Date Printed: 12/15/2014 07:53

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

Daily Summary Report

Site: Tower "D" (1000 Area)

12/14/2014

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	-2.8	-1.3	-.9	.1	1.52	1.88	2.92	.36	1.40
01:00	-3.4	-2.0	-1.4	-.5	1.37	1.98	2.90	.61	1.53
02:00	-3.4	-2.3	-2.1	-1.7	1.06	1.32	1.70	.26	.64
03:00	-2.8	-2.5	-2.3	-1.9	.29	.52	.85	.23	.56
04:00	-3.0	-2.8	-2.5	-1.7	.14	.42	1.25	.28	1.11
05:00	-3.7	-3.2	-2.8	-1.4	.52	.95	2.32	.43	1.80
06:00	-3.1	-2.5	-1.9	-.8	.61	1.26	2.30	.64	1.69
07:00	-2.2	-1.1	-.7	-.4	1.09	1.46	1.79	.38	.71
08:00	-1.2	-.3	-.1	.2	.90	1.07	1.38	.17	.47
09:00	.9	.8	.5	.8	-.04	-.33	-.05	-.29	-.01
10:00	2.4	1.9	1.5	1.7	-.51	-.92	-.76	-.40	-.25
11:00	3.5	3.2	2.4	2.8	-.37	-1.17	-.74	-.79	-.36
12:00	4.6	4.2	3.6	3.7	-.34	-.98	-.83	-.64	-.49
13:00	5.3	4.8	4.5	4.3	-.48	-.80	-.99	-.32	-.50
14:00	6.2	5.6	5.3	5.1	-.56	-.85	-1.05	-.29	-.49
15:00	6.5	6.1	5.8	5.6	-.35	-.65	-.82	-.30	-.48
16:00	5.5	5.4	5.2	5.1	-.03	-.24	-.36	-.21	-.33
17:00	3.4	4.1	4.0	3.9	.66	.57	.48	-.10	-.18
18:00	1.6	2.8	3.0	3.0	1.28	1.41	1.42	.13	.14
19:00	-.4	1.9	2.4	2.6	2.32	2.72	2.95	.40	.63
20:00	-1.2	1.5	2.0	2.3	2.66	3.12	3.50	.46	.85
21:00	-1.3	1.8	2.4	2.6	3.11	3.68	3.86	.57	.75
22:00	-2.0	1.3	1.8	2.0	3.30	3.75	4.01	.46	.71
23:00	-2.2	.3	1.2	1.5	2.48	3.37	3.66	.88	1.17
Avg	.3	1.2	1.3	1.6	.86	.98	1.32	.12	.46
Max	6.5	6.1	5.8	5.6	3.30	3.75	4.01	.88	1.80
Hr. of Max	15	15	15	15	22	22	22	23	05
Min	-3.7	-3.2	-2.8	-1.9	-.56	-1.17	-1.05	-.79	-.50
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/14/2014

