Date Printed: 06/25/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/24/2015

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	24.0	24.5	25.3	25.9	.49	1.29	1.84	.80	1.35
01:00	23.5	25.5	26.2	26.5	2.02	2.68	3.06	.66	1.04
02:00	24.3	25.8	26.2	26.3	1.48	1.87	2.03	.39	.55
03:00	24.7	25.4	25.5	25.7	.71	.82	1.01	.11	.29
04:00	24.1	24.5	24.6	24.9	.35	.48	.75	.13	.41
05:00	23.8	24.6	24.7	24.8	.82	.89	.96	.07	.14
06:00	24.1	24.2	24.1	24.2	.15	.07	.11	-.08	-.04
07:00	24.0	24.0	23.9	23.9	-.01	-.11	-.14	-.11	-.13
08:00	25.4	25.1	24.9	24.8	-.29	-.54	-.63	-.25	-.34
09:00	27.5	27.0	26.7	26.6	-.54	-.82	-.97	-.28	-.42
10:00	29.1 P	28.6 P	28.2 P	28.1 P	P	P	P	P	P
11:00	29.8	29.4	29.0	28.9	-.41	-.73	-.88	-.33	-.48
12:00	30.6	29.9	29.6	29.4	-.71	-1.03	-1.18	-.31	-.47
13:00	32.2	30.9	30.5	30.3	-1.31	-1.75	-1.90	-.43	-.59
14:00	32.2	31.0	30.7	30.6	-1.20	-1.51	-1.62	-.31	-.42
15:00	32.8	31.7	31.3	31.2	-1.05	-1.43	-1.57	-.38	-.52
16:00	33.1	32.1	31.8	31.7	-1.01	-1.35	-1.45	-.34	-.44
17:00	30.6	30.2	30.3	30.5	-.39	-.34	-.16	.06	.23
18:00	29.0	29.1	29.6	29.9	.12	.57	.92	.44	.80
19:00	28.5	28.3	28.9	29.5	-.16	.48	1.00	.64	1.17
20:00	27.0	27.7	28.1	28.5	.76	1.06	1.51	.31	.75
21:00	25.0	26.0	26.7	27.1	1.03	1.69	2.10	.67	1.07
22:00	24.3	25.2	25.5	25.8	.92	1.22	1.51	.30	.59
23:00	23.8	24.1	24.2	24.4	.30	.42	.67	.12	.37
Avg	27.2	27.3	27.4	27.5	.09	.17	.30	.08	.21
Max	33.1	32.1	31.8	31.7	2.02	2.68	3.06	.80	1.35
Hr. of Max	16	16	16	16	01	01	01	00	00
Min	23.5	24.0	23.9	23.9	-1.31	-1.75	-1.90	-.43	-.59
Count	24	24	24	24	23	23	23	23	23
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/24/2015

