Date Printed: 12/06/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

12/5/2014

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	10.0	10.2	10.1	10.1	.20	.10	.10	-.11	-.10
01:00	9.9	10.2	10.1	10.1	.27	.23	.26	-.04	-.02
02:00	10.0	10.1	10.1	10.0	.19	.10	.09	-.09	-.10
03:00	9.3	10.0	9.9	10.0	.63	.61	.62	-.02	.00
04:00	9.2	9.9	9.9	10.0	.72	.68	.77	-.04	.06
05:00	9.5	9.9	9.9	10.0	.38	.39	.46	.02	.09
06:00	9.7	9.9	9.9	9.9	.23	.23	.24	.01	.02
07:00	9.8	9.9	9.9	9.9	.02	.06	.10	.03	.08
08:00	10.3	10.3	10.2	10.2	-.02	-.10	-.11	-.08	-.09
09:00	10.9	10.7	10.6	10.6	-.13	-.26	-.29	-.14	-.17
10:00	11.7	11.5	11.3	11.3	-.14	-.33	-.40	-.19	-.25
11:00	12.5	12.3	12.2	12.2	-.15	-.31	-.33	-.16	-.18
12:00	13.2	13.0	12.8	12.7	-.21	-.44	-.52	-.23	-.31
13:00	13.6	13.4	13.2	13.1	-.21	-.41	-.48	-.20	-.27
14:00	14.8	14.6	14.4	14.3	-.27	-.46	-.54	-.20	-.28
15:00	15.5	15.3	15.0	14.9	-.25	-.47	-.57	-.22	-.32
16:00	15.4	15.4	15.2	15.2	.04	-.15	-.22	-.19	-.26
17:00	13.8	14.8	14.7	14.7	.92	.90	.88	-.03	-.04
18:00	12.5	13.8	14.2	14.4	1.33	1.75	1.92	.42	.59
19:00	12.1	13.2	13.6	14.0	1.06	1.43	1.84	.36	.77
20:00	11.8	12.8	13.3	13.5	1.04	1.50	1.75	.46	.71
21:00	11.6	13.2	13.4	13.6	1.52	1.75	1.96	.22	.44
22:00	11.8	12.6	12.8	13.0	.80	1.00	1.21	.20	.41
23:00	11.9	12.6	12.6	12.7	.63	.70	.77	.07	.14
Avg	11.7	12.1	12.1	12.1	.36	.35	.40	-.01	.04
Max	15.5	15.4	15.2	15.2	1.52	1.75	1.96	.46	.77
Hr. of Max	15	16	16	16	21	21	21	20	19
Min	9.2	9.9	9.9	9.9	-.27	-.47	-.57	-.23	-.32
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/5/2014

