Date Printed: 08/04/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/3/2015

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	18.3	19.7	20.2	21.0	1.35	1.89	2.63	.54	1.27
01:00	17.8	19.1	19.4	20.1	1.22	1.55	2.22	.33	1.00
02:00	17.4	18.5	19.0	19.3	1.10	1.59	1.88	.49	.78
03:00	16.9	18.0	18.4	18.8	1.03	1.47	1.89	.44	.85
04:00	16.4	17.4	17.8	18.3	1.06	1.46	1.96	.41	.90
05:00	16.0	17.1	17.4	17.8	1.15	1.47	1.86	.32	.72
06:00	15.7	16.8	17.2	17.7	1.12	1.47	1.95	.35	.83
07:00	16.3	16.9	17.4	17.5	.60	1.06	1.23	.46	.64
08:00	19.0	18.8	18.6	18.6	-.21	-.37	-.42	-.16	-.21
09:00	22.0	21.4	21.2	21.1	-.58	-.82	-.91	-.23	-.33
10:00	25.1	24.2	24.0	23.8	-.84	-1.12	-1.25	-.28	-.42
11:00	27.6	26.6	26.4	26.2	-.98	-1.25	-1.42	-.26	-.43
12:00	29.2	28.1	27.8	27.7	-1.17	-1.39	-1.52	-.22	-.35
13:00	30.5	29.1	28.8	28.7	-1.37	-1.68	-1.77	-.30	-.40
14:00	31.0	29.7	29.4	29.3	-1.29	-1.58	-1.75	-.30	-.46
15:00	31.8	30.5	30.2	30.0	-1.33	-1.62	-1.74	-.29	-.41
16:00	31.9	30.8	30.4	30.3	-1.14	-1.49	-1.66	-.35	-.52
17:00	31.8	31.0	30.6	30.4	-.80	-1.14	-1.38	-.34	-.58
18:00	31.0	30.5	30.3	30.3	-.46	-.64	-.73	-.18	-.27
19:00	27.9	28.8	29.3	29.6	.85	1.38	1.64	.52	.78
20:00	25.2	26.5	27.6	28.3	1.30	2.46	3.15	1.16	1.85
21:00	23.1	24.8	25.7	26.3	1.78	2.68	3.19	.90	1.41
22:00	22.0	23.6	24.3	25.0	1.62	2.32	2.99	.70	1.37
23:00	21.5	22.7	23.3	23.9	1.23	1.85	2.40	.62	1.17
Avg	23.6	23.8	23.9	24.2	.22	.40	.60	.18	.38
Max	31.9	31.0	30.6	30.4	1.78	2.68	3.19	1.16	1.85
Hr. of Max	16	17	17	17	21	21	21	20	20
Min	15.7	16.8	17.2	17.5	-1.37	-1.68	-1.77	-.35	-.58
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/3/2015

