Date Printed: 03/08/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/7/2015

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	-4.4	-2.6	-1.8	-1.1	1.76	2.54	3.25	.78	1.49
01:00	-4.8	-3.2	-2.5	-1.7	1.57	2.24	3.07	.67	1.50
02:00	-5.2	-3.7	-3.0	-2.1	1.45	2.15	3.10	.69	1.65
03:00	-5.5	-3.8	-3.1	-2.6	1.67	2.38	2.89	.71	1.22
04:00	-5.8	-4.5	-3.5	-2.7	1.33	2.34	3.12	1.02	1.80
05:00	-6.1	-4.4	-3.8	-3.2	1.75	2.31	2.96	.56	1.21
06:00	-6.4	-4.5	-4.1	-3.2	1.89	2.30	3.19	.41	1.31
07:00	-5.7	-4.9	-3.7	-3.0	.86	1.99	2.79	1.13	1.93
08:00	-2.1	-2.0	-1.4	-1.1	.13	.69	.99	.56	.86
09:00	1.5	1.0	.8	.8	-.50	-.72	-.70	-.22	-.20
10:00	4.5	3.7	3.4	3.3	-.78	-1.08	-1.22	-.30	-.44
11:00	6.9	6.0	5.8	5.6	-.90	-1.18	-1.31	-.28	-.41
12:00	9.3	8.2	7.9	7.8	-1.03	-1.33	-1.50	-.31	-.48
13:00	11.2	10.0	9.6	9.5	-1.20	-1.56	-1.68	-.36	-.48
14:00	12.6	11.6	11.3	11.1	-.96	-1.32	-1.46	-.36	-.50
15:00	13.7	12.8	12.4	12.2	-.84	-1.22	-1.42	-.38	-.58
16:00	14.3	13.8	13.4	13.2	-.55	-.88	-1.07	-.33	-.52
17:00	13.9	13.8	13.6	13.5	-.02	-.27	-.39	-.25	-.37
18:00	11.7	12.8	13.0	13.0	1.11	1.27	1.32	.16	.20
19:00	6.9	11.1	11.6	12.0	4.16	4.65	5.06	.49	.89
20:00	5.2	10.4	10.7	11.1	5.26	5.54	5.91	.28	.65
21:00	3.6	9.2	9.9	10.6	5.52	6.31	6.99	.78	1.46
22:00	2.5	7.9	9.3	9.9	5.38	6.79	7.38	1.41	2.00
23:00	1.0	5.6	8.0	8.8	4.59	7.05	7.78	2.46	3.19
Avg	3.0	4.3	4.7	5.1	1.32	1.71	2.04	.39	.72
Max	14.3	13.8	13.6	13.5	5.52	7.05	7.78	2.46	3.19
Hr. of Max	16	17	17	17	21	23	23	23	23
Min	-6.4	-4.9	-4.1	-3.2	-1.20	-1.56	-1.68	-.38	-.58
Count	24	24	24	24	24	24	24	24	24
Total									

