Date Printed: 08/29/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/28/2014

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	19.2	20.3	20.6	21.6	1.12	1.42	2.40	.30	1.28
01:00	18.9	19.9	20.1	20.7	1.02	1.20	1.82	.19	.80
02:00	18.4	19.3	19.7	20.1	.92	1.25	1.69	.33	.78
03:00	18.3	19.2	19.4	19.9	.96	1.12	1.60	.17	.65
04:00	18.0	18.8	19.1	19.6	.84	1.13	1.58	.29	.74
05:00	17.6	18.6	18.9	19.3	.94	1.28	1.70	.34	.76
06:00	17.5	18.3	18.6	19.2	.85	1.16	1.78	.31	.93
07:00	17.7	18.3	18.5	18.9	.63	.85	1.26	.22	.63
08:00	20.0	19.8	19.7	20.1	-.24	-.34	.02	-.10	.26
09:00	22.7	22.3	22.2	22.1	-.36	-.51	-.63	-.16	-.27
10:00	25.1	24.5	24.3	24.1	-.67	-.85	-.99	-.18	-.33
11:00	27.0	26.2	25.9	25.8	-.88	-1.12	-1.26	-.24	-.38
12:00	28.7	27.8	27.5	27.3	-.91	-1.19	-1.34	-.28	-.43
13:00	30.0	29.0	28.6	28.4	-1.07	-1.44	-1.64	-.37	-.57
14:00	30.9	30.0	29.7	29.6	-.92	-1.27	-1.38	-.34	-.46
15:00	31.5	30.6	30.3	30.2	-.90	-1.22	-1.36	-.31	-.46
16:00	32.0	31.2	31.0	30.8	-.78	-1.05	-1.20	-.27	-.41
17:00	31.9	31.5	31.2	31.1	-.48	-.74	-.83	-.26	-.35
18:00	30.7	30.7	31.0	30.9	.07	.28	.20	.21	.13
19:00	26.8	27.5	29.3	29.9	.66	2.41	3.07	1.75	2.41
20:00	25.1	26.5	27.2	28.2	1.36	2.09	3.08	.72	1.71
21:00	24.3	25.5	26.0	26.6	1.23	1.74	2.39	.52	1.16
22:00	23.5	24.6	25.0	25.5	1.08	1.54	2.05	.46	.97
23:00	22.9	23.8	24.3	25.0	.92	1.35	2.13	.43	1.21
Avg	24.1	24.3	24.5	24.8	.22	.38	.67	.16	.45
Max	32.0	31.5	31.2	31.1	1.36	2.41	3.08	1.75	2.41
Hr. of Max	16	17	17	17	20	19	20	19	19
Min	17.5	18.3	18.5	18.9	-1.07	-1.44	-1.64	-.37	-.57
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/28/2014

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	17.3	18.2	18.0	27.3	90.8	89.6	14.7	16.5	0.012771
01:00	17.3	18.0	17.8	27.0	92.2	91.1	14.7	16.3	0.012704
02:00	16.9	17.9	17.4	26.7	92.9	93.6	14.4	16.3	0.012444
03:00	16.8	18.0	17.3	26.4	93.2	94.3	14.3	16.3	0.012374
04:00	16.6	17.7	17.1	26.1	93.6	95.4	14.1	16.1	0.012192
05:00	16.3	17.6	16.8	25.9	93.8	96.0	13.9	16.0	0.011949
06:00	16.2	17.4	16.6	25.6	94.1	96.2	13.8	15.8	0.011855
07:00	16.3	17.3	16.8	25.4	93.5	95.9	13.9	15.7	0.01194
08:00	17.6	17.1	18.4	25.2	88.0	86.6	14.9	15.5	0.013005
09:00	18.2	17.2	19.7	25.0	77.9	74.4	15.4	15.4	0.01354
