Date Printed: 08/20/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/19/2015

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	21.7	22.4	22.4	22.5	.67	.73	.84	.06	.18
01:00	21.3	21.9	22.0	22.2	.61	.74	.90	.13	.29
02:00	20.7	21.5	21.8	22.1	.77	1.07	1.32	.30	.55
03:00	21.0	21.6	21.8	22.0	.55	.84	1.03	.29	.49
04:00	21.5	21.8	22.1	22.3	.31	.55	.79	.25	.48
05:00	21.9	22.1	22.2	22.4	.16	.30	.49	.14	.33
06:00	22.1	22.3	22.4	22.6	.27	.32	.49	.05	.22
07:00	22.3	22.4	22.3	22.4	.07	-.01	.09	-.08	.02
08:00	22.1 P	22.1 P	22.0 P	22.1 P	P	P	P	P	P
09:00	22.9	22.7	22.6	22.6	-.17	-.32	-.29	-.15	-.12
10:00	23.4	23.3	23.1	23.1	-.19	-.37	-.38	-.18	-.19
11:00	25.3	24.8	24.6	24.6	-.43	-.62	-.66	-.19	-.23
12:00	26.2	25.8	25.7	25.6	-.35	-.52	-.56	-.17	-.22
13:00	26.7	26.3	26.1	26.1	-.44	-.62	-.64	-.18	-.21
14:00	28.2	27.5	27.3	27.2	-.65	-.90	-.96	-.26	-.32
15:00	29.0	28.1	27.8	27.7	-.86	-1.17	-1.27	-.32	-.41
16:00	27.7	27.5	27.3	27.3	-.21	-.40	-.44	-.19	-.23
17:00	27.0	26.8	26.6	26.6	-.18	-.34	-.35	-.16	-.17
18:00	25.3	25.3	25.3	25.5	-.04	-.01	.24	.04	.28
19:00	23.9	24.0	24.3	24.5	.14	.39	.64	.25	.50
20:00	22.1	22.1	22.1	22.3	.03	.08	.20	.06	.17
21:00	21.9	21.9	21.9	22.1	.06	.04	.25	-.02	.20
22:00	21.1	21.2	21.1	21.3	.07	.00	.13	-.07	.06
23:00	21.4	21.6	21.6	21.7	.19	.22	.29	.03	.10
Avg	23.6	23.6	23.6	23.7	.02	.00	.09	-.02	.08
Max	29.0	28.1	27.8	27.7	.77	1.07	1.32	.30	.55
Hr. of Max	15	15	15	15	02	02	02	02	02
Min	20.7	21.2	21.1	21.3	-.86	-1.17	-1.27	-.32	-.41
Count	24	24	24	24	23	23	23	23	23
Total									