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/7/2015

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	-5.6	-5.1	-5.2	4.7	91.7	83.3	3.3	3.4	0.002522
01:00	-5.9	-5.2	-5.5	4.5	92.0	86.6	3.2	3.3	0.002456
02:00	-6.3	-5.2	-5.9	4.4	92.3	89.8	3.1	3.3	0.002387
03:00	-6.6	-5.1	-6.3	4.2	92.2	91.2	3.0	3.4	0.002322
04:00	-7.0	-5.7	-6.6	4.1	91.9	91.4	2.9	3.2	0.002263
05:00	-7.3	-5.6	-6.9	3.9	91.3	91.2	2.9	3.2	0.002196
06:00	-7.7	-5.8	-7.3	3.8	90.9	91.2	2.8	3.2	0.002138
07:00	-7.1	-6.3	-6.6	3.7	90.4	90.1	2.9	3.1	0.00224
08:00	-4.1	-5.1	-3.4	3.6	86.9	79.9	3.6	3.3	0.002826
09:00	-4.1	-5.7	-2.2	3.5	67.3	61.6	3.6	3.2	0.002839
10:00	-6.5	-8.3	-2.8	3.5	45.3	41.8	3.0	2.6	0.002373
11:00	-8.0	-9.9	-3.0	3.8	34.4	31.4	2.6	2.3	0.00213
12:00	-7.7	-9.6	-2.1	4.2	29.9	27.7	2.7	2.3	0.002183
13:00	-6.3	-7.9	-.5	4.9	29.3	28.2	3.0	2.6	0.002429
14:00	-6.5	-7.7	-.1	5.6	26.4	25.5	2.9	2.7	0.002404
15:00	-6.2	-7.4	.4	6.1	25.2	24.2	3.0	2.7	0.002463
16:00	-6.1	-7.3	.7	6.5	24.3	23.0	3.0	2.7	0.00248
17:00	-6.2	-7.2	.5	6.7	24.9	23.0	3.0	2.7	0.002467
18:00	-5.6	-7.0	.1	6.9	29.9	25.1	3.1	2.8	0.002564
19:00	-3.3	-6.8	.1	6.9	48.9	28.2	3.7	2.8	0.00304
20:00	-3.0	-7.5	-.3	6.9	56.2	28.2	3.8	2.7	0.003094
21:00	-3.0	-7.3	-.8	6.7	62.4	30.9	3.9	2.7	0.003092
22:00	-3.3	-7.1	-1.4	6.5	65.9	34.4	3.8	2.8	0.003015
23:00	-3.7	-6.3	-2.2	6.3	71.2	42.9	3.7	3.0	0.002917
Avg	-5.7	-6.8	-2.8	5.1	60.9	53.0	3.2	2.9	0.002535
Max	-3.0	-5.1	.7	6.9	92.3	91.4	3.9	3.4	0.003094
Hr. of Max	21	08	16	20	02	04	21	03	20
Min	-8.0	-9.9	-7.3	3.5	24.3	23.0	2.6	2.3	0.00213
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)

3/7/2015

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	0.002615	4.0	4.2	.00	29.51	999.5	-2.1	.00	269.2
01:00	0.002601	3.9	4.2	.00	29.51	999.3	-2.3	.00	249.3
02:00	0.00259	3.8	4.1	.00	29.51	999.4	-2.8	.00	238.3
03:00	0.002609	3.7	4.2	.00	29.50	999.1	-2.4	.00	259.2
04:00	0.002489	3.6	4.0	.00	29.51	999.2	-2.1	.00	246.8
05:00	0.002508	3.5	4.0	.00	29.52	999.7	-2.0	.00	245.0
06:00	0.002478	3.4	4.0	.00	29.53	1000.1	-1.5	.00	245.8
07:00	0.002381	3.6	3.8	.00	29.54	1000.4	123.6	.18	238.8
08:00	0.002613	4.5	4.2	.00	29.55	1000.6	357.8	.51	222.9
09:00	0.002509	4.5	4.0	.00	29.55	1000.7	535.9	.77	195.4
10:00	0.002068	3.8	3.3	.00	29.54	1000.3	671.4	.96	215.2
11:00	0.001826	3.4	2.9	.00	29.52	999.8	782.3	1.12	221.2
12:00	0.001883	3.5	3.0	.00	29.49	998.9	839.1	1.20	217.7
13:00	0.002157	3.9	3.4	.00	29.46	997.6	835.4	1.20	215.5
14:00	0.002183	3.8	3.5	.00	29.42	996.4	762.0	1.09	218.2
15:00	0.00224	3.9	3.6	.00	29.40	995.5	627.5	.90	219.8
16:00	0.002268	4.0	3.6	.00	29.38	995.1	423.2	.61	218.3
17:00	0.002282	3.9	3.6	.00	29.37	994.7	162.7	.23	206.7
18:00	0.002326	4.1	3.7	.00	29.37	994.5	18.3	.03	206.0
19:00	0.002338	4.8	3.7	.00	29.37	994.5	-2.2	.00	235.8
20:00	0.00223	4.9	3.6	.00	29.37	994.6	-2.2	.00	238.1
21:00	0.002244	4.9	3.6	.00	29.38	994.9	-2.0	.00	236.8
22:00	0.002289	4.8	3.6	.00	29.39	995.2	-2.4	.00	230.9
23:00	0.002424	4.6	3.9	.00	29.39	995.3	-2.0	.00	229.0
Avg	0.00234	4.0	3.7	.00	29.46	997.7	254.7	.37	229.0
Max	0.002615	4.9	4.2	.00	29.55	1000.7	839.1	1.20	269.2
Hr. of Max	00	21	08	23	09	09	12	13	00
Min	0.001826	3.4	2.9	.00	29.37	994.5	-2.8	.00	195.4
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)