10:00	17.9	17.0	20.3	25.0	65.7	64.6	15.0	14.2	0.013249
11:00	18.4	17.4	21.3	25.3	60.9	60.2	15.4	14.5	0.013747
12:00	19.3	18.7	22.4	25.9	58.5	59.5	16.2	15.7	0.014552
13:00	19.5	19.1	23.0	26.6	54.9	57.0	16.3	16.0	0.014763
14:00	19.4	19.2	23.3	27.4	51.9	54.0	16.2	16.1	0.014724
15:00	19.4	18.9	23.4	28.2	50.1	51.3	16.2	15.8	0.014709
16:00	19.7	19.0	23.8	28.6	49.7	49.8	16.5	15.8	0.014986
17:00	18.8	18.1	23.2	28.9	47.1	46.5	15.6	15.0	0.014167
18:00	20.4	19.3	23.8	29.2	56.1	52.4	17.2	16.2	0.015645
19:00	21.1	20.3	23.0	29.3	73.2	67.0	18.2	17.3	0.016359
20:00	21.1	21.3	22.4	29.2	80.5	75.5	18.3	18.4	0.016278
21:00	21.3	21.7	22.3	28.9	86.1	81.7	18.6	18.9	0.016499
22:00	21.0	21.4	21.9	28.6	88.5	84.8	18.3	18.6	0.016193
23:00	20.7	21.3	21.5	28.3	89.8	88.1	18.0	18.6	0.01588
Avg	18.6	18.7	20.5	27.1	76.0	75.2	15.8	16.3	0.014022
Max	21.3	21.7	23.8	29.3	94.1	96.2	18.6	18.9	0.016499
Hr. of Max	21	21	18	19	06	06	21	21	21
Min	16.2	17.0	16.6	25.0	47.1	46.5	13.8	14.2	0.011855
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/28/2014

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	0.013503	19.9	21.0	.00	29.15	987.3	-2.0	.00	22.1
01:00	0.013364	19.8	20.8	.00	29.14	986.8	-3.2	.00	35.1
02:00	0.013274	19.3	20.6	.00	29.13	986.5	-3.5	.00	316.3
03:00	0.013294	19.2	20.6	.00	29.13	986.5	-2.5	.00	36.0
04:00	0.013098	19.0	20.3	.00	29.13	986.6	-2.2	.00	310.2
05:00	0.012969	18.6	20.2	.00	29.14	986.7	-1.4	.00	318.5
06:00	0.012793	18.5	19.9	.00	29.14	986.9	-1.2	.00	281.5
07:00	0.012751	18.6	19.8	.00	29.15	987.3	30.3	.04	347.2
08:00	0.012604	20.2	19.6	.00	29.17	987.7	208.7	.30	104.3
09:00	0.012651	21.0	19.7	.00	29.17	987.8	416.5	.60	169.8
10:00	0.01251	20.6	19.5	.00	29.17	987.8	609.3	.87	221.3
11:00	0.0129	21.4	20.1	.00	29.16	987.6	762.0	1.09	120.7
12:00	0.014026	22.6	21.8	.00	29.15	987.1	867.8	1.24	114.3
13:00	0.014407	22.9	22.3	.00	29.13	986.6	914.5	1.31	73.9
14:00	0.014514	22.8	22.5	.00	29.12	986.0	867.4	1.24	108.4
15:00	0.014285	22.8	22.1	.00	29.10	985.4	813.7	1.17	143.5
16:00	0.014376	23.2	22.2	.00	29.08	984.9	655.4	.94	122.6
17:00	0.013578	21.9	21.0	.00	29.07	984.6	417.0	.60	136.5
18:00	0.014682	24.1	22.7	.00	29.06	984.3	224.8	.32	293.2
19:00	0.015554	25.2	24.0	.00	29.07	984.6	16.1	.02	316.6