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	16.1	17.0	16.8	27.6	88.4	86.4	13.6	14.4	0.011832
01:00	16.0	17.0	16.6	27.4	90.4	89.5	13.5	14.4	0.01172
02:00	15.7	16.8	16.3	27.1	91.4	91.4	13.3	14.2	0.011525
03:00	15.4	16.7	15.9	26.9	92.1	93.8	13.1	14.1	0.011284
04:00	14.9	16.2	15.4	26.7	92.7	94.0	12.7	13.7	0.010959
05:00	14.6	15.9	15.0	26.4	93.2	94.6	12.5	13.5	0.010716
06:00	14.3	15.7	14.8	26.2	93.2	95.1	12.3	13.4	0.010541
07:00	14.9	15.7	15.3	25.9	92.9	94.7	12.7	13.4	0.010914
08:00	16.2	15.6	17.1	25.7	85.6	83.7	13.7	13.2	0.011893
09:00	17.1	16.3	18.7	25.5	75.5	74.2	14.4	13.7	0.012646
10:00	17.9	17.3	20.3	25.5	66.0	66.7	15.0	14.4	0.013313
11:00	17.5	16.8	20.9	25.6	55.7	56.3	14.6	13.9	0.013042
12:00	16.4	16.0	20.7	26.0	47.2	49.4	13.5	13.3	0.012147
13:00	15.4	14.9	20.4	26.6	41.2	43.2	12.6	12.3	0.011411
14:00	14.0	13.9	19.6	27.3	36.5	39.0	11.6	11.5	0.010432
15:00	14.1	13.9	20.0	27.8	35.2	37.6	11.6	11.5	0.010519
16:00	14.4	13.9	20.2	28.0	35.7	36.8	11.8	11.5	0.01073
17:00	15.5	15.1	20.9	28.3	38.6	39.4	12.7	12.4	0.011508
18:00	17.6	16.9	22.0	28.5	46.4	45.5	14.5	14.0	0.013178
19:00	19.7	18.7	22.4	28.6	62.7	56.2	16.6	15.6	0.014979
20:00	19.7	18.5	21.5	28.7	73.6	63.2	16.8	15.5	0.014954
21:00	17.9	18.2	19.6	28.6	74.5	68.5	15.1	15.3	0.013334
22:00	18.3	18.7	19.5	28.5	81.4	75.9	15.5	15.8	0.013604
23:00	18.7	19.0	19.6	28.3	86.3	81.4	15.9	16.1	0.014004
Avg	16.3	16.4	18.7	27.2	69.9	69.0	13.7	13.8	0.012133
Max	19.7	19.0	22.4	28.7	93.2	95.1	16.8	16.1	0.014979
Hr. of Max	20	23	19	20	06	06	20	23	19
Min	14.0	13.9	14.8	25.5	35.2	36.8	11.6	11.5	0.010432
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)

8/3/2015

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	0.012584	18.3	19.5	.00	29.02	982.8	-1.0	.00	290.1
01:00	0.012523	18.2	19.4	.00	29.02	982.9	-2.5	.00	312.5
02:00	0.012348	17.9	19.1	.00	29.02	982.7	-3.2	.00	319.3
03:00	0.012268	17.5	19.0	.00	29.01	982.5	-1.3	.00	291.2
04:00	0.011874	17.0	18.4	.00	29.01	982.5	-1.2	.00	303.1
05:00	0.011701	16.6	18.1	.00	29.01	982.5	-.9	.00	356.5
06:00	0.01156	16.4	17.9	.00	29.03	982.9	2.6	.00	281.8
07:00	0.01155	17.0	17.9	.00	29.04	983.5	56.1	.08	357.7
08:00	0.011459	18.5	17.8	.00	29.05	983.9	279.8	.40	107.8
09:00	0.011999	19.6	18.6	.00	29.06	984.2	525.0	.75	108.5
10:00	0.012786	20.6	19.8	.00	29.06	984.2	710.2	1.02	108.3
11:00	0.012432	20.2	19.3	.00	29.07	984.3	853.6	1.22	159.0
12:00	0.011869	18.9	18.4	.00	29.06	984.1	936.7	1.34	282.2
13:00	0.011052	17.7	17.2	.00	29.05	983.8	986.4	1.41	160.3
14:00	0.010339	16.2	16.1	.00	29.04	983.6	965.5	1.38	128.6
15:00	0.010388	16.4	16.2	.00	29.03	983.3	891.6	1.28	241.3
16:00	0.010386	16.7	16.1	.00	29.02	982.9	685.0	.98	168.4
17:00	0.01123	17.9	17.4	.00	29.02	982.8	295.8	.42	187.8
18:00	0.012631	20.4	19.6	.00	29.02	982.6	256.4	.37	242.9
19:00	0.014113	23.1	21.8	.00	29.03	982.9	131.4	.19	270.5
20:00	0.013866	23.1	21.4	.00	29.03	983.1	11.2	.02	314.6
21:00	0.013636	20.6	21.1	.00	29.03	983.0	-1.7	.00	287.4
22:00	0.013993	21.1	21.6	.00	29.04	983.6	-2.9	.00	316.0
23:00	0.014226	21.7	22.0	.00	29.06	984.1	-1.5	.00	323.9
Avg	0.012201	18.8	18.9	.00	29.03	983.3	315.5	.45	279.0
Max	0.014226	23.1	22.0	.00	29.07	984.3	986.4	1.41	357.7
Hr. of Max	23	20	23	23	11	11	13	13	07
Min	0.010339	16.2	16.1	.00	29.01	982.5	-3.2	.00	107.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/3/2015

