Date Printed: 02/14/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

2/13/2015

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	-4.4	-4.5	-4.6	.07	-.06	-.14	-.13	-.21
01:00	-4.6	-4.5	-4.7	-4.8	.07	-.10	-.23	-.17	-.29
02:00	-5.1	-5.0	-5.1	-5.2	.17	.05	-.04	-.11	-.21
03:00	-6.2	-5.7	-5.7	-5.7	.50	.48	.46	-.01	-.04
04:00	-7.2	-6.1	-6.0	-6.1	1.11	1.21	1.18	.09	.07
05:00	-6.4	-6.1	-6.1	-6.2	.33	.26	.19	-.07	-.15
06:00	-6.1	-6.0	-6.2	-6.3	.05	-.10	-.20	-.15	-.26
07:00	-6.2	-6.1	-6.3	-6.4	.03	-.12	-.20	-.15	-.23
08:00	-5.7	-5.9	-6.1	-6.2	-.14	-.35	-.50	-.21	-.36
09:00	-4.6	-5.0	-5.3	-5.5	-.40	-.70	-.92	-.30	-.52
10:00	-3.9	-4.3	-4.7	-4.9	-.42	-.73	-.94	-.31	-.52
11:00	-2.7	-3.4	-3.7	-4.0	-.72	-1.05	-1.29	-.33	-.58
12:00	-1.1	-2.1	-2.4	-2.6	-1.02	-1.35	-1.56	-.33	-.54
13:00	.3	-.8	-1.1	-1.3	-1.04	-1.37	-1.57	-.33	-.52
14:00	1.7	.7	.4	.2	-1.00	-1.31	-1.50	-.31	-.50
15:00	2.6	1.8	1.5	1.3	-.81	-1.13	-1.28	-.31	-.47
16:00	2.8	2.2	1.9	1.7	-.61	-.91	-1.08	-.29	-.47
17:00	2.5	2.3	2.1	1.9	-.18	-.43	-.56	-.25	-.39
18:00	-.4	1.3	1.5	1.7	1.69	1.90	2.06	.21	.37
19:00	-1.2	.4	.9	1.2	1.61	2.05	2.39	.44	.78
20:00	-2.6	-.8	-.1	.3	1.82	2.54	2.87	.71	1.04
21:00	-3.5	-1.6	-1.0	-.2	1.90	2.45	3.24	.55	1.34
22:00	-4.3	-2.4	-1.6	-.7	1.94	2.76	3.66	.82	1.72
23:00	-3.6	-2.8	-2.2	-.8	.85	1.43	2.78	.58	1.93
Avg	-2.9	-2.7	-2.7	-2.6	.24	.23	.28	-.02	.04
Max	2.8	2.3	2.1	1.9	1.94	2.76	3.66	.82	1.93
Hr. of Max	16	17	17	17	22	22	22	22	23
Min	-7.2	-6.1	-6.3	-6.4	-1.04	-1.37	-1.57	-.33	-.58
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)