3/7/2015

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	238.5	236.9	260.9	237.6	42.0	6.7	5.6	.9	1.9
01:00	223.4	237.4	251.6	238.4	11.4	3.4	8.8	1.5	3.3
02:00	237.0	235.7	240.2	237.3	8.4	3.6	4.8	1.6	3.0
03:00	238.8	223.7	260.2	225.2	18.0	11.8	8.9	1.1	1.8
04:00	252.6	221.1	248.8	223.0	14.0	8.0	5.6	1.3	2.1
05:00	234.7	217.3	247.1	219.4	10.7	6.2	6.4	1.4	2.4
06:00	255.0	199.9	248.8	201.2	11.4	5.6	8.1	2.0	2.9
07:00	257.8	202.0	244.5	203.1	27.7	7.4	8.0	.7	2.5
08:00	248.3	225.4	228.2	226.8	29.2	10.0	9.8	1.3	2.7
09:00	209.0	222.3	202.0	224.1	14.3	12.5	12.0	3.7	3.8
10:00	219.0	220.4	221.1	221.8	27.7	23.2	17.8	4.0	4.6
11:00	224.9	224.9	227.1	226.5	35.2	27.4	23.0	4.4	5.3
12:00	221.7	219.1	223.2	221.0	32.8	23.5	19.9	4.9	6.4
13:00	223.3	222.5	222.0	224.4	24.5	20.7	17.7	6.3	7.9
14:00	223.6	222.5	224.2	224.4	27.5	20.9	17.6	6.6	8.4
15:00	226.1	225.5	224.2	227.7	26.0	24.3	17.8	6.5	8.1
16:00	226.6	225.8	223.2	227.9	24.7	20.2	16.1	6.0	7.9
17:00	211.7	211.8	211.3	214.3	19.3	16.4	13.7	5.2	6.8
18:00	204.8	201.7	209.7	203.5	15.6	10.8	8.7	3.8	6.3
19:00	212.8	206.9	239.9	209.0	11.2	7.4	5.8	2.8	5.5
20:00	229.8	214.2	242.0	216.6	8.6	6.3	5.4	3.4	5.5
21:00	235.1	219.2	240.3	222.3	5.3	3.3	2.5	3.5	6.2
22:00	238.5	233.1	235.5	235.4	5.8	4.3	3.0	3.6	5.7
23:00	243.5	228.3	233.2	230.9	5.2	6.1	3.5	3.1	4.8
Avg	230.0	220.0	233.0	222.0	19.0	12.1	10.4	.0	.0
Max	257.8	237.4	260.9	238.4	42.0	27.4	23.0	6.6	8.4
Hr. of Max	07	01	00	01	00	11	11	14	14
Min	204.8	199.9	202.0	201.2	5.2	3.3	2.5	.7	1.8
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)

