Date Printed: 09/27/2014 04:29

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/26/2014

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	16.9	18.0	18.4	19.4	1.17	1.57	2.52	.40	1.35
01:00	16.9	18.2	18.8	19.7	1.34	1.87	2.84	.53	1.50
02:00	16.7	17.8	18.3	19.1	1.12	1.64	2.46	.52	1.34
03:00	15.8	16.7	17.4	18.2	.86	1.62	2.38	.77	1.52
04:00	15.5	16.7	17.0	17.8	1.19	1.51	2.31	.32	1.12
05:00	15.5	16.6	16.9	17.6	1.17	1.47	2.13	.30	.96
06:00	15.0	16.3	16.6	17.0	1.35	1.63	1.97	.28	.63
07:00	14.7	16.0	16.2	16.6	1.22	1.43	1.88	.21	.66
08:00	16.5	16.6	16.7	16.9	.08	.15	.40	.07	.32
09:00	20.0	19.5	19.2	19.1	-.55	-.79	-.91	-.24	-.36
10:00	22.0	21.0	20.6	20.4	-1.04	-1.40	-1.59	-.36	-.55
11:00	23.8	22.6	22.2	22.0	-1.22	-1.60	-1.82	-.39	-.60
12:00	25.1	23.8	23.4	23.1	-1.30	-1.72	-1.99	-.42	-.69
13:00	26.4	25.0	24.6	24.4	-1.41	-1.82	-2.02	-.41	-.61
14:00	26.3	25.4	25.0	24.8	-.93	-1.34	-1.51	-.42	-.58
15:00	27.6	26.5	26.0	25.9	-1.10	-1.54	-1.68	-.44	-.58
16:00	27.3	26.5	26.2	26.1	-.77	-1.09	-1.19	-.32	-.42
17:00	27.1	26.5	26.3	26.2	-.58	-.81	-.86	-.23	-.29
18:00	24.7	25.1	25.3	25.5	.39	.61	.79	.22	.40
19:00	22.4	23.6	24.3	24.6	1.26	1.96	2.27	.69	1.01
20:00	20.4	21.7	22.5	23.4	1.24	2.09	2.96	.85	1.72
21:00	19.5	20.6	21.3	22.0	1.08	1.75	2.49	.67	1.41
22:00	19.0	20.2	20.4	21.3	1.19	1.47	2.32	.28	1.13
23:00	18.4	19.3	19.9	20.6	.89	1.48	2.23	.59	1.34
Avg	20.6	20.8	21.0	21.3	.28	.42	.77	.14	.49
Max	27.6	26.5	26.3	26.2	1.35	2.09	2.96	.85	1.72
Hr. of Max	15	17	17	17	06	20	20	20	20
Min	14.7	16.0	16.2	16.6	-1.41	-1.82	-2.02	-.44	-.69
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/26/2014

