Date Printed: 09/06/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/5/2014

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	21.3	22.0	22.4	23.0	.63	1.10	1.69	.47	1.06
01:00	21.0	21.6	21.9	22.2	.63	.91	1.24	.28	.61
02:00	20.8	21.4	21.6	21.8	.63	.82	1.03	.19	.40
03:00	20.7	21.4	21.5	21.7	.71	.82	.96	.11	.26
04:00	20.5	21.2	21.3	21.4	.69	.84	.97	.15	.28
05:00	20.3	21.0	21.1	21.2	.68	.80	.97	.12	.29
06:00	20.2	20.7	21.0	21.3	.46	.79	1.14	.33	.67
07:00	20.3	20.7	20.9	21.1	.38	.60	.81	.22	.43
08:00	21.6	21.4	21.3	21.3	-.13	-.27	-.25	-.14	-.12
09:00	22.8	22.6	22.4	22.3	-.23	-.45	-.52	-.22	-.29
10:00	23.9	23.6	23.4	23.3	-.27	-.50	-.58	-.22	-.31
11:00	24.5	24.1	23.9	23.9	-.31	-.53	-.59	-.22	-.28
12:00	25.8	25.3	25.1	25.0	-.53	-.76	-.83	-.24	-.30
13:00	27.8	27.1	26.9	26.8	-.65	-.88	-.98	-.23	-.33
14:00	29.2	28.3	28.1	28.1	-.83	-1.07	-1.11	-.24	-.28
15:00	29.0	28.5	28.3	28.2	-.49	-.71	-.79	-.22	-.30
16:00	30.2	29.6	29.3	29.2	-.64	-.90	-1.03	-.26	-.39
17:00	29.2	28.9	28.8	28.8	-.37	-.44	-.38	-.07	-.01
18:00	27.6	27.5	27.7	27.9	-.07	.12	.30	.19	.37
19:00	26.2	26.3	26.8	26.9	.19	.63	.79	.44	.60
20:00	24.7	25.0	25.5	25.9	.31	.79	1.15	.48	.84
21:00	23.9	24.5	24.6	24.9	.60	.77	1.00	.17	.40
22:00	23.3	23.7	23.9	24.3	.43	.66	.99	.23	.56
23:00	22.7	23.2	23.5	23.8	.46	.75	1.01	.28	.55
Avg	24.1	24.2	24.2	24.3	.10	.16	.29	.07	.20
Max	30.2	29.6	29.3	29.2	.71	1.10	1.69	.48	1.06
Hr. of Max	16	16	16	16	03	00	00	20	00
Min	20.2	20.7	20.9	21.1	-.83	-1.07	-1.11	-.26	-.39
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/5/2014