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Daily Summary Report

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8/19/2015

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	21.0	21.3	21.2	25.4	98.2	96.1	18.3	18.6	0.016173
01:00	20.6	20.9	20.8	25.3	98.3	96.7	17.9	18.2	0.01579
02:00	20.1	20.8	20.3	25.3	98.3	97.9	17.4	18.1	0.01527
03:00	20.3	20.9	20.6	25.2	98.3	98.2	17.6	18.2	0.015528
04:00	20.8	21.0	21.1	25.1	98.4	97.9	18.2	18.4	0.016022
05:00	21.3	21.2	21.5	25.1	98.5	97.1	18.6	18.5	0.016456
06:00	21.4	21.3	21.6	25.0	98.5	96.3	18.8	18.6	0.016586
07:00	21.6	21.2	21.9	25.0	98.5	95.7	19.0	18.6	0.016832
08:00	P	P	P	24.9 P	98.5 P	95.1 P	P	P	P
09:00	22.2	21.5	22.4	24.9	98.5	95.1	19.6	18.8	0.017434
10:00	22.7	22.1	23.0	24.9	98.5	95.7	20.2	19.5	0.018008
11:00	24.5	21.9	24.7	24.8	98.5	86.2	22.4	19.2	0.020086
12:00	25.3	21.6	25.6	24.9	98.1	79.6	23.4	18.8	0.021133
13:00	25.6	21.9	25.9	25.0	96.8	79.3	23.8	19.1	0.021509
14:00	23.4	21.8	25.0	25.1	78.2	73.3	20.9	18.9	0.01894
15:00	22.1	21.3	24.4	25.2	68.6	68.7	19.2	18.4	0.017403
16:00	22.1	21.8	24.0	25.4	73.7	73.3	19.2	18.9	0.017398
17:00	22.6	22.2	24.0	25.6	79.5	78.5	19.9	19.4	0.017951
18:00	21.7	21.2	22.9	25.7	82.9	80.7	18.9	18.4	0.016989
19:00	22.1	22.1	22.7	25.8	92.5	91.4	19.5	19.4	0.017417
20:00	20.9	20.9	21.3	25.9	95.4	95.1	18.2	18.1	0.016071
21:00	20.7	20.8	21.1	25.1	95.5	95.6	18.0	18.1	0.015893
22:00	20.1	20.3	20.5	23.6	96.5	97.0	17.4	17.6	0.015315
23:00	20.5	20.7	20.8	23.5	97.0	97.2	17.8	18.0	0.015694
Avg	21.9	21.3	22.5	25.1	93.2	89.9	19.3	18.6	0.017213
Max	25.6	22.2	25.9	25.9	98.5	98.2	23.8	19.5	0.021509
Hr. of Max	13	17	13	20	11	03	13	10	13
Min	20.1	20.3	20.3	23.5	68.6	68.7	17.4	17.6	0.01527
Count	23	23	23	24	24	24	23	23	23
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

8/19/2015

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	0.016471	24.9	25.4	.00	29.05	983.6	-2.1	.00	255.0
01:00	0.016119	24.4	24.8	.00	29.05	983.6	-2.3	.00	267.8
02:00	0.015945	23.6	24.6	.00	29.03	983.2	-2.5	.00	256.7
03:00	0.01604	23.9	24.7	.00	29.03	983.0	-2.2	.00	245.2
04:00	0.01624	24.7	25.0	.00	29.03	983.0	-1.9	.00	241.3
05:00	0.016377	25.3	25.2	.00	29.04	983.4	-1.9	.00	226.6
06:00	0.016477	25.5	25.4	.00	29.04	983.6	-1.6	.00	240.3
07:00	0.016427	25.9	25.3	.01	29.05	983.8	10.5	.02	220.1
08:00	P	P	P	.00 P	29.07 P	984.3 P	32.3 P	.05 P	225.0 P
09:00	0.016656	26.8	25.7	.08	29.08	984.7	93.2	.13	223.9
10:00	0.017299	27.7	26.6	.01	29.08	984.7	159.3	.23	208.4
11:00	0.01712	30.8	26.4	.00	29.07	984.6	415.6	.60	219.7
12:00	0.016802	32.3	25.9	.00	29.07	984.4	331.8	.48	222.0
13:00	0.017162	32.9	26.4	.02	29.05	983.8	563.3	.81	216.5
14:00	0.017094	29.0	26.3	.00	29.03	983.0	799.6	1.15	199.3
15:00	0.01659	26.7	25.5	.00	29.01	982.3	852.8	1.22	207.4
16:00	0.017107	26.7	26.3	.00	28.99	981.6	222.5	.32	184.2
17:00	0.017521	27.5	26.9	.00	28.98	981.5	198.5	.28	229.0
18:00	0.016494	26.1	25.4	.00	28.99	981.7	163.9	.23	251.9
19:00	0.017338	26.7	26.6	.31	28.99	981.8	11.0	.02	276.8
20:00	0.016057	24.7	24.7	.17	29.01	982.4	-1.1	.00	273.3
21:00	0.01596	24.5	24.6	.98	29.05	983.9	-2.6	.00	269.8
22:00	0.015474	23.7	23.9	.57	29.07	984.5	-2.5	.00	182.5
23:00	0.015904	24.2	24.5	.03	29.06	984.0	-3.0	.00	166.2
Avg	0.016551	26.5	25.5	.09	29.04	983.4	159.6	.23	229.0
Max	0.017521	32.9	26.9	.98	29.08	984.7	852.8	1.22	276.8
Hr. of Max	17	13	17	21	10	10	15	15	19
Min	0.015474	23.6	23.9	.00	28.98	981.5	-3.0	.00	166.2
Count	23	23	23	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/19/2015