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	15.1	16.3	15.7	23.1	91.2	91.6	12.9	13.9	0.011024
01:00	15.3	16.3	15.8	22.9	91.9	90.0	13.0	13.8	0.011131
02:00	15.1	16.0	15.6	22.6	92.4	91.2	12.9	13.6	0.011016
03:00	14.4	15.6	14.9	22.4	93.1	94.9	12.4	13.3	0.010534
04:00	14.2	15.7	14.6	22.2	93.1	95.2	12.1	13.3	0.010333
05:00	14.1	15.5	14.6	22.1	93.3	94.7	12.1	13.2	0.010316
06:00	13.7	15.3	14.1	21.9	93.3	95.0	11.8	13.0	0.010005
07:00	13.4	14.9	13.8	21.7	93.1	94.9	11.6	12.7	0.009806
08:00	14.5	14.5	15.1	21.5	89.3	88.9	12.4	12.4	0.010545
09:00	16.0	15.4	17.3	21.4	79.2	79.0	13.5	13.0	0.011628
10:00	15.8	15.4	17.8	21.4	69.1	71.7	13.2	12.9	0.011495
11:00	15.8	15.6	18.4	21.7	62.1	66.3	13.2	13.1	0.011513
12:00	15.4	15.2	18.6	22.1	56.0	59.7	12.8	12.7	0.011251
13:00	15.0	14.9	18.8	22.7	50.5	54.8	12.4	12.5	0.010986
14:00	15.2	15.3	18.9	23.5	51.6	54.9	12.6	12.7	0.011131
15:00	14.7	14.7	19.0	24.0	46.4	49.5	12.2	12.2	0.010789
16:00	14.9	15.0	19.0	24.3	47.9	50.4	12.3	12.4	0.010957
17:00	15.4	15.5	19.3	24.6	50.1	52.0	12.8	12.8	0.011317
18:00	16.8	16.3	19.5	24.7	63.0	59.6	14.0	13.6	0.012369
19:00	17.0	16.3	18.8	24.7	73.6	65.2	14.3	13.7	0.012517
20:00	16.7	16.5	17.9	24.6	80.6	74.1	14.1	13.9	0.012206
21:00	16.5	16.8	17.5	24.4	84.4	80.5	14.0	14.2	0.012091
22:00	16.4	16.9	17.3	24.1	87.0	83.2	13.9	14.3	0.012017
23:00	16.3	16.9	17.0	23.9	89.1	87.9	13.8	14.3	0.011868
Avg	15.3	15.7	17.1	23.0	75.9	76.1	12.9	13.2	0.011202
Max	17.0	16.9	19.5	24.7	93.3	95.2	14.3	14.3	0.012517
Hr. of Max	19	23	18	19	06	04	19	23	19
Min	13.4	14.5	13.8	21.4	46.4	49.5	11.6	12.2	0.009806
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/26/2014

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	0.011921	17.3	18.6	.00	29.26	990.9	-1.1	.00	36.9
01:00	0.011869	17.4	18.6	.00	29.25	990.7	-1.9	.00	50.2
02:00	0.011676	17.2	18.3	.00	29.25	990.6	-3.4	.00	34.5
03:00	0.011335	16.5	17.7	.00	29.25	990.5	-3.3	.00	247.9
04:00	0.011402	16.2	17.8	.00	29.25	990.5	-3.5	-.01	303.9
05:00	0.011275	16.2	17.6	.00	29.25	990.5	-3.0	.00	66.8
06:00	0.011103	15.7	17.4	.00	29.26	990.8	-2.2	.00	49.6
07:00	0.010814	15.4	16.9	.00	29.27	991.3	15.7	.02	74.3
08:00	0.01054	16.5	16.5	.00	29.29	991.9	170.1	.24	103.3
09:00	0.011211	18.2	17.6	.00	29.30	992.1	356.1	.51	90.3
10:00	0.011198	18.0	17.5	.00	29.29	991.9	566.3	.81	91.5
11:00	0.011407	18.0	17.9	.00	29.28	991.7	705.4	1.01	93.3
12:00	0.011094	17.6	17.4	.00	29.28	991.5	822.2	1.18	88.9
13:00	0.010951	17.2	17.1	.00	29.26	990.8	852.6	1.22	68.1
14:00	0.011217	17.4	17.5	.00	29.24	990.2	465.3	.67	18.9
15:00	0.010786	16.9	16.9	.00	29.22	989.6	691.9	.99	77.9
16:00	0.011009	17.1	17.2	.00	29.21	989.1	400.5	.57	7.7
17:00	0.011369	17.7	17.8	.00	29.20	989.0	253.9	.36	352.1
18:00	0.011998	19.3	18.7	.00	29.20	989.0	89.1	.13	5.8
19:00	0.011989	19.5	18.7	.00	29.20	989.0	5.6	.01	335.0
20:00	0.012107	19.0	18.9	.00	29.21	989.2	-2.0	.00	311.8
21:00	0.012317	18.9	19.2	.00	29.22	989.6	-1.5	.00	298.0
22:00	0.012373	18.8	19.3	.00	29.23	989.9	-.8	.00	14.7
23:00	0.012378	18.5	19.3	.00	29.24	990.2	-1.0	.00	340.1
Avg	0.011472	17.5	17.9	.00	29.25	990.4	223.8	.32	33.0
Max	0.012378	19.5	19.3	.00	29.30	992.1	852.6	1.22	352.1
Hr. of Max	23	19	23	23	09	09	13	13	17
Min	0.01054	15.4	16.5	.00	29.20	989.0	-3.5	-.01	5.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/26/2014