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	19.8	20.4	20.3	26.7	93.2	93.4	17.0	17.7	0.014894
01:00	19.5	20.4	20.0	26.5	93.7	95.0	16.8	17.6	0.014649
02:00	19.5	20.2	19.9	26.3	94.3	95.1	16.7	17.5	0.014607
03:00	19.4	20.2	19.8	26.1	94.4	95.3	16.6	17.5	0.014507
04:00	19.2	20.1	19.6	25.9	94.8	96.0	16.5	17.4	0.014366
05:00	19.0	20.0	19.4	25.7	94.4	96.5	16.3	17.3	0.014142
06:00	19.0	19.8	19.4	25.5	95.2	96.9	16.3	17.1	0.014183
07:00	19.1	19.8	19.5	25.4	94.9	96.7	16.4	17.1	0.014247
08:00	20.1	20.2	20.6	25.2	93.3	94.7	17.3	17.4	0.015123
09:00	20.6	20.4	21.4	25.1	89.8	89.9	17.9	17.7	0.015689
10:00	21.0	20.8	22.0	25.1	86.2	86.3	18.2	18.0	0.016044
11:00	21.1	20.8	22.2	25.2	83.7	83.8	18.3	18.0	0.016137
12:00	21.0	20.5	22.6	25.3	76.8	76.9	18.1	17.6	0.016077
13:00	20.6	20.1	23.0	25.6	66.8	67.2	17.6	17.1	0.015706
14:00	19.9	19.5	23.0	26.0	59.0	60.4	16.8	16.4	0.015051
15:00	20.3	20.1	23.2	26.5	61.3	62.2	17.2	17.0	0.015449
16:00	20.0	19.4	23.4	26.9	56.1	55.8	16.9	16.2	0.015252
17:00	20.9	20.2	23.6	27.2	62.8	61.6	17.8	17.1	0.016055
18:00	22.7	22.2	24.3	27.5	77.4	75.0	20.0	19.3	0.018012
19:00	22.7	22.4	23.8	27.5	83.7	81.2	20.0	19.6	0.017922
20:00	22.3	22.4	23.1	27.5	88.9	88.1	19.7	19.8	0.017498
21:00	21.9	22.2	22.6	27.3	91.4	89.8	19.3	19.6	0.017099
22:00	21.6	22.0	22.2	27.1	92.9	92.6	18.9	19.3	0.016753
23:00	21.3	21.8	21.7	26.9	93.7	94.1	18.6	19.1	0.016358
Avg	20.5	20.7	21.7	26.3	84.1	84.4	17.7	17.9	0.015659
Max	22.7	22.4	24.3	27.5	95.2	96.9	20.0	19.8	0.018012
Hr. of Max	19	20	18	20	06	06	19	20	18
Min	19.0	19.4	19.4	25.1	56.1	55.8	16.3	16.2	0.014142
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/5/2014

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	0.01551	23.2	24.1	.00	29.24	990.2	-2.1	.00	6.7
01:00	0.015437	22.8	24.0	.00	29.23	990.0	-1.8	.00	358.8
02:00	0.015308	22.7	23.8	.00	29.23	989.9	-3.4	.00	37.7
03:00	0.015293	22.6	23.8	.00	29.23	989.8	-3.0	.00	62.6
04:00	0.015188	22.3	23.6	.00	29.23	989.8	-2.3	.00	40.8
05:00	0.015069	22.0	23.4	.00	29.24	990.1	-1.1	.00	284.6
06:00	0.014865	22.1	23.1	.00	29.25	990.5	-1.2	.00	303.5
07:00	0.014863	22.2	23.1	.00	29.26	991.0	13.4	.02	258.7
08:00	0.015227	23.5	23.7	.00	29.28	991.5	96.9	.14	52.3
09:00	0.015486	24.4	24.1	.00	29.29	992.0	189.2	.27	117.1
10:00	0.015808	25.0	24.6	.00	29.30	992.3	208.3	.30	111.6
11:00	0.015847	25.1	24.7	.00	29.30	992.2	208.1	.30	124.1
12:00	0.015584	25.0	24.2	.00	29.28	991.6	575.5	.82	104.2
13:00	0.015206	24.4	23.6	.00	29.25	990.7	746.6	1.07	207.1
14:00	0.014675	23.4	22.8	.00	29.23	989.9	857.7	1.23	177.8
15:00	0.015249	24.0	23.7	.00	29.20	988.9	499.8	.72	51.9
16:00	0.014602	23.6	22.7	.00	29.18	988.1	721.1	1.03	203.8
17:00	0.015412	24.9	23.9	.00	29.17	988.0	247.5	.35	266.8
18:00	0.017377	27.8	26.8	.00	29.17	987.7	85.9	.12	225.9
19:00	0.017566	27.7	27.1	.00	29.17	987.7	18.4	.03	280.7
20:00	0.017644	27.0	27.2	.00	29.17	987.7	-2.3	.00	260.5
21:00	0.017416	26.4	26.9	.00	29.18	988.1	-2.8	.00	286.4
22:00	0.01713	25.9	26.5	.00	29.18	988.3	-2.5	.00	262.4
23:00	0.016891	25.3	26.1	.00	29.19	988.6	-1.6	.00	284.3
Avg	0.015777	24.3	24.5	.00	29.23	989.8	185.2	.27	290.0
Max	0.017644	27.8	27.2	.00	29.30	992.3	857.7	1.23	358.8
Hr. of Max	20	18	20	23	11	10	14	14	01
Min	0.014602	22.0	22.7	.00	29.17	987.7	-3.4	.00	6.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/5/2014