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	215.5	189.1	292.1	189.4	24.7	16.0	19.9	.7	1.7
01:00	223.7	217.8	316.1	206.7	39.4	33.2	22.0	.5	1.5
02:00	64.0	65.8	315.0	60.5	45.0	10.6	23.1	.5	.7
03:00	91.5	37.1	284.0	38.2	10.7	17.1	19.4	.5	.1
04:00	143.9	40.3	305.5	140.4	40.1	33.7	34.3	.6	.4
05:00	103.5	181.9	357.5	171.2	34.8	42.5	30.6	.7	.5
06:00	96.6	30.4	275.3	32.1	30.7	34.1	20.1	.5	.3
07:00	84.2	46.4	341.7	41.9	34.7	22.8	17.9	.1	.7
08:00	92.6	75.9	119.7	72.9	45.9	21.7	22.3	.4	.8
09:00	115.9	111.0	112.9	109.0	32.1	25.7	27.2	1.6	1.8
10:00	119.3	123.0	105.0	116.2	55.3	39.2	46.3	1.4	1.4
11:00	163.2	164.1	168.5	162.3	62.1	55.3	52.0	1.4	1.6
12:00	291.7	287.1	290.1	287.0	68.2	62.0	58.0	1.2	1.5
13:00	173.9	182.6	163.0	181.9	56.8	52.8	49.6	2.0	2.1
14:00	131.4	131.6	129.7	131.8	39.0	39.7	43.8	1.3	1.5
15:00	259.0	255.9	243.9	254.0	53.5	57.2	46.1	1.6	1.6
16:00	172.5	176.1	172.8	175.7	36.2	31.5	36.1	2.1	2.3
17:00	194.8	201.6	191.2	202.5	29.3	24.9	22.0	2.5	3.1
18:00	238.5	233.2	245.2	234.6	23.1	18.2	13.4	2.1	3.2
19:00	228.7	222.9	269.2	224.9	14.3	11.3	7.3	1.4	2.9
20:00	93.4	217.2	316.1	208.9	19.8	32.6	33.0	.8	.3
21:00	130.1	70.2	286.2	96.0	15.0	40.7	26.9	.8	.3
22:00	97.6	258.4	313.6	248.2	26.5	35.1	27.2	.3	.0
23:00	78.8	77.0	321.4	96.2	40.8	11.4	27.6	.4	.5
Avg	138.0	154.0	276.0	157.0	36.6	32.1	30.3	.0	.0
Max	291.7	287.1	357.5	287.0	68.2	62.0	58.0	2.5	3.2
Hr. of Max	12	12	05	12	12	12	12	17	18
Min	64.0	30.4	105.0	32.1	10.7	10.6	7.3	.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)

