Date Printed: 07/25/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/24/2015

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	21.3	21.4	21.6	.54	.65	.79	.12	.26
01:00	20.6	20.9	21.0	21.4	.29	.42	.73	.13	.44
02:00	20.4	20.5	20.6	20.9	.15	.29	.58	.14	.43
03:00	20.1	20.3	20.4	20.7	.17	.31	.60	.14	.43
04:00	19.7	20.1	20.2	20.5	.32	.47	.79	.15	.46
05:00	19.5	19.8	20.0	20.2	.39	.53	.72	.14	.34
06:00	19.4	19.5	19.7	19.9	.08	.25	.48	.17	.40
07:00	19.8	19.7	19.7	19.9	-.09	-.12	.06	-.03	.15
08:00	20.9	20.7	20.5	20.6	-.22	-.38	-.30	-.16	-.08
09:00	22.0	21.9	21.4	21.6	-.10	-.64	-.45	-.55	-.36
10:00	23.8	23.4	22.8	22.8	-.41	-1.02	-1.04	-.61	-.63
11:00	25.3	24.9	24.6	24.6	-.39	-.66	-.75	-.27	-.37
12:00	27.0	26.3	26.0	25.8	-.76	-1.06	-1.21	-.29	-.45
13:00	27.8	27.4	27.2	27.0	-.42	-.67	-.79	-.25	-.37
14:00	28.9	28.2	28.0	27.9	-.71	-.93	-1.03	-.22	-.32
15:00	29.5	28.8	28.6	28.5	-.70	-.95	-1.06	-.25	-.36
16:00	30.3	29.7	29.3	29.2	-.62	-.98	-1.08	-.37	-.46
17:00	29.4	29.0	28.7	28.6	-.44	-.73	-.79	-.28	-.35
18:00	29.7	29.3	29.0	28.9	-.35	-.62	-.72	-.27	-.37
19:00	27.2	27.7	28.1	28.3	.54	.94	1.16	.40	.62
20:00	24.3	26.2	26.7	27.0	1.98	2.45	2.77	.47	.79
21:00	22.8	24.3	25.1	25.4	1.53	2.33	2.65	.79	1.12
22:00	21.7	22.9	23.6	24.4	1.21	1.95	2.68	.74	1.48
23:00	21.0	22.0	22.6	23.3	1.05	1.59	2.29	.54	1.24
Avg	23.8	24.0	24.0	24.1	.13	.14	.30	.02	.17
Max	30.3	29.7	29.3	29.2	1.98	2.45	2.77	.79	1.48
Hr. of Max	16	16	16	16	20	20	20	21	22
Min	19.4	19.5	19.7	19.9	-.76	-1.06	-1.21	-.61	-.63
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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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	19.9	20.7	20.2	25.6	96.8	98.7	17.1	18.0	0.015058
01:00	19.7	20.3	20.0	25.5	97.0	98.9	17.0	17.6	0.01494
02:00	19.5	20.0	19.8	25.3	97.1	99.0	16.8	17.2	0.014706
03:00	19.3	19.7	19.6	25.2	97.2	99.0	16.6	17.0	0.01452
04:00	18.9	19.5	19.2	25.1	97.2	99.0	16.2	16.8	0.01417
05:00	18.6	19.3	18.9	25.0	97.2	98.9	16.0	16.6	0.013929
06:00	18.6	19.0	18.9	24.9	97.3	98.9	15.9	16.3	0.013904
07:00	19.0	19.2	19.3	24.8	97.4	99.0	16.3	16.5	0.014252
08:00	19.9	20.1	20.2	24.7	96.5	99.0	17.2	17.4	0.015075
09:00	19.8	21.3	20.6	24.6	89.5	98.9	17.0	18.7	0.014989
10:00	20.1	21.3	21.3	24.7	81.9	91.0	17.2	18.6	0.015267
11:00	20.3	19.8	22.0	24.9	76.0	75.1	17.4	16.9	0.015517
12:00	20.2	19.4	22.5	25.2	68.2	67.9	17.2	16.4	0.015409
13:00	20.1	19.4	22.6	25.6	64.5	63.6	17.0	16.4	0.01529
14:00	19.8	19.1	22.8	26.1	59.4	59.6	16.7	16.1	0.015038
15:00	19.9	19.2	23.1	26.5	57.9	57.9	16.8	16.1	0.015153
16:00	19.7	18.8	23.2	26.7	54.7	53.5	16.5	15.6	0.014971
17:00	20.1	19.8	23.2	27.1	59.4	59.8	17.0	16.8	0.015422
18:00	19.9	19.6	23.1	27.3	57.6	57.6	16.8	16.5	0.015195
19:00	20.6	20.1	22.8	27.5	69.4	65.1	17.6	17.0	0.015793
20:00	20.8	19.7	21.9	27.6	83.0	69.1	17.9	16.7	0.015953
21:00	20.2	19.7	21.1	27.6	87.6	77.4	17.4	16.8	0.015392
22:00	19.7	19.8	20.4	27.4	90.6	84.7	16.9	16.9	0.014901
23:00	19.3	19.8	19.9	27.2	92.3	89.3	16.5	17.0	0.014518
Avg	19.7	19.8	21.1	25.9	81.9	81.7	16.9	16.9	0.014973
Max	20.8	21.3	23.2	27.6	97.4	99.0	17.9	18.7	0.015953
Hr. of Max	20	10	17	21	07	08	20	09	20
Min	18.6	18.8	18.9	24.6	54.7	53.5	15.9	15.6	0.013904
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/24/2015

