	29.12	986.1	687.2	.99	231.5
17:00	0.011184	18.1	17.4	.00	29.11	985.9	447.3	.64	233.3
18:00	0.013135	21.9	20.4	.00	29.11	985.9	224.0	.32	284.6
19:00	0.013778	23.5	21.4	.00	29.11	986.0	40.5	.06	318.1
20:00	0.014083	22.5	21.8	.00	29.13	986.4	-1.2	.00	359.6
21:00	0.014792	22.2	22.9	.00	29.14	986.8	-2.6	.00	39.3
22:00	0.01471	22.3	22.8	.00	29.16	987.4	-1.7	.00	26.1
23:00	0.015076	22.5	23.4	.00	29.17	988.0	-2.8	.00	47.1
Avg	0.014693	22.6	22.8	.00	29.14	986.9	270.6	.39	25.0
Max	0.0164	25.1	25.3	.00	29.18	988.2	825.9	1.18	359.6
Hr. of Max	01	09	01	23	11	11	13	13	20
Min	0.011184	18.1	17.4	.00	29.11	985.9	-3.0	.00	25.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/29/2014

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	55.6	66.9	53.9	63.0	19.2	9.7	5.1	1.3	2.7
01:00	47.6	53.2	56.4	48.6	18.2	10.7	4.7	1.1	2.0
02:00	87.3	64.1	349.2	60.7	30.9	22.0	7.8	.4	.9
03:00	124.5	79.5	300.4	80.2	32.3	53.7	13.2	.5	.4
04:00	40.3	53.8	51.1	49.3	27.3	10.9	6.5	1.1	2.0
05:00	68.8	77.7	25.1	73.3	32.3	13.1	10.3	.5	1.4
06:00	41.5	71.6	21.2	67.4	36.0	13.4	8.9	.3	1.0
07:00	55.9	50.0	296.6	44.1	24.5	57.8	15.4	.4	.7
08:00	43.6	56.1	87.3	52.1	29.5	17.6	12.0	.7	1.6
09:00	53.5	55.1	76.3	51.8	35.2	26.8	21.3	2.3	3.0
10:00	111.6	113.8	140.6	109.1	52.6	44.5	32.9	1.5	1.8
11:00	105.9	124.0	122.5	120.8	53.4	51.6	48.8	1.4	1.4
12:00	224.4	242.1	232.1	243.5	71.3	57.1	55.5	.9	1.1
13:00	172.0	180.1	183.7	181.4	47.2	48.9	40.4	2.3	2.3
14:00	187.1	193.5	197.9	194.5	37.0	34.6	36.2	2.2	2.4
15:00	222.7	231.0	234.5	231.2	32.7	30.6	24.5	2.9	4.0
16:00	221.7	227.1	230.7	228.6	31.3	24.8	21.4	4.3	5.8
17:00	223.2	228.9	232.6	229.9	22.5	21.4	16.3	3.4	4.5
18:00	252.9	251.2	278.2	251.9	20.9	11.8	8.1	2.0	4.1
19:00	247.1	248.4	308.7	249.2	15.8	13.7	7.9	.9	1.4
20:00	59.4	78.1	359.0	56.1	12.1	43.4	19.7	.8	1.6
21:00	66.6	65.7	37.8	61.8	12.9	6.5	4.7	1.6	2.4
22:00	73.4	54.6	29.5	50.7	49.2	17.7	3.5	.9	1.8
23:00	69.1	54.1	48.4	50.0	35.5	29.2	4.9	.8	1.4
Avg	91.0	88.0	16.0	79.0	32.5	28.0	17.9	.0	.0
Max	252.9	251.2	359.0	251.9	71.3	57.8	55.5	4.3	5.8
Hr. of Max	18	18	20	18	12	07	12	16	16
Min	40.3	50.0	21.2	44.1	12.1	6.5	3.5	.3	.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/29/2014