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	-4.0	-2.3	-3.6	5.2	91.5	93.2	3.6	4.1	0.002853
01:00	-4.7	-3.0	-4.3	5.1	91.0	93.2	3.5	3.9	0.002714
02:00	-4.7	-3.3	-4.3	5.0	91.3	93.8	3.5	3.8	0.002717
03:00	-3.8	-3.3	-3.5	4.9	93.1	94.7	3.7	3.8	0.002901
04:00	-3.9	-3.6	-3.6	4.8	93.5	94.8	3.7	3.8	0.002879
05:00	-4.9	-4.1	-4.5	4.8	91.9	94.2	3.4	3.6	0.002669
06:00	-4.4	-3.6	-4.0	4.7	91.3	93.0	3.5	3.8	0.002776
07:00	-3.4	-2.2	-3.0	4.6	91.7	92.8	3.8	4.1	0.00299
08:00	-2.4	-1.7	-2.0	4.6	92.3	90.9	4.1	4.3	0.003237
09:00	-.5	-.8	-.1	4.6	90.9	89.2	4.6	4.6	0.003706
10:00	-.4	-.9	.5	4.6	82.0	82.2	4.7	4.5	0.003738
11:00	-.3	-.6	1.0	4.7	76.8	77.0	4.7	4.6	0.003788
12:00	-.5	-.8	1.2	4.9	69.9	70.5	4.6	4.5	0.003714
13:00	-.5	-.7	1.5	5.1	67.0	68.1	4.6	4.5	0.003742
14:00	-.1	-.3	2.0	5.3	64.5	66.0	4.7	4.6	0.003837
15:00	-.1	-.1	2.1	5.6	63.5	64.9	4.7	4.7	0.00385
16:00	-.4	-.4	1.6	5.8	66.5	66.6	4.6	4.6	0.003766
17:00	-.9	-.7	.6	5.8	74.0	71.4	4.5	4.5	0.003631
18:00	-1.3	-.8	-.3	5.8	81.9	77.2	4.4	4.5	0.003518
19:00	-2.1	-.9	-1.5	5.8	88.4	81.8	4.2	4.5	0.003305
20:00	-2.6	-1.1	-2.1	5.7	90.3	83.6	4.0	4.5	0.003187
21:00	-2.5	-.8	-2.1	5.5	91.5	83.2	4.0	4.5	0.003204
22:00	-3.2	-1.1	-2.8	5.4	92.1	84.7	3.9	4.5	0.003061
23:00	-3.3	-1.5	-2.9	5.3	92.6	88.3	3.8	4.3	0.003031
Avg	-2.3	-1.6	-1.4	5.2	84.1	83.1	4.1	4.3	0.003284
Max	-.1	-.1	2.1	5.8	93.5	94.8	4.7	4.7	0.00385
Hr. of Max	15	15	15	19	04	04	15	15	15
Min	-4.9	-4.1	-4.5	4.6	63.5	64.9	3.4	3.6	0.002669
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/14/2014

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	0.003252	4.5	5.2	.00	29.30	992.3	-2.6	.00	53.2
01:00	0.003079	4.3	4.9	.00	29.30	992.1	-2.7	.00	236.5
02:00	0.00302	4.3	4.8	.00	29.30	992.1	-2.3	.00	11.5
03:00	0.003016	4.6	4.8	.00	29.29	992.0	-2.1	.00	29.8
04:00	0.00295	4.6	4.7	.00	29.29	991.9	-2.3	.00	269.1
05:00	0.002844	4.2	4.5	.00	29.29	992.0	-2.1	.00	313.4
06:00	0.00296	4.4	4.7	.00	29.30	992.3	-2.3	.00	44.6
07:00	0.00328	4.7	5.2	.00	29.30	992.4	-1.1	.00	77.7
08:00	0.003405	5.1	5.4	.00	29.31	992.5	18.5	.03	64.9
09:00	0.003626	5.9	5.8	.00	29.32	992.8	81.4	.12	69.5
10:00	0.003614	5.9	5.7	.00	29.33	993.2	126.1	.18	53.2
11:00	0.003697	6.0	5.9	.00	29.32	993.1	157.0	.23	59.9
12:00	0.003655	5.9	5.8	.00	29.30	992.2	185.5	.27	54.6
13:00	0.003679	5.9	5.8	.00	29.28	991.4	255.9	.37	71.7
14:00	0.003776	6.1	6.0	.00	29.26	990.9	289.0	.41	88.7
15:00	0.003842	6.1	6.1	.00	29.25	990.7	201.4	.29	79.3
16:00	0.003765	6.0	6.0	.00	29.25	990.5	94.6	.14	99.9
17:00	0.003674	5.7	5.8	.00	29.25	990.4	5.0	.01	101.2
18:00	0.003635	5.6	5.8	.00	29.24	990.2	-2.2	.00	88.3
19:00	0.003612	5.2	5.7	.00	29.23	990.1	-2.4	.00	19.8
20:00	0.003575	5.0	5.7	.00	29.22	989.7	-2.2	.00	38.7
21:00	0.00365	5.1	5.8	.00	29.22	989.5	-2.4	.00	41.0
22:00	0.00358	4.8	5.7	.00	29.21	989.0	-2.4	.00	44.9
23:00	0.003467	4.8	5.5	.00	29.20	989.0	-2.6	.00	324.9
Avg	0.003444	5.2	5.5	.00	29.27	991.3	57.6	.09	51.0
Max	0.003842	6.1	6.1	.00	29.33	993.2	289.0	.41	324.9
Hr. of Max	15	15	15	23	10	10	14	14	23
Min	0.002844	4.2	4.5	.00	29.20	989.0	-2.7	.00	11.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

