Date Printed: 09/30/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/29/2014

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	19.2	19.4	19.8	20.1	.20	.61	.98	.41	.78
01:00	18.9	19.1	19.3	19.5	.25	.43	.62	.18	.37
02:00	18.8	19.1	19.2	19.4	.28	.37	.54	.09	.26
03:00	18.8	18.9	19.0	19.1	.11	.13	.23	.02	.11
04:00	18.6	18.9	18.8	18.9	.30	.28	.33	-.02	.03
05:00	18.4	18.5	18.5	18.6	.10	.08	.15	-.02	.05
06:00	18.3	18.3	18.4	18.5	-.02	.03	.16	.05	.18
07:00	18.4	18.5	18.5	18.5	.04	.07	.10	.04	.06
08:00	18.6	18.6	18.6	18.6	.06	.02	.05	-.04	.00
09:00	19.3	19.1	18.9	18.9	-.20	-.37	-.40	-.17	-.20
10:00	20.1	19.9	19.7	19.6	-.25	-.48	-.56	-.23	-.31
11:00	21.3	20.8	20.5	20.4	-.43	-.72	-.83	-.28	-.40
12:00	23.1	22.1	21.8	21.7	-.90	-1.23	-1.36	-.32	-.46
13:00	25.1	23.8	23.4	23.3	-1.28	-1.70	-1.84	-.41	-.56
14:00	26.2	24.9	24.5	24.2	-1.29	-1.73	-1.96	-.44	-.67
15:00	26.2	25.3	24.9	24.8	-.97	-1.32	-1.46	-.35	-.50
16:00	26.3	25.5	25.2	25.1	-.81	-1.10	-1.20	-.29	-.39
17:00	26.2	25.7	25.4	25.3	-.52	-.77	-.87	-.25	-.35
18:00	23.5	24.5	25.1	25.1	1.02	1.61	1.63	.58	.61
19:00	20.4	21.7	23.2	23.7	1.26	2.74	3.29	1.49	2.03
20:00	18.7	20.3	20.9	21.7	1.53	2.19	2.94	.66	1.41
21:00	17.8	19.2	19.7	20.8	1.45	1.95	3.05	.50	1.60
22:00	17.2	18.4	18.8	19.6	1.24	1.63	2.44	.39	1.20
23:00	16.7	17.7	18.1	18.7	1.04	1.48	2.06	.44	1.02
Avg	20.7	20.8	20.8	21.0	.09	.18	.34	.08	.24
Max	26.3	25.7	25.4	25.3	1.53	2.74	3.29	1.49	2.03
Hr. of Max	16	17	17	17	20	19	19	19	19
Min	16.7	17.7	18.1	18.5	-1.29	-1.73	-1.96	-.44	-.67
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/29/2014