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	61.6	57.6	43.0	54.1	43.0	9.1	5.4	.3	1.4
01:00	59.3	68.1	60.1	63.9	23.3	9.4	4.1	1.2	2.7
02:00	75.5	72.5	35.7	68.7	46.5	25.9	18.5	.4	1.0
03:00	301.7	236.4	255.5	237.5	20.2	35.7	8.8	1.2	1.5
04:00	133.4	287.7	313.3	289.5	32.7	51.7	18.5	.2	.2
05:00	68.5	42.2	67.4	36.8	31.5	8.1	12.5	.6	2.1
06:00	49.8	63.5	53.0	59.5	19.9	14.3	12.6	.4	1.1
07:00	67.2	61.7	64.5	58.3	44.7	10.5	6.4	.0	1.0
08:00	58.1	50.3	125.6	45.5	28.9	33.3	17.4	.1	1.3
09:00	77.4	62.8	101.3	60.1	26.5	28.4	26.4	2.8	3.1
10:00	87.4	82.6	98.1	78.8	19.1	18.0	14.7	6.8	7.5
11:00	87.1	82.3	100.7	78.4	20.0	17.7	14.9	6.1	7.0
12:00	83.3	79.5	96.0	75.0	27.3	22.7	18.2	5.1	6.1
13:00	64.6	58.3	78.4	54.2	38.0	30.4	29.8	4.1	4.9
14:00	25.4	31.3	25.7	26.5	37.2	24.2	19.1	2.8	4.8
15:00	73.9	73.3	86.1	68.9	33.7	31.1	27.3	3.6	4.7
16:00	18.0	24.6	9.6	19.1	40.9	24.6	21.0	2.2	4.2
17:00	11.5	16.9	.1	11.7	32.8	20.6	18.1	2.3	4.4
18:00	20.7	23.9	13.6	17.6	28.2	10.3	9.0	2.1	6.2
19:00	31.0	38.8	341.3	33.7	50.4	40.9	17.8	1.0	3.6
20:00	57.1	66.6	311.3	62.6	21.2	53.5	16.1	.4	.5
21:00	68.1	133.1	300.8	310.9	22.3	43.1	50.8	.2	.2
22:00	79.8	63.4	25.5	59.6	28.4	36.8	16.3	.5	1.7
23:00	30.4	62.9	344.7	54.2	31.7	18.8	32.8	.4	.3
Avg	57.0	57.0	39.0	45.0	31.2	25.8	18.2	.0	.0
Max	301.7	287.7	344.7	310.9	50.4	53.5	50.8	6.8	7.5
Hr. of Max	03	04	23	21	19	20	21	10	10
Min	11.5	16.9	.1	11.7	19.1	8.1	4.1	.0	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/26/2014