2/13/2015

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	-13.0	-13.8	-10.1	4.7	51.5	48.0	1.8	1.7	0.001416
01:00	-13.4	-14.2	-10.5	4.5	50.4	47.2	1.8	1.7	0.001368
02:00	-13.6	-14.3	-10.8	4.4	51.6	48.4	1.7	1.6	0.001342
03:00	-13.7	-14.6	-11.2	4.2	55.3	49.6	1.7	1.6	0.001331
04:00	-13.1	-14.9	-11.2	4.1	63.1	50.0	1.8	1.6	0.001397
05:00	-13.3	-14.7	-11.0	4.0	58.7	50.8	1.8	1.6	0.001383
06:00	-13.7	-14.4	-11.1	3.8	55.2	51.9	1.7	1.6	0.001337
07:00	-13.6	-14.3	-11.2	3.7	55.8	52.8	1.7	1.6	0.00134
08:00	-13.2	-13.9	-10.7	3.6	55.6	53.3	1.8	1.7	0.001384
09:00	-12.9	-13.7	-10.2	3.5	52.5	50.9	1.8	1.7	0.001421
10:00	-13.1	-13.9	-10.1	3.4	49.2	47.8	1.8	1.7	0.001401
11:00	-13.3	-14.3	-9.7	3.4	44.4	43.1	1.8	1.6	0.001389
12:00	-13.7	-15.0	-9.5	3.3	37.9	36.9	1.7	1.5	0.001341
13:00	-14.1	-15.1	-9.3	3.4	33.4	33.2	1.6	1.5	0.001305
14:00	-15.1	-16.2	-9.5	3.7	28.1	27.5	1.5	1.4	0.001215
15:00	-15.8	-16.9	-9.6	4.1	24.8	24.0	1.4	1.3	0.001149
16:00	-16.2	-17.3	-9.9	4.3	23.6	22.5	1.4	1.3	0.001109
17:00	-16.6	-17.7	-10.3	4.5	23.3	21.6	1.3	1.2	0.001069
18:00	-13.2	-16.9	-8.9	4.6	38.0	24.7	1.8	1.3	0.00141
19:00	-11.4	-16.3	-8.0	4.6	46.2	27.8	2.1	1.4	0.00162
20:00	-11.1	-15.5	-8.2	4.6	52.6	32.2	2.1	1.5	0.001664
21:00	-11.2	-14.6	-8.6	4.5	55.4	36.8	2.1	1.6	0.001641
22:00	-11.3	-14.6	-9.0	4.3	58.7	38.8	2.1	1.6	0.001632
23:00	-10.3	-12.9	-8.1	4.2	60.0	46.0	2.2	1.8	0.00176
Avg	-13.3	-15.0	-9.9	4.1	46.9	40.2	1.8	1.5	0.001393
Max	-10.3	-12.9	-8.0	4.7	63.1	53.3	2.2	1.8	0.00176
Hr. of Max	23	23	19	00	04	08	23	23	23
Min	-16.6	-17.7	-11.2	3.3	23.3	21.6	1.3	1.2	0.001069
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)

2/13/2015

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	0.001327	2.3	2.1	.00	29.39	995.4	-2.4	.00	1.8
01:00	0.001289	2.2	2.1	.00	29.38	995.0	-2.0	.00	47.7
02:00	0.001275	2.1	2.0	.00	29.39	995.4	-2.2	.00	39.8
03:00	0.00124	2.1	2.0	.00	29.41	995.9	-2.7	.00	34.6
04:00	0.001206	2.2	1.9	.00	29.40	995.7	-2.5	.00	14.3
05:00	0.00123	2.2	2.0	.00	29.40	995.8	-2.4	.00	30.0
06:00	0.001261	2.1	2.0	.00	29.40	995.6	-2.2	.00	24.7
07:00	0.001272	2.1	2.0	.00	29.42	996.2	8.5	.01	4.8
08:00	0.001313	2.2	2.1	.00	29.43	996.5	90.9	.13	22.1
09:00	0.001337	2.3	2.1	.00	29.43	996.8	213.6	.31	43.1
10:00	0.001319	2.2	2.1	.00	29.43	996.7	305.2	.44	41.9
11:00	0.001279	2.2	2.0	.00	29.42	996.3	535.1	.77	14.9
12:00	0.001208	2.1	1.9	.00	29.40	995.5	711.1	1.02	98.5
13:00	0.001201	2.1	1.9	.00	29.36	994.3	720.8	1.03	124.1
14:00	0.001102	1.9	1.8	.00	29.32	993.1	658.9	.94	112.2
15:00	0.001047	1.8	1.7	.00	29.30	992.1	518.9	.74	213.2
16:00	0.001011	1.8	1.6	.00	29.29	991.8	345.6	.50	201.3
17:00	0.000978	1.7	1.6	.00	29.28	991.4	120.2	.17	227.8
18:00	0.00104	2.2	1.7	.00	29.27	991.2	.4	.00	260.2
19:00	0.001098	2.6	1.7	.00	29.26	990.9	-2.4	.00	276.1
20:00	0.001166	2.6	1.9	.00	29.26	990.8	-2.5	.00	276.1
21:00	0.001257	2.6	2.0	.00	29.25	990.7	-2.3	.00	32.9
22:00	0.001249	2.6	2.0	.00	29.26	990.8	-2.6	.00	245.3
23:00	0.001441	2.8	2.3	.00	29.26	990.9	-2.5	.00	242.8
Avg	0.001214	2.2	1.9	.00	29.35	994.0	175.0	.25	16.0
Max	0.001441	2.8	2.3	.00	29.43	996.8	720.8	1.03	276.1
Hr. of Max	23	23	23	23	10	09	13	13	20
Min	0.000978	1.7	1.6	.00	29.25	990.7	-2.7	.00	1.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/13/2015