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	8.1	8.1	8.7	10.7	89.0	88.2	8.3	8.3	0.00683
01:00	8.1	8.2	8.7	10.7	89.8	88.5	8.3	8.3	0.006853
02:00	8.1	8.2	8.7	10.7	89.5	88.9	8.3	8.3	0.006858
03:00	7.9	8.2	8.4	10.7	91.9	89.7	8.2	8.3	0.006752
04:00	7.9	8.2	8.3	10.6	92.6	89.9	8.2	8.3	0.00675
05:00	8.2	8.2	8.6	10.6	92.4	90.1	8.3	8.3	0.006878
06:00	8.6	8.6	9.0	10.6	94.3	92.6	8.6	8.6	0.007096
07:00	8.8	8.7	9.1	10.6	94.1	93.5	8.7	8.6	0.007146
08:00	9.0	8.9	9.4	10.6	92.9	92.5	8.8	8.7	0.007273
09:00	9.2	9.1	9.8	10.6	90.7	90.9	8.9	8.8	0.007369
10:00	9.5	9.4	10.2	10.6	87.4	87.8	9.0	9.0	0.007497
11:00	9.8	9.7	10.7	10.7	85.0	85.3	9.2	9.2	0.007699
12:00	10.1	10.1	11.1	10.9	82.7	83.6	9.4	9.4	0.007857
13:00	10.3	10.2	11.4	11.0	81.4	82.2	9.5	9.5	0.007953
14:00	10.9	10.8	12.2	11.2	78.7	79.1	9.9	9.8	0.008321
15:00	11.4	11.3	12.8	11.4	77.8	78.5	10.2	10.1	0.008604
16:00	11.5	11.6	12.8	11.6	79.0	79.0	10.3	10.3	0.008668
17:00	11.4	11.5	12.2	11.8	86.6	81.7	10.2	10.2	0.008594
18:00	10.8	11.3	11.3	11.8	90.6	85.9	9.8	10.1	0.008216
19:00	10.7	11.2	11.2	11.8	91.9	88.9	9.8	10.1	0.008167
20:00	10.5	11.1	10.9	11.8	93.0	90.9	9.7	10.1	0.008066
21:00	10.5	11.4	10.9	11.7	93.9	90.3	9.7	10.2	0.008065
22:00	10.8	11.2	11.1	11.7	94.6	92.7	9.8	10.1	0.008222
23:00	10.9	11.0	11.2	11.6	94.6	91.5	9.9	10.0	0.008291
Avg	9.7	9.8	10.4	11.1	88.9	87.6	9.2	9.3	0.007668
Max	11.5	11.6	12.8	11.8	94.6	93.5	10.3	10.3	0.008668
Hr. of Max	16	16	16	20	23	07	16	16	16
Min	7.9	8.1	8.3	10.6	77.8	78.5	8.2	8.3	0.00675
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/5/2014

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	0.006864	10.8	10.9	.00	29.36	994.3	-2.0	.00	48.3
01:00	0.006877	10.8	10.9	.00	29.36	994.3	-2.1	.00	41.2
02:00	0.006899	10.8	10.9	.00	29.37	994.5	-1.9	.00	39.4
03:00	0.00687	10.7	10.9	.00	29.38	994.8	-1.9	.00	349.5
04:00	0.006882	10.7	10.9	.00	29.38	994.8	-2.5	.00	28.6
05:00	0.006877	10.9	10.9	.00	29.38	995.0	-2.3	.00	217.5
06:00	0.007079	11.2	11.2	.00	29.38	995.1	-2.4	.00	1.3
07:00	0.00711	11.3	11.3	.00	29.40	995.5	.1	.00	237.9
08:00	0.00723	11.5	11.4	.00	29.41	995.9	24.0	.03	242.7
09:00	0.007323	11.7	11.6	.00	29.42	996.2	54.0	.08	216.1
10:00	0.007464	11.9	11.8	.00	29.42	996.3	84.7	.12	215.2
11:00	0.00765	12.2	12.1	.00	29.41	996.1	85.9	.12	220.4
12:00	0.007831	12.4	12.4	.00	29.38	994.9	115.0	.16	234.9
13:00	0.00793	12.5	12.5	.00	29.35	993.9	154.6	.22	177.9
14:00	0.008219	13.1	13.0	.00	29.33	993.3	171.4	.25	192.8
15:00	0.00855	13.5	13.5	.00	29.32	992.9	177.4	.25	227.0
16:00	0.008689	13.6	13.7	.00	29.33	993.1	34.3	.05	264.9
17:00	0.008614	13.5	13.6	.00	29.32	993.0	.1	.00	289.2
18:00	0.008505	12.9	13.4	.00	29.32	992.9	-2.6	.00	303.4
19:00	0.008465	12.9	13.3	.00	29.31	992.7	-2.1	.00	266.4
20:00	0.008439	12.7	13.3	.00	29.31	992.6	-2.4	.00	248.3
21:00	0.008571	12.7	13.5	.00	29.31	992.5	-1.9	.00	241.7
22:00	0.008495	12.9	13.4	.01	29.29	991.8	-2.0	.00	254.6
23:00	0.008363	13.0	13.2	.01	29.29	992.1	-1.6	.00	252.8
Avg	0.007742	12.1	12.2	.00	29.36	994.1	36.4	.05	254.0
Max	0.008689	13.6	13.7	.01	29.42	996.3	177.4	.25	349.5
Hr. of Max	16	16	16	23	10	10	15	15	03
Min	0.006864	10.7	10.9	.00	29.29	991.8	-2.6	.00	1.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/5/2014

