Date Printed: 07/21/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/20/2015

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	24.1	24.7	25.0	25.3	.57	.89	1.25	.32	.68
01:00	23.6	24.2	24.3	24.6	.57	.75	1.05	.18	.48
02:00	23.0	23.5	23.5	23.8	.43	.48	.83	.05	.40
03:00	22.6	23.2	23.5	23.7	.61	.90	1.14	.30	.53
04:00	23.2	23.2	23.3	23.4	-.03	.04	.13	.06	.16
05:00	23.4	23.2	23.0	23.1	-.18	-.33	-.30	-.14	-.12
06:00	23.1	23.0	22.9	23.0	-.11	-.23	-.13	-.12	-.01
07:00	23.1	22.9	22.8	22.9	-.19	-.28	-.17	-.09	.02
08:00	24.1	23.7	23.5	23.4	-.36	-.63	-.65	-.28	-.29
09:00	25.8	25.3	25.0	24.9	-.44	-.76	-.84	-.32	-.40
10:00	28.2	27.5	27.2	27.0	-.63	-.99	-1.12	-.36	-.49
11:00	29.7	29.0	28.7	28.6	-.67	-.95	-1.08	-.28	-.41
12:00	30.4	29.8	29.5	29.3	-.57	-.92	-1.05	-.34	-.47
13:00	31.5	30.7	30.4	30.3	-.81	-1.12	-1.19	-.30	-.37
14:00	32.0	31.2	30.9	30.8	-.84	-1.16	-1.24	-.32	-.40
15:00	27.5	27.4	27.4	27.5	-.07	-.13	.01	-.06	.08
16:00	22.5	22.5	22.5	22.7	-.02	.02	.21	.04	.23
17:00	22.0	21.8	21.8	22.0	-.11	-.12	.05	-.01	.16
18:00	22.1	22.1	22.1	22.1	-.03	-.06	-.01	-.03	.03
19:00	22.5	22.4	22.3	22.4	-.07	-.12	-.03	-.05	.04
20:00	22.4	22.5	22.6	22.7	.14	.21	.35	.07	.21
21:00	21.9	21.8	22.1	22.5	-.08	.19	.65	.27	.73
22:00	21.4	21.4	21.6	22.1	-.01	.19	.69	.20	.70
23:00	21.2	21.2	21.5	21.8	.03	.28	.64	.25	.61
Avg	24.6	24.5	24.5	24.6	-.12	-.16	-.03	-.04	.09
Max	32.0	31.2	30.9	30.8	.61	.90	1.25	.32	.73
Hr. of Max	14	14	14	14	03	03	00	00	21
Min	21.2	21.2	21.5	21.8	-.84	-1.16	-1.24	-.36	-.49
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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7/20/2015

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	22.2	22.8	22.8	28.8	91.7	92.0	19.6	20.2	0.01744
01:00	21.9	22.6	22.5	28.6	92.8	93.8	19.2	20.1	0.017119
02:00	21.5	22.2	22.0	28.4	93.4	95.3	18.8	19.6	0.016672
03:00	21.1	22.2	21.6	28.1	93.8	96.4	18.4	19.6	0.016341
04:00	21.9	22.4	22.4	27.9	95.0	97.8	19.3	19.8	0.017181
05:00	22.0	22.4	22.5	27.7	94.6	98.2	19.4	19.9	0.017258
06:00	21.7	22.1	22.1	27.6	94.2	97.5	19.0	19.5	0.016882
07:00	21.6	22.0	22.1	27.4	94.2	97.3	19.0	19.4	0.016856
08:00	22.1	22.3	22.8	27.3	91.2	94.0	19.5	19.7	0.017346
09:00	22.7	22.6	23.7	27.2	85.9	87.6	20.1	20.0	0.01805
10:00	23.0	22.6	24.7	27.2	75.9	76.8	20.3	19.8	0.018376