20:00	0.016532	25.1	25.5	.00	29.10	985.5	-2.0	.00	327.0
21:00	0.016849	25.5	26.0	.00	29.11	986.0	-2.9	.00	.3
22:00	0.016551	25.0	25.6	.00	29.11	985.9	-1.7	.00	346.2
23:00	0.016464	24.6	25.4	.00	29.12	986.2	-3.0	.00	17.3
Avg	0.014064	21.7	21.8	.00	29.13	986.4	282.4	.41	23.0
Max	0.016849	25.5	26.0	.00	29.17	987.8	914.5	1.31	347.2
Hr. of Max	21	21	21	23	10	10	13	13	07
Min	0.01251	18.5	19.5	.00	29.06	984.3	-3.5	.00	.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/28/2014

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	65.3	63.5	21.1	59.6	19.5	11.9	13.9	.6	1.6
01:00	67.6	62.4	32.5	58.5	39.5	12.5	6.3	.8	1.5
02:00	134.6	83.0	310.7	74.4	28.4	50.8	53.1	.7	.3
03:00	55.2	52.7	32.6	48.2	19.6	13.0	9.7	1.0	1.6
04:00	152.8	81.0	307.7	79.5	45.8	59.0	32.9	.5	.3
05:00	48.1	46.5	311.0	42.0	48.8	42.6	13.9	.4	.8
06:00	101.4	42.0	275.3	37.2	48.4	55.2	17.2	.6	.0
07:00	41.9	39.9	321.2	28.2	33.4	23.5	31.9	.2	.6
08:00	67.8	49.9	114.5	43.6	54.1	29.1	44.2	.3	.4
09:00	175.2	193.7	169.0	192.0	31.4	39.5	38.4	1.0	1.1
10:00	206.9	215.3	223.0	214.3	56.6	44.7	36.1	1.3	1.6
11:00	116.7	145.4	135.8	144.3	58.6	64.2	53.3	.7	.6
12:00	110.2	116.8	109.3	111.7	54.6	49.3	46.2	1.2	1.3
13:00	45.9	54.7	75.0	49.1	66.9	51.7	44.8	1.2	1.9
14:00	90.3	92.3	109.2	84.5	57.4	53.1	50.8	1.7	1.9
15:00	126.7	121.6	142.2	118.8	39.5	45.5	48.7	2.2	2.1
16:00	97.4	100.0	126.2	96.9	52.5	53.3	52.3	1.8	1.8
17:00	114.3	117.9	137.6	113.8	28.7	24.6	20.3	2.4	2.7
18:00	227.7	117.5	284.9	138.5	49.5	62.5	66.0	.5	.4
19:00	208.5	229.7	310.4	222.4	14.9	67.3	38.4	1.0	.6
20:00	65.4	339.9	314.2	340.2	46.3	48.6	49.4	.4	.2
21:00	121.2	117.5	358.2	112.8	33.6	27.0	22.5	1.0	.7
22:00	62.6	49.8	339.0	50.2	42.1	49.3	26.7	.6	.6
23:00	65.4	36.9	15.3	32.0	27.9	9.9	17.1	.6	1.5
Avg	99.0	83.0	12.0	79.0	41.6	41.2	34.8	.0	.0
Max	227.7	339.9	358.2	340.2	66.9	67.3	66.0	2.4	2.7
Hr. of Max	18	20	21	20	13	19	18	17	17
Min	41.9	36.9	15.3	28.2	14.9	9.9	6.3	.2	.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/28/2014

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	2.1	.7	1.7	2.3	1.0	2.5	1.6	1.2	.03
01:00	3.5	.9	1.6	3.5	1.1	3.7	.4	.8	.01
02:00	.8	1.1	.7	1.1	1.3	1.3	1.9	.3	.04
03:00	2.5	1.1	1.7	2.5	1.3	2.7	.0	2.6	-.01
04:00	.7	.7	.5	.9	1.0	1.2	1.9	-.6	.02