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	20.2	19.5	21.5	28.2	81.5	75.5	17.4	16.6	0.015383
01:00	20.1	20.8	21.2	27.9	83.3	77.3	17.2	17.9	0.015213
02:00	21.0	21.1	22.1	27.7	83.8	77.5	18.1	18.2	0.016091
03:00	21.1	21.0	22.3	27.5	82.8	79.0	18.3	18.1	0.016225
04:00	20.9	21.0	22.0	27.3	84.4	83.1	18.1	18.2	0.016045
05:00	21.0	21.1	21.9	27.1	86.4	82.9	18.2	18.3	0.016095
06:00	20.6	20.6	21.8	26.9	83.1	82.5	17.8	17.8	0.015724
07:00	20.6	20.4	21.7	26.7	83.6	82.5	17.8	17.5	0.015723
08:00	20.9	20.7	22.4	26.6	78.2	78.7	18.0	17.8	0.016006
09:00	22.1	21.7	23.9	26.5	74.4	75.0	19.3	18.8	0.017264
10:00	P	P	P	26.5 P	67.2 P	68.3 P	P	P	P
11:00	21.2	20.8	24.0	26.7	61.8	61.9	18.1	17.8	0.016337
12:00	21.1	20.6	24.2	27.1	58.9	59.3	18.0	17.5	0.016266
13:00	20.9	20.6	24.7	27.4	53.1	55.9	17.8	17.5	0.016159
14:00	21.4	21.4	25.0	28.1	54.8	58.4	18.3	18.3	0.016618
15:00	20.7	20.7	24.7	28.6	50.8	53.9	17.5	17.5	0.015967
16:00	19.2	18.9	23.8	28.9	45.4	47.2	15.9	15.7	0.014525
17:00	18.9	18.2	22.8	29.2	51.3	50.0	15.8	15.1	0.014246
18:00	20.5	19.3	23.3	29.3	61.8	57.4	17.4	16.3	0.01566
19:00	21.1	21.4	23.6	29.3	66.6	68.4	18.1	18.5	0.016328
20:00	21.9	21.9	23.6	29.2	75.8	72.7	19.0	19.0	0.017034
21:00	22.0	22.4	23.0	29.1	86.0	82.9	19.3	19.7	0.017221
22:00	21.7	22.4	22.5	28.9	87.9	86.8	19.0	19.7	0.01682
23:00	21.7	22.1	22.4	28.6	90.7	91.3	19.0	19.4	0.016819
Avg	20.9	20.8	23.0	27.9	72.2	71.2	18.0	17.9	0.016077
Max	22.1	22.4	25.0	29.3	90.7	91.3	19.3	19.7	0.017264
Hr. of Max	09	22	14	19	23	23	21	22	09
Min	18.9	18.2	21.2	26.5	45.4	47.2	15.8	15.1	0.014246
Count	23	23	23	24	24	24	23	23	23
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/24/2015

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	0.01467	23.8	22.8	.00	29.15	987.3	-1.6	.00	234.4
01:00	0.015936	23.6	24.7	.00	29.15	987.3	-2.2	.00	255.7
02:00	0.016253	24.9	25.2	.00	29.16	987.7	-2.4	.00	260.9
03:00	0.016156	25.1	25.0	.00	29.16	987.5	-1.6	.00	246.9
04:00	0.016125	24.8	25.0	.00	29.16	987.4	-2.5	.00	236.9
05:00	0.016229	24.9	25.1	.00	29.16	987.6	-3.0	.00	254.2
06:00	0.015744	24.4	24.4	.00	29.17	988.0	7.3	.01	261.3
07:00	0.015513	24.4	24.1	.00	29.19	988.5	92.6	.13	181.1
08:00	0.015826	24.8	24.5	.00	29.20	988.8	296.2	.42	58.0
09:00	0.016856	26.7	26.1	.00	29.21	989.2	527.6	.76	82.8
10:00	P	P	P	.00 P	29.22 P	989.4 P	576.7 P	.83 P	78.8 P
11:00	0.015994	25.3	24.8	.00	29.22	989.5	427.8	.61	122.0
12:00	0.015733	25.2	24.4	.00	29.22	989.5	711.5	1.02	186.7
13:00	0.015798	25.0	24.5	.00	29.21	989.3	1040.6	1.49	239.0
14:00	0.01656	25.7	25.6	.00	29.20	989.0	891.4	1.28	269.3
15:00	0.015932	24.7	24.7	.00	29.18	988.2	823.8	1.18	278.0
16:00	0.014277	22.5	22.2	.00	29.17	987.9	500.3	.72	276.1
17:00	0.013583	22.1	21.1	.00	29.17	987.9	229.9	.33	267.3
18:00	0.014617	24.3	22.7	.00	29.17	987.8	198.6	.28	267.8
19:00	0.016627	25.3	25.7	.00	29.16	987.5	192.4	.28	279.1
20:00	0.017082	26.3	26.4	.00	29.17	988.0	38.2	.05	268.8
21:00	0.017641	26.6	27.2	.00	29.17	988.0	-1.6	.00	272.4
22:00	0.017543	26.0	27.1	.00	29.19	988.4	-2.5	.00	248.3
23:00	0.017244	26.0	26.7	.00	29.19	988.6	-1.7	.00	242.5
Avg	0.015997	24.9	24.8	.00	29.18	988.3	272.3	.39	249.0
Max	0.017641	26.7	27.2	.00	29.22	989.5	1040.6	1.49	279.1
Hr. of Max	21	09	21	23	12	12	13	13	19
Min	0.013583	22.1	21.1	.00	29.15	987.3	-3.0	.00	58.0
Count	23	23	23	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/24/2015

