Date Printed: 09/09/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/8/2014

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	20.1	20.3	20.3	20.4	.21	.18	.22	-.03	.01
01:00	19.8	20.1	20.0	20.1	.31	.27	.31	-.04	.00
02:00	19.1	19.5	19.6	19.7	.37	.43	.53	.07	.17
03:00	18.8	19.2	19.4	19.5	.40	.62	.80	.22	.39
04:00	18.1	18.3	18.7	18.9	.21	.69	.90	.47	.68
05:00	18.1	18.5	18.7	18.8	.38	.58	.73	.21	.35
06:00	18.3	18.6	18.7	18.8	.28	.31	.42	.03	.14
07:00	18.1	18.4	18.6	18.7	.32	.53	.61	.21	.29
08:00	19.3	19.1	19.1	19.1	-.24	-.28	-.26	-.04	-.02
09:00	21.3	20.9	20.7	20.6	-.38	-.59	-.69	-.22	-.31
10:00	22.5	22.1	21.8	21.7	-.46	-.73	-.85	-.27	-.39
11:00	23.9	23.3	23.0	23.0	-.61	-.84	-.89	-.23	-.28
12:00	24.9 M	24.3 M	24.0 M	24.0 M	-.61 M	-.83 M	-.90 M	-.21 M	-.29 M
13:00	<	<	<	<	<	<	<	<	<
14:00	<	<	<	<	<	<	<	<	<
15:00	<	27.6	<	<	<	<	<	<	<
16:00	<	28.1	27.8	<	<	<	<	-.28	<
17:00	<	28.7	28.4	28.3	<	<	<	-.31	-.43
18:00	28.0	28.2	28.1	28.1	.23	.14	.07	-.10	-.16
19:00	25.3	25.9	26.9	27.2	.65	1.56	1.92	.91	1.27
20:00	23.7	24.5	25.4	25.8	.75	1.64	2.13	.89	1.38
21:00	22.8	23.7	24.3	24.9	.88	1.52	2.14	.64	1.26
22:00	22.1	22.7	23.1	23.9	.60	1.00	1.76	.40	1.16
23:00	21.9	22.5	23.1	23.6	.59	1.14	1.64	.55	1.04
Avg	21.4	22.5	22.4	22.3	.20	.39	.56	.14	.31
Max	28.0	28.7	28.4	28.3	.88	1.64	2.14	.91	1.38
Hr. of Max	18	17	17	17	21	20	21	19	20
Min	18.1	18.3	18.6	18.7	-.61	-.84	-.90	-.31	-.43
Count	19	22	21	20	19	19	19	21	20
Total									

