Date Printed: 12/08/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

12/7/2014

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	6.2	6.2	6.1	6.0	-.01	-.18	-.26	-.17	-.25
01:00	6.0	6.0	5.8	5.7	.01	-.15	-.23	-.16	-.24
02:00	5.6	5.6	5.4	5.3	.01	-.15	-.24	-.16	-.25
03:00	5.0	5.1	5.0	4.9	.10	-.03	-.10	-.13	-.20
04:00	4.3	4.8	4.7	4.7	.43	.39	.40	-.04	-.04
05:00	4.0	4.5	4.4	4.4	.46	.44	.44	-.02	-.02
06:00	3.7	4.0	4.0	4.0	.34	.30	.28	-.05	-.07
07:00	4.0	4.1	4.0	4.0	.14	.03	-.02	-.11	-.16
08:00	4.4	4.4	4.2	4.1	-.03	-.22	-.32	-.19	-.28
09:00	4.8	4.6	4.4	4.2	-.19	-.43	-.57	-.24	-.38
10:00	5.7	5.3	4.9	4.7	-.43	-.78	-.96	-.34	-.53
11:00	6.6	6.0	5.6	5.3	-.66	-1.07	-1.32	-.41	-.66
12:00	8.0	7.2	6.7	6.5	-.75	-1.23	-1.51	-.47	-.76
13:00	8.8	8.1	7.7	7.4	-.68	-1.10	-1.36	-.43	-.68
14:00	9.5	8.9	8.5	8.2	-.64	-1.03	-1.30	-.39	-.66
15:00	9.9	9.4	9.1	8.8	-.47	-.83	-1.04	-.35	-.56
16:00	9.4	9.4	9.3	9.2	.07	-.08	-.16	-.15	-.23
17:00	7.1	8.5	8.6	8.7	1.37	1.50	1.59	.13	.22
18:00	4.7	7.5	7.7	7.9	2.78	2.96	3.16	.18	.38
19:00	3.7	6.5	7.0	7.2	2.76	3.28	3.55	.52	.79
20:00	3.0	5.9	6.4	6.7	2.87	3.39	3.66	.52	.78
21:00	3.1	5.5	6.0	6.7	2.36	2.84	3.59	.48	1.23
22:00	3.6	5.3	5.8	6.5	1.66	2.22	2.92	.56	1.26
23:00	2.4	4.9	5.5	6.0	2.59	3.10	3.62	.51	1.03
Avg	5.6	6.2	6.1	6.1	.59	.55	.58	-.04	-.01
Max	9.9	9.4	9.3	9.2	2.87	3.39	3.66	.56	1.26
Hr. of Max	15	16	16	16	20	20	20	22	22
Min	2.4	4.0	4.0	4.0	-.75	-1.23	-1.51	-.47	-.76
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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12/7/2014