11:00	22.9	22.4	25.1	27.5	69.2	69.7	20.1	19.5	0.018288
12:00	22.9	22.5	25.4	27.9	66.6	67.0	20.1	19.6	0.018338
13:00	22.8	22.5	25.7	28.4	62.2	63.9	19.9	19.6	0.018252
14:00	22.9	22.7	25.9	28.8	60.5	62.6	20.0	19.7	0.01835
15:00	21.2	21.2	23.3	29.0	72.0	71.9	18.3	18.3	0.016543
16:00	20.7	20.6	21.3	28.0	92.2	91.4	18.0	17.8	0.015968
17:00	20.5	20.5	21.0	27.2	93.9	94.2	17.8	17.7	0.015736
18:00	20.9	20.9	21.3	27.2	95.2	95.1	18.2	18.2	0.016124
19:00	21.1	21.1	21.6	27.0	94.7	94.7	18.4	18.4	0.01636
20:00	21.0	20.9	21.5	26.9	94.6	93.2	18.3	18.2	0.016245
21:00	20.7	20.9	21.1	26.8	95.7	97.2	18.0	18.2	0.015949
22:00	20.4	20.7	20.7	26.7	96.1	98.1	17.6	18.0	0.015595
23:00	20.1	20.6	20.5	26.5	96.1	98.7	17.4	17.9	0.015355
Avg	21.7	21.8	22.7	27.7	87.2	88.5	18.9	19.1	0.016943
Max	23.0	22.8	25.9	29.0	96.1	98.7	20.3	20.2	0.018376
Hr. of Max	10	00	14	15	23	23	10	00	10
Min	20.1	20.5	20.5	26.5	60.5	62.6	17.4	17.7	0.015355
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/20/2015

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	0.018108	26.8	27.8	.00	29.05	983.6	-2.3	.00	246.4
01:00	0.017909	26.3	27.5	.00	29.04	983.5	-2.4	.00	239.2
02:00	0.01745	25.7	26.8	.00	29.03	983.1	-2.1	.00	249.7
03:00	0.017417	25.2	26.8	.00	29.02	982.8	-2.1	.00	226.3
04:00	0.017646	26.4	27.1	.00	29.02	982.7	-2.2	.00	231.0
05:00	0.017718	26.5	27.2	.00	29.02	982.9	-2.1	.00	204.4
06:00	0.017343	26.0	26.7	.00	29.04	983.3	3.4	.00	246.7
07:00	0.017205	25.9	26.5	.00	29.04	983.3	67.6	.10	228.0
08:00	0.017512	26.7	26.9	.00	29.05	983.7	177.9	.26	229.8
09:00	0.017932	27.7	27.6	.00	29.04	983.6	375.6	.54	214.7
10:00	0.017916	28.2	27.5	.00	29.02	982.9	670.9	.96	210.5
11:00	0.017702	28.1	27.2	.00	29.01	982.3	788.2	1.13	197.8
12:00	0.017867	28.1	27.4	.00	29.00	982.0	662.0	.95	191.5
13:00	0.017909	28.0	27.5	.00	28.98	981.6	740.5	1.06	214.6
14:00	0.018087	28.1	27.7	.00	28.97	981.2	839.4	1.20	207.6
15:00	0.016536	25.4	25.4	.87	28.97	981.2	228.5	.33	274.8
16:00	0.015808	24.5	24.3	.17	28.96	980.8	39.5	.06	3.3
17:00	0.01568	24.2	24.1	.09	28.97	981.1	11.3	.02	223.1
18:00	0.016081	24.8	24.7	.00	28.98	981.4	16.0	.02	4.7
19:00	0.016301	25.2	25.1	.00	28.98	981.6	29.6	.04	214.3
20:00	0.016137	25.0	24.8	.00	28.98	981.3	10.8	.02	300.9
