Date Printed: 07/23/2015 06:41

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/22/2015

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	21.5	22.4	22.9	23.6	.83	1.38	2.07	.55	1.24
01:00	21.1	21.9	22.5	23.2	.86	1.38	2.12	.53	1.26
02:00	20.7	21.5	21.9	22.6	.71	1.16	1.86	.45	1.15
03:00	20.5	21.3	21.6	22.0	.81	1.12	1.53	.31	.72
04:00	20.2	21.0	21.4	21.7	.87	1.18	1.55	.31	.68
05:00	19.8	20.7	21.1	21.4	.91	1.27	1.60	.35	.68
06:00	19.7	20.4	20.7	20.9	.69	.98	1.24	.29	.55
07:00	20.3	20.4	20.6	20.9	.07	.26	.55	.19	.49
08:00	21.4	21.2	21.1	21.2	-.25	-.37	-.26	-.12	-.01
09:00	24.3	24.0	23.7	23.7	-.37	-.61	-.64	-.24	-.27
10:00	26.7	26.3	26.0	25.9	-.47	-.67	-.85	-.20	-.38
11:00	28.4	27.7	27.4	27.2	-.74	-1.03	-1.19	-.29	-.45
12:00	29.1	28.5	28.2	28.1	-.58	-.85	-.98	-.28	-.41
13:00	29.8	29.1	28.9	28.9	-.72	-.92	-.98	-.20	-.26
14:00	30.3	29.7	29.4	29.3	-.64	-.93	-.99	-.28	-.35
15:00	30.8	30.1	29.8	29.7	-.71	-.99	-1.11	-.28	-.40
16:00	29.8	29.6	29.6	29.6	-.14	-.16	-.21	-.02	-.06
17:00	23.7	24.0	24.8	25.6	.28	1.04	1.92	.77	1.64
18:00	23.2	23.1	23.2	23.4	-.10	-.03	.24	.07	.35
19:00	23.3	23.1	23.1	23.2	-.17	-.22	-.07	-.05	.10
20:00	23.1	22.9	22.8	22.8	-.17	-.29	-.28	-.12	-.11
21:00	22.4	22.2	22.2	22.2	-.14	-.21	-.12	-.06	.02
22:00	21.9	21.8	21.8	22.0	-.12	-.08	.12	.05	.24
23:00	21.7	21.8	21.8	21.9	.04	.02	.20	-.02	.16
Avg	23.9	23.9	24.0	24.2	.03	.10	.31	.07	.27
Max	30.8	30.1	29.8	29.7	.91	1.38	2.12	.77	1.64
Hr. of Max	15	15	15	15	05	01	01	17	17
Min	19.7	20.4	20.6	20.9	-.74	-1.03	-1.19	-.29	-.45
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/22/2015