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	54.9	304.4	352.9	302.2	44.5	28.7	44.4	.5	.6
01:00	57.7	70.4	350.2	67.9	41.4	22.6	39.4	.5	.8
02:00	50.9	72.9	34.8	68.6	20.2	11.1	10.2	1.1	2.3
03:00	52.6	78.5	57.1	73.1	42.0	21.0	10.7	.4	1.3
04:00	40.2	50.8	35.0	44.5	24.2	42.9	13.5	.8	1.6
05:00	100.3	91.6	275.9	87.0	38.5	41.8	46.8	.6	.4
06:00	315.7	339.1	293.0	341.1	44.6	29.4	31.3	.4	1.0
07:00	100.5	58.3	265.8	50.5	48.7	40.4	33.0	.3	.4
08:00	43.6	57.6	43.7	52.1	28.8	21.9	12.1	.9	1.7
09:00	72.0	54.2	118.7	51.1	43.3	40.0	36.3	.9	.9
10:00	92.6	92.3	111.2	87.1	19.7	18.1	20.6	2.3	2.5
11:00	110.6	115.8	128.2	111.2	21.5	20.3	21.0	1.6	1.6
12:00	77.5	84.1	108.1	76.2	68.2	63.6	72.8	.9	.9
13:00	203.4	218.1	209.7	217.9	49.2	37.5	31.7	2.5	3.3
14:00	173.5	189.0	180.2	186.7	65.0	62.2	52.4	1.5	1.8
15:00	37.0	44.8	50.9	41.2	51.3	47.8	49.5	.9	.9
16:00	209.1	218.2	205.0	221.2	55.1	60.5	65.0	1.9	2.0
17:00	242.2	242.0	259.9	243.6	30.5	25.1	17.0	1.4	2.1
18:00	182.8	182.2	222.0	183.2	28.0	14.4	9.8	1.2	2.7
19:00	218.0	201.5	274.8	202.7	17.3	12.0	8.3	.7	2.2
20:00	225.6	231.4	257.4	232.9	22.0	10.1	6.3	1.6	2.9
21:00	232.4	223.7	281.6	224.9	27.5	21.7	17.4	1.0	2.2
22:00	235.4	244.7	258.4	245.6	34.0	27.9	10.0	1.1	2.2
23:00	197.2	193.6	279.9	195.8	20.0	38.8	21.5	.9	.9
Avg	117.0	123.0	277.0	114.0	36.9	31.7	28.4	.0	.0
Max	315.7	339.1	352.9	341.1	68.2	63.6	72.8	2.5	3.3
Hr. of Max	06	06	00	06	12	12	12	13	13
Min	37.0	44.8	34.8	41.2	17.3	10.1	6.3	.3	.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)