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Daily Summary Report

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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	17.2	17.3	18.2	26.0	85.1	84.7	14.6	14.7	0.012674
01:00	17.2	17.4	18.1	25.7	87.2	86.3	14.6	14.7	0.012702
02:00	17.2	17.3	17.9	25.5	90.4	89.0	14.6	14.7	0.01267
03:00	17.0	17.2	17.6	25.3	91.7	90.4	14.5	14.6	0.012532
04:00	16.7	17.1	17.2	25.0	93.8	94.6	14.2	14.5	0.012277
05:00	16.9	17.3	17.3	24.8	94.3	94.5	14.3	14.7	0.012381
06:00	17.0	17.2	17.4	24.7	93.7	93.4	14.4	14.6	0.012481
07:00	16.7	16.9	17.2	24.5	93.8	93.1	14.2	14.4	0.012257
08:00	17.1	16.8	17.9	24.3	89.0	88.6	14.5	14.3	0.012607
09:00	17.9	17.5	19.1	24.2	82.9	82.7	15.2	14.8	0.013268
10:00	18.2	17.8	19.6	24.2	78.2	78.4	15.4	15.0	0.013478
11:00	18.5	18.0	20.3	24.4	73.8	74.3	15.6	15.2	0.013789
12:00	18.8 M	18.3 M	20.9 M	24.7 M	71.0 M	71.1 M	15.9 M	15.4 M	0.014093 M
13:00	<	<	<	<	<	<	<	<	<
14:00	<	<	<	<	<	<	<	<	<
15:00	<	18.9	<	26.0	60.3	61.1	<	15.9	<
16:00	<	19.2	<	26.4	60.2	60.5	<	16.2	<
17:00	<	18.7	<	26.6	57.2	56.3	<	15.6	<
18:00	19.8	19.1	22.5	26.7	63.0	59.2	16.7	16.0	0.015045
19:00	21.2	20.5	22.5	26.9	80.2	73.8	18.3	17.5	0.016353
20:00	20.8	20.5	21.7	26.8	85.8	80.7	18.0	17.6	0.015927
21:00	20.4	20.9	21.2	26.7	88.6	86.6	17.6	18.1	0.015525
22:00	20.4	21.0	20.9	26.5	92.2	92.7	17.6	18.3	0.015505
23:00	20.3	21.0	20.9	26.3	93.0	93.6	17.6	18.3	0.015474
Avg	18.4	18.5	19.4	25.6	82.1	81.2	15.7	15.7	0.013739
Max	21.2	21.0	22.5	26.9	94.3	94.6	18.3	18.3	0.016353
Hr. of Max	19	23	19	19	05	04	19	23	19
Min	16.7	16.8	17.2	24.2	57.2	56.3	14.2	14.3	0.012257
Count	19	22	19	22	22	22	19	22	19
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/8/2014

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	0.012771	19.7	19.9	.00	29.15	987.1	-3.1	.00	64.1
01:00	0.012811	19.7	19.9	.00	29.13	986.5	-2.2	.00	65.4
02:00	0.012755	19.7	19.8	.00	29.13	986.5	-2.2	.00	40.1
03:00	0.012676	19.5	19.7	.00	29.13	986.5	-2.3	.00	47.0
04:00	0.012549	19.1	19.5	.00	29.13	986.5	-1.9	.00	279.8
05:00	0.012702	19.3	19.7	.00	29.13	986.5	-1.6	.00	28.3
06:00	0.012656	19.4	19.7	.00	29.14	986.9	-1.6	.00	40.8
07:00	0.012414	19.1	19.3	.00	29.15	987.3	24.5	.04	338.6
08:00	0.012359	19.6	19.2	.00	29.16	987.6	154.0	.22	275.6
09:00	0.012936	20.6	20.1	.00	29.17	987.8	267.9	.38	92.2
10:00	0.013132	21.0	20.4	.00	29.18	988.2	393.8	.56	104.7
11:00	0.01337	21.4	20.8	.00	29.18	988.3	489.6	.70	86.7
12:00	0.013597 M	21.9 M	21.1 M	1.38 M	29.18 M	988.1 M	529.8 M	.76 M	232.7 M
13:00	<	<	<	.70 M	<	<	<	<	<
14:00	<	<	<	.80 M	<	<	<	<	<
15:00	0.014227	<	22.0	.00 M	29.11	986.0	650.6	.93	94.5
16:00	0.014525	<	22.5	.00	29.10	985.5	416.2	.60	38.8
17:00	0.01405	<	21.8	.00	29.10	985.5	405.0	.58	<
18:00	0.01437	23.3	22.2	.00	29.09	985.3	185.8	.27	216.1
19:00	0.015647	25.2	24.2	.00	29.09	985.2	32.8	.05	298.3 -
20:00	0.01566	24.6	24.2	.00	29.11	985.7	-2.2	.00	312.9 -
21:00	0.016001	24.0	24.7	.00	29.12	986.2	-2.4	.00	255.3
22:00	0.016159	24.0	25.0	.00	29.13	986.6	-1.2	.00	269.4 -
23:00	0.016151	24.0	25.0	.00	29.15	987.2	-2.6	.00	280.3 -
Avg	0.013796	21.3	21.4	.12	29.13	986.7	160.3	.23	6.0
Max	0.016159	25.2	25.0	1.38	29.18	988.3	650.6	.93	338.6
Hr. of Max	22	19	23	12	12	11	15	15	07
Min	0.012359	19.1	19.2	.00	29.09	985.2	-3.1	.00	28.3
Count	22	19	22	24	22	22	22	22	21
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/8/2014

