Date Printed: 09/10/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/9/2015

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	20.9	22.0	22.6	23.5	1.11	1.71	2.63	.60	1.52
01:00	20.6	21.6	22.3	23.3	1.02	1.64	2.65	.62	1.63
02:00	20.2	21.3	22.1	23.0	1.08	1.83	2.75	.74	1.67
03:00	20.0	21.2	21.9	22.8	1.22	1.91	2.85	.69	1.62
04:00	19.7	20.6	21.4	22.0	.90	1.68	2.30	.79	1.40
05:00	20.0	20.4	20.9	21.4	.43	.90	1.43	.47	1.00
06:00	20.3	20.7	21.0	21.3	.42	.72	.98	.31	.56
07:00	20.6	20.9	21.2	21.5	.25	.54	.90	.29	.65
08:00	21.5 P	21.3 P	21.3 P	21.5 P	P	P	P	P	P
09:00	23.4	23.0	22.8	22.7	-.44	-.64	-.73	-.21	-.30
10:00	24.6	24.1	23.8	23.8	-.56	-.81	-.89	-.24	-.32
11:00	24.3	23.9	23.7	23.6	-.43	-.67	-.73	-.24	-.30
12:00	22.6	22.4	22.2	22.2	-.19	-.36	-.39	-.17	-.21
13:00	21.9	21.8	21.6	21.6	-.16	-.32	-.32	-.16	-.16
14:00	23.2	22.8	22.6	22.5	-.44	-.68	-.75	-.24	-.31
15:00	24.7	24.2	23.9	23.8	-.50	-.78	-.83	-.28	-.33
16:00	24.9	24.6	24.4	24.3	-.32	-.56	-.64	-.24	-.32
17:00	25.0	24.8	24.5	24.5	-.28	-.49	-.57	-.21	-.30
18:00	24.6	24.5	24.5	24.6	-.06	-.08	.01	-.02	.07
19:00	23.4	23.6	23.9	24.2	.24	.49	.77	.25	.53
20:00	22.9	23.2	23.4	23.5	.30	.48	.61	.18	.31
21:00	22.7	22.8	22.8	22.9	.13	.14	.25	.02	.12
22:00	22.0	22.0	22.0	22.0	.02	-.07	-.02	-.09	-.04
23:00	21.3	21.2	21.1	21.2	-.07	-.18	-.12	-.11	-.05
Avg	22.3	22.5	22.6	22.8	.16	.28	.53	.12	.37
Max	25.0	24.8	24.5	24.6	1.22	1.91	2.85	.79	1.67
Hr. of Max	17	17	18	18	03	03	03	04	02
Min	19.7	20.4	20.9	21.2	-.56	-.81	-.89	-.28	-.33
Count	24	24	24	24	23	23	23	23	23
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/9/2015