9/5/2014

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	.5	.7	.9	1.1	.9	1.2	2.1	2.0	.02
01:00	1.2	.6	.8	1.4	.8	1.6	1.8	.8	.04
02:00	2.8	1.3	2.4	2.9	1.5	3.1	.1	.7	-.07
03:00	2.2	.9	1.6	2.3	1.2	2.5	1.5	.9	.00
04:00	2.3	1.1	1.7	2.4	1.3	2.6	2.2	.3	.03
05:00	1.4	1.0	.8	1.6	1.3	1.9	1.2	-.9	.01
06:00	1.4	1.1	1.3	1.5	1.4	1.8	1.0	.8	.02
07:00	.7	.7	1.0	1.0	1.2	1.3	2.3	-.3	.04
08:00	2.1	1.1	1.9	2.3	1.4	2.6	-.4	-.9	-.04
09:00	1.1	1.1	1.3	1.4	1.5	1.8	.9	3.8	.04
10:00	2.6	2.4	2.6	2.8	2.9	3.2	.8	1.8	.03
11:00	1.5	1.7	1.7	1.6	2.2	2.1	5.1	5.8	.18
12:00	.6	1.5	1.6	1.5	2.1	2.2	4.5	14.2	.13
13:00	3.8	3.0	3.7	4.1	3.6	4.7	-.8	-6.8	-.11
14:00	2.1	2.9	3.1	3.4	3.5	4.0	-1.7	-4.0	-.15
15:00	.9	1.7	1.7	1.6	2.2	2.2	-.9	.6	-.11
16:00	2.1	2.9	3.3	3.3	3.7	4.0	1.6	12.7	.09
17:00	2.8	1.6	2.3	3.0	2.1	3.3	1.4	-3.0	-.03
18:00	3.8	1.4	2.7	3.9	1.7	4.0	6.2	1.9	.14
19:00	3.5	1.1	2.4	3.6	1.4	3.8	2.1	-.3	.01
20:00	4.2	1.8	3.0	4.3	2.1	4.6	-1.3	.6	-.07
21:00	3.6	1.3	2.4	3.8	1.5	4.1	-.2	-.1	-.03
22:00	3.5	1.3	2.4	3.6	1.6	3.7	-1.6	.7	-.06
23:00	1.5	1.1	1.0	1.8	1.3	2.0	-.1	-1.9	-.01
Avg	.0	1.5	2.0	2.5	1.9	2.8	1.2	1.2	.00
Max	4.2	3.0	3.7	4.3	3.7	4.7	6.2	14.2	.18
Hr. of Max	20	13	13	20	16	13	18	12	11
Min	.5	.6	.8	1.0	.8	1.2	-1.7	-6.8	-.15
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/5/2014

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	2.7	3.2	4.8	3.1	3.1	9.2	9.5
01:00	.03	2.5	2.3	2.5	2.5	2.6	6.5	4.1
02:00	.02	3.4	4.6	5.3	3.6	5.5	10.2	4.3
03:00	.01	6.2	5.3	6.2	3.8	5.2	11.0	5.6
04:00	-.02	2.7	3.9	4.4	3.1	4.7	8.1	5.7
05:00	-.01	3.4	4.1	4.6	3.5	4.2	9.4	8.1
06:00	.09	3.7	5.0	6.6	3.7	6.8	12.7	8.4
07:00	.00	1.8	2.5	4.8	2.4	5.0	10.2	14.1
08:00	-.05	4.4	5.0	4.8	5.0	5.2	16.5	8.2
09:00	.19	3.2	5.5	5.7	4.4	4.2	24.8	24.1
10:00	.13	6.0	5.7	5.7	6.6	6.0	17.5	18.5
11:00	.25	4.4	5.5	6.9	4.6	4.9	21.6	28.6
12:00	.49	5.5	5.3	6.0	6.3	6.9	29.9	34.8
13:00	-.57	9.2	9.2	9.4	10.0	10.5	26.1	23.3
14:00	-.30	7.6	8.7	8.5	8.2	10.2	26.2	28.2
15:00	.14	7.6	7.8	6.6	8.0	7.1	29.2	33.2
16:00	.83	8.5	9.2	9.6	10.9	10.7	23.6	26.0
17:00	-.24	6.2	6.0	8.2	6.7	7.9	20.4	15.2
18:00	.17	5.0	5.7	6.9	5.5	7.2	15.5	6.9
19:00	-.02	3.7	8.7	11.0	3.8	7.7	11.4	4.1
20:00	.05	3.4	4.8	6.9	4.1	7.0	5.7	2.2
21:00	.03	4.1	7.3	11.2	3.7	6.8	10.0	4.1
22:00	.06	2.7	5.5	8.7	3.1	7.2	7.2	3.9
23:00	-.04	3.4	2.3	4.4	2.9	4.7	7.7	9.0
Avg	.05	4.6	5.5	6.7	5.0	6.3	15.4	13.8
Max	.83	9.2	9.2	11.2	10.9	10.7	29.9	34.8
Hr. of Max	16	13	16	21	16	16	12	12
Min	-.57	1.8	2.3	2.5	2.4	2.6	5.7	2.2
Count	24	24	24	24	24	24	24	24
Total								