Date Printed: 08/25/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/24/2015

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	20.8	21.6	21.9	22.4	.77	1.07	1.59	.30	.82
01:00	20.3	21.0	21.5	21.9	.70	1.18	1.55	.48	.85
02:00	20.0	20.6	21.0	21.3	.54	.95	1.28	.41	.73
03:00	19.9	20.5	20.9	21.2	.63	1.04	1.30	.41	.67
04:00	20.1	20.5	21.0	21.3	.49	.93	1.25	.43	.76
05:00	20.5	20.6	20.7	21.0	.10	.24	.49	.15	.39
06:00	20.6	20.6	20.7	20.8	.02	.06	.23	.03	.21
07:00	20.7	20.6	20.5	20.6	-.08	-.17	-.07	-.09	.01
08:00	21.3	21.1	21.0	21.0	-.20	-.30	-.25	-.10	-.04
09:00	23.0	22.5	22.4	22.4	-.46	-.53	-.60	-.07	-.14
10:00	25.8	25.2	25.0	24.8	-.60	-.83	-.99	-.23	-.40
11:00	27.4	26.6	26.3	26.2	-.72	-1.06	-1.13	-.34	-.41
12:00	28.2	27.5	27.2	27.1	-.75	-1.02	-1.15	-.27	-.40
13:00	28.9	28.2	28.0	27.9	-.69	-.92	-1.00	-.23	-.31
14:00	29.7	28.8	28.6	28.4	-.89	-1.16	-1.30	-.26	-.40
15:00	29.8	28.9	28.6	28.5	-.89	-1.16	-1.25	-.27	-.36
16:00	29.2	28.5	28.2	28.1	-.68	-.94	-1.07	-.26	-.39
17:00	28.4	27.9	27.6	27.5	-.56	-.85	-.94	-.28	-.38
18:00	27.1	26.8	26.6	26.6	-.26	-.43	-.46	-.17	-.20
19:00	24.2	25.2	25.2	25.3	.98	.96	1.02	-.02	.04
20:00	20.7	23.4	23.6	23.7	2.74	2.94	3.06	.19	.32
21:00	18.4	21.9	22.6	22.9	3.51	4.27	4.50	.76	.99
22:00	17.1	18.8	20.9	21.7	1.67	3.79	4.63	2.12	2.96
23:00	16.0	17.6	18.3	19.4	1.51	2.26	3.36	.74	1.85
Avg	23.3	23.5	23.7	23.8	.29	.43	.59	.14	.30
Max	29.8	28.9	28.6	28.5	3.51	4.27	4.63	2.12	2.96
Hr. of Max	15	15	15	15	21	21	22	22	22
Min	16.0	17.6	18.3	19.4	-.89	-1.16	-1.30	-.34	-.41
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/24/2015