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	204.6	194.7	250.0	195.2	33.2	16.0	8.4	1.0	2.3
01:00	249.2	240.4	257.4	241.4	29.0	42.8	7.3	.7	1.6
02:00	224.7	245.8	255.8	246.4	16.9	30.6	7.7	.7	1.1
03:00	229.9	246.3	245.0	247.1	30.0	27.6	10.5	.7	1.2
04:00	253.8	250.3	239.7	251.2	25.8	15.6	7.4	.7	2.0
05:00	246.1	253.5	228.6	254.1	26.0	19.6	12.3	1.2	2.6
06:00	229.5	223.8	242.8	225.8	12.4	8.9	5.8	1.3	2.7
07:00	215.3	209.1	223.4	210.4	22.0	14.8	11.3	2.9	4.7
08:00	221.3 P	216.4 P	231.3 P	218.0 P	20.9 P	20.3 P	10.4 P	2.0 P	3.6 P
09:00	222.3	216.1	227.0	216.9	26.3	17.7	12.8	1.6	2.9
10:00	212.3	212.2	211.1	213.6	29.2	23.0	14.9	1.8	3.0
11:00	226.6	225.1	224.6	226.8	27.7	25.2	17.2	3.1	4.3
12:00	224.4	220.5	225.2	221.7	30.7	22.8	18.5	3.0	4.7
13:00	223.8	221.6	222.3	223.4	29.0	22.4	18.4	3.8	5.3
14:00	206.1	207.0	203.9	208.3	30.5	21.5	18.5	5.1	7.0
15:00	212.2	210.6	213.0	212.2	28.8	20.3	16.1	5.4	7.6
16:00	195.4	194.5	190.7	194.8	23.6	18.8	15.9	3.8	5.4
17:00	233.1	230.9	233.3	232.1	30.4	27.0	22.0	2.7	4.1
18:00	206.5	201.3	252.7	200.2	46.1	51.6	40.2	.8	1.2
19:00	68.0	121.7	283.4	120.6	29.9	29.0	31.4	2.3	3.3
20:00	176.7	157.4	274.4	156.1	44.3	50.0	34.4	1.7	2.3
21:00	281.6	280.0	272.7	279.4	29.9	26.4	30.4	5.3	7.6
22:00	181.5	206.6	181.4	208.0	38.8	34.9	45.7	.9	1.7
23:00	150.6	186.8	163.0	186.7	62.5	37.9	21.2	.2	1.0
Avg	217.0	216.0	231.0	217.0	30.2	26.0	18.3	.0	.0
Max	281.6	280.0	283.4	279.4	62.5	51.6	45.7	5.4	7.6
Hr. of Max	21	21	19	21	23	18	22	15	21
Min	68.0	121.7	163.0	120.6	12.4	8.9	5.8	.2	1.0
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)

