Date Printed: 09/23/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/22/2014

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	14.7	16.6	18.0	19.3	1.99	3.35	4.64	1.36	2.64
01:00	13.3	15.2	16.3	18.0	1.84	2.99	4.62	1.15	2.77
02:00	12.6	15.5	17.9	19.2	2.90	5.30	6.58	2.39	3.67
03:00	12.5	14.2	15.6	17.3	1.70	3.12	4.87	1.42	3.17
04:00	11.6	13.4	14.2	15.5	1.80	2.61	3.94	.82	2.14
05:00	11.0	12.5	13.1	14.6	1.52	2.11	3.58	.58	2.06
06:00	10.4	11.9	12.8	14.3	1.51	2.38	3.89	.86	2.38
07:00	10.1	11.5	12.8	14.1	1.46	2.72	4.03	1.26	2.57
08:00	12.2	12.8	13.7	14.1	.61	1.45	1.90	.84	1.30
09:00	16.3	16.1	15.9	15.8	-.19	-.41	-.51	-.22	-.33
10:00	18.0	17.4	17.0	16.8	-.59	-.96	-1.16	-.37	-.58
11:00	19.2	18.3	17.8	17.5	-.89	-1.40	-1.67	-.52	-.79
12:00	20.2	19.1	18.6	18.3	-1.13	-1.61	-1.94	-.48	-.80
13:00	21.2	20.0	19.5	19.3	-1.18	-1.63	-1.92	-.45	-.74
14:00	22.0	20.8	20.4	20.2	-1.14	-1.57	-1.77	-.43	-.63
15:00	23.0	21.8	21.3	21.2	-1.22	-1.65	-1.81	-.43	-.59
16:00	23.0	22.0	21.6	21.4	-.99	-1.43	-1.62	-.45	-.63
17:00	22.5	21.9	21.5	21.3	-.65	-1.01	-1.20	-.36	-.55
18:00	21.0	20.9	20.7	20.7	-.13	-.27	-.30	-.13	-.17
19:00	17.6	18.6	19.0	19.2	1.03	1.40	1.61	.36	.57
20:00	15.2	17.1	17.5	17.8	1.82	2.26	2.52	.44	.70
21:00	13.4	15.4	16.4	16.8	2.03	3.02	3.37	.99	1.33
22:00	12.1	14.3	15.4	15.8	2.21	3.24	3.71	1.03	1.50
23:00	11.0	13.7	14.4	14.9	2.68	3.40	3.87	.72	1.18
Avg	16.0	16.7	17.1	17.6	.71	1.14	1.63	.43	.92
Max	23.0	22.0	21.6	21.4	2.90	5.30	6.58	2.39	3.67
Hr. of Max	16	16	16	16	02	02	02	02	02
Min	10.1	11.5	12.8	14.1	-1.22	-1.65	-1.94	-.52	-.80
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)

