Date Printed: 01/05/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

1/4/2015

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	12.4	12.9	12.9	13.1	.47	.54	.69	.07	.22
01:00	13.4	13.6	13.5	13.6	.29	.19	.20	-.10	-.09
02:00	13.4	14.0	14.0	14.0	.60	.56	.60	-.04	-.01
03:00	14.0	14.6	14.5	14.6	.59	.51	.55	-.08	-.04
04:00	14.9	15.1	15.0	15.1	.22	.14	.17	-.08	-.05
05:00	15.2	15.5	15.5	15.5	.32	.28	.35	-.04	.04
06:00	14.9	15.3	15.3	15.4	.45	.44	.55	-.01	.10
07:00	14.9	15.1	15.1	15.2	.25	.22	.34	-.03	.09
08:00	15.0	15.3	15.3	15.4	.30	.29	.42	-.01	.12
09:00	15.4	15.6	15.6	15.7	.21	.16	.25	-.05	.04
10:00	15.8	15.9	15.8	15.8	.11	.01	.02	-.10	-.09
11:00	14.4	14.4	14.4	14.3	.00	-.09	-.11	-.09	-.11
12:00	15.0	14.6	14.4	14.3	-.39	-.59	-.74	-.20	-.35
13:00	14.7	14.2	13.9	13.7	-.52	-.78	-.94	-.25	-.42
14:00	13.6	13.2	12.9	12.8	-.45	-.70	-.84	-.26	-.40
15:00	12.6	12.3	12.1	11.9	-.29	-.52	-.66	-.23	-.36
16:00	10.3	10.2	10.0	9.9	-.06	-.25	-.34	-.18	-.27
17:00	9.2	9.2	9.0	9.0	.00	-.15	-.22	-.16	-.23
18:00	8.1	8.3	8.1	8.1	.11	-.03	-.07	-.14	-.18
19:00	7.8	7.8	7.7	7.6	.03	-.12	-.19	-.15	-.22
20:00	7.0	7.0	6.8	6.7	-.03	-.21	-.30	-.17	-.27
21:00	6.0	6.0	5.8	5.7	-.05	-.24	-.34	-.19	-.29
22:00	5.2	5.2	5.0	4.9	-.03	-.21	-.31	-.18	-.28
23:00	4.7	4.7	4.5	4.4	-.04	-.22	-.31	-.18	-.27
Avg	12.0	12.1	12.0	11.9	.09	-.03	-.05	-.12	-.14
Max	15.8	15.9	15.8	15.8	.60	.56	.69	.07	.22
Hr. of Max	10	10	10	10	02	02	00	00	00
Min	4.7	4.7	4.5	4.4	-.52	-.78	-.94	-.26	-.42
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/4/2015