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	2.3	2.1	3.6	11.1	76.4	75.4	5.6	5.5	0.004529
01:00	1.5	1.3	3.0	10.9	73.7	72.4	5.3	5.2	0.004289
02:00	1.0	.8	2.5	10.8	73.1	71.7	5.1	5.0	0.00413
03:00	.4	.3	1.9	10.6	72.8	71.6	4.9	4.9	0.003954
04:00	.2	.1	1.6	10.4	75.2	72.5	4.9	4.8	0.003897
05:00	.0	-.2	1.3	10.2	75.6	72.4	4.8	4.7	0.003831
06:00	-.6	-.7	.8	9.9	74.1	71.6	4.6	4.5	0.003669
07:00	-.6	-.9	.9	9.7	72.5	70.5	4.6	4.5	0.003662
08:00	-.8	-1.2	.9	9.4	69.2	67.6	4.5	4.4	0.003608
09:00	-1.1	-1.6	.8	9.3	65.9	64.6	4.4	4.3	0.003527
10:00	-.8	-1.3	1.4	9.2	63.5	62.9	4.5	4.3	0.003618
11:00	-1.1	-1.7	1.5	9.2	58.4	58.5	4.4	4.2	0.003552
12:00	-1.1	-1.7	1.9	9.2	53.2	53.8	4.4	4.2	0.00355
13:00	-1.2	-1.4	2.2	9.2	50.2	51.5	4.4	4.3	0.003549
14:00	-.9	-1.3	2.5	9.2	48.7	49.4	4.4	4.3	0.003616
15:00	-1.0	-1.3	2.6	9.3	47.1	47.6	4.4	4.3	0.003591
16:00	-1.0	-1.4	2.4	9.3	48.8	47.4	4.4	4.3	0.003583
17:00	-.2	-1.0	2.2	9.3	60.2	51.9	4.7	4.4	0.003797
18:00	.6	-.5	2.0	9.3	75.3	57.2	5.0	4.6	0.004019
19:00	.7	-.5	1.7	9.3	81.6	61.7	5.1	4.6	0.004054
20:00	.6	-.4	1.4	9.1	84.7	64.6	5.0	4.6	0.004016
21:00	.3	-.1	1.3	9.0	82.6	68.1	4.9	4.7	0.003943
22:00	.3	-.2	1.4	8.9	79.3	68.3	4.9	4.7	0.003927
23:00	.2	-.3	1.0	8.8	86.6	69.2	4.9	4.7	0.003916
Avg	-.1	-.5	1.8	9.6	68.7	63.4	4.8	4.6	0.003826
Max	2.3	2.1	3.6	11.1	86.6	75.4	5.6	5.5	0.004529
Hr. of Max	00	00	00	00	23	00	00	00	00
Min	-1.2	-1.7	.8	8.8	47.1	47.4	4.4	4.2	0.003527
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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12/7/2014

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	0.004468	7.2	7.1	.00	29.46	997.6	-2.1	.00	51.4
01:00	0.004216	6.8	6.7	.00	29.48	998.3	-2.5	.00	41.3
02:00	0.004055	6.6	6.5	.00	29.49	998.8	-2.0	.00	30.0
03:00	0.003921	6.3	6.3	.00	29.49	998.7	-2.5	.00	16.9
04:00	0.003874	6.2	6.2	.00	29.49	998.6	-2.2	.00	42.5
05:00	0.00379	6.1	6.0	.00	29.48	998.5	-1.9	.00	36.2
06:00	0.003636	5.9	5.8	.00	29.50	999.0	-2.1	.00	37.5
07:00	0.003597	5.9	5.7	.00	29.52	999.7	1.7	.00	43.5
08:00	0.00352	5.8	5.6	.00	29.54	1000.3	38.8	.06	54.5
09:00	0.003415	5.6	5.5	.00	29.54	1000.5	140.3	.20	41.7
10:00	0.003476	5.8	5.6	.00	29.54	1000.4	262.0	.38	55.7
11:00	0.0034	5.7	5.4	.00	29.52	999.9	470.0	.67	69.5
12:00	0.003411	5.7	5.4	.00	29.50	998.9	555.3	.80	63.7
13:00	0.003472	5.7	5.5	.00	29.46	997.7	461.4	.66	58.4
14:00	0.003508	5.8	5.6	.00	29.43	996.6	429.3	.62	67.7
15:00	0.003514	5.7	5.6	.00	29.42	996.2	306.9	.44	55.7
16:00	0.003498	5.7	5.6	.00	29.42	996.3	120.5	.17	42.9
17:00	0.0036	6.0	5.7	.00	29.42	996.3	2.3	.00	53.2
18:00	0.003707	6.4	5.9	.00	29.42	996.4	-2.2	.00	36.9
19:00	0.003717	6.5	5.9	.00	29.42	996.5	-2.3	.00	46.2
20:00	0.003748	6.4	6.0	.00	29.41	996.1	-2.4	.00	51.0
21:00	0.003837	6.3	6.1	.00	29.40	995.6	-2.2	.00	63.0
22:00	0.003801	6.2	6.0	.00	29.39	995.3	-2.4	.00	67.3
23:00	0.003758	6.2	6.0	.00	29.39	995.2	-1.9	.00	28.8
Avg	0.003706	6.1	5.9	.00	29.46	997.8	115.0	.17	48.0
Max	0.004468	7.2	7.1	.00	29.54	1000.5	555.3	.80	69.5
Hr. of Max	00	00	00	23	10	09	12	12	11
Min	0.0034	5.6	5.4	.00	29.39	995.2	-2.5	.00	16.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/7/2014