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	260.0	264.3	237.5	264.9	23.4	15.8	8.6	2.0	3.1
01:00	282.4	289.8	259.6	288.0	14.2	11.5	8.9	2.6	4.4
02:00	275.0	282.8	263.8	282.1	17.7	10.7	7.3	3.3	5.9
03:00	254.7	261.0	251.6	261.7	17.2	13.6	14.4	3.6	5.5
04:00	244.9	252.1	241.5	253.5	20.8	13.8	12.7	2.9	5.5
05:00	266.5	272.9	259.0	273.2	22.0	19.9	16.0	3.1	5.3
06:00	282.8	287.9	262.3	287.8	49.7	42.0	37.5	2.5	4.5
07:00	205.3	207.0	199.1	220.5	30.5	26.4	34.4	.7	1.0
08:00	55.3	59.7	60.5	55.2	33.1	24.0	17.8	1.8	2.3
09:00	72.4	67.4	84.8	63.8	22.8	26.6	22.6	4.6	4.7
10:00	76.6 P	72.4 P	82.3 P	69.0 P	31.9 P	31.5 P	26.6 P	3.4 P	4.0 P
11:00	115.0	105.6	125.2	102.5	31.2	29.7	30.0	2.3	2.6
12:00	165.9	159.1	185.2	164.4	54.5	44.2	48.0	.7	.5
13:00	258.5	261.3	241.1	261.0	49.8	41.2	40.7	1.5	2.0
14:00	276.4	277.7	273.0	276.1	38.6	29.9	28.8	3.5	4.3
15:00	286.8	288.7	278.1	287.1	45.4	37.8	34.1	2.7	3.4
16:00	289.5	291.7	280.1	290.0	28.6	22.9	17.8	4.5	6.1
17:00	276.0	283.3	271.0	282.4	19.8	12.6	9.9	3.0	5.0
18:00	275.0	287.0	270.0	285.3	11.0	11.7	7.1	2.3	3.8
19:00	269.2	284.8	278.1	284.0	21.8	14.4	10.0	.5	1.6
20:00	225.0	214.6	271.4	216.8	10.7	8.0	5.2	1.5	2.4
21:00	232.5	207.3	273.2	212.9	29.6	23.2	30.2	1.0	1.4
22:00	230.6	219.0	252.9	222.0	14.3	8.4	5.2	3.0	5.0
23:00	240.8	232.9	245.4	234.9	13.9	7.2	4.3	2.4	4.8
Avg	256.0	260.0	253.0	261.0	27.2	22.0	19.9	.0	.0
Max	289.5	291.7	280.1	290.0	54.5	44.2	48.0	4.6	6.1
Hr. of Max	16	16	16	16	12	12	12	09	16
Min	55.3	59.7	60.5	55.2	10.7	7.2	4.3	.5	.5
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)