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	20.0	20.7	20.5	27.7	93.2	92.9	17.2	18.0	0.015214
01:00	19.7	20.7	20.1	27.5	93.9	95.0	16.9	18.0	0.014909
02:00	19.4	20.5	19.9	27.3	94.5	97.0	16.7	17.8	0.014689
03:00	19.2	20.4	19.6	27.0	94.6	97.2	16.5	17.7	0.014449
04:00	18.9	20.3	19.3	26.8	94.7	97.7	16.2	17.5	0.014216
05:00	18.6	20.0	19.0	26.6	94.8	98.0	15.9	17.3	0.013907
06:00	18.5	19.7	18.9	26.4	95.0	98.0	15.8	17.0	0.013839
07:00	19.3	19.8	19.6	26.2	96.2	98.6	16.6	17.0	0.014543
08:00	20.1	20.3	20.6	26.0	94.7	97.4	17.4	17.6	0.015328
09:00	20.9	20.2	22.1	25.9	83.6	81.8	18.1	17.3	0.016117
10:00	20.8	20.1	22.8	26.0	72.0	71.1	17.8	17.2	P
11:00	20.8	19.9	23.3	26.2	65.2	64.6	17.7	16.9	0.016014
12:00	19.6	19.0	22.8	26.7	58.6	58.1	16.5	15.9	0.014932
13:00	19.3	18.6	22.8	27.2	54.8	54.5	16.2	15.5	0.014621
14:00	19.2	18.6	22.9	27.7	53.0	53.0	16.0	15.5	0.014546
15:00	19.0	18.4	22.9	28.0	50.9	51.0	15.8	15.3	0.014387
16:00	20.1	19.4	23.3	28.2	58.2	56.1	17.0	16.3	0.015411
17:00	21.4	21.2	22.2	28.6	89.5	87.0	18.7	18.4	0.016625
18:00	21.7	21.6	22.2	28.6	94.0	94.0	19.1	19.0	0.016973
19:00	21.8	21.8	22.3	28.3	93.6	94.8	19.1	19.2	0.017004
20:00	21.6	21.6	22.1	28.1	93.7	94.9	18.9	18.9	0.01679
21:00	21.0	21.1	21.8	27.9	94.3	95.7	18.3	18.4	0.016161
22:00	20.7	20.9	21.5	27.7	95.6	97.5	18.0	18.3	0.015923
23:00	20.6	21.0	21.3	27.5	95.8	98.0	17.9	18.3	0.01579
Avg	20.1	20.2	21.4	27.3	83.5	84.3	17.3	17.4	0.015321
Max	21.8	21.8	23.3	28.6	96.2	98.6	19.1	19.2	0.017004
Hr. of Max	19	19	16	18	07	07	19	19	19
Min	18.5	18.4	18.9	25.9	50.9	51.0	15.8	15.3	0.013839
Count	24	24	24	24	24	24	24	24	23
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/22/2015

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	0.015948	23.4	24.5	.00	28.98	981.5	-1.5	.00	309.6
01:00	0.015897	23.0	24.5	.00	28.99	981.8	-2.5	.00	290.0
02:00	0.01575	22.7	24.2	.00	28.99	981.8	-2.9	.00	265.2
03:00	0.015609	22.3	24.0	.00	29.00	981.9	-1.4	.00	282.0
04:00	0.015469	21.9	23.8	.00	28.99	981.9	-2.3	.00	298.1
05:00	0.015221	21.5	23.5	.00	29.00	982.0	-2.9	.00	331.9
06:00	0.014892	21.4	23.0	.00	29.01	982.5	3.4	.00	301.7
07:00	0.014962	22.5	23.1	.00	29.03	983.0	62.1	.09	249.4
08:00	0.015529	23.7	24.0	.00	29.04	983.5	224.5	.32	221.4
09:00	0.01541	24.8	23.8	.00	29.05	983.8	494.0	.71	192.5
10:00	P	24.7	23.7	.00	29.05	983.9	703.7	1.01	224.2
11:00	0.015196	24.7	23.5	.00	29.06	984.1	841.3	1.21	224.0
12:00	0.014306	23.1	22.1	.00	29.06	984.0	702.8	1.01	214.9
13:00	0.013958	22.6	21.6	.00	29.04	983.6	889.4	1.27	249.6
14:00	0.014008	22.5	21.6	.00	29.03	983.0	821.8	1.18	220.0
15:00	0.013856	22.2	21.4	.00	29.01	982.3	867.5	1.24	229.7
16:00	0.014789	23.7	22.8	.00	29.00	982.0	286.2	.41	241.8
17:00	0.016436	25.6	25.3	.41	29.01	982.4	51.0	.07	311.6
18:00	0.016868	26.1	25.9	.02	29.00	982.2	28.8	.04	8.7
19:00	0.017043	26.1	26.2	.06	29.01	982.4	31.9	.05	265.4
20:00	0.016828	25.8	25.9	.02	29.01	982.5	20.3	.03	235.9
21:00	0.016263	24.9	25.0	.00	29.03	983.0	-2.0	.00	228.5
22:00	0.016117	24.6	24.8	.00	29.04	983.6	-2.5	.00	235.3
23:00	0.016192	24.4	25.0	.00	29.06	984.0	-2.0	.00	270.8
Avg	0.015502	23.7	23.9	.02	29.02	982.8	250.4	.36	258.0
Max	0.017043	26.1	26.2	.41	29.06	984.1	889.4	1.27	331.9
Hr. of Max	19	19	19	17	23	11	13	13	05
Min	0.013856	21.4	21.4	.00	28.98	981.5	-2.9	.00	8.7
Count	23	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/22/2015