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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	51.0	58.0	51.0	54.5	29.3	9.9	4.1	.7	1.3
01:00	211.6	79.9	244.8	77.0	32.0	32.5	16.1	.4	.2
02:00	355.4	120.8	348.0	119.1	49.8	40.7	20.3	.5	.4
03:00	46.9	62.8	23.0	58.6	18.9	9.2	4.5	.9	2.5
04:00	48.1	62.7	270.2	49.8	19.1	43.5	24.0	.9	.1
05:00	119.2	43.1	309.1	30.6	24.4	24.6	33.4	.1	.0
06:00	48.1	67.6	11.1	63.2	21.7	8.4	5.2	.3	2.2
07:00	47.2	54.5	73.6	49.7	25.4	8.8	7.8	.5	2.5
08:00	57.7	54.2	51.4	49.6	34.6	11.7	7.1	.5	2.4
09:00	52.2	51.1	73.0	46.5	38.9	21.4	13.7	1.0	2.8
10:00	53.6	54.1	52.6	49.4	39.5	26.7	18.4	1.7	2.9
11:00	57.1	57.6	64.5	53.6	39.6	27.1	20.5	2.2	3.1
12:00	47.5	46.1	58.2	42.0	43.4	30.8	22.3	2.5	4.0
13:00	67.1	65.2	71.9	60.7	29.5	23.7	17.4	4.1	5.3
14:00	82.2	78.3	89.7	74.2	21.4	19.9	17.5	4.2	4.8
15:00	79.0	77.2	80.7	72.9	21.5	16.6	12.5	6.1	8.0
16:00	101.7	99.7	102.1	95.5	18.2	14.8	12.4	5.8	7.1
17:00	106.0	103.6	103.6	98.8	16.8	13.9	14.0	3.3	4.3
18:00	94.7	90.1	93.3	85.6	22.6	10.6	10.3	1.9	4.5
19:00	76.4	79.2	15.0	74.9	44.2	12.8	6.9	.9	3.1
20:00	62.9	75.5	40.1	71.2	17.9	11.4	9.3	1.5	4.0
21:00	63.3	71.4	42.7	67.2	46.4	6.2	5.8	1.1	4.0
22:00	56.0	63.9	45.2	59.6	16.8	7.3	6.0	1.4	4.4
23:00	54.5	67.6	322.4	63.7	54.0	10.4	7.9	.4	2.2
Avg	65.0	69.0	47.0	65.0	30.2	18.5	13.2	.0	.0
Max	355.4	120.8	348.0	119.1	54.0	43.5	33.4	6.1	8.0
Hr. of Max	02	02	02	02	23	04	05	15	15
Min	46.9	43.1	11.1	30.6	16.8	6.2	4.1	.1	.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/14/2014