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	18.7	19.6	19.5	26.9	89.4	88.0	16.0	16.8	0.014004
01:00	18.6	19.5	19.3	26.8	90.4	89.6	15.9	16.7	0.013897
02:00	18.4	19.5	19.0	26.7	91.4	91.3	15.7	16.7	0.013742
03:00	18.3	19.3	18.9	26.5	92.3	91.0	15.6	16.5	0.013649
04:00	18.1	19.0	18.6	26.4	92.7	92.8	15.4	16.3	0.013469
05:00	18.4	19.1	18.9	26.2	92.7	94.5	15.7	16.4	0.013694
06:00	18.7	19.2	19.2	26.1	92.3	93.1	15.9	16.5	0.013954
07:00	18.9	19.2	19.5	25.9	92.0	92.2	16.1	16.4	0.014148
08:00	P	P	P	25.8 P	90.1 P	91.1 P	P	P	P
09:00	19.8	19.6	21.0	25.8	82.3	83.6	16.9	16.8	0.014993
10:00	20.0	19.7	21.6	25.7	77.5	78.6	17.1	16.8	0.01521
11:00	20.4	20.2	21.7	25.8	80.8	82.2	17.5	17.4	0.01554
12:00	20.9	21.0	21.5	25.8	93.0	94.4	18.2	18.3	0.016103
13:00	20.7	20.8	21.1	25.8	95.0	96.3	18.0	18.0	0.015852
14:00	21.3	21.0	21.9	25.8	91.1	92.3	18.5	18.3	0.016458
15:00	20.9	20.3	22.1	25.8	81.7	81.4	18.0	17.5	0.016107
16:00	20.8	20.4	22.2	25.9	80.2	79.8	18.0	17.6	0.016067
17:00	21.0	20.7	22.3	26.0	80.3	80.4	18.1	17.8	0.016196
18:00	21.7	21.1	22.7	26.1	86.7	83.9	19.0	18.3	0.01698
19:00	21.7	21.7	22.3	26.2	92.9	91.2	19.1	19.0	0.016971
20:00	21.6	21.5	22.0	26.2	94.7	92.6	18.9	18.8	0.016793
21:00	21.4	21.6	21.9	26.2	95.3	95.3	18.8	18.9	0.016659
22:00	20.5	20.7	21.0	26.1	93.7	94.2	17.8	17.9	0.015744
23:00	20.0	20.1	20.4	26.1	94.8	95.5	17.3	17.3	0.015218
Avg	20.0	20.2	20.8	26.1	89.3	89.4	17.3	17.4	0.01528
Max	21.7	21.7	22.7	26.9	95.3	96.3	19.1	19.0	0.01698
Hr. of Max	19	19	18	00	21	13	19	19	18
Min	18.1	19.0	18.6	25.7	77.5	78.6	15.4	16.3	0.013469
Count	23	23	23	24	24	24	23	23	23
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/9/2015

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	0.014758	21.7	22.8	.00	29.07	984.5	-3.0	.00	275.8
01:00	0.014672	21.5	22.7	.00	29.07	984.6	-2.1	.00	356.8
02:00	0.014678	21.3	22.7	.00	29.06	984.3	-3.1	.00	323.4
03:00	0.014513	21.1	22.4	.00	29.06	984.0	-2.7	.00	281.7
04:00	0.014244	20.9	22.0	.00	29.06	984.0	-1.0	.00	252.6
05:00	0.014334	21.2	22.2	.00	29.06	984.2	-2.5	.00	254.1
06:00	0.01444	21.6	22.3	.00	29.06	984.2	-3.3	.00	21.5
07:00	0.014407	21.9	22.3	.00	29.07	984.3	10.8	.02	293.6
08:00	P	P	P	.00 P	29.08 P	984.9 P	88.7 P	.13 P	153.5 P
09:00	0.014835	23.2	22.9	.00	29.08	984.9	186.3	.27	208.5
10:00	0.01492	23.5	23.1	.00	29.08	984.9	254.3	.36	192.9
11:00	0.015409	24.0	23.8	.01	29.09	985.1	188.8	.27	253.6
12:00	0.016166	24.9	24.9	.14	29.08	984.8	71.7	.10	267.1
13:00	0.015918	24.5	24.6	.33	29.07	984.6	78.4	.11	245.0
14:00	0.016232	25.3	25.0	.04	29.04	983.4	460.9	.66	206.5
15:00	0.015567	24.8	24.0	.00	29.01	982.4	456.5	.65	188.3
16:00	0.015679	24.7	24.1	.00	29.00	982.1	231.7	.33	228.8
17:00	0.015947	24.9	24.5	.00	28.98	981.6	200.5	.29	11.7
18:00	0.016373	26.1	25.2	.00	28.99	981.7	83.3	.12	285.3
19:00	0.016916	26.1	26.0	.00	28.99	981.9	8.4	.01	278.3
20:00	0.016715	25.8	25.7	.01	29.00	982.0	-2.0	.00	249.2
21:00	0.016791	25.6	25.8	.00	29.01	982.5	-2.0	.00	246.6
22:00	0.015853	24.3	24.4	.01	29.01	982.5	-2.3	.00	245.0
23:00	0.015274	23.5	23.5	.02	29.01	982.6	-2.1	.00	223.6
Avg	0.015419	23.6	23.8	.02	29.04	983.6	95.6	.14	256.0
Max	0.016916	26.1	26.0	.33	29.09	985.1	460.9	.66	356.8
Hr. of Max	19	19	19	13	11	11	14	14	01
Min	0.014244	20.9	22.0	.00	28.98	981.6	-3.3	.00	11.7
Count	23	23	23	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/9/2015