21:00	0.016118	24.5	24.8	.00	28.97	981.0	-1.9	.00	286.7
22:00	0.015921	24.0	24.5	.00	28.97	981.0	-2.4	.00	237.9
23:00	0.0158	23.6	24.3	.00	28.97	981.1	-2.5	.00	232.7
Avg	0.017088	26.0	26.3	.05	29.00	982.2	193.4	.28	235.0
Max	0.018108	28.2	27.8	.87	29.05	983.7	839.4	1.20	300.9
Hr. of Max	00	10	00	15	08	08	14	14	20
Min	0.01568	23.6	24.1	.00	28.96	980.8	-2.5	.00	3.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/20/2015

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	259.2	253.5	244.7	254.8	29.6	24.8	7.7	.9	1.9
01:00	225.9	214.9	243.5	217.0	12.1	12.8	9.1	2.1	3.1
02:00	244.3	222.2	253.6	225.1	10.0	5.0	3.9	2.1	3.6
03:00	241.4	239.1	231.0	241.1	14.2	8.6	7.5	2.1	3.4
04:00	220.0	213.7	234.8	216.0	17.5	9.4	5.1	2.1	3.9
05:00	198.3	197.4	203.8	198.6	33.7	34.0	13.1	1.6	2.6
06:00	241.1	220.7	251.6	223.0	16.4	10.8	8.8	1.5	2.5
07:00	238.8	232.6	231.9	234.4	19.6	11.3	6.8	1.5	2.7
08:00	235.6	232.0	233.7	233.3	20.8	15.6	13.3	2.7	3.5
09:00	224.2	220.6	220.7	222.1	25.6	19.4	17.5	2.9	3.6
10:00	222.1	219.8	216.1	221.7	32.1	25.9	22.1	3.5	4.5
11:00	206.2	206.2	205.3	206.4	40.3	30.2	27.8	2.5	3.2
12:00	197.8	201.2	197.7	201.1	35.5	30.1	25.9	2.8	3.7
13:00	221.8	220.6	221.4	222.4	35.9	26.4	21.6	4.2	5.6
14:00	215.0	213.4	212.4	215.3	27.3	22.5	18.6	5.9	7.4
15:00	278.7	276.0	279.0	275.4	27.9	22.2	17.5	5.0	7.5
16:00	8.7	14.5	2.5	8.7	37.4	33.6	32.1	.6	2.2
17:00	210.3	203.7	229.8	206.4	40.8	32.1	29.7	1.8	3.7
18:00	29.2	151.8	353.5	143.3	50.7	53.5	45.2	.3	.2
19:00	194.7	180.8	216.1	181.5	48.9	49.4	21.1	1.1	1.8
20:00	270.3	171.5	288.4	174.1	53.0	47.4	45.4	.6	.3
21:00	283.2	278.8	283.1	280.5	38.4	28.0	36.3	.7	1.1
22:00	243.7	263.1	240.9	263.8	17.6	13.5	28.6	1.4	2.4
23:00	233.7	247.0	236.3	248.2	16.3	7.5	8.1	1.6	2.7
Avg	235.0	222.0	239.0	224.0	29.2	23.9	19.7	.0	.0
Max	283.2	278.8	353.5	280.5	53.0	53.5	45.4	5.9	7.5
Hr. of Max	21	21	18	21	20	18	20	14	15
Min	8.7	14.5	2.5	8.7	10.0	5.0	3.9	.3	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/20/2015

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	3.8	1.0	1.9	3.9	1.4	4.1	1.8	2.2	.03
01:00	4.4	2.2	3.2	4.5	2.6	4.8	-2.0	-.5	-.12
02:00	4.8	2.1	3.6	4.8	2.5	5.1	-1.9	-.1	-.10
03:00	4.6	2.3	3.6	4.7	2.7	5.0	-.5	.8	-.03
04:00	5.1	2.2	3.9	5.1	2.6	5.5	-1.2	-.7	-.09
05:00	3.6	1.7	2.7	3.7	2.2	4.0	2.4	.4	.03