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	19.6	20.7	20.0	25.1	95.3	97.1	16.9	18.0	0.014834
01:00	19.2	20.3	19.6	25.0	95.6	97.7	16.5	17.6	0.014462
02:00	19.0	19.9	19.4	25.0	96.0	98.3	16.3	17.2	0.014251
03:00	19.0	19.9	19.3	24.9	96.4	98.7	16.2	17.2	0.014198
04:00	19.1	19.9	19.4	24.8	96.2	98.7	16.3	17.2	0.014299
05:00	19.6	20.0	19.9	24.7	96.8	98.8	16.8	17.3	0.014762
06:00	19.8	20.0	20.0	24.7	97.2	98.8	17.0	17.3	0.01494
07:00	19.9	20.1	20.2	24.6	97.6	98.9	17.2	17.4	0.015097
08:00	20.3	20.5	20.6	24.6	96.4	98.9	17.6	17.8	0.015445
09:00	20.9	20.8	21.6	24.5	90.5	92.5	18.1	18.0	0.016044
10:00	20.8	19.9	22.5	24.5	76.1	74.4	17.9	16.9	0.01601
11:00	19.6	18.9	22.2	24.6	64.4	64.1	16.5	15.9	0.014834
12:00	19.6	18.8	22.5	24.7	61.1	60.8	16.5	15.8	0.014848
13:00	18.6	18.0	22.0	24.9	55.4	55.5	15.5	15.0	0.013987
14:00	18.0	17.4	21.9	25.1	50.7	51.3	14.9	14.4	0.013455
15:00	14.8	14.0	19.8	25.2	41.5	41.4	12.3	11.6	0.011028
16:00	13.0	12.1	18.4	25.4	38.2	37.3	10.9	10.3	0.009804
17:00	12.3	11.5	17.7	25.5	38.0	37.2	10.5	9.9	0.009343
18:00	13.0	12.4	17.7	25.6	43.1	42.1	11.0	10.6	0.009769
19:00	15.2	14.0	18.2	25.7	58.8	51.1	12.7	11.7	0.011233
20:00	15.7	14.3	17.4	25.7	74.9	58.0	13.2	12.0	0.011537
21:00	15.2	14.3	16.3	25.6	83.6	63.5	12.9	12.0	0.011184
22:00	14.9	14.9	15.7	25.6	88.6	79.8	12.7	12.6	0.01094
23:00	14.3	14.9	14.9	25.4	90.9	85.9	12.2	12.6	0.01048
Avg	17.6	17.4	19.5	25.1	76.0	74.2	14.9	14.8	0.013199
Max	20.9	20.8	22.5	25.7	97.6	98.9	18.1	18.0	0.016044
Hr. of Max	09	09	12	20	07	08	09	09	09
Min	12.3	11.5	14.9	24.5	38.0	37.2	10.5	9.9	0.009343
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)

8/24/2015

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	0.015841	22.9	24.4	.00	29.07	984.5	-2.1	.00	258.9
01:00	0.015435	22.4	23.8	.00	29.07	984.6	-2.7	.00	240.0
02:00	0.015094	22.1	23.3	.00	29.07	984.5	-2.5	.00	222.2
03:00	0.015114	22.0	23.4	.00	29.07	984.4	-1.9	.00	252.6
04:00	0.01513	22.1	23.4	.00	29.06	984.1	-2.4	.00	235.2
05:00	0.015158	22.8	23.4	.00	29.06	984.2	-3.0	.00	221.9
06:00	0.015204	23.1	23.5	.00	29.06	984.3	-2.8	.00	228.8
07:00	0.015221	23.3	23.5	.00	29.08	984.9	20.1	.03	232.1
08:00	0.015646	23.9	24.2	.00	29.09	985.2	135.7	.19	172.4
09:00	0.015925	24.8	24.6	.00	29.10	985.4	344.5	.49	123.7
10:00	0.015089	24.7	23.3	.00	29.10	985.3	657.3	.94	156.0
11:00	0.014161	23.0	21.9	.00	29.10	985.4	779.6	1.12	299.1
12:00	0.014134	23.0	21.9	.00	29.09	985.1	709.6	1.02	223.2
13:00	0.013459	21.7	20.9	.00	29.07	984.6	731.3	1.05	267.3
14:00	0.01292	20.8	20.0	.00	29.06	984.2	919.1	1.32	292.8
15:00	0.010431	17.1	16.2	.00	29.05	983.9	869.6	1.25	274.3
16:00	0.009206	15.3	14.3	.00	29.05	983.7	674.3	.97	278.5
17:00	0.008851	14.6	13.8	.00	29.04	983.4	473.1	.68	278.5
18:00	0.009394	15.2	14.6	.00	29.04	983.3	286.5	.41	290.1
19:00	0.010399	17.4	16.2	.00	29.04	983.4	84.4	.12	287.3
20:00	0.010577	17.9	16.4	.00	29.05	983.8	1.1	.00	283.2
21:00	0.010541	17.4	16.4	.00	29.07	984.3	-3.6	-.01	283.6
22:00	0.010944	17.0	17.0	.00	29.08	984.9	-3.5	.00	332.3
23:00	0.010897	16.3	17.0	.00	29.09	985.3	-1.9	.00	332.3
Avg	0.013115	20.5	20.3	.00	29.07	984.4	277.5	.40	258.0
Max	0.015925	24.8	24.6	.00	29.10	985.4	919.1	1.32	332.3
Hr. of Max	09	09	09	23	11	11	14	14	23
Min	0.008851	14.6	13.8	.00	29.04	983.3	-3.6	-.01	123.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/24/2015