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	3.6	1.4	2.8	3.6	1.6	3.8	1.4	.5	.00
01:00	3.4	1.2	2.1	3.4	1.3	3.6	3.9	-.7	.08
02:00	2.8	.9	1.0	2.8	1.0	3.0	2.1	.6	.05
03:00	1.0	1.2	.6	1.0	1.4	1.3	2.1	-.5	.05
04:00	3.1	1.1	2.1	3.1	1.4	3.3	1.4	.0	-.01
05:00	2.6	.8	1.6	2.9	1.1	3.1	1.9	.9	.03
06:00	1.6	.4	1.0	1.7	.8	1.9	3.3	.6	.05
07:00	1.6	.9	.8	1.6	1.2	1.9	-.2	-.9	-.01
08:00	2.5	.9	1.7	2.5	1.3	2.7	.2	2.8	.00
09:00	3.5	2.6	3.3	3.7	3.2	4.2	-.8	8.5	-.11
10:00	2.0	2.1	2.4	2.5	2.7	3.2	2.5	2.5	.01
11:00	1.4	2.6	2.6	2.6	3.2	3.2	-4.5	-7.4	-.21
12:00	1.1	2.3	2.7	2.5	3.0	3.2	-6.0	-15.4	-.37
13:00	2.5	3.1	3.0	3.0	3.5	3.6	.3	-3.6	-.03
14:00	2.5	3.2	3.6	3.8	3.8	4.4	.7	3.4	-.03
15:00	4.8	3.8	4.9	5.5	4.4	6.0	.4	.8	-.13
16:00	6.9	4.9	6.4	7.3	5.5	7.9	-.1	3.0	-.17
17:00	5.8	4.0	5.0	6.2	4.6	6.7	-1.7	1.8	-.30
18:00	5.7	2.2	4.2	5.8	2.5	6.1	.8	1.0	-.12
19:00	2.3	.9	1.4	2.4	1.2	2.5	-.1	2.3	-.01
20:00	1.1	.9	1.7	1.1	1.0	1.4	.4	-.2	-.01
21:00	4.0	1.6	2.4	4.0	1.7	4.2	-.9	1.1	-.03
22:00	3.9	1.0	1.8	3.9	1.1	4.1	1.3	1.2	.03
23:00	3.3	1.2	1.5	3.3	1.4	3.5	1.9	.4	.05
Avg	.0	1.9	2.5	3.3	2.2	3.7	.4	.1	-.05
Max	6.9	4.9	6.4	7.3	5.5	7.9	3.9	8.5	.08
Hr. of Max	16	16	16	16	16	16	01	09	01
Min	1.0	.4	.6	1.0	.8	1.3	-6.0	-15.4	-.37
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/29/2014

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	.01	3.4	5.0	5.7	4.1	5.9	10.6	2.9
01:00	-.04	2.7	4.4	5.5	3.0	5.5	9.9	2.9
02:00	.01	2.3	3.7	10.3	2.5	5.9	8.2	4.2
03:00	.01	2.5	2.3	3.7	2.9	4.0	5.3	8.2
04:00	.00	3.0	4.6	6.9	3.1	5.3	8.5	3.4
05:00	.03	4.6	6.6	10.1	2.8	6.1	10.7	4.3
06:00	.04	2.1	2.7	3.9	2.3	3.8	8.6	5.6
07:00	-.04	2.7	3.9	4.4	2.7	4.6	7.3	7.0
08:00	.14	3.9	5.0	6.2	4.7	5.7	20.6	12.8
09:00	.54	7.1	7.8	7.6	7.4	8.3	22.8	20.9
10:00	.14	9.2	10.8	11.0	7.9	7.8	30.7	32.9
11:00	-.49	7.6	7.3	8.2	8.9	9.6	25.7	33.2
12:00	-.94	7.3	8.7	8.9	8.2	9.9	26.7	30.5
13:00	-.32	7.8	8.9	9.4	7.8	10.4	23.1	29.6
14:00	.33	8.2	8.9	8.9	9.6	10.4	21.1	21.4
15:00	-.12	11.2	12.1	13.7	12.6	14.9	21.9	18.7
16:00	.19	13.3	14.4	15.1	15.6	16.5	18.0	15.3
17:00	.05	12.8	18.3	18.3	9.7	13.9	17.5	13.3
18:00	.07	8.0	13.3	12.4	8.6	10.5	15.9	5.6
19:00	.08	2.1	3.4	8.9	2.4	5.4	10.2	4.2
20:00	.00	2.5	3.4	3.7	2.8	3.8	7.4	4.9
21:00	.09	3.4	6.6	7.1	2.8	5.9	5.1	2.3
22:00	.11	4.1	6.4	10.3	2.5	6.0	7.4	3.6
23:00	.03	3.0	3.0	8.0	3.1	4.7	7.2	4.2
Avg	.00	5.6	7.1	8.7	5.8	7.7	14.6	12.2
Max	.54	13.3	18.3	18.3	15.6	16.5	30.7	33.2
Hr. of Max	09	16	17	17	16	16	10	11
Min	-.94	2.1	2.3	3.7	2.3	3.8	5.1	2.3
Count	24	24	24	24	24	24	24	24
Total								