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	17.5	17.4	18.0	23.7	92.0	90.4	14.9	14.8	0.012887
01:00	17.6	17.6	18.0	23.6	94.2	92.7	15.0	14.9	0.012973
02:00	17.7	17.7	18.0	23.4	95.0	93.7	15.0	15.1	0.013032
03:00	17.7	17.8	18.0	23.3	94.9	94.9	15.0	15.1	0.01303
04:00	17.5	17.7	17.8	23.1	95.5	94.9	14.9	15.0	0.012892
05:00	17.4	17.5	17.8	23.0	95.9	95.6	14.9	14.9	0.012862
06:00	17.3	17.4	17.7	22.8	95.9	96.2	14.8	14.8	0.012772
07:00	17.4	17.5	17.8	22.7	95.8	95.9	14.8	14.9	0.012833
08:00	17.5	17.5	17.9	22.6	95.5	94.7	14.9	14.8	0.012917
09:00	17.8	17.6	18.3	22.5	93.1	93.3	15.1	15.0	0.01315
10:00	17.9	17.7	18.6	22.5	88.7	88.9	15.2	15.0	0.013222
11:00	17.4	16.9	18.7	22.5	80.4	80.1	14.7	14.3	0.012824
12:00	16.5	15.9	18.7	22.7	68.4	69.5	13.8	13.4	0.012169
13:00	15.2	14.9	18.5	23.0	55.6	58.7	12.7	12.4	0.0112
14:00	14.6	14.6	18.5	23.6	50.0	54.0	12.1	12.2	0.010787
15:00	14.1	14.0	18.2	24.1	48.4	51.0	11.8	11.8	0.010459
16:00	14.5	14.4	18.4	24.4	49.7	51.7	12.1	12.0	0.010749
17:00	14.7	14.6	18.5	24.5	50.4	51.5	12.2	12.1	0.01087
18:00	16.2	15.3	18.6	24.6	65.7	57.8	13.6	12.7	0.011981
19:00	16.5	16.0	17.8	24.6	79.9	71.5	13.9	13.4	0.012154
20:00	15.9	16.1	16.9	24.4	85.3	78.8	13.5	13.6	0.01169
21:00	15.6	16.4	16.3	24.2	88.6	85.2	13.2	13.9	0.011442
22:00	15.4	16.5	16.0	23.9	90.8	90.3	13.1	14.0	0.011264
23:00	15.1	16.3	15.6	23.7	92.0	93.4	12.8	13.9	0.011053
Avg	16.5	16.5	17.9	23.5	80.9	80.2	13.9	13.9	0.012134
Max	17.9	17.8	18.7	24.6	95.9	96.2	15.2	15.1	0.013222
Hr. of Max	10	03	12	19	06	06	10	03	10
Min	14.1	14.0	15.6	22.5	48.4	51.0	11.8	11.8	0.010459
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/29/2014

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	0.01282	20.0	19.9	.00	29.16	987.4	-2.2	.00	333.4
01:00	0.012965	20.2	20.2	.00	29.15	987.1	-2.3	.00	309.3
02:00	0.013082	20.3	20.3	.01	29.15	987.0	-1.4	.00	23.4
03:00	0.013118	20.2	20.4	.03	29.14	986.7	-1.4	.00	16.7
04:00	0.013052	20.0	20.3	.01	29.13	986.5	-2.2	.00	27.8
05:00	0.012899	20.0	20.0	.00	29.13	986.4	-3.5	.00	324.2
06:00	0.012795	19.8	19.9	.00	29.13	986.5	-2.5	.00	246.2
07:00	0.012877	19.9	20.0	.00	29.13	986.6	.2	.00	359.2
08:00	0.012859	20.1	20.0	.00	29.14	986.8	32.1	.05	28.3
09:00	0.01301	20.4	20.2	.00	29.15	987.0	97.4	.14	50.8
10:00	0.013041	20.5	20.3	.00	29.15	987.1	211.9	.30	40.2
11:00	0.012447	19.9	19.4	.00	29.14	986.8	432.1	.62	77.6
12:00	0.011706	18.9	18.2	.00	29.13	986.3	681.2	.98	87.4
13:00	0.01094	17.4	17.0	.00	29.10	985.6	842.7	1.21	96.4
14:00	0.010791	16.8	16.8	.00	29.07	984.6	785.1	1.13	75.7
15:00	0.010405	16.3	16.2	.00	29.05	983.9	518.9	.74	95.0
16:00	0.010669	16.7	16.6	.00	29.04	983.5	409.7	.59	346.8
17:00	0.010763	16.9	16.7	.00	29.03	983.2	271.1	.39	20.3
18:00	0.011256	18.6	17.5	.00	29.03	983.0	91.0	.13	310.5
19:00	0.011747	18.8	18.2	.00	29.03	983.1	3.9	.01	324.1
20:00	0.011871	18.1	18.4	.00	29.04	983.4	-2.2	.00	330.8
21:00	0.012051	17.8	18.7	.00	29.05	983.8	-1.6	.00	354.4
22:00	0.012118	17.5	18.8	.00	29.06	984.1	-2.2	.00	290.0
23:00	0.011984	17.2	18.6	.00	29.06	984.0	-1.7	.00	359.4
Avg	0.012136	18.8	18.9	.00	29.10	985.4	181.4	.26	9.0
Max	0.013118	20.5	20.4	.03	29.16	987.4	842.7	1.21	359.4
Hr. of Max	03	10	03	03	00	00	13	13	23
Min	0.010405	16.3	16.2	.00	29.03	983.0	-3.5	.00	16.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/29/2014