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	11.6	12.2	11.9	9.8	96.4	97.3	10.4	10.8	0.008783
01:00	12.4	12.7	12.7	9.8	95.3	95.5	10.9	11.1	0.009241
02:00	12.5	13.0	12.8	10.0	95.5	95.2	11.0	11.3	0.009309
03:00	13.1	13.5	13.4	10.1	95.5	94.8	11.4	11.7	0.009685
04:00	13.6	13.9	14.1	10.3	93.6	93.9	11.8	12.0	0.010054
05:00	13.6	13.9	14.1	10.4	91.7	91.6	11.7	11.9	0.01004
06:00	13.6	13.8	14.0	10.5	93.4	92.5	11.7	11.9	0.010015
07:00	13.7	14.0	14.1	10.6	94.1	94.6	11.8	12.0	0.010087
08:00	13.6	13.9	14.1	10.7	93.0	93.0	11.7	12.0	0.010026
09:00	13.7	13.8	14.3	10.7	91.0	90.3	11.8	11.9	0.010091
10:00	13.4	13.3	14.2	10.8	87.3	86.4	11.6	11.5	0.009895
11:00	10.5	10.1	11.8	10.9	78.5	76.6	9.6	9.4	0.008168
12:00	8.1	7.5	10.4	11.1	64.5	63.3	8.2	7.9	0.006964
13:00	6.1	5.7	9.0	11.2	57.2	57.4	7.1	6.9	0.00605
14:00	4.2	3.7	7.3	11.3	53.6	53.3	6.3	6.1	0.00529
15:00	2.0	1.6		11.3	49.0	48.6	5.4	5.3	0.004513
16:00	1.2	.9	4.2	11.3	54.0	53.2	5.1	5.0	0.004243
17:00	1.0	.8	3.7	11.1	57.0	56.2	5.1	5.0	0.004159
18:00	1.0	.9	3.4	10.9	61.3	60.3	5.1	5.0	0.004164
19:00	1.2	1.1	3.4	10.7	63.6	62.9	5.2	5.1	0.004213
20:00	1.3	1.2	3.2	10.4	67.5	67.2	5.2	5.2	0.004229
21:00	1.1	1.1	2.8	10.2	71.6	71.4	5.2	5.1	0.004185
22:00	.5	.4	2.0	10.0	72.1	71.9	4.9	4.9	0.003982
23:00	-.1	-.2	1.5	9.8	71.2	70.8	4.7	4.7	0.003811
Avg	7.6	7.6	9.2	10.6	77.0	76.6	8.5	8.5	0.007133
Max	13.7	14.0	14.3	11.3	96.4	97.3	11.8	12.0	0.010091
Hr. of Max	09	07	09	16	00	00	09	08	09
Min	-.1	-.2	1.5	9.8	49.0	48.6	4.7	4.7	0.003811
Count	24	24	23	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/4/2015

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	0.009142	13.7	14.3	.01	29.09	985.1	-2.2	.00	142.5
01:00	0.009436	14.4	14.7	.08	29.09	985.2	-1.9	.00	200.3
02:00	0.009648	14.5	15.0	.08	29.07	984.3	-1.9	.00	163.1
03:00	0.009988	15.1	15.6	.07	29.05	983.9	-1.9	.00	254.3
04:00	0.010232	15.6	15.9	.09	29.02	982.9	-2.3	.00	204.2
05:00	0.010232	15.6	15.9	.00	29.01	982.5	-2.0	.00	217.7
06:00	0.010209	15.6	15.9	.03	29.01	982.3	-2.2	.00	231.0
07:00	0.010304	15.7	16.0	.02	29.03	983.1	-1.7	.00	228.0
08:00	0.010228	15.6	15.9	.00	29.05	983.6	13.2	.02	226.7
09:00	0.010157	15.7	15.8	.00	29.06	984.1	84.9	.12	218.5
10:00	0.009865	15.4	15.4	.01	29.06	984.2	93.4	.13	235.2
11:00	0.00797	12.8	12.5	.00	29.07	984.5	239.8	.34	250.4
12:00	0.006666	10.9	10.4	.00	29.07	984.5	481.8	.69	264.4
13:00	0.005865	9.5	9.2	.00	29.08	984.7	440.7	.63	255.8
14:00	0.005111	8.3	8.0	.00	29.11	986.0	369.2	.53	258.6
15:00	0.004389	7.1	6.9	.00	29.17	987.7	261.0	.37	250.9
16:00	0.004165	6.7	6.6	.00	29.24	990.1	56.4	.08	257.8
17:00	0.004103	6.6	6.5	.00	29.29	991.8	1.7	.00	252.0
18:00	0.004124	6.6	6.5	.00	29.31	992.7	-1.8	.00	255.6
19:00	0.004178	6.7	6.6	.00	29.33	993.3	-2.0	.00	254.6
20:00	0.004206	6.7	6.7	.00	29.37	994.5	-2.0	.00	270.7
21:00	0.00416	6.7	6.6	.00	29.40	995.8	-2.2	.00	265.3
22:00	0.00396	6.3	6.3	.00	29.43	996.6	-2.3	.00	266.1
23:00	0.003778	6.1	6.0	.00	29.44	997.0	-2.2	.00	252.3
Avg	0.007172	11.2	11.2	.02	29.16	987.5	83.9	.12	239.0
Max	0.010304	15.7	16.0	.09	29.44	997.0	481.8	.69	270.7
Hr. of Max	07	09	07	04	23	23	12	12	20
Min	0.003778	6.1	6.0	.00	29.01	982.3	-2.3	.00	142.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/4/2015