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	2.3	.7	1.3	2.3	1.1	2.9	2.2	1.2	.04
01:00	.3	.5	.2	.3	1.2	1.0	1.4	-.5	.03
02:00	.7	.8	.6	.9	1.2	1.6	1.1	-1.3	.01
03:00	3.5	.9	2.5	3.5	1.3	4.0	-4.6	-1.4	-.14
04:00	1.1	1.0	.7	1.1	1.5	1.6	-.8	1.2	-.02
05:00	1.6	.2	.4	1.7	.7	2.2	2.3	-.7	.03
06:00	4.1	.3	2.2	4.1	.7	4.6	1.6	.2	.02
07:00	4.4	.5	2.6	4.5	1.0	5.0	2.6	-.1	.05
08:00	4.5	.5	2.5	4.6	1.0	5.0	.8	-.3	-.01
09:00	4.5	1.2	3.0	4.6	1.8	5.2	3.8	2.2	.06
10:00	3.8	2.0	3.1	3.9	2.7	4.6	1.8	3.3	-.02
11:00	3.8	2.5	3.4	4.1	3.1	4.7	2.1	3.4	-.02
12:00	4.9	3.0	4.4	5.2	3.6	5.9	3.2	2.3	.03
13:00	6.2	4.5	5.7	6.5	5.2	7.1	-.5	.2	-.17
14:00	5.4	4.4	5.1	5.6	5.0	6.2	.3	2.4	-.05
15:00	9.3	6.4	8.3	9.5	7.1	10.1	1.3	.0	-.03
16:00	7.9	6.1	7.4	8.1	6.9	8.7	2.3	2.4	.22
17:00	4.8	3.4	4.5	4.9	4.0	5.5	4.7	5.9	.30
18:00	5.8	2.0	4.6	5.9	2.6	6.4	3.4	2.1	.14
19:00	5.4	1.0	3.2	5.5	1.4	5.9	1.1	-.3	.00
20:00	6.0	1.5	4.2	6.2	1.8	6.7	-.1	.7	-.05
21:00	5.2	1.3	4.0	5.3	1.6	5.7	1.7	-.9	.00
22:00	5.9	1.5	4.4	5.9	1.8	6.4	.7	-.9	-.02
23:00	4.0	.8	2.2	4.1	1.2	4.6	.9	.2	.00
Avg	.0	2.0	3.4	4.5	2.5	5.1	1.4	.9	.02
Max	9.3	6.4	8.3	9.5	7.1	10.1	4.7	5.9	.30
Hr. of Max	15	15	15	15	15	15	17	17	17
Min	.3	.2	.2	.3	.7	1.0	-4.6	-1.4	-.17
Count	24	24	24	24	24	24	24	24	24
Total									

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12/14/2014

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	3.9	2.3	4.1	2.5	4.7	6.4	3.1
01:00	-.01	1.6	1.1	3.0	2.3	2.1	5.6	7.6
02:00	-.04	2.3	2.3	2.7	2.9	3.5	7.1	12.0
03:00	-.11	2.7	4.6	4.8	3.1	5.3	12.1	2.8
04:00	.02	2.3	3.0	6.4	3.3	4.4	7.8	10.6
05:00	-.01	3.2	2.1	3.9	2.5	4.3	6.8	5.9
06:00	.01	1.1	3.9	7.3	2.0	6.2	7.1	3.0
07:00	-.02	3.2	5.0	8.5	3.7	8.8	9.7	5.1
08:00	-.03	3.4	5.0	8.2	3.3	8.1	13.0	4.5
09:00	.13	7.1	8.0	11.9	7.2	9.7	23.0	10.3
10:00	.10	6.0	8.2	16.5	8.2	10.3	24.0	17.5
11:00	.20	8.9	12.4	12.4	10.3	13.9	23.3	17.2
12:00	.11	9.8	14.2	15.8	10.4	12.9	23.5	17.6
13:00	-.05	10.8	12.6	14.2	11.7	15.0	18.1	13.9
14:00	.13	13.1	13.1	11.9	12.4	12.6	15.1	15.6
15:00	-.06	14.2	19.0	16.0	15.5	16.6	16.1	9.9
16:00	.30	12.6	13.5	18.5	13.1	16.1	11.2	10.2
17:00	.49	9.2	12.6	11.0	9.8	10.4	12.9	11.9
18:00	.18	7.6	9.2	15.3	7.4	11.1	16.5	8.0
19:00	-.06	3.7	7.8	9.6	4.3	9.9	12.4	4.7
20:00	.07	5.0	8.7	11.7	5.7	11.1	11.8	5.9
21:00	-.10	6.9	11.4	14.9	4.9	11.9	11.9	4.2
22:00	-.10	3.9	7.6	10.1	5.2	11.1	13.5	4.1
23:00	.00	3.2	4.6	7.3	3.6	7.8	8.2	5.4
Avg	.05	6.1	8.0	10.3	6.5	9.5	13.2	8.8
Max	.49	14.2	19.0	18.5	15.5	16.6	24.0	17.6
Hr. of Max	17	15	15	16	15	15	10	12
Min	-.11	1.1	1.1	2.7	2.0	2.1	5.6	2.8
Count	24	24	24	24	24	24	24	24
Total								