3/7/2015

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	2.2	1.0	1.9	2.3	1.5	2.8	.0	.7	-.02
01:00	2.4	1.5	3.3	2.5	2.0	3.0	.7	2.0	.01
02:00	4.1	1.6	3.0	4.1	2.2	4.6	-.3	2.4	-.01
03:00	2.2	1.2	1.8	2.2	1.7	2.7	.4	1.1	-.02
04:00	2.8	1.3	2.1	2.8	1.9	3.3	.6	.9	.03
05:00	2.9	1.4	2.4	2.9	2.0	3.4	1.1	.8	.02
06:00	2.6	2.0	2.9	2.7	2.5	3.1	.7	-.4	.03
07:00	3.0	.7	2.5	3.0	1.3	3.4	2.2	.6	.05
08:00	3.2	1.4	3.0	3.3	1.9	3.7	1.7	-.5	.02
09:00	3.7	3.8	3.9	3.8	4.3	4.3	-1.5	-4.4	-.17
10:00	4.9	4.4	4.9	5.1	4.9	5.7	1.8	-3.7	.05
11:00	5.9	5.1	5.8	6.3	5.7	7.1	-1.6	-2.0	-.28
12:00	7.4	5.7	7.0	7.8	6.5	8.6	.3	-.9	-.12
13:00	8.8	7.1	8.6	9.3	7.7	10.1	-.8	-2.2	-.24
14:00	9.4	7.2	9.0	9.8	7.9	10.7	.3	-1.0	-.12
15:00	10.0	7.1	8.7	10.4	8.0	11.3	2.4	1.8	.12
16:00	9.6	6.5	8.4	10.0	7.4	10.8	3.0	2.0	.13
17:00	7.9	5.5	7.1	8.1	6.1	8.7	1.6	1.9	.06
18:00	8.2	4.0	6.4	8.3	4.3	8.7	1.1	.8	.05
19:00	8.3	2.8	5.6	8.3	3.3	8.9	-1.4	1.3	-.09
20:00	6.9	3.5	5.5	7.0	3.9	7.5	-1.2	.5	-.10
21:00	7.8	3.5	6.2	7.8	3.9	8.4	-.6	.3	-.05
22:00	8.3	3.7	5.7	8.4	4.1	9.0	-.8	2.2	-.08
23:00	7.3	3.1	4.8	7.4	3.6	8.0	1.0	1.7	.06
Avg	.0	3.5	5.0	6.0	4.1	6.6	.4	.2	-.03
Max	10.0	7.2	9.0	10.4	8.0	11.3	3.0	2.4	.13
Hr. of Max	15	14	14	15	15	15	16	02	16
Min	2.2	.7	1.8	2.2	1.3	2.7	-1.6	-4.4	-.28
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)

3/7/2015

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	.03	2.5	3.0	4.1	3.1	3.8	5.0	2.3
01:00	.11	3.7	5.3	4.6	4.0	4.6	5.2	3.1
02:00	.21	4.8	8.9	7.8	3.5	6.3	2.8	1.8
03:00	.06	3.9	3.9	4.8	4.3	4.0	5.9	2.8
04:00	.06	2.7	5.3	4.8	3.3	5.2	5.0	2.6
05:00	.05	3.0	4.1	5.0	3.5	5.7	4.2	3.9
06:00	-.02	6.0	8.0	4.6	4.1	5.1	3.6	3.4
07:00	.03	3.4	5.5	7.1	2.6	5.2	8.3	4.2
08:00	-.03	4.4	5.5	5.7	5.1	5.8	10.7	5.0
09:00	-.38	7.8	8.0	8.2	8.4	8.6	12.6	9.0
10:00	-.40	10.5	11.0	10.1	11.1	11.4	19.2	17.8
11:00	-.40	12.4	12.6	13.1	14.7	14.2	17.5	17.4
12:00	-.29	15.6	14.0	15.1	16.3	16.9	19.1	15.7
13:00	-.43	17.9	19.2	17.6	20.0	18.6	14.8	12.9
14:00	-.30	16.7	19.9	26.3	17.7	20.0	16.7	14.5
15:00	.11	19.0	22.0	20.6	20.8	21.7	16.3	13.9
16:00	.14	15.6	16.5	17.6	16.5	19.8	16.9	12.7
17:00	.17	13.5	25.2	23.8	15.2	16.6	13.3	10.2
18:00	.07	10.5	12.8	20.6	10.9	15.0	10.7	6.0
19:00	.19	6.4	11.9	16.3	5.9	14.0	6.3	4.2
20:00	.06	6.4	9.6	13.7	6.4	12.3	4.3	3.3
21:00	.05	5.3	9.8	14.7	5.8	11.4	3.1	1.7
22:00	.34	6.6	11.9	16.5	6.4	10.8	3.2	1.5
23:00	.24	4.4	12.6	15.6	4.9	10.1	2.9	1.9
Avg	-.01	8.5	11.1	12.4	8.9	11.1	9.5	7.2
Max	.34	19.0	25.2	26.3	20.8	21.7	19.2	17.8
Hr. of Max	22	15	17	14	15	15	10	10
Min	-.43	2.5	3.0	4.1	2.6	3.8	2.8	1.5
Count	24	24	24	24	24	24	24	24
Total								