9/22/2014

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	13.3	12.9	13.8	23.5	93.3	80.0	11.6	11.2	0.009838
01:00	12.1	12.2	12.5	23.2	93.6	83.8	10.7	10.7	0.009054
02:00	11.4	10.9	11.8	22.9	93.9	75.6	10.3	9.8	0.008662
03:00	11.3	11.5	11.7	22.6	93.9	85.1	10.2	10.2	0.008573
04:00	10.5	11.1	10.9	22.3	94.5	87.5	9.7	10.0	0.008131
05:00	10.0	10.8	10.3	22.0	94.5	90.8	9.4	9.9	0.007823
06:00	9.4	10.5	9.7	21.8	94.5	92.3	9.0	9.7	0.007522
07:00	9.1	9.9	9.4	21.5	94.8	91.1	8.9	9.3	0.007367
08:00	10.3	9.4	11.0	21.2	89.6	80.7	9.6	8.9	0.008028
09:00	8.8	7.7	11.3	21.0	62.2	58.6	8.5	7.9	0.007243
10:00	8.1	7.3	11.4	21.0	53.4	52.4	8.1	7.7	0.006914
11:00	8.1	7.7	11.8	21.1	49.4	50.7	8.1	7.9	0.00692
12:00	7.9	7.4	12.0	21.5	45.8	47.4	8.0	7.7	0.00684
13:00	7.4	7.1	12.0	22.0	41.9	44.0	7.7	7.5	0.006642
14:00	7.0	6.9	12.0	22.6	38.7	41.3	7.4	7.4	0.006437
15:00	7.0	6.9	12.3	23.2	36.4	39.0	7.4	7.4	0.006449
16:00	6.5	6.5	12.0	23.5	35.2	37.4	7.2	7.2	0.006241
17:00	8.0	7.9	12.8	23.7	40.1	41.5	7.9	7.9	0.006891
18:00	8.6	8.3	12.7	23.8	45.9	45.1	8.3	8.1	0.007179
19:00	9.5	8.6	12.2	23.8	60.5	53.0	8.9	8.3	0.007624
20:00	9.7	8.5	11.6	23.7	70.7	57.8	9.1	8.3	0.007696
21:00	9.4	8.4	10.7	23.4	77.9	63.8	8.9	8.3	0.007516
22:00	9.1	8.7	10.1	23.0	83.0	69.8	8.8	8.5	0.007365
23:00	8.8	9.0	9.6	22.7	87.3	74.0	8.7	8.7	0.007217
Avg	9.2	9.0	11.5	22.5	69.6	64.3	8.9	8.7	0.007507
Max	13.3	12.9	13.8	23.8	94.8	92.3	11.6	11.2	0.009838
Hr. of Max	00	00	00	19	07	06	00	00	00
Min	6.5	6.5	9.4	21.0	35.2	37.4	7.2	7.2	0.006241
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)

9/22/2014

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	0.009585	15.3	15.0	.00	29.10	985.6	-2.1	.00	308.6
01:00	0.009136	14.1	14.3	.00	29.12	986.1	-2.5	.00	324.3
02:00	0.008384	13.5	13.1	.00	29.12	986.2	-2.0	.00	326.0
03:00	0.008685	13.4	13.6	.00	29.12	986.3	-2.3	.00	60.2
04:00	0.008474	12.7	13.3	.00	29.13	986.6	-2.8	.00	278.9
05:00	0.008311	12.3	13.0	.00	29.15	987.3	-2.0	.00	2.6
06:00	0.008129	11.8	12.7	.00	29.18	988.1	-2.5	.00	299.0
07:00	0.007803	11.6	12.2	.00	29.20	988.7	15.9	.02	316.6
08:00	0.007506	12.6	11.8	.00	29.21	989.3	196.0	.28	181.3
09:00	0.006738	11.4	10.6	.00	29.23	989.8	418.0	.60	53.4
10:00	0.006544	10.9	10.3	.00	29.24	990.2	610.3	.87	44.8
11:00	0.006709	10.9	10.6	.00	29.25	990.4	756.6	1.08	50.5
12:00	0.006598	10.8	10.4	.00	29.24	990.3	845.6	1.21	73.7
13:00	0.006472	10.5	10.2	.00	29.24	990.3	872.0	1.25	61.7
14:00	0.006405	10.1	10.1	.00	29.23	989.8	853.4	1.22	35.9
15:00	0.006401	10.2	10.1	.00	29.21	989.3	760.6	1.09	332.5
16:00	0.006257	9.8	9.9	.00	29.21	989.2	609.6	.87	352.4
17:00	0.006861	10.8	10.8	.00	29.21	989.1	287.2	.41	24.2
18:00	0.007016	11.3	11.0	.00	29.22	989.4	132.3	.19	36.9
19:00	0.007142	12.0	11.2	.00	29.23	990.0	12.9	.02	35.3
20:00	0.007071	12.1	11.1	.00	29.25	990.6	-1.9	.00	34.2
21:00	0.007018	11.8	11.1	.00	29.27	991.2	-2.5	.00	38.1
22:00	0.007155	11.6	11.3	.00	29.28	991.6	-2.1	.00	60.6
23:00	0.007291	11.4	11.5	.00	29.29	991.9	-2.5	.00	63.1
Avg	0.007404	11.8	11.6	.00	29.21	989.1	264.4	.38	19.0
Max	0.009585	15.3	15.0	.00	29.29	991.9	872.0	1.25	352.4
Hr. of Max	00	00	00	23	23	23	13	13	16
Min	0.006257	9.8	9.9	.00	29.10	985.6	-2.8	.00	2.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/22/2014