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	11.4	13.4	.9	8.5	29.0	19.9	16.8	1.9	4.0
01:00	50.3	50.0	49.9	45.8	30.5	15.9	10.2	2.9	6.0
02:00	43.8	43.9	39.3	39.5	30.7	14.2	11.9	2.2	5.2
03:00	49.6	51.8	36.1	47.9	24.5	12.2	7.2	1.9	4.5
04:00	26.8	31.0	14.2	25.3	18.2	9.8	8.7	1.7	4.1
05:00	32.6	31.8	31.9	26.3	24.2	13.3	9.5	1.9	4.7
06:00	31.6	33.6	29.4	28.9	31.4	15.7	12.1	1.9	4.4
07:00	7.5	8.2	9.2	3.7	29.2	15.8	13.8	1.5	3.5
08:00	19.9	25.2	20.3	19.9	38.8	19.8	17.0	1.4	2.9
09:00	42.9	42.3	46.0	37.9	41.5	28.8	23.4	2.6	4.0
10:00	32.8	30.3	39.8	25.1	66.9	56.6	44.1	1.1	1.8
11:00	20.0	34.0	16.1	29.0	79.0	72.4	65.3	1.1	1.3
12:00	89.6	78.3	103.0	77.7	54.8	58.8	51.6	2.3	2.1
13:00	126.6	122.3	127.7	121.9	40.9	33.3	32.7	2.6	2.8
14:00	114.0	110.7	113.3	106.2	41.1	38.4	48.3	2.5	2.6
15:00	216.6	217.1	216.0	219.0	51.2	45.2	51.8	2.3	2.7
16:00	206.8	212.1	205.4	213.8	37.2	33.2	27.6	3.3	4.1
17:00	231.8	227.8	231.9	230.1	20.8	15.9	14.8	2.9	4.1
18:00	181.2	179.3	258.6	181.6	32.3	18.0	9.3	.3	1.4
19:00	236.3	190.9	272.9	192.0	29.9	18.2	8.4	.4	1.4
20:00	249.3	212.6	269.5	214.5	34.7	15.8	9.1	.3	1.3
21:00	72.7	232.7	46.9	232.3	31.6	26.3	24.5	.1	.3
22:00	225.1	241.0	246.0	242.2	16.2	20.2	7.1	1.7	2.2
23:00	222.2	246.7	245.7	247.9	13.5	5.1	5.5	1.4	3.8
Avg	51.0	57.0	19.0	42.0	35.3	26.0	22.1	.0	.0
Max	249.3	246.7	272.9	247.9	79.0	72.4	65.3	3.3	6.0
Hr. of Max	20	23	19	23	11	11	11	16	01
Min	7.5	8.2	.9	3.7	13.5	5.1	5.5	.1	.3
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)