6/24/2015

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	4.6	2.2	3.2	4.8	2.7	4.9	.1	2.1	-.02
01:00	6.6	2.8	4.5	6.7	3.2	6.6	-2.4	.4	-.15
02:00	8.3	3.4	6.1	8.4	3.8	8.3	-1.4	2.1	-.18
03:00	6.9	3.8	5.9	7.4	4.4	7.6	-1.4	1.9	-.19
04:00	6.8	3.1	5.8	7.2	3.8	7.6	-1.4	.1	-.17
05:00	7.2	3.4	5.6	7.4	3.8	7.5	-1.1	2.0	-.16
06:00	7.4	3.5	5.4	8.0	3.9	7.9	-.6	1.9	-.15
07:00	1.0	1.0	1.4	1.6	1.5	2.0	-3.7	-4.1	-.04
08:00	2.8	2.2	2.7	3.0	2.5	3.4	-4.1	-4.4	-.26
09:00	5.3	4.9	5.0	5.7	5.6	6.3	.8	6.9	-.01
10:00	4.4 P	4.0 P	4.6 P	4.9 P	4.6 P	5.5 P	-.6 P	8.2 P	-.10 P
11:00	3.1	3.2	3.7	4.1	3.9	4.6	2.9	6.1	.12
12:00	.3	1.9	2.0	2.1	2.4	2.7	8.5	7.5	.28
13:00	2.3	3.4	3.8	4.0	4.1	4.8	3.0	4.5	.12
14:00	4.6	4.6	5.2	5.5	5.1	6.2	-2.7	-2.0	-.34
15:00	3.7	3.4	4.1	4.3	3.9	4.9	-.3	.4	-.22
16:00	7.6	5.0	6.5	8.0	5.5	8.2	-.6	-3.7	-.38
17:00	7.3	3.2	5.2	7.4	3.6	7.5	-2.1	-.7	-.25
18:00	5.8	2.3	3.9	5.9	2.6	5.9	-2.9	.0	-.13
19:00	3.5	.8	1.9	3.7	1.2	3.6	1.7	2.8	.01
20:00	3.5	1.5	2.6	3.5	1.8	3.8	-1.3	.3	-.06
21:00	2.3	1.3	1.6	2.4	1.6	2.8	1.8	-.7	.04
22:00	6.2	3.1	5.1	6.2	3.6	6.7	-2.9	-.1	-.20
23:00	6.6	2.5	4.9	6.7	3.0	7.1	-1.2	1.8	-.11
Avg	.0	2.9	4.2	5.4	3.4	5.7	-.5	1.4	-.11
Max	8.3	5.0	6.5	8.4	5.6	8.3	8.5	8.2	.28
Hr. of Max	02	16	16	02	09	02	12	10	12
Min	.3	.8	1.4	1.6	1.2	2.0	-4.1	-4.4	-.38
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/24/2015

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	.19	6.2	7.1	9.8	6.7	10.4	8.0	4.7
01:00	.01	5.7	9.8	11.2	6.5	11.7	7.2	6.2
02:00	.24	8.7	13.1	14.0	10.7	13.7	11.8	6.1
03:00	.20	9.8	15.1	14.0	11.9	13.8	10.2	5.7
04:00	.01	8.2	13.3	15.8	10.1	13.8	11.7	7.2
05:00	.21	8.2	11.0	13.1	9.7	14.3	12.1	7.4
06:00	-.02	12.4	19.7	20.8	10.7	15.9	18.9	14.1
07:00	-.07	5.0	4.8	4.8	5.3	5.7	17.4	16.4
08:00	-.26	6.6	9.6	8.7	7.9	9.7	22.4	15.1
09:00	.60	11.4	11.2	11.4	11.8	12.5	16.9	18.0
10:00	.65 P	<	<	<	<	<	<	<
11:00	.35	8.9	10.3	13.7	10.1	10.7	20.3	22.2
12:00	.32	6.4	6.6	6.9	8.1	7.7	28.1	34.1
13:00	.47	9.8	9.8	9.6	10.4	10.8	26.0	28.7
14:00	-.42	12.1	11.9	14.2	13.0	12.1	19.7	20.5
15:00	-.27	10.8	13.5	11.9	11.1	12.4	25.6	24.2
16:00	-.78	13.5	13.3	13.5	14.9	15.8	19.5	14.7
17:00	-.14	12.1	9.8	14.7	8.8	13.3	14.9	7.8
18:00	-.03	6.9	8.0	10.8	5.2	9.4	6.8	5.2
19:00	.16	3.2	5.0	7.8	2.8	7.5	13.0	6.3
20:00	.01	3.7	4.8	5.3	4.1	5.9	6.4	2.7
21:00	-.01	3.4	5.5	8.0	3.8	5.5	7.7	12.5
22:00	-.01	5.5	7.3	9.4	5.8	10.2	5.2	2.9
23:00	.22	5.3	11.0	15.6	6.0	9.8	7.4	2.4
Avg	.07	8.0	10.1	11.5	8.5	11.0	14.7	12.4
Max	.65	13.5	19.7	20.8	14.9	15.9	28.1	34.1
Hr. of Max	10	16	06	06	16	06	12	12
Min	-.78	3.2	4.8	4.8	2.8	5.5	5.2	2.4
Count	24	23	23	23	23	23	23	23
Total								