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	154.8	211.9	273.3	210.7	17.3	26.4	9.7	1.0	1.0
01:00	104.4	231.0	3.8	231.1	65.4	37.2	8.7	.3	.3
02:00	67.0	197.5	327.7	194.8	40.4	43.6	12.4	.6	.2
03:00	177.7	221.6	280.8	219.7	21.9	46.6	30.0	.9	.4
04:00	214.8	229.6	253.6	230.4	14.0	40.1	8.8	1.4	1.3
05:00	226.1	248.9	254.6	244.8	21.3	44.7	11.7	1.1	2.0
06:00	61.2	57.7	13.6	56.0	48.3	20.6	15.1	.3	1.0
07:00	22.7	17.7	288.1	14.0	26.5	37.2	16.1	1.0	.2
08:00	117.1 P	86.2 P	158.4 P	87.5 P	22.4 P	62.2 P	56.4 P	.6 P	.6 P
09:00	155.8	162.3	202.7	157.1	50.3	54.9	37.1	.5	.5
10:00	189.4	207.4	196.7	206.5	27.7	35.5	43.6	1.7	1.6
11:00	265.0	269.9	257.6	269.2	26.7	20.4	15.5	2.4	3.3
12:00	280.8	282.8	270.2	281.0	21.2	17.7	14.3	3.4	4.9
13:00	247.8	247.3	249.2	249.4	20.2	15.1	10.0	3.4	5.3
14:00	220.2	264.1	212.8	265.2	55.8	70.2	56.8	.6	.7
15:00	192.4	207.1	189.2	209.3	51.9	57.1	47.1	1.3	1.4
16:00	219.4	236.1	227.2	234.8	47.9	40.3	26.9	.7	.6
17:00	25.4	1.2	13.9	358.0	43.3	34.7	30.9	1.1	1.7
18:00	297.6	285.5	278.3	283.5	18.8	30.3	33.2	.7	1.1
19:00	278.5	273.4	276.5	272.5	19.9	22.3	15.7	1.3	2.6
20:00	271.1	278.0	247.8	277.4	36.3	49.0	22.1	1.0	1.5
21:00	256.9	262.7	249.1	263.5	29.8	21.3	14.7	2.2	3.9
22:00	251.1	251.1	249.9	252.7	19.1	12.3	10.1	3.2	5.5
23:00	228.1	234.0	227.0	235.7	24.4	14.4	9.5	1.7	3.4
Avg	222.0	245.0	256.0	245.0	32.1	35.6	23.2	.0	.0
Max	297.6	285.5	327.7	358.0	65.4	70.2	56.8	3.4	5.5
Hr. of Max	18	18	02	17	01	14	14	13	22
Min	22.7	1.2	3.8	14.0	14.0	12.3	8.7	.3	.2
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)