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	220.6	115.3	312.4	111.9	39.1	33.6	51.1	1.0	.7
01:00	41.8	55.2	318.5	50.9	54.7	37.0	37.6	.3	.5
02:00	357.9	15.1	329.4	9.5	35.6	16.3	8.6	1.1	4.2
03:00	62.3	25.0	70.3	19.8	50.7	14.0	11.1	.5	3.0
04:00	219.4	65.8	284.8	63.0	45.0	44.5	22.6	.8	.4
05:00	53.2	36.4	354.6	32.0	46.2	32.4	8.3	.1	.7
06:00	56.8	46.3	298.5	42.5	52.0	28.0	15.2	.4	.9
07:00	44.8	31.1	291.7	25.6	66.4	25.2	5.6	.1	1.6
08:00	52.1	31.9	201.2	27.6	37.6	42.1	16.4	.3	2.1
09:00	48.2	44.7	60.3	41.0	33.7	20.6	14.4	4.3	8.0
10:00	39.7	39.0	51.1	34.5	41.0	20.7	15.3	4.8	9.9
11:00	44.2	44.6	60.1	40.1	39.3	22.9	16.0	4.8	8.3
12:00	68.5	65.7	81.0	61.7	32.0	25.3	21.0	6.1	7.8
13:00	53.0	49.0	69.7	45.1	59.1	40.3	33.9	3.0	4.8
14:00	30.9	28.6	40.6	23.5	55.5	40.0	36.5	2.8	4.3
15:00	346.7	353.2	336.2	348.9	42.8	33.9	34.4	1.8	3.0
16:00	7.7	13.3	358.8	8.0	47.0	32.5	25.1	3.5	5.3
17:00	27.6	26.2	29.5	21.2	41.7	26.4	24.2	2.9	4.9
18:00	40.1	42.7	44.0	37.7	34.9	15.5	10.3	2.7	6.6
19:00	36.9	42.4	40.9	37.1	31.6	10.5	8.0	2.0	6.6
20:00	31.6	35.8	44.8	30.1	27.6	9.2	6.9	1.6	6.1
21:00	26.0	32.8	53.8	26.6	25.3	6.2	5.6	.8	4.7
22:00	33.7	32.7	70.9	26.7	17.5	8.9	7.1	.7	3.9
23:00	59.1	55.3	68.3	51.3	44.0	9.5	6.9	.3	2.9
Avg	38.0	39.0	23.0	35.0	41.7	24.8	18.4	.0	.0
Max	357.9	353.2	358.8	348.9	66.4	44.5	51.1	6.1	9.9
Hr. of Max	02	15	16	15	07	04	00	12	10
Min	7.7	13.3	29.5	8.0	17.5	6.2	5.6	.1	.4
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)