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	224.6	221.5	259.3	214.0	25.7	28.0	51.0	.9	1.2
01:00	241.8	239.5	241.0	240.5	13.6	26.9	5.8	1.4	1.3
02:00	228.0	238.7	225.9	240.1	9.2	20.8	14.6	1.9	2.2
03:00	250.5	214.7	252.9	216.0	34.0	46.3	13.4	1.2	1.9
04:00	229.8	243.0	240.2	244.0	43.6	41.6	22.6	1.2	1.7
05:00	221.4	239.8	227.1	241.6	24.6	12.0	10.3	1.8	3.0
06:00	236.5	241.8	232.0	243.7	22.4	19.1	9.9	1.1	2.5
07:00	179.5	234.5	238.1	236.4	48.1	39.6	20.4	.4	.6
08:00	166.0	212.4	188.3	218.1	52.1	45.9	48.4	.3	.5
09:00	123.6	144.3	138.4	143.7	46.6	41.5	62.1	.9	1.0
10:00	156.6	162.1	159.4	155.2	56.2	44.1	48.5	.9	.9
11:00	330.6	325.9	294.6	323.3	42.6	41.7	39.5	.5	1.1
12:00	229.5	229.9	226.9 +	231.3	55.1	56.3	48.3	2.1	2.4
13:00	279.9	282.1	270.4	280.3	42.2	36.2	30.5	3.1	4.3
14:00	302.9	302.1	293.1	299.0	43.8	38.7	29.8	3.6	4.8
15:00	288.9	291.1	277.3	289.2	36.0	30.4	26.0	4.8	6.8
16:00	294.6	300.2	282.2	297.3	30.5	27.4	21.1	3.9	5.2
17:00	290.4	295.4	279.5	293.3	28.7	23.1	17.8	4.5	6.4
18:00	297.4	300.8	291.9	298.4	30.8	26.9	22.4	3.0	4.3
19:00	298.3	301.8	288.2	298.7	28.9	23.4	17.2	2.5	4.2
20:00	302.5	305.8	285.0	302.8	19.9	17.9	14.3	2.5	3.9
21:00	303.8	313.2	285.8	309.6	21.1	18.5	14.3	2.2	3.9
22:00	334.3	316.3	337.3	313.2	58.0	32.9	17.5	.3	1.8
23:00	77.8	144.3	326.4	132.7	56.5	43.7	45.5	.4	.4
Avg	259.0	259.0	260.0	259.0	36.3	32.6	27.1	.0	.0
Max	334.3	325.9	337.3	323.3	58.0	56.3	62.1	4.8	6.8
Hr. of Max	22	11	22	11	22	12	09	15	15
Min	77.8	144.3	138.4	132.7	9.2	12.0	5.8	.3	.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/24/2015