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	5.5	110.7	337.7	103.9	24.6	39.2	35.2	.6	.3
01:00	26.0	53.3	311.1	47.4	47.1	56.5	52.2	.6	.7
02:00	66.0	72.1	25.6	67.6	47.4	17.3	12.0	1.0	1.5
03:00	39.5	39.9	20.1	34.4	47.0	34.4	23.5	1.0	2.0
04:00	55.1	69.3	34.3	64.7	16.7	15.5	11.8	1.0	1.8
05:00	4.2	79.0	323.4	72.1	51.4	44.1	25.4	.3	.7
06:00	236.6	157.7	253.9	167.9	33.1	31.3	18.2	1.1	.9
07:00	17.2	39.4	5.4	30.4	29.2	25.8	33.0	.7	1.6
08:00	40.2	53.7	34.4	48.7	17.4	12.6	8.9	1.1	1.9
09:00	56.3	63.5	56.2	58.9	34.6	16.7	10.9	.9	2.2
10:00	32.9	40.1	45.3	36.0	40.1	36.8	29.2	.8	1.3
11:00	77.6	78.1	90.0	73.2	38.8	28.3	22.7	1.6	2.3
12:00	86.7	78.9	100.4	73.9	41.6	34.0	26.9	2.2	2.7
13:00	95.3	88.7	102.9	84.3	43.5	32.6	32.1	2.7	3.4
14:00	72.6	74.4	84.2	70.7	58.0	44.8	34.9	2.8	3.3
15:00	75.3	68.7	93.8	61.4	54.5	50.4	48.1	1.9	2.2
16:00	13.1	26.3	348.0	20.7	58.9	57.2	55.7	.6	1.3
17:00	39.8	48.7	30.0	45.2	63.9	59.1	50.6	1.1	1.7
18:00	153.2	122.4	312.7	117.8	54.5	67.0	38.3	.5	.3
19:00	54.8	46.9	327.1	40.8	40.3	42.8	21.0	.7	.5
20:00	57.4	56.9	332.9	51.4	18.9	14.6	16.1	.4	1.0
21:00	34.8	68.8	1.8	57.6	22.5	43.3	33.8	.5	.7
22:00	124.7	75.1	290.5	70.5	24.1	19.0	23.6	.4	.1
23:00	51.0	58.8	3.3	55.4	40.1	24.3	36.2	.3	.8
Avg	53.0	68.0	14.0	62.0	39.5	35.3	29.2	.0	.0
Max	236.6	157.7	348.0	167.9	63.9	67.0	55.7	2.8	3.4
Hr. of Max	06	06	16	06	17	18	16	14	13
Min	4.2	26.3	1.8	20.7	16.7	12.6	8.9	.3	.1
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)