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	143.9	155.5	150.4	155.8	42.7	22.6	18.5	1.7	3.2
01:00	195.0	184.2	207.9	184.8	36.2	28.0	21.0	2.4	3.6
02:00	174.1	170.2	173.0	170.6	53.1	41.9	28.6	.7	2.1
03:00	235.2	209.3	261.5	211.1	35.7	34.7	29.7	2.2	3.2
04:00	202.6	194.9	210.2	195.3	38.3	30.3	24.3	3.4	5.4
05:00	217.7	212.9	224.5	214.0	31.6	23.7	17.9	4.9	7.5
06:00	237.5	232.0	239.9	232.8	42.7	30.7	25.3	3.5	5.9
07:00	229.5	224.7	233.4	226.2	19.2	11.5	8.9	3.6	6.5
08:00	228.6	223.6	233.6	225.0	20.7	14.2	10.6	3.9	6.7
09:00	222.7	218.1	224.4	219.5	19.1	13.9	10.7	5.0	7.8
10:00	241.6	238.9	240.8	240.8	21.9	18.2	15.5	7.0	9.4
11:00	258.4	258.6	256.0	260.5	20.3	17.0	13.9	7.3	9.8
12:00	268.7	268.7	269.2	270.2	25.6	19.2	16.3	8.0	11.0
13:00	262.2	263.1	261.2	264.8	25.0	20.4	17.5	8.0	11.1
14:00	267.7	267.4	264.3	268.9	25.6	21.0	17.4	8.2	11.5
15:00	258.8	259.8	256.6	261.7	24.6	20.0	15.9	8.8	12.0
16:00	266.6	267.6	263.1	269.6	23.2	18.8	15.4	8.6	11.8
17:00	260.5	261.6	257.4	263.5	24.1	18.2	14.6	5.8	8.7
18:00	264.5	265.8	261.9	267.7	22.2	17.6	14.6	5.9	8.1
19:00	265.3	265.9	260.0	267.6	19.6	15.1	11.7	5.1	7.0
20:00	278.7	279.4	275.1	279.7	30.4	23.4	18.8	4.5	6.7
21:00	274.2	278.9	271.1	279.4	30.5	22.5	18.6	5.2	7.4
22:00	276.2	279.0	270.6	279.9	27.4	21.3	18.3	5.3	7.8
23:00	263.2	269.0	257.5	270.3	28.0	25.7	22.6	3.6	5.1
Avg	243.0	241.0	245.0	242.0	28.7	22.1	17.8	.0	.0
Max	278.7	279.4	275.1	279.9	53.1	41.9	29.7	8.8	12.0
Hr. of Max	20	20	20	22	02	02	03	15	15
Min	143.9	155.5	150.4	155.8	19.1	11.5	8.9	.7	2.1
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)