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	45.0	51.4	62.0	46.7	23.8	15.9	11.6	2.3	4.5
01:00	56.5	62.9	64.0	58.6	39.4	17.4	11.6	1.8	3.5
02:00	42.0	58.5	36.3	53.7	20.3	12.8	9.3	2.0	4.0
03:00	48.7	49.6	46.0	44.9	53.3	15.0	10.2	1.1	2.8
04:00	230.9	203.9	272.7	201.1	24.2	46.0	60.5	1.0	.9
05:00	38.2	58.1	32.8	54.8	10.0	10.2	11.4	1.4	2.2
06:00	37.7	58.2	38.7	53.6	18.4	10.1	7.9	1.9	3.8
07:00	52.3	58.9	329.4	55.5	30.3	19.0	18.8	.4	1.6
08:00	69.0	78.1	277.3	74.2	49.9	51.5	26.3	.1	.5
09:00	62.8	63.9	90.6	60.7	25.6	24.0	23.4	2.7	3.0
10:00	87.8	92.8	102.7	89.2	45.5	34.6	27.7	1.6	1.9
11:00	69.0	83.1	85.9	79.0	59.0	54.3	55.5	1.3	1.4
12:00	206.8 M	221.3 M	233.1 M	224.8 M	65.7 M	60.9 M	64.1 M	.7 M	.7 M
13:00	<	<	<	<	<	<	<	<	<
14:00	<	<	<	<	<	<	<	<	<
15:00	<	<	89.4	<	43.6	<	<	1.7	<
16:00	30.1 -	<	30.1	<	37.7	<	<	1.0	1.4
17:00	162.2 -	150.1	<	149.2	66.4	32.6 -	54.2	.8	1.7
18:00	214.0	210.8	224.9	211.2	28.6	19.5	16.0	1.3	2.0
19:00	251.7	251.7	303.1	251.4	21.6 -	22.1	10.6	.6	1.6
20:00	343.6 -	166.9	317.5	165.4	<	<	33.8	.7	.1
21:00	232.6	226.7	262.6	228.4	16.5	28.6	30.5	1.5	2.5
22:00	232.6	228.5	274.3	228.0	23.7 -	21.4	26.1	.5	1.8
23:00	261.7 -	200.6	285.2	200.1	32.4 -	<	17.0	.9	1.0
Avg	54.0	111.0	2.0	106.0	35.0	27.6	26.3	.0	.0
Max	343.6	251.7	329.4	251.4	66.4	60.9	64.1	2.7	4.5
Hr. of Max	20	19	07	19	17	12	12	09	00
Min	30.1	49.6	30.1	44.9	10.0	10.1	7.9	.1	.1
Count	21	20	21	20	21	18	20	22	21
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/8/2014