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	63.6	64.0	52.5	60.3	23.1	11.1	7.3	1.4	3.3
01:00	56.4	67.6	43.4	64.3	17.2	9.9	9.3	1.7	3.4
02:00	52.2	60.8	42.1	56.9	21.7	14.0	10.9	1.6	3.2
03:00	40.5	62.0	341.4	59.4	48.4	17.4	12.9	.2	1.2
04:00	51.6	56.2	30.2	52.8	39.2	12.5	8.3	.8	1.8
05:00	66.4	54.1	233.2	50.5	43.2	44.8	23.8	.3	.5
06:00	49.0	58.2	350.4	54.5	54.0	18.9	15.4	.1	.7
07:00	220.7	94.4	241.7	94.4	26.1	65.5	42.9	.8	.3
08:00	17.4	24.6	232.4	19.6	50.9	34.1	19.3	.2	.5
09:00	52.1	23.8	219.2	30.0	36.0	57.8	41.4	.2	.1
10:00	230.4	225.4	219.7	226.2	41.5	32.5	26.3	.4	.5
11:00	249.1	262.2	224.0	262.8	26.0	28.7	18.9	.9	1.3
12:00	245.3	245.6	240.8	247.3	24.5	24.3	21.1	2.1	2.6
13:00	312.6	293.2	181.9	302.8	46.8	61.0	61.8	.4	.6
14:00	201.4	212.5	201.2	214.1	42.2	39.8	37.8	1.0	1.2
15:00	230.0	227.4	232.5	228.8	30.3	24.7	21.6	1.9	2.4
16:00	277.3	276.5	268.7	276.0	25.2	21.1	16.8	1.9	3.1
17:00	297.0	301.3	285.6	301.0	30.3	29.3	29.1	.4	1.0
18:00	359.5	305.0	300.3	300.3	51.6	48.7	32.5	.4	.2
19:00	104.1	175.9	249.3	175.3	63.8	49.3	46.1	.4	.4
20:00	223.8	228.5	247.9	230.0	36.7	17.9	15.6	.9	1.3
21:00	246.1	236.9	246.8	238.5	10.3	10.6	6.2	2.7	4.9
22:00	264.0	252.9	253.4	254.5	59.4	21.6	11.7	.8	3.0
23:00	265.0	261.1	257.2	262.7	16.7	12.5	10.4	2.9	5.1
Avg	311.0	294.0	255.0	300.0	36.0	29.5	22.8	.0	.0
Max	359.5	305.0	350.4	302.8	63.8	65.5	61.8	2.9	5.1
Hr. of Max	18	18	06	13	19	07	13	23	23
Min	17.4	23.8	30.2	19.6	10.3	9.9	6.2	.1	.1
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)