9/9/2015

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	1.7	1.1	1.0	1.8	1.3	2.0	1.2	-1.2	.03
01:00	2.1	.4	.4	2.2	.7	2.4	2.3	-.4	.03
02:00	1.6	.7	.5	1.7	.9	1.9	1.0	-2.3	.02
03:00	1.7	1.2	1.0	1.7	1.4	2.0	.6	-2.3	.02
04:00	2.1	1.5	1.4	2.1	1.8	2.4	.5	-.3	.00
05:00	1.6	1.2	2.1	1.7	1.5	1.9	-.4	-.7	-.02
06:00	1.3	.7	1.1	1.4	.9	1.6	2.3	1.3	.03
07:00	1.0	1.2	1.7	1.9	1.5	2.1	.0	.9	-.01
08:00	.6 P	1.2 P	.9 P	1.3 P	1.6 P	1.6 P	2.7 P	2.3 P	.08 P
09:00	.5	1.0	.9	.9	1.5	1.4	1.1	-3.8	.04
10:00	1.6	1.9	1.9	1.9	2.3	2.4	-4.2	-5.7	-.14
11:00	4.0	3.1	4.0	4.7	3.4	4.9	.0	-5.3	-.10
12:00	6.5	3.7	5.2	6.8	4.0	6.8	-4.7	-1.2	-.43
13:00	7.0	3.5	5.4	7.1	4.0	7.5	-1.8	-1.4	-.23
14:00	1.1	1.1	1.3	1.5	1.7	2.0	.5	-11.4	.02
15:00	1.7	1.7	1.9	2.0	2.3	2.5	.1	-4.4	.04
16:00	.7	1.4	1.6	1.7	1.9	2.1	.6	-5.6	.05
17:00	1.8	1.5	1.9	2.0	1.8	2.3	-4.5	-14.0	-.17
18:00	1.2	.7	1.3	1.4	1.0	1.5	1.8	-1.3	.01
19:00	3.5	1.5	3.0	3.8	1.7	3.8	.2	.4	-.02
20:00	2.8	1.2	1.9	3.1	1.6	3.1	1.1	-3.1	.01
21:00	5.4	2.5	4.3	5.9	2.8	6.0	-1.0	.6	-.09
22:00	7.2	3.5	5.7	7.4	3.9	7.8	.3	-.9	-.08
23:00	4.7	1.8	3.6	4.9	2.2	5.2	3.1	.4	.04
Avg	.0	1.6	2.3	3.0	2.0	3.2	.1	-2.5	-.04
Max	7.2	3.7	5.7	7.4	4.0	7.8	3.1	2.3	.08
Hr. of Max	22	12	22	22	13	22	23	08	08
Min	.5	.4	.4	.9	.7	1.4	-4.7	-14.0	-.43
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/9/2015

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	-.05	2.7	3.2	4.1	3.2	5.1	6.0	4.8
01:00	-.01	2.3	4.8	6.4	1.8	4.9	8.5	3.8
02:00	-.08	2.1	2.3	3.9	2.0	4.2	8.0	6.8
03:00	-.07	2.5	3.4	3.4	2.4	3.6	7.0	5.7
04:00	-.01	3.2	3.7	4.4	3.6	3.5	5.0	2.9
05:00	.00	5.3	6.0	4.6	3.7	4.5	7.6	7.3
06:00	.04	2.3	3.2	2.5	2.5	2.7	7.9	5.3
07:00	.03	3.9	3.9	4.8	4.2	4.7	7.4	7.1
08:00	.03 P	<	<	<	<	<	<	<
09:00	-.04	3.4	3.0	3.4	3.5	3.6	26.8	27.9
10:00	-.21	5.0	6.2	6.0	5.3	6.6	24.4	27.4
11:00	-.52	6.4	8.0	10.1	7.7	10.1	17.3	10.3
12:00	-.26	8.9	13.1	16.0	9.3	29.1	15.1	10.4
13:00	-.20	8.2	11.4	17.2	9.5	79.9	13.7	6.8
14:00	-.47	3.7	5.0	9.4	5.0	6.4	32.0	29.5
15:00	-.20	5.7	5.5	6.4	7.1	6.7	26.3	28.2
16:00	-.25	3.9	4.8	4.6	4.6	5.0	26.5	27.6
17:00	-.63	5.0	5.0	4.8	5.1	5.1	21.3	21.8
18:00	-.02	2.3	3.2	3.2	2.6	3.1	17.1	15.4
19:00	.03	5.0	6.6	6.9	5.4	7.1	10.1	4.3
20:00	-.15	2.3	4.8	9.8	2.8	6.9	10.7	9.9
21:00	.03	6.0	8.9	9.4	6.4	10.1	11.6	6.5
22:00	-.17	8.5	13.7	15.3	8.8	13.5	13.9	6.6
23:00	.01	7.3	11.7	16.7	5.7	9.0	16.7	5.2
Avg	-.13	4.6	6.1	7.5	4.9	10.2	14.8	12.2
Max	.04	8.9	13.7	17.2	9.5	79.9	32.0	29.5
Hr. of Max	06	12	22	13	13	13	14	14
Min	-.63	2.1	2.3	2.5	1.8	2.7	5.0	2.9
Count	24	23	23	23	23	23	23	23
Total								