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	48.8	47.9	53.1	44.0	29.6	15.0	11.2	4.0	8.3
01:00	40.4	38.3	41.8	34.1	35.2	16.7	12.6	4.3	8.8
02:00	32.4	31.9	32.5	27.8	32.9	17.6	13.9	4.4	8.9
03:00	18.4	17.0	17.8	12.6	35.4	19.3	18.9	4.8	9.1
04:00	36.4	30.9	43.8	26.9	32.3	17.5	14.5	3.1	6.4
05:00	34.1	31.4	39.4	27.0	31.2	16.8	13.3	4.1	8.5
06:00	35.4	33.5	38.6 +	29.2	33.5	17.8	13.2	4.5	9.5
07:00	44.0	42.8	47.8	39.1	37.2	18.8	12.8	3.6	7.6
08:00	51.1	52.4	55.4	48.7	29.7	19.0	13.1	4.6	8.7
09:00	44.2	44.0	40.8	38.7	31.7	16.5	12.4	6.1	12.0
10:00	50.5	51.1	56.1	46.4	29.8	18.0	12.8	5.3	9.8
11:00	64.7	63.8	71.0	59.6	29.5	21.2	15.9	6.4	9.6
12:00	57.3	57.5	65.8	53.4	35.9	28.8	19.7	4.5	6.3
13:00	49.6	48.3	60.5	44.3	36.4	28.5	23.3	4.4	6.3
14:00	65.6	62.9	67.4	58.6	30.3	24.4	19.8	5.2	7.2
15:00	55.6	53.2	56.5	48.3	35.1	23.9	17.6	4.3	7.5
16:00	45.8	46.4	46.2	41.4	30.7	17.1	13.9	3.4	6.7
17:00	56.2	56.6	53.7	51.9	26.1	10.7	7.5	2.0	5.2
18:00	60.9	75.2	37.2	70.9	14.3	10.0	8.7	1.7	3.9
19:00	53.7	63.7	48.5	59.3	15.1	5.8	5.3	1.2	4.0
20:00	51.8	55.1	54.1	50.4	13.1	6.9	4.8	1.2	4.3
21:00	63.7	61.1	66.3	56.5	23.5	9.4	5.0	1.7	4.9
22:00	63.4	64.1	70.6	59.5	24.4	9.4	4.5	1.3	4.8
23:00	53.0	62.4	34.9	58.1	42.7	9.7	6.1	1.0	3.0
Avg	49.0	49.0	50.0	45.0	29.8	16.6	12.5	.0	.0
Max	65.6	75.2	71.0	70.9	42.7	28.8	23.3	6.4	12.0
Hr. of Max	14	18	11	18	23	12	13	11	09
Min	18.4	17.0	17.8	12.6	13.1	5.8	4.5	1.0	3.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/7/2014