1/4/2015

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	5.0	2.2	3.7	5.3	2.8	5.8	1.5	1.1	.01
01:00	5.2	2.9	4.0	5.5	3.4	5.8	.3	-.9	.00
02:00	3.9	1.8	3.0	4.5	2.3	5.0	.9	.8	-.05
03:00	4.5	2.7	3.8	5.1	3.2	5.6	-4.8	-1.7	-.32
04:00	7.6	4.4	6.3	8.5	5.0	9.1	1.8	.4	.01
05:00	9.9	5.5	8.2	10.5	6.1	10.9	-.2	.3	-.16
06:00	8.1	4.2	6.5	8.6	4.6	9.2	.3	.9	-.13
07:00	8.8	3.8	6.6	8.9	4.4	9.4	-1.3	1.6	-.17
08:00	9.3	4.2	6.9	9.5	4.9	10.1	.0	2.0	-.11
09:00	10.4	5.3	8.0	10.6	5.9	11.3	-.2	1.3	-.16
10:00	12.2	8.0	10.7	13.6	8.5	14.3	-.3	.7	-.27
11:00	12.1	7.7	10.3	12.5	8.4	13.2	.5	1.7	-.31
12:00	13.1	8.7	11.5	13.6	9.3	14.2	-1.6	.5	-.64
13:00	13.9	8.8	11.8	14.7	9.5	15.3	.9	1.4	-.33
14:00	13.9	8.9	12.2	14.5	9.8	15.2	-.7	1.1	-.48
15:00	15.2	9.6	12.7	15.8	10.6	16.7	-.8	1.8	-.54
16:00	14.9	9.2	12.4	15.5	9.9	16.0	-1.5	1.8	-.66
17:00	10.7	6.3	9.2	11.1	7.1	11.7	-.1	1.6	-.35
18:00	10.2	6.3	8.5	10.6	6.8	11.1	-.4	.6	-.34
19:00	9.0	5.5	7.4	9.3	6.1	9.8	-1.2	.2	-.34
20:00	8.7	5.2	7.3	9.4	5.8	9.9	-.2	-.1	-.34
21:00	9.2	5.8	7.9	9.6	6.3	10.1	-1.8	-1.8	-.45
22:00	9.8	5.8	8.3	10.3	6.4	10.6	-.5	-.7	-.31
23:00	6.4	4.0	5.6	6.9	4.7	7.4	1.3	1.4	-.06
Avg	.0	5.7	8.0	10.2	6.3	10.7	-.3	.7	-.27
Max	15.2	9.6	12.7	15.8	10.6	16.7	1.8	2.0	.01
Hr. of Max	15	15	15	15	15	15	04	08	04
Min	3.9	1.8	3.0	4.5	2.3	5.0	-4.8	-1.8	-.66
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)

1/4/2015

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	-.07	10.3	14.0	14.7	12.9	16.4	14.9	12.2
01:00	-.15	13.1	13.7	15.8	11.1	14.0	15.7	13.6
02:00	-.07	6.6	8.2	14.0	6.8	13.6	21.0	17.0
03:00	-.28	7.6	12.4	14.4	8.2	14.8	17.6	18.9
04:00	-.13	14.4	16.7	21.8	14.3	20.7	19.5	14.6
05:00	-.02	15.1	17.6	22.0	13.9	21.1	14.3	9.0
06:00	.13	12.4	14.9	19.0	13.9	16.6	15.1	9.6
07:00	.22	9.8	14.2	14.9	9.8	16.7	12.2	6.0
08:00	.26	10.8	14.9	19.2	13.9	21.3	14.3	8.2
09:00	.14	15.1	17.4	21.5	18.7	21.8	14.0	8.2
10:00	-.02	16.9	26.6	33.0	18.6	26.3	14.7	9.4
11:00	.15	20.6	22.4	24.3	22.5	26.4	16.8	10.4
12:00	-.28	25.0	26.3	28.2	30.0	29.2	17.3	13.2
13:00	-.01	23.4	24.3	30.9	25.1	30.9	18.2	12.0
14:00	-.21	26.1	28.2	32.1	27.6	29.9	18.1	13.5
15:00	.11	28.6	40.3	43.3			16.7	12.1
16:00	.19	26.8	36.6	39.8	29.1	39.7	16.7	11.4
17:00	.08	22.0	27.7	24.5	22.6	26.1	17.7	11.3
18:00	-.13	17.6	20.4	23.8	17.7	26.2	16.3	11.0
19:00	-.13	17.4	17.2	27.5	17.3	20.5	15.2	9.3
20:00	-.42	17.4	23.6	26.1	17.5	26.1	20.4	14.6
21:00	-.57	21.1	20.6	25.4	24.6	30.0	18.7	13.4
22:00	-.42	15.3	29.5	32.5	17.0	22.2	17.5	12.1
23:00	.00	14.2	14.7	17.6	17.7	19.7	18.6	14.7
Avg	-.07	17.0	20.9	24.4	17.9	23.1	16.7	11.9
Max	.26	28.6	40.3	43.3	30.0	39.7	21.0	18.9
Hr. of Max	08	15	15	15	12	16	02	03
Min	-.57	6.6	8.2	14.0	6.8	13.6	12.2	6.0
Count	24	24	24	24	23	23	24	24
Total								