06:00	3.0	1.6	2.5	3.1	2.0	3.4	-1.4	-1.8	-.07
07:00	3.7	1.7	2.8	3.8	2.1	4.1	.4	.1	-.04
08:00	4.0	2.9	3.6	4.1	3.5	4.5	.3	1.0	-.08
09:00	3.9	3.4	3.8	4.1	3.8	4.6	-.3	.8	-.11
10:00	4.9	4.0	4.8	5.2	4.5	5.8	2.3	1.3	.01
11:00	3.6	3.1	3.6	4.0	3.8	4.6	-1.5	-1.6	-.15
12:00	4.3	3.4	4.2	4.7	4.0	5.2	3.8	3.8	.21
13:00	6.5	4.9	6.1	6.8	5.6	7.4	.1	1.0	-.13
14:00	8.3	6.5	7.9	8.7	7.0	9.4	-1.7	.3	-.34
15:00	10.1	7.4	10.6	13.8	8.1	14.2	-1.7	-.7	-.65
16:00	3.5	3.8	6.2	8.1	4.4	8.5	-.3	-1.6	-.21
17:00	5.6	3.1	5.2	6.9	3.5	7.3	1.6	.8	.02
18:00	.7	1.5	2.3	2.3	1.8	2.7	1.5	1.8	.01
19:00	3.3	1.5	2.2	3.5	2.0	3.9	1.2	2.1	.02
20:00	.6	1.1	1.5	1.8	1.6	2.2	-1.6	.9	-.09
21:00	1.0	.8	1.3	1.2	1.2	1.6	1.3	.1	-.01
22:00	2.6	1.5	2.5	2.7	2.0	2.9	.2	.7	-.02
23:00	2.8	1.7	2.8	2.8	2.2	3.1	1.6	1.2	.02
Avg	.0	2.7	3.9	4.8	3.2	5.2	.2	.5	-.08
Max	10.1	7.4	10.6	13.8	8.1	14.2	3.8	3.8	.21
Hr. of Max	15	15	15	15	15	15	12	12	12
Min	.6	.8	1.3	1.2	1.2	1.6	-2.0	-1.8	-.65
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/20/2015

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	.15	2.7	6.2	9.2	3.1	6.1	10.1	4.3
01:00	-.05	4.1	5.3	7.8	5.2	7.3	5.7	3.9
02:00	-.01	5.5	6.9	8.9	5.2	6.5	4.9	2.3
03:00	.07	5.5	8.2	8.7	4.2	6.6	5.7	2.7
04:00	-.07	4.6	7.8	9.8	5.7	7.9	10.9	3.4
05:00	.05	6.0	9.6	11.4	6.6	7.7	19.3	9.7
06:00	-.09	3.2	4.1	4.8	3.6	4.9	10.3	4.1
07:00	.00	4.1	7.8	8.2	4.8	6.1	14.0	4.6
08:00	-.02	6.6	7.3	7.3	8.5	8.2	16.4	12.8
09:00	-.07	8.5	7.8	9.4	8.8	8.6	17.2	17.3
10:00	-.01	9.8	13.1	12.6	10.9	10.6	20.0	18.5
11:00	-.19	11.4	12.1	13.7	10.1	11.1	24.5	25.5
12:00	.34	8.2	8.9	9.2	8.9	9.4	21.3	18.6
13:00	-.07	11.7	14.0	13.3	12.5	13.9	17.8	16.0
14:00	-.18	14.2	16.3	19.0	14.9	19.2	15.9	13.5
15:00	-.49	32.7	35.0	48.3	35.7	56.4	16.8	9.3
16:00	-.32	16.7	23.8	30.0	20.4	31.0	20.6	11.3
17:00	.08	12.4	22.2	19.9	10.2	54.4	17.1	9.6
18:00	.07	8.0	9.2	9.8	5.5	6.8	17.3	13.2
19:00	.04	5.5	8.2	10.1	6.4	10.8	19.7	16.5
20:00	-.07	3.9	6.0	6.2	4.3	7.0	22.8	21.4
21:00	-.02	3.4	3.4	3.0	3.8	3.4	12.7	13.4
22:00	.03	3.4	4.6	4.8	3.9	5.0	7.9	5.8
23:00	.07	3.7	6.0	6.4	4.1	4.6	10.2	2.9
Avg	-.03	8.2	10.6	12.2	8.6	13.1	15.0	10.9
Max	.34	32.7	35.0	48.3	35.7	56.4	24.5	25.5
Hr. of Max	12	15	15	15	15	15	11	11
Min	-.49	2.7	3.4	3.0	3.1	3.4	4.9	2.3
Count	24	24	24	24	24	24	24	24
Total								