8/19/2015

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	3.7	1.1	2.4	3.7	1.5	4.0	-1.1	-.8	-.04
01:00	3.0	.8	1.7	3.0	1.1	3.3	-.6	-.5	-.03
02:00	2.5	.7	1.2	2.5	1.3	2.7	-.2	.4	-.01
03:00	2.5	.8	1.3	2.6	1.3	2.8	1.0	.9	.02
04:00	3.8	.8	2.1	3.9	1.3	4.1	1.1	1.1	.02
05:00	4.5	1.5	3.1	4.8	1.8	5.1	.2	1.1	-.01
06:00	4.2	1.4	2.7	4.3	1.7	4.6	-1.1	-1.2	-.05
07:00	6.6	3.2	4.9	6.7	3.6	7.1	-2.2	-1.1	-.20
08:00	5.3 P	2.2 P	3.8 P	5.4 P	2.5 P	5.8 P	.8 P	-.8 P	-.03 P
09:00	4.4	1.7	3.1	4.5	2.1	4.9	1.5	-.9	-.02
10:00	4.8	2.1	3.2	4.9	2.5	5.3	4.3	.4	.09
11:00	5.6	3.5	4.7	5.9	4.1	6.4	1.4	.2	-.05
12:00	5.8	3.5	5.2	6.2	4.0	6.6	.9	.7	-.07
13:00	6.7	4.3	5.8	7.1	4.8	7.6	.6	-1.6	-.09
14:00	8.2	5.7	7.5	8.6	6.2	9.2	1.0	-1.1	-.03
15:00	8.9	6.1	8.1	9.3	6.6	9.9	3.8	-.4	.15
16:00	6.8	4.2	5.8	7.1	4.7	7.4	.0	-1.0	-.17
17:00	5.1	3.5	5.0	5.7	3.9	6.1	-.9	.6	-.18
18:00	1.7	1.1	1.7	2.0	1.6	2.3	1.5	-1.5	.00
19:00	4.3	3.7	5.1	6.0	4.1	6.4	-1.0	.4	-.18
20:00	3.5	2.6	3.6	4.9	3.1	5.2	-1.8	-3.0	-.16
21:00	10.1	6.0	8.5	10.9	6.4	11.2	-1.5	1.4	-.34
22:00	2.7	2.4	3.3	4.3	3.0	4.7	2.7	3.1	.08
23:00	2.4	.4	1.3	2.8	1.0	3.0	2.5	-.9	.04
Avg	.0	2.6	4.0	5.3	3.1	5.7	.5	-.2	-.05
Max	10.1	6.1	8.5	10.9	6.6	11.2	4.3	3.1	.15
Hr. of Max	21	15	21	21	15	21	10	22	15
Min	1.7	.4	1.2	2.0	1.0	2.3	-2.2	-3.0	-.34
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)

8/19/2015

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	-.06	2.7	5.0	6.0	3.1	6.4	11.3	6.0
01:00	-.03	3.7	4.4	7.1	3.4	5.8	9.2	3.0
02:00	.02	2.7	2.7	3.9	3.0	4.1	5.3	2.9
03:00	.03	3.0	3.7	6.4	2.5	5.8	6.2	5.1
04:00	.07	3.0	4.8	7.8	2.9	6.9	9.7	5.4
05:00	.05	6.9	8.7	11.7	6.8	11.8	11.3	6.8
06:00	-.10	2.5	5.3	7.6	3.2	9.1	5.8	3.7
07:00	-.15	14.0	13.5	16.7	12.7	17.1	13.6	7.6
08:00	-.11 P	<	<	<	<	<	<	<
09:00	-.08	7.6	9.6	11.7	8.5	11.5	18.6	10.2
10:00	-.04	8.0	8.0	10.8	7.6	10.7	20.4	11.7
11:00	-.09	9.8	10.5	12.6	10.5	14.1	18.7	13.1
12:00	-.04	9.2	10.8	12.1	9.7	12.6	18.3	11.1
13:00	-.28	11.7	15.3	18.3	13.1	21.1	17.4	11.6
14:00	-.35	16.3	20.2	19.7	19.7	20.9	18.6	13.2
15:00	-.19	24.5	17.4	19.7	14.6	22.0	19.4	12.8
16:00	-.32	13.5	19.2	22.7	14.0	16.6	16.6	11.7
17:00	-.02	13.1	13.3	13.3	14.1	14.4	17.6	12.7
18:00	-.08	6.4	16.5	16.0	8.1	9.0	19.2	13.3
19:00	-.14	27.7	30.0	30.0	26.8	48.3	12.2	11.0
20:00	-.13	18.8	30.0	33.9	18.4	25.1	15.0	12.8
21:00	-.10	23.6	25.4	27.2	23.2	73.3	15.8	13.1
22:00	.21	9.8	19.9	19.9	9.8	15.8	15.6	12.9
23:00	-.10	2.3	4.8	7.8	3.3	6.7	19.7	13.1
Avg	-.08	10.5	13.0	14.9	10.4	16.9	14.6	9.8
Max	.21	27.7	30.0	33.9	26.8	73.3	20.4	13.3
Hr. of Max	22	19	20	20	19	21	10	18
Min	-.35	2.3	2.7	3.9	2.5	4.1	5.3	2.9
Count	24	23	23	23	23	23	23	23
Total								