05:00	.8	.9	.9	.8	1.2	1.1	2.1	1.5	.04
06:00	.5	.7	.2	.6	1.0	1.0	1.5	.5	.02
07:00	.7	.5	.8	.7	.8	1.0	2.6	.3	.03
08:00	.3	.5	.6	.8	.9	1.1	10.9	.3	.20
09:00	1.3	1.2	1.3	1.5	1.7	1.9	-.5	-5.9	.00
10:00	1.7	1.8	2.0	2.0	2.4	2.6	-1.0	1.7	-.05
11:00	.8	1.2	1.2	1.2	1.9	1.9	-.6	-18.4	.05
12:00	1.3	2.5	2.6	2.5	3.1	3.2	-3.9	-9.7	-.27
13:00	2.4	2.6	3.2	3.4	3.3	4.0	-4.5	-6.9	-.38
14:00	2.2	3.1	3.3	3.6	3.7	4.3	.0	9.3	-.04
15:00	2.0	3.1	3.3	3.3	3.8	4.0	3.6	1.2	.27
16:00	1.8	2.5	2.6	2.6	3.1	3.3	8.8	18.9	.41
17:00	3.0	2.8	3.0	3.2	3.4	3.8	6.1	10.4	.35
18:00	.3	1.0	1.2	1.3	1.3	1.7	6.5	8.3	.13
19:00	1.1	1.0	.9	1.5	1.2	1.7	-.9	1.6	-.02
20:00	1.6	.6	.6	1.9	.9	2.0	-.2	6.3	.00
21:00	.6	1.2	1.0	1.0	1.4	1.3	1.9	.5	.05
22:00	1.2	.8	.7	1.3	1.0	1.6	1.1	.4	.02
23:00	1.8	.7	1.5	2.0	.9	2.2	1.6	2.3	.02
Avg	.0	1.4	1.5	1.9	1.8	2.3	1.7	1.1	.04
Max	3.5	3.1	3.3	3.6	3.8	4.3	10.9	18.9	.41
Hr. of Max	01	15	15	14	15	14	08	16	16
Min	.3	.5	.2	.6	.8	1.0	-4.5	-18.4	-.38
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/28/2014

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	.05	2.1	3.7	4.1	2.4	4.2	8.6	5.2
01:00	.06	2.7	5.3	7.3	2.8	5.5	8.6	3.1
02:00	.01	3.0	2.5	3.2	2.5	2.8	6.7	6.7
03:00	.11	2.5	3.0	4.4	2.7	4.8	7.4	3.5
04:00	.00	2.7	3.2	6.9	3.0	3.9	8.1	7.5
05:00	.04	2.5	2.3	2.3	3.0	2.6	7.7	8.5
06:00	.02	3.0	1.6	1.8	2.2	2.2	6.8	8.0
07:00	.02	2.1	2.3	2.3	1.8	2.4	7.1	5.8
08:00	.02	2.1	2.1	3.7	2.6	3.8	24.7	12.6
09:00	-.16	3.4	4.4	7.3	4.5	5.3	28.1	30.7
10:00	.08	5.7	5.0	5.0	6.3	5.9	28.2	31.4
11:00	-.73	5.7	5.5	5.7	6.7	6.0	36.4	38.9
12:00	-.49	7.1	7.1	7.8	8.6	8.9	27.7	31.9
13:00	-.48	8.2	10.1	9.8	8.3	10.6	28.2	27.4
14:00	.82	9.4	9.6	9.4	10.0	10.0	27.5	28.1
15:00	.25	10.8	12.1	10.8	11.1	13.0	26.8	31.7
16:00	1.11	8.9	8.2	8.9	9.3	9.3	26.8	30.2
17:00	.80	6.6	8.0	7.3	7.2	7.6	18.6	23.4
18:00	.32	5.3	4.8	4.6	3.8	5.6	20.3	25.8
19:00	.14	2.5	3.2	6.0	2.1	6.1	9.4	15.3
20:00	.26	2.3	3.0	10.5	2.6	6.4	11.1	16.4
21:00	.04	3.0	3.0	3.0	3.1	3.1	9.6	11.1
22:00	.00	2.5	3.4	3.7	2.7	3.0	10.4	13.9
23:00	.09	3.4	3.0	4.4	2.7	4.5	9.1	7.9
Avg	.10	4.5	4.9	5.8	4.7	5.7	16.8	17.7
Max	1.11	10.8	12.1	10.8	11.1	13.0	36.4	38.9
Hr. of Max	16	15	15	15	15	15	11	11
Min	-.73	2.1	1.6	1.8	1.8	2.2	6.7	3.1
Count	24	24	24	24	24	24	24	24
Total								