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	231.9	217.4	307.4	217.1	29.1	21.6	39.7	.5	.7
01:00	240.0	203.6	290.3	207.0	22.5	45.9	30.3	.7	.2
02:00	308.3	255.3	266.7	256.4	58.6	59.3	14.0	.7	.5
03:00	74.9	201.5	275.5	192.1	46.8	60.9	42.2	.6	.1
04:00	264.4	207.8	300.4	213.8	50.5	37.2	12.6	.4	.3
05:00	226.8	216.2	306.5	215.5	50.4	45.1	53.2	.3	.3
06:00	73.9	108.5	282.3	100.4	61.4	48.6	39.5	.4	.2
07:00	258.3	292.9	248.8	291.8	42.6	59.7	50.9	.9	.6
08:00	231.0	244.6	226.8	246.1	30.5	23.6	19.3	1.0	1.3
09:00	206.4	222.2	199.9	222.2	30.9	31.5	39.2	1.3	1.2
10:00	228.1	220.5	230.2	221.4	35.0	29.8	26.6	1.7	2.1
11:00	238.3	238.5	230.9	238.2	43.2	37.4	33.3	2.6	3.4
12:00	212.6	216.7	216.0	216.7	51.8	46.7	41.1	1.7	2.1
13:00	255.4	256.8	252.8	256.9	44.0	35.1	34.6	2.2	3.1
14:00	231.5	233.4	224.5	234.1	43.6	37.3	30.9	2.5	3.1
15:00	247.4	237.1	233.1	241.9	54.8	52.0	40.7	2.0	2.5
16:00	239.3	232.7	246.2	234.1	32.0	21.5	18.0	1.9	2.5
17:00	306.9	294.0	314.3	293.7	28.2	20.6	23.4	3.0	4.6
18:00	27.2	24.5	2.5	14.4	45.5	50.6	47.2	.2	.5
19:00	281.0	281.2	268.4	280.6	27.2	20.7	13.3	2.7	4.8
20:00	262.8	279.1	242.9	279.4	29.8	23.0	16.8	2.2	3.1
21:00	257.6	280.9	232.4	281.4	25.9	23.3	19.2	1.5	2.4
22:00	231.4	234.7	239.9	236.8	26.2	10.1	7.3	1.8	3.7
23:00	214.7	185.5	280.0	189.5	33.8	60.8	25.2	.8	1.3
Avg	246.0	237.0	259.0	239.0	39.3	37.6	29.9	.0	.0
Max	308.3	294.0	314.3	293.7	61.4	60.9	53.2	3.0	4.8
Hr. of Max	02	17	17	17	06	03	05	17	19
Min	27.2	24.5	2.5	14.4	22.5	10.1	7.3	.2	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/22/2015