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	6.5	2.5	4.7	6.6	2.8	7.0	-4.8	-.2	-.34
01:00	5.2	2.0	3.6	5.4	2.2	5.7	-2.0	-.3	-.15
02:00	5.8	2.2	4.1	5.9	2.3	6.2	-5.3	-2.4	-.28
03:00	4.3	1.3	2.9	4.4	1.6	4.6	.4	.7	-.07
04:00	.2	1.2	1.1	.4	1.5	.7	-.4	.0	-.05
05:00	2.8	1.4	2.3	2.8	1.6	3.1	-1.6	1.0	-.09
06:00	4.7	2.1	3.8	4.8	2.3	5.0	-6.1	-2.9	-.30
07:00	2.2	1.0	1.8	2.3	1.4	2.6	.4	1.7	-.02
08:00	1.2	.9	.6	1.4	1.3	1.7	-3.7	-.4	-.04
09:00	3.3	3.0	3.3	3.6	3.3	4.0	-.2	7.0	-.07
10:00	2.2	1.9	2.2	2.5	2.5	3.0	.7	-6.9	.05
11:00	1.3	1.9	2.0	1.8	2.5	2.4	-1.8	2.2	-.07
12:00	.8 M	1.8 M	1.8 M	1.8 M	2.3 M	2.4 M	-8.6 M	-21.1 M	-.35 M
13:00	<	<	<	<	<	<	<	<	<
14:00	<	<	<	<	<	<	<	<	<
15:00	<	2.4	<	<	3.2	<	-2.2	<	-.14
16:00	<	1.8	2.3	<	2.4	<	4.0	<	.09
17:00	1.6	<	2.3	2.4	2.7	3.1	7.0	11.3	.30
18:00	2.6	1.8	2.5	3.0	2.3	3.4	1.6	2.2	.02
19:00	2.6	.7	1.8	2.7	1.1	3.0	1.7	-.3	.01
20:00	.5	.8	.4	.8	1.3	1.3	1.3	-.5	.03
21:00	2.9	1.5	2.6	2.9	2.1	3.4	-.7	.8	-.06
22:00	2.4	.8	2.0	2.9	1.4	3.3	-.9	1.8	-.02
23:00	1.5	1.2	1.1	1.7	1.7	2.2	.3	-2.0	-.01
Avg	.0	1.6	2.3	3.0	2.1	3.4	-1.0	-.4	-.07
Max	6.5	3.0	4.7	6.6	3.3	7.0	7.0	11.3	.30
Hr. of Max	00	09	00	00	09	00	17	17	17
Min	.2	.7	.4	.4	1.1	.7	-8.6	-21.1	-.35
Count	20	21	21	20	22	20	22	20	22
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/8/2014

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	-.11	7.3	11.7	13.3	8.2	13.8	19.0	9.7
01:00	-.10	6.2	10.5	15.1	6.2	10.6	18.1	8.5
02:00	-.29	4.6	8.7	9.6	5.7	9.6	13.6	6.3
03:00	-.04	6.2	9.6	15.3	6.3	9.8	15.7	6.3
04:00	.01	3.9	3.2	4.6	4.3	2.6	6.9	11.6
05:00	.02	3.9	5.0	6.0	3.9	6.5	7.8	5.8
06:00	-.25	6.2	7.6	11.0	4.6	7.4	13.2	4.3
07:00	.01	3.9	6.4	8.2	3.6	7.4	11.5	9.3
08:00	.05	5.5	4.6	5.3	6.2	5.8	21.1	19.8
09:00	.39	7.8	8.7	9.6	9.2	9.9	18.7	20.3
10:00	-.31	7.3	6.4	8.9	6.9	7.0	29.8	28.0
11:00	.00	5.5	6.0	5.7	6.9	6.8	27.7	33.8
12:00	-.92 M	<	<	<	<	<	<	<
13:00	<	<	<	<	<	<	<	<
14:00	<	<	<	<	<	<	<	<
15:00	<	7.3	<	<	8.1	<	24.0	<
16:00	<	6.4	9.4	<	6.0	<	24.6	<
17:00	.73	<	6.6	6.9	6.3	7.1	27.2	28.0
18:00	.05	5.3	6.2	6.9	6.9	7.6	14.9	11.1
19:00	-.02	2.1	5.5	7.3	2.8	5.5	12.6	3.0
20:00	.00	2.1	2.3	3.4	2.3	3.8	8.2	7.2
21:00	.08	3.7	5.5	5.7	4.7	6.2	6.1	3.9
22:00	.13	5.7	10.1	11.2	5.8	9.1	11.7	6.2
23:00	-.05	3.4	4.4	5.0	4.1	5.5	7.6	9.2
Avg	-.03	5.2	6.9	8.4	5.7	7.5	16.2	12.2
Max	.73	7.8	11.7	15.3	9.2	13.8	29.8	33.8
Hr. of Max	17	09	00	03	09	00	10	11
Min	-.92	2.1	2.3	3.4	2.3	2.6	6.1	3.0
Count	20	20	20	19	21	19	21	19
Total								