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	2.6	.4	1.4	2.6	.8	3.0	1.9	1.0	.02
01:00	4.5	1.3	2.8	4.5	1.5	4.9	1.7	-.6	.04
02:00	2.4	1.3	1.8	2.6	1.7	3.0	3.1	1.1	.03
03:00	2.0	1.3	1.6	2.1	1.8	2.5	1.1	1.2	.02
04:00	.4	.5	.5	1.0	1.0	1.4	2.2	.0	.04
05:00	2.5	.7	2.1	2.9	1.0	3.3	2.8	4.1	.04
06:00	1.5	.5	1.2	1.6	.8	2.1	3.3	.4	.06
07:00	2.9	.0	1.0	2.9	.3	3.2	2.1	.6	.03
08:00	2.8	.1	1.4	2.8	.7	3.2	4.6	1.2	.08
09:00	3.7	3.1	3.4	3.9	3.8	4.6	6.7	10.2	.37
10:00	8.2	7.1	7.8	8.5	7.7	9.1	.7	2.0	.01
11:00	7.7	6.4	7.3	8.0	7.1	8.5	-.2	.9	-.07
12:00	7.0	5.6	6.6	7.4	6.4	8.1	1.2	.3	-.01
13:00	5.4	5.1	6.0	6.5	5.7	7.2	1.2	3.2	-.06
14:00	5.6	3.4	5.2	5.9	4.0	6.5	.3	-.1	-.28
15:00	5.3	4.6	5.8	6.3	5.4	6.9	-4.0	-1.4	-.43
16:00	5.2	2.8	4.6	5.5	3.3	6.0	-2.3	-4.2	-.33
17:00	5.4	2.7	4.7	5.8	3.3	6.2	-3.4	-1.3	-.33
18:00	8.3	2.4	6.4	8.4	2.8	8.8	1.1	-.4	-.11
19:00	5.5	1.2	3.7	5.6	1.7	6.1	-1.3	1.4	-.10
20:00	1.5	.5	.5	1.6	.7	2.0	-1.6	.5	-.02
21:00	.2	.5	.2	.3	.9	.6	.5	.6	.00
22:00	2.4	1.1	2.0	2.5	1.5	2.8	1.9	2.6	.04
23:00	.3	.7	1.3	.7	1.1	1.2	.9	-.5	.00
Avg	.0	2.2	3.3	4.2	2.7	4.6	1.0	1.0	-.04
Max	8.3	7.1	7.8	8.5	7.7	9.1	6.7	10.2	.37
Hr. of Max	18	10	10	10	10	10	09	09	09
Min	.2	.0	.2	.3	.3	.6	-4.0	-4.2	-.43
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/26/2014

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	2.1	3.0	3.9	2.1	4.7	7.3	2.7
01:00	-.06	2.5	4.4	6.4	2.9	6.8	6.8	2.5
02:00	.05	4.4	4.6	6.6	4.8	5.4	8.4	3.3
03:00	.05	4.6	7.1	3.4	4.5	3.8	6.2	3.8
04:00	.01	1.8	1.8	5.3	2.2	3.3	6.8	6.1
05:00	.24	3.4	3.7	4.8	2.5	5.1	9.7	6.2
06:00	.02	1.8	2.7	3.7	2.2	3.8	6.8	4.8
07:00	.03	1.1	3.2	5.5	1.2	4.8	5.9	2.4
08:00	.03	.9	3.4	8.0	1.8	5.5	20.0	13.0
09:00	.63	11.2	11.2	12.4	12.1	13.5	20.0	20.4
10:00	.22	13.7	16.5	16.3	13.8	15.4	12.9	12.0
11:00	.03	17.9	18.1	16.9	12.9	14.3	14.9	14.0
12:00	-.01	14.9	14.7	15.3	16.0	16.6	18.5	15.8
13:00	.22	13.5	15.3	15.6	14.5	16.4	22.8	18.9
14:00	-.11	9.8	12.1	12.1	12.9	12.5	26.2	16.8
15:00	-.30	11.9	14.2	15.1	12.6	14.7	19.6	18.9
16:00	-.43	10.1	13.1	12.6	11.9	13.2	25.8	14.8
17:00	-.21	10.1	10.3	10.8	9.1	12.1	19.5	10.2
18:00	-.11	9.2	15.3	20.6	9.4	14.0	20.5	5.5
19:00	.10	7.1	9.6	14.7	6.7	13.3	17.4	11.0
20:00	.01	1.8	2.1	3.2	2.1	4.1	10.0	10.6
21:00	.02	1.8	2.1	3.7	2.0	2.4	5.9	6.7
22:00	.10	2.7	3.7	3.9	3.5	4.3	9.3	5.9
23:00	.01	4.4	4.1	2.3	3.7	2.6	8.1	11.6
Avg	.03	6.8	8.2	9.3	7.0	8.9	13.7	9.9
Max	.63	17.9	18.1	20.6	16.0	16.6	26.2	20.4
Hr. of Max	09	11	11	18	12	12	14	09
Min	-.43	.9	1.8	2.3	1.2	2.4	5.9	2.4
Count	24	24	24	24	24	24	24	24
Total								