9/22/2014

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	1.1	1.2	.8	1.3	1.5	1.8	.0	3.2	-.02
01:00	1.5	.4	.7	1.7	.8	2.1	1.3	.4	.01
02:00	7.6	1.3	4.3	7.7	1.7	8.1	.9	2.0	-.01
03:00	5.9	.7	3.3	6.1	1.1	6.5	2.3	3.7	.06
04:00	2.1	.9	.9	2.3	1.4	2.7	1.9	1.2	.03
05:00	2.2	.2	.7	2.2	.5	2.6	1.0	1.1	.01
06:00	3.1	.5	1.1	3.2	.9	3.6	.5	1.0	.00
07:00	5.1	.3	1.9	5.1	.7	5.5	1.2	1.9	.02
08:00	4.6	1.3	2.4	4.8	1.8	5.3	2.6	2.5	.07
09:00	10.1	4.9	8.4	10.5	5.4	11.2	.3	-.9	-.32
10:00	12.5	5.7	10.4	12.9	6.7	13.7	-2.8	-1.1	-.70
11:00	10.2	5.8	9.0	10.7	6.6	11.5	-.5	-.2	-.42
12:00	9.5	6.9	8.6	10.2	7.8	11.0	.8	2.4	-.05
13:00	6.0	4.2	5.8	6.7	5.1	7.6	-.2	3.8	-.26
14:00	5.0	4.4	5.7	6.5	5.0	7.3	-4.0	.9	-.41
15:00	3.8	3.6	4.6	5.1	4.1	5.8	-1.4	.1	-.32
16:00	5.9	4.2	5.9	6.5	4.8	7.2	-.8	2.4	-.41
17:00	6.0	3.5	5.3	6.5	4.1	7.0	.3	-.8	-.21
18:00	8.7	3.1	6.8	8.8	3.5	9.4	2.2	.4	-.17
19:00	9.0	2.2	6.7	9.1	2.6	9.5	-1.3	-.4	-.21
20:00	8.7	1.8	6.2	8.8	2.2	9.2	-.8	.4	-.16
21:00	6.7	.9	4.7	6.8	1.3	7.1	.6	1.2	-.04
22:00	6.3	.8	3.9	6.4	1.2	6.8	4.0	3.2	.08
23:00	5.5	.3	2.9	5.6	.8	6.0	2.8	-.3	.05
Avg	.0	2.5	4.6	6.5	3.0	7.0	.5	1.2	-.14
Max	12.5	6.9	10.4	12.9	7.8	13.7	4.0	3.8	.08
Hr. of Max	10	12	10	10	12	10	22	13	22
Min	1.1	.2	.7	1.3	.5	1.8	-4.0	-1.1	-.70
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/22/2014

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	.06	4.4	3.2	4.4	3.6	4.8	10.1	20.9
01:00	.02	2.3	2.7	7.6	2.4	8.0	11.5	12.7
02:00	.27	4.6	8.5	12.1	5.3	12.7	11.2	3.6
03:00	.40	3.2	10.3	17.9	3.8	12.2	12.4	6.3
04:00	.07	2.7	2.7	8.9	3.1	7.4	10.0	8.0
05:00	.06	1.4	2.3	5.3	1.7	6.0	7.6	7.1
06:00	.05	2.3	7.1	11.0	3.1	12.3	7.9	5.7
07:00	.18	4.1	9.8	17.4	2.8	10.6	10.3	4.4
08:00	.16	8.2	11.9	14.7	7.9	15.0	17.2	11.7
09:00	-.34	16.7	19.2	19.2	18.3	20.9	23.9	10.7
10:00	-.48	18.3	20.6	24.5	19.5	27.1	24.1	11.9
11:00	-.28	16.5	19.7	25.4	17.0	21.2	23.8	13.6
12:00	.39	15.8	20.6	21.5	17.7	20.5	19.0	14.3
13:00	.22	14.2	17.2	16.3	15.9	16.8	25.1	21.2
14:00	.11	21.8	22.0	21.3	14.8	15.7	24.4	21.4
15:00	-.20	11.9	14.0	12.6	12.8	13.2	26.0	22.9
16:00	-.01	11.9	14.2	13.5	12.5	14.2	24.7	20.0
17:00	-.20	10.5	11.9	14.9	11.2	14.8	23.8	15.0
18:00	-.04	13.7	17.2	16.9	12.5	16.4	26.0	8.8
19:00	-.12	7.8	13.5	15.1	8.8	15.8	22.0	5.8
20:00	.00	7.8	13.1	21.1	7.5	15.8	19.9	5.5
21:00	.12	4.1	9.6	17.9	4.0	11.4	19.3	4.5
22:00	.34	2.5	9.6	12.1	2.9	11.4	13.0	5.7
23:00	-.04	1.8	5.7	11.7	2.8	9.3	13.1	4.7
Avg	.03	8.7	11.9	15.1	8.8	13.9	17.8	11.1
Max	.40	21.8	22.0	25.4	19.5	27.1	26.0	22.9
Hr. of Max	03	14	14	11	10	10	18	15
Min	-.48	1.4	2.3	4.4	1.7	4.8	7.6	3.6
Count	24	24	24	24	24	24	24	24
Total								