8/3/2015

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	1.1	.8	1.8	1.2	1.0	1.6	.1	-.7	.01
01:00	.7	.6	1.5	.7	.9	1.1	2.8	-1.1	.04
02:00	1.2	.6	.8	1.2	.8	1.5	-.8	-.9	-.01
03:00	.5	.6	.2	.5	.7	.8	-2.8	-1.1	-.03
04:00	.2	.7	.8	.4	.9	.7	2.2	.9	.05
05:00	.4	.9	.9	.7	1.2	1.1	.6	.1	.02
06:00	.8	.6	.3	.8	1.2	1.1	.9	.6	.02
07:00	1.5	.1	.8	1.5	.6	1.8	1.7	.2	.02
08:00	1.3	.6	1.1	1.6	1.0	2.0	1.8	-1.1	.03
09:00	1.8	1.9	1.9	1.9	2.4	2.4	-2.5	-9.5	-.05
10:00	1.3	2.1	1.9	1.9	2.6	2.5	-.1	.7	.03
11:00	1.5	2.2	2.3	2.0	2.8	2.7	-6.9	-13.2	-.29
12:00	1.5	3.0	2.8	2.6	3.5	3.3	-5.2	-6.9	-.38
13:00	2.3	3.1	3.3	3.5	3.8	4.1	1.6	7.4	.11
14:00	1.4	3.0	3.2	3.1	3.6	3.8	-3.8	-8.8	-.17
15:00	1.9	2.6	2.8	2.9	3.2	3.5	3.2	4.5	.21
16:00	2.3	2.8	3.0	2.9	3.4	3.6	2.0	-.5	.10
17:00	3.5	2.9	3.5	3.8	3.5	4.2	3.6	.6	.19
18:00	4.2	2.4	3.5	4.3	2.9	4.7	1.7	2.3	-.02
19:00	4.1	1.4	3.0	4.2	1.7	4.5	-1.4	-.6	-.07
20:00	1.4	.8	1.2	1.8	1.1	2.1	-1.4	.0	-.03
21:00	.1	.8	.8	.3	1.1	.6	.2	-.5	.00
22:00	.7	.5	.6	.7	.8	1.0	.0	-.3	.00
23:00	.6	.5	.5	.6	.9	.9	2.0	-.8	.03
Avg	.0	1.5	1.8	1.9	1.9	2.3	.0	-1.2	-.01
Max	4.2	3.1	3.5	4.3	3.8	4.7	3.6	7.4	.21
Hr. of Max	18	13	18	18	13	18	17	13	15
Min	.1	.1	.2	.3	.6	.6	-6.9	-13.2	-.38
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/3/2015

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	-.02	1.8	3.2	2.5	2.2	3.0	8.6	7.4
01:00	-.02	2.7	5.3	4.8	2.3	3.9	9.5	7.9
02:00	-.02	1.6	1.8	2.1	1.8	2.3	8.4	8.0
03:00	-.02	1.4	1.1	3.7	1.5	2.0	7.5	4.9
04:00	.01	2.1	2.1	1.4	2.4	1.5	6.9	6.9
05:00	.01	2.7	2.5	2.3	2.8	2.7	8.1	6.0
06:00	.02	2.1	4.1	3.0	2.3	2.2	6.0	9.6
07:00	.01	1.4	2.3	3.0	1.7	3.2	7.4	7.3
08:00	-.02	3.0	3.7	4.4	3.3	4.5	26.6	17.1
09:00	-.46	4.8	4.6	4.8	6.1	5.5	25.1	26.3
10:00	.01	5.5	5.7	5.3	6.5	6.5	27.7	32.5
11:00	-.67	7.6	6.9	6.4	7.6	7.6	27.2	33.3
12:00	-.47	7.3	7.6	7.3	8.0	7.9	22.5	31.7
13:00	.38	8.9	8.0	8.7	10.6	10.0	25.2	28.3
14:00	-.58	8.5	8.5	9.2	9.7	10.3	27.3	31.2
15:00	.15	8.2	7.1	7.1	9.3	8.6	27.9	31.3
16:00	-.10	9.2	10.8	10.3	7.7	7.5	22.7	28.3
17:00	.04	10.1	11.2	12.4	7.3	8.4	19.8	19.5
18:00	.12	7.3	8.2	7.6	7.4	8.6	18.8	12.2
19:00	-.05	2.7	6.9	7.6	3.3	6.4	8.6	4.1
20:00	.00	3.9	6.9	8.9	2.5	5.3	10.5	3.7
21:00	-.01	3.0	2.3	1.8	2.3	2.1	5.5	6.5
22:00	.01	1.8	2.5	3.2	2.0	2.8	6.9	6.7
23:00	-.01	1.6	2.1	1.8	1.9	2.2	7.1	4.0
Avg	-.07	4.6	5.2	5.4	4.7	5.2	15.5	15.6
Max	.38	10.1	11.2	12.4	10.6	10.3	27.9	33.3
Hr. of Max	13	17	17	17	13	14	15	11
Min	-.67	1.4	1.1	1.4	1.5	1.5	5.5	3.7
Count	24	24	24	24	24	24	24	24
Total								