9/29/2014

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	.2	.9	1.2	.8	1.2	1.2	2.1	1.2	.02
01:00	1.1	1.1	1.0	1.4	1.5	1.8	-.9	-1.4	-.04
02:00	2.1	1.2	1.7	2.2	1.6	2.6	-1.0	.1	-.08
03:00	2.6	1.4	2.4	3.1	1.8	3.5	-.8	-3.0	-.08
04:00	2.3	1.0	1.9	2.4	1.4	2.7	-.5	.2	-.05
05:00	1.1	.5	.9	1.3	1.0	1.7	1.7	2.6	.02
06:00	.2	1.2	1.3	.8	1.7	1.3	-.9	.9	-.03
07:00	1.6	.7	1.9	1.9	1.2	2.3	-1.8	-1.7	-.07
08:00	2.4	1.2	2.1	2.6	1.6	2.9	-5.9	-1.6	-.19
09:00	2.9	1.0	2.3	3.0	1.5	3.3	-1.9	-3.3	-.12
10:00	1.5	1.0	1.5	1.7	1.6	2.2	.4	2.8	-.03
11:00	2.8	2.0	2.7	3.1	2.6	3.6	-1.6	-.4	-.12
12:00	2.9	2.9	3.2	3.4	3.6	3.9	-1.2	-5.7	-.13
13:00	3.7	3.3	3.9	4.2	4.0	4.9	-.9	-5.0	-.09
14:00	4.0	3.9	4.4	4.8	4.6	5.5	3.9	3.6	.23
15:00	2.4	2.8	3.3	3.3	3.5	3.9	-.6	-3.4	.00
16:00	1.7	2.0	2.4	2.6	2.4	3.1	.0	-1.2	-.02
17:00	1.9	1.8	2.4	2.4	2.5	3.1	.0	3.8	-.08
18:00	1.1	.8	.6	1.2	1.2	1.7	5.3	11.1	.11
19:00	.7	.7	.7	.9	1.0	1.3	.9	1.5	.01
20:00	1.1	.4	1.1	1.1	.8	1.5	1.9	-.8	.02
21:00	.4	.6	.7	.5	1.0	1.0	2.2	-.8	.03
22:00	.3	.7	.5	.9	1.1	1.3	2.3	.6	.03
23:00	.5	.4	.8	.6	.8	1.1	2.8	-.5	.04
Avg	.0	1.4	1.9	2.1	1.9	2.6	.2	.0	-.03
Max	4.0	3.9	4.4	4.8	4.6	5.5	5.3	11.1	.23
Hr. of Max	14	14	14	14	14	14	18	18	14
Min	.2	.4	.5	.5	.8	1.0	-5.9	-5.7	-.19
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/29/2014

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	.02	3.2	3.2	2.5	3.4	3.0	8.6	6.7
01:00	-.01	2.7	3.0	3.2	3.5	3.7	9.8	12.6
02:00	.00	4.1	3.4	4.1	3.4	4.2	10.3	5.0
03:00	-.19	4.8	5.5	6.2	5.7	6.7	15.8	11.9
04:00	-.01	2.7	3.9	4.8	3.6	5.1	10.9	7.0
05:00	.04	1.6	3.4	4.4	2.2	4.4	12.1	12.9
06:00	.02	2.3	5.5	6.6	3.0	4.2	7.4	11.8
07:00	-.05	2.1	3.7	3.7	2.6	4.4	12.7	6.9
08:00	-.08	3.2	4.6	6.6	3.9	4.4	11.5	6.2
09:00	-.22	3.7	4.8	6.0	4.5	5.6	23.3	8.1
10:00	.06	4.1	4.4	4.1	4.6	4.7	24.7	24.6
11:00	.00	6.0	6.9	6.6	7.2	7.6	22.3	19.9
12:00	-.45	9.2	8.5	8.2	9.6	8.7	23.3	23.7
13:00	-.42	10.1	11.9	11.0	9.3	12.3	23.6	25.1
14:00	.42	11.0	11.4	11.0	11.0	13.1	24.4	23.3
15:00	-.22	14.2	16.5	15.8	11.1	11.0	25.7	29.1
16:00	-.09	7.3	6.6	6.9	7.6	8.2	27.0	25.9
17:00	.21	6.0	7.6	8.2	7.5	8.8	22.8	27.7
18:00	.40	9.2	6.4	7.1	5.2	6.0	17.0	21.6
19:00	.04	3.4	2.7	2.1	2.4	2.6	9.0	9.1
20:00	-.02	1.6	2.5	2.5	2.1	2.6	9.0	4.7
21:00	-.01	1.6	2.3	3.4	2.0	2.7	6.9	5.7
22:00	.01	2.3	2.5	2.5	2.2	1.9	6.5	4.4
23:00	-.01	1.6	2.5	1.6	1.9	2.1	7.7	5.4
Avg	-.02	4.9	5.6	5.8	5.0	5.8	15.5	14.1
Max	.42	14.2	16.5	15.8	11.1	13.1	27.0	29.1
Hr. of Max	14	15	15	15	15	14	16	15
Min	-.45	1.6	2.3	1.6	1.9	1.9	6.5	4.4
Count	24	24	24	24	24	24	24	24
Total								