12/5/2014

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	4.3	1.5	3.4	4.4	1.9	4.7	-1.5	-2.1	-.12
01:00	3.8	1.8	3.4	3.9	2.1	4.2	-7.1	-1.5	-.31
02:00	4.1	1.8	3.4	4.2	2.1	4.6	-2.7	-1.9	-.20
03:00	1.7	.4	1.3	1.8	.8	2.2	1.3	.2	.01
04:00	2.5	.9	1.8	2.6	1.2	2.9	-.3	-.9	-.05
05:00	.9	.6	.7	1.3	1.0	1.8	.7	-.1	.01
06:00	1.3	.1	.9	1.4	.5	1.8	2.6	.1	.03
07:00	.4	.9	.5	.6	1.4	1.1	2.3	-.8	.03
08:00	1.0	.2	.6	1.1	.7	1.6	5.2	-.9	.09
09:00	.3	.2	.2	.3	.9	.7	4.3	-2.7	.09
10:00	.8	.5	.7	1.0	1.1	1.4	-3.8	-8.9	-.06
11:00	2.1	1.2	1.5	2.2	1.7	2.6	-1.6	-1.5	-.09
12:00	2.8	2.4	2.9	3.1	2.9	3.5	-.2	-.7	-.08
13:00	.7	1.1	1.2	1.1	1.6	1.6	-8.0	-10.5	-.19
14:00	1.3	1.2	1.4	1.5	1.9	2.0	.8	-6.0	-.02
15:00	2.7	2.3	2.8	3.0	2.7	3.5	.2	-3.4	-.05
16:00	3.8	2.1	3.4	4.1	2.6	4.4	-.9	-1.3	-.14
17:00	1.6	.7	1.2	1.8	1.2	2.0	-1.0	-.5	-.03
18:00	.4	.7	.4	.6	1.1	1.0	.6	-.3	.01
19:00	.5	.8	.6	.8	1.3	1.3	.8	-.1	.00
20:00	1.8	1.1	1.4	1.8	1.5	2.2	2.0	1.3	.04
21:00	6.9	2.8	5.0	7.0	3.2	7.5	-.7	1.2	-.07
22:00	5.0	1.2	3.2	5.2	1.7	5.6	1.8	2.1	.02
23:00	6.9	3.0	5.2	7.1	3.5	7.5	.5	2.0	-.03
Avg	.0	1.2	2.0	2.6	1.7	3.0	-.2	-1.6	-.05
Max	6.9	3.0	5.2	7.1	3.5	7.5	5.2	2.1	.09
Hr. of Max	23	23	23	23	23	23	08	22	09
Min	.3	.1	.2	.3	.5	.7	-8.0	-10.5	-.31
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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12/5/2014

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	-.20	4.8	7.1	12.1	5.7	9.9	17.0	5.3
01:00	-.13	3.9	5.7	7.3	4.4	7.9	13.5	6.6
02:00	-.17	5.7	6.9	7.8	6.6	8.5	16.9	7.6
03:00	.01	2.3	4.8	9.4	2.5	5.4	11.6	7.2
04:00	-.05	4.1	3.9	4.4	3.5	4.9	10.6	4.7
05:00	.01	3.0	3.0	4.1	3.2	4.5	8.5	6.7
06:00	.00	1.1	3.0	6.0	1.7	3.5	11.2	6.2
07:00	-.01	3.2	3.7	3.4	3.6	4.1	10.5	18.9
08:00	-.03	2.3	2.5	3.0	1.7	3.3	15.3	8.8
09:00	-.04	1.8	2.1	1.8	2.3	2.1	17.5	12.4
10:00	-.21	2.5	2.5	3.7	2.9	4.2	24.8	18.4
11:00	-.10	3.0	4.1	5.5	4.5	6.2	18.2	15.1
12:00	-.15	5.7	6.0	6.2	6.6	6.9	17.1	17.1
13:00	-.25	6.9	7.1	8.9	5.4	5.4	25.9	24.7
14:00	-.23	4.1	4.6	4.1	5.2	4.8	25.1	24.7
15:00	-.22	6.4	6.2	6.4	6.5	6.8	18.5	15.2
16:00	-.20	8.7	8.0	8.5	6.9	8.8	17.5	11.1
17:00	-.03	4.1	6.0	6.6	3.4	4.5	10.9	10.6
18:00	-.01	2.7	1.8	2.3	2.2	2.6	7.8	12.6
19:00	.02	3.4	2.5	4.4	3.9	5.3	10.4	15.1
20:00	.04	3.4	3.2	4.1	3.4	4.6	8.8	8.4
21:00	.13	6.0	8.7	11.0	6.7	11.6	6.7	4.2
22:00	.17	10.3	15.1	17.4	6.0	10.2	13.6	6.6
23:00	.20	8.7	12.8	16.7	11.6	13.8	11.6	7.1
Avg	-.06	4.5	5.5	6.9	4.6	6.2	14.6	11.5
Max	.20	10.3	15.1	17.4	11.6	13.8	25.9	24.7
Hr. of Max	23	22	22	22	23	23	13	14
Min	-.25	1.1	1.8	1.8	1.7	2.1	6.7	4.2
Count	24	24	24	24	24	24	24	24
Total								