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	.6	1.0	1.3	.8	1.4	1.1	.3	-.8	.01
01:00	2.3	1.5	1.4	2.3	1.9	2.5	1.6	-.5	.03
02:00	2.3	1.9	2.3	2.5	2.3	2.7	.5	-1.5	.01
03:00	2.8	1.3	2.0	2.9	1.7	3.2	1.3	-1.4	.01
04:00	2.1	1.4	2.0	2.4	1.7	2.6	1.0	.5	.04
05:00	3.2	2.0	3.1	3.3	2.3	3.5	-.8	-.9	-.07
06:00	4.0	1.4	2.7	4.0	1.7	4.3	2.4	.9	.05
07:00	1.4	.5	.7	1.4	1.0	1.7	3.3	-2.0	.07
08:00	.8	.7	.8	1.2	1.2	1.5	.8	-3.0	.03
09:00	.6	1.1	1.3	1.2	1.7	1.6	2.3	-6.6	.13
10:00	.6	1.6	1.7	1.7	2.3	2.3	4.0	1.4	.09
11:00	1.6	3.0	3.4	3.5	3.6	4.2	-7.6	-9.9	-.58
12:00	2.8	3.3	3.6	3.8	3.9	4.4	1.3	-1.5	.00
13:00	5.4	3.8	5.0	6.0	4.4	6.5	-3.3	-2.7	-.39
14:00	6.1	4.5	5.7	6.9	5.2	7.4	-.5	2.8	-.27
15:00	8.1	5.5	7.4	8.8	6.1	9.2	-2.4	-1.9	-.46
16:00	6.9	4.4	5.7	7.3	5.0	7.6	.9	.4	-.14
17:00	8.5	5.0	6.9	8.8	5.4	9.0	-.4	-2.5	-.28
18:00	6.0	3.4	4.8	6.4	3.8	6.8	-2.6	-1.4	-.35
19:00	6.1	2.8	4.5	6.4	3.1	6.6	-2.8	-3.7	-.29
20:00	5.9	2.6	4.1	6.1	2.8	6.2	-3.0	-3.0	-.20
21:00	6.1	2.3	4.1	6.3	2.4	6.4	-1.6	-2.7	-.10
22:00	4.7	.6	2.4	4.9	1.0	4.8	1.5	2.6	.04
23:00	.2	.6	.6	1.4	.8	1.7	1.1	2.0	.02
Avg	.0	2.3	3.2	4.2	2.8	4.5	-.1	-1.5	-.11
Max	8.5	5.5	7.4	8.8	6.1	9.2	4.0	2.8	.13
Hr. of Max	17	15	15	17	15	15	10	14	09
Min	.2	.5	.6	.8	.8	1.1	-7.6	-9.9	-.58
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/24/2015

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	-.01	2.3	2.5	1.8	2.5	2.2	6.0	8.1
01:00	-.02	3.4	3.9	3.2	3.7	3.6	5.7	2.5
02:00	-.07	3.2	4.4	4.1	3.5	4.3	4.9	3.4
03:00	-.07	3.7	4.4	5.0	3.8	5.6	9.7	5.0
04:00	.01	3.2	4.4	5.3	3.9	5.3	10.7	8.5
05:00	-.05	4.6	5.7	6.6	5.5	7.0	10.4	5.6
06:00	.06	4.1	6.2	6.9	4.3	7.4	13.5	4.2
07:00	-.07	3.0	4.1	3.7	2.7	3.8	18.2	7.0
08:00	-.06	2.5	2.5	5.0	2.8	4.5	22.9	17.1
09:00	-.22	3.9	3.9	3.9	4.9	4.4	27.5	27.3
10:00	.07	6.4	5.5	6.0	6.4	6.3	29.9	31.6
11:00	-.74	8.0	8.0	8.2	8.4	10.1	21.9	24.7
12:00	-.22	11.0	11.0	10.5	10.7	12.3	23.7	24.8
13:00	-.60	12.4	10.8	14.4	12.6	14.0	22.6	20.3
14:00	-.14	14.2	16.3	19.0	14.6	19.9	24.4	21.9
15:00	-.86	14.7	16.7	28.9	15.6	18.5	21.0	18.4
16:00	-.38	13.5	15.3	17.2	13.4	17.0	21.6	18.0
17:00	-.69	13.7	16.7	17.6	14.0	17.7	20.5	13.2
18:00	-.52	15.1	15.6	24.5	10.4	17.3	20.7	17.2
19:00	-.69	10.3	10.8	13.7	10.1	15.3	19.8	14.1
20:00	-.51	8.9	10.3	16.3	9.1	12.8	13.4	11.4
21:00	-.46	6.0	8.5	11.4	5.9	12.6	14.8	10.9
22:00	.10	2.5	7.8	10.3	3.3	10.8	21.6	11.9
23:00	.06	2.5	3.9	10.8	2.8	8.4	12.0	13.8
Avg	-.25	7.2	8.3	10.6	7.3	10.0	17.4	14.2
Max	.10	15.1	16.7	28.9	15.6	19.9	29.9	31.6
Hr. of Max	22	18	17	15	15	14	10	10
Min	-.86	2.3	2.5	1.8	2.5	2.2	4.9	2.5
Count	24	24	24	24	24	24	24	24
Total								