2/13/2015

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	5.1	2.2	4.3	5.5	2.6	5.9	-1.9	-.2	-.22
01:00	7.8	3.1	6.2	7.9	3.8	8.4	1.7	-.4	-.17
02:00	6.5	2.5	5.3	6.6	3.0	7.1	-1.1	-.4	-.18
03:00	6.4	2.0	4.6	6.4	2.5	6.8	-4.5	-1.4	-.27
04:00	5.6	1.9	4.2	5.7	2.1	6.1	-3.3	-.8	-.18
05:00	6.1	2.1	4.9	6.3	2.6	6.7	.7	-1.0	-.09
06:00	5.4	2.1	4.5	5.6	2.7	6.0	-1.3	-.3	-.23
07:00	4.8	1.7	3.6	5.0	2.3	5.4	-2.2	.8	-.19
08:00	3.6	1.6	3.0	3.8	2.1	4.2	2.1	1.1	-.08
09:00	4.5	3.4	4.5	5.0	4.0	5.5	-1.0	.5	-.21
10:00	2.3	1.9	2.5	2.9	2.8	3.7	-2.9	-3.4	-.15
11:00	1.4	2.5	2.5	2.3	3.2	3.2	-.8	6.4	-.17
12:00	2.0	3.0	2.9	2.7	3.9	3.7	2.2	7.1	.09
13:00	2.6	3.2	3.4	3.1	4.1	4.1	-2.8	-2.7	-.10
14:00	2.4	3.1	3.1	3.0	3.9	4.0	3.6	3.9	.26
15:00	2.5	3.6	3.9	3.8	4.2	4.7	-1.6	.8	-.10
16:00	4.5	3.9	4.7	5.0	4.6	5.7	1.4	-.4	-.01
17:00	4.9	3.2	4.3	5.1	3.9	5.7	-.8	.8	-.16
18:00	3.0	.3	1.6	3.2	.8	3.6	2.3	1.3	.04
19:00	3.1	.4	1.4	3.1	1.0	3.5	1.4	1.2	.02
20:00	2.8	.3	1.3	2.9	.9	3.4	1.0	1.1	.02
21:00	1.2	.3	.5	1.2	.8	1.7	2.1	1.2	.03
22:00	3.0	1.7	2.2	3.1	2.3	3.6	.6	1.4	.01
23:00	3.3	1.5	3.8	3.3	2.0	3.8	-.2	2.3	-.02
Avg	.0	2.1	3.5	4.3	2.8	4.9	-.2	.8	-.09
Max	7.8	3.9	6.2	7.9	4.6	8.4	3.6	7.1	.26
Hr. of Max	01	16	01	01	16	01	14	12	14
Min	1.2	.3	.5	1.2	.8	1.7	-4.5	-3.4	-.27
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)

2/13/2015

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	-.13	7.3	11.4	11.7	8.4	12.1	17.9	10.5
01:00	-.12	11.7	12.6	13.5	11.4	13.9	21.8	8.3
02:00	-.17	12.8	13.7	16.3	15.0	15.1	20.0	9.1
03:00	-.19	11.4	15.3	13.7	8.2	11.7	16.4	5.6
04:00	-.11	4.6	7.6	11.2	5.4	10.6	13.9	5.9
05:00	-.16	6.2	11.9	16.7	7.4	11.1	18.9	7.6
06:00	-.12	6.2	9.8	11.7	8.6	12.4	20.1	9.8
07:00	.03	5.3	6.9	13.1	6.7	9.7	19.0	8.0
08:00	.00	7.1	7.3	8.2	7.5	8.9	25.0	13.2
09:00	.00	10.1	10.5	11.0	10.3	11.5	21.8	17.2
10:00	-.11	12.4	9.8	11.4	7.7	9.5	28.6	30.1
11:00	.20	8.9	8.2	8.0	9.6	8.9	27.8	34.8
12:00	.33	10.5	8.7	8.5	11.0	10.2	27.3	34.9
13:00	-.01	9.2	8.9	9.6	9.6	10.0	24.8	32.4
14:00	.38	8.5	10.1	9.6	9.7	10.8	27.0	29.8
15:00	.03	10.5	10.5	14.9	12.5	11.2	23.3	24.8
16:00	-.13	10.1	11.0	15.3	10.9	11.7	21.7	19.9
17:00	.01	8.7	9.2	12.1	10.1	11.0	13.4	11.0
18:00	.08	2.5	4.1	8.2	2.7	6.6	11.2	4.9
19:00	.07	2.1	3.7	6.0	2.6	6.5	9.7	5.0
20:00	.06	1.6	3.7	4.6	2.2	5.2	7.4	4.2
21:00	.05	1.4	2.5	6.2	1.8	4.4	8.1	8.6
22:00	.11	4.6	4.6	6.2	5.1	6.9	4.8	5.0
23:00	.15	3.4	7.1	8.9	3.8	6.4	6.3	3.4
Avg	.01	7.4	8.7	10.7	7.8	9.8	18.2	14.3
Max	.38	12.8	15.3	16.7	15.0	15.1	28.6	34.9
Hr. of Max	14	02	03	05	02	02	10	12
Min	-.19	1.4	2.5	4.6	1.8	4.4	4.8	3.4
Count	24	24	24	24	24	24	24	24
Total								