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	10.4	4.5	8.6	10.6	5.0	11.3	1.2	-1.9	-.23
01:00	10.8	4.9	9.1	11.1	5.6	11.8	.2	-2.7	-.36
02:00	11.0	5.1	9.4	11.5	6.0	12.2	-.4	.3	-.43
03:00	11.1	5.5	9.6	11.7	6.4	12.4	.0	.4	-.45
04:00	8.4	3.6	6.7	8.8	3.9	9.5	2.5	.2	-.05
05:00	10.8	4.6	8.8	11.1	5.3	11.8	-3.1	-.1	-.57
06:00	12.3	5.1	9.9	12.6	5.8	13.4	-.7	.0	-.43
07:00	10.0	4.1	8.0	10.2	4.7	10.9	.2	.2	-.24
08:00	11.2	5.1	9.1	11.5	5.6	12.2	1.5	1.2	-.17
09:00	14.6	6.8	12.5	15.0	7.5	15.8	-.1	-1.0	-.54
10:00	12.4	5.9	10.2	12.7	6.7	13.4	.2	1.0	-.33
11:00	11.9	7.1	10.3	12.4	8.1	13.1	-.4	2.3	-.23
12:00	7.9	5.2	6.9	8.3	5.9	9.0	-.5	2.5	-.22
13:00	7.6	5.4	7.1	8.3	6.2	9.1	1.2	3.7	-.12
14:00	8.9	5.8	7.8	9.3	6.7	10.1	-.5	2.2	-.20
15:00	9.6	4.9	8.0	10.0	5.6	10.7	2.0	.4	-.08
16:00	8.2	3.7	7.0	8.4	4.1	9.0	-1.0	.6	-.30
17:00	7.2	2.1	5.3	7.3	2.5	7.7	-2.1	-.1	-.18
18:00	5.7	1.8	3.9	5.8	2.1	6.3	-.5	.2	-.04
19:00	5.6	1.2	4.0	5.6	1.5	6.0	.5	-1.0	-.02
20:00	6.4	1.2	4.4	6.5	1.5	6.9	.2	-1.1	-.03
21:00	7.9	1.8	4.9	7.9	2.1	8.3	-.3	-1.0	-.05
22:00	8.8	1.4	4.9	8.9	1.7	9.3	1.1	-.8	.00
23:00	4.5	1.0	3.0	4.5	1.3	4.9	.8	-.2	-.03
Avg	.0	4.1	7.5	9.6	4.7	10.2	.1	.2	-.22
Max	14.6	7.1	12.5	15.0	8.1	15.8	2.5	3.7	.00
Hr. of Max	09	11	09	09	11	09	04	13	22
Min	4.5	1.0	3.0	4.5	1.3	4.9	-3.1	-2.7	-.57
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/7/2014

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	-.43	14.0	17.9	20.6	15.4	20.2	21.8	8.8
01:00	-.67	14.9	19.7	22.7	16.7	22.8	22.7	9.7
02:00	-.09	18.1	22.2	24.7	20.2	25.4	20.8	9.9
03:00	-.07	22.4	24.5	38.5	19.1	25.3	21.2	11.2
04:00	-.09	15.6	17.4	19.9	15.0	23.2	22.6	10.4
05:00	-.20	15.1	22.0	23.6	18.5	21.6	19.4	10.4
06:00	-.17	16.5	19.0	26.1	19.1	26.3	21.6	10.1
07:00	-.11	15.3	24.7	29.1	15.4	20.4	23.4	9.8
08:00	.07	19.9	23.1	25.2	18.4	25.8	22.0	11.2
09:00	-.49	20.4	26.3	25.4	22.6	27.2	22.9	9.2
10:00	-.05	19.9	28.2	28.9	25.0	28.0	21.1	11.3
11:00	.32	18.1	19.9	21.1	19.3	25.7	18.1	11.7
12:00	.17	22.7	27.0	30.9	15.1	21.0	20.2	15.8
13:00	.29	14.9	17.6	17.4	16.2	19.4	21.6	16.6
14:00	.15	16.0	16.0	19.9	16.3	19.4	19.0	14.3
15:00	-.19	15.1	17.4	32.1	17.1	19.1	22.2	12.6
16:00	-.06	13.5	14.2	15.3	12.1	17.1	21.0	10.1
17:00	-.04	7.3	17.2	18.5	9.8	14.1	15.8	5.1
18:00	.00	5.7	11.7	16.3	6.5	10.3	10.2	5.8
19:00	-.11	4.8	7.6	8.9	3.8	8.3	10.5	3.3
20:00	-.14	4.1	8.5	11.9	4.5	10.0	11.6	3.3
21:00	-.15	4.8	8.7	12.8	5.7	12.4	12.2	2.8
22:00	-.14	4.1	12.4	17.6	5.1	12.0	13.2	3.0
23:00	-.03	4.4	13.1	18.3	4.3	10.6	10.7	3.2
Avg	-.09	13.7	18.2	21.9	14.2	19.4	18.6	9.2
Max	.32	22.7	28.2	38.5	25.0	28.0	23.4	16.6
Hr. of Max	11	12	10	03	10	10	07	13
Min	-.67	4.1	7.6	8.9	3.8	8.3	10.2	2.8
Count	24	24	24	24	24	24	24	24
Total								