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	1.3	.8	1.4	1.5	1.1	1.7	.9	.6	.01
01:00	.9	.9	.5	1.2	1.2	1.5	1.0	.5	.01
02:00	2.0	1.0	.9	2.2	1.4	2.4	.4	3.4	.01
03:00	.4	.6	.4	.6	1.1	.9	.2	.1	.01
04:00	.4	.4	.3	.4	.8	.8	.6	-.7	.00
05:00	.7	.5	.6	.8	.9	1.2	1.9	2.0	.02
06:00	.2	.5	.2	.3	.9	.7	1.8	.1	.04
07:00	.5	1.0	1.0	.8	1.4	1.3	2.0	-.4	.01
08:00	1.7	1.2	1.4	1.9	1.7	2.2	3.7	-2.5	.10
09:00	1.0	1.5	1.5	1.3	2.0	1.8	-2.2	-4.4	-.04
10:00	2.3	2.2	2.4	2.5	2.9	3.2	-7.6	-13.6	-.39
11:00	4.1	3.3	4.0	4.5	4.0	5.2	4.3	.4	.23
12:00	2.5	2.4	2.8	3.2	2.9	3.7	.5	.6	-.04
13:00	3.3	3.4	3.9	4.0	3.9	4.6	-1.9	-2.7	-.22
14:00	3.6	3.1	3.7	4.1	3.7	4.9	-1.3	-.7	-.17
15:00	2.9	2.6	3.1	3.5	3.2	4.1	-1.4	-3.5	-.07
16:00	2.8	2.4	2.8	3.0	2.8	3.3	-2.9	-1.2	-.17
17:00	5.1	4.9	6.8	7.3	5.2	7.6	-2.6	-.5	-.36
18:00	1.1	2.0	3.1	4.2	2.4	4.6	-2.8	1.1	-.14
19:00	7.6	3.0	5.3	8.2	3.5	8.1	-.5	1.0	-.18
20:00	4.3	2.4	3.3	4.5	2.8	4.7	2.2	1.0	-.02
21:00	3.6	1.7	2.7	3.9	2.1	4.0	2.4	3.0	.05
22:00	4.7	2.0	3.8	4.8	2.4	5.2	-.7	.4	-.09
23:00	2.4	1.0	1.4	2.6	1.4	2.9	-1.3	.1	-.03
Avg	.0	1.9	2.4	3.0	2.3	3.4	-.1	-.7	-.06
Max	7.6	4.9	6.8	8.2	5.2	8.1	4.3	3.4	.23
Hr. of Max	19	17	17	19	17	19	11	02	11
Min	.2	.4	.2	.3	.8	.7	-7.6	-13.6	-.39
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/22/2015

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	.04	2.1	3.4	3.4	2.8	3.8	6.6	7.4
01:00	.03	2.5	2.1	3.4	3.1	3.6	6.4	8.4
02:00	.14	3.0	3.4	6.4	3.3	4.3	9.0	5.4
03:00	.00	2.1	2.5	3.0	2.7	2.2	6.7	10.1
04:00	-.02	4.1	2.7	3.4	2.7	2.0	8.8	7.3
05:00	.03	2.5	2.1	2.3	3.2	2.7	6.8	6.3
06:00	.01	2.1	1.4	1.6	2.4	2.0	6.7	10.4
07:00	.01	3.4	3.9	3.7	3.6	4.1	10.6	6.3
08:00	-.07	5.0	6.0	5.0	4.4	5.9	25.4	16.1
09:00	-.14	3.9	3.7	3.9	4.7	4.3	24.7	27.2
10:00	-.77	5.0	6.0	6.9	8.0	8.3	25.3	28.7
11:00	-.05	9.8	11.2	11.9	12.1	13.7	23.5	24.7
12:00	-.03	10.3	12.4	11.4	7.7	8.7	24.5	25.3
13:00	-.37	9.8	10.8	10.8	10.5	11.8	23.4	24.3
14:00	-.03	8.5	9.6	9.8	10.3	11.2	22.1	24.1
15:00	-.28	10.1	10.5	11.2	10.0	12.6	28.3	29.0
16:00	-.09	10.8	10.8	7.8	7.6	8.0	13.3	15.7
17:00	-.07	15.6	17.6	20.4	16.7	21.8	12.5	8.5
18:00	.07	11.4	13.7	15.3	11.5	16.3	18.4	14.0
19:00	.06	9.8	14.9	23.4	9.6	15.6	17.7	7.3
20:00	.00	6.4	8.0	11.4	6.9	10.0	16.9	11.9
21:00	.15	5.7	6.0	8.5	5.7	8.5	15.7	11.8
22:00	.02	4.8	6.9	7.8	4.8	7.8	12.0	3.9
23:00	-.02	3.7	7.8	10.5	3.7	10.5	10.4	10.6
Avg	-.06	6.4	7.4	8.5	6.6	8.3	15.7	14.4
Max	.15	15.6	17.6	23.4	16.7	21.8	28.3	29.0
Hr. of Max	21	17	17	19	17	17	15	15
Min	-.77	2.1	1.4	1.6	2.4	2.0	6.4	3.9
Count	24	24	24	24	24	24	24	24
Total								