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	0.015857	23.3	24.5	.00	29.05	984.0	-2.1	.00	272.8
01:00	0.015515	23.1	23.9	.00	29.05	983.8	-2.3	.00	259.0
02:00	0.01514	22.7	23.4	.00	29.05	983.6	-2.5	.00	241.1
03:00	0.014939	22.4	23.1	.00	29.04	983.5	-2.4	.00	311.9
04:00	0.014721	21.9	22.7	.00	29.05	983.7	-2.5	.00	306.8
05:00	0.014526	21.5	22.4	.00	29.05	983.7	-1.9	.00	268.8
06:00	0.014212	21.5	22.0	.00	29.07	984.5	1.2	.00	233.0
07:00	0.0144	22.1	22.3	.00	29.09	985.1	60.1	.09	277.4
08:00	0.015253	23.3	23.6	.00	29.10	985.5	204.6	.29	188.7
09:00	0.016493	23.2	25.5	.00	29.11	985.9	488.6	.70	154.6
10:00	0.016528	23.6	25.5	.00	29.11	985.8	523.5	.75	108.3
11:00	0.014987	24.0	23.2	.00	29.11	985.8	575.6	.83	145.8
12:00	0.014654	23.8	22.7	.00	29.10	985.5	1006.8	1.44	51.0
13:00	0.014697	23.6	22.7	.00	29.09	985.2	588.3	.84	162.4
14:00	0.01445	23.2	22.4	.00	29.07	984.5	929.8	1.33	247.3
15:00	0.014542	23.4	22.5	.00	29.06	984.1	793.0	1.14	288.3
16:00	0.014132	23.1	21.9	.00	29.05	983.7	750.8	1.08	225.3
17:00	0.01515	23.8	23.4	.00	29.04	983.4	425.3	.61	33.8
18:00	0.014901	23.4	23.0	.00	29.03	983.3	398.5	.57	33.2
19:00	0.015311	24.4	23.6	.00	29.04	983.5	137.5	.20	15.6
20:00	0.014949	24.6	23.1	.00	29.04	983.6	16.0	.02	35.1
21:00	0.01491	23.8	23.0	.00	29.05	984.0	-2.4	.00	334.3
22:00	0.01498	23.0	23.1	.00	29.06	984.2	-2.6	.00	318.9
23:00	0.01498	22.5	23.2	.00	29.07	984.4	-1.9	.00	4.5
Avg	0.015009	23.1	23.2	.00	29.07	984.3	286.6	.41	289.0
Max	0.016528	24.6	25.5	.00	29.11	985.9	1006.8	1.44	334.3
Hr. of Max	10	20	10	23	11	09	12	12	21
Min	0.014132	21.5	21.9	.00	29.03	983.3	-2.6	.00	4.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

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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	193.2	262.8	252.8	275.7	43.1	31.9	50.0	.4	.2
01:00	213.2	194.4	254.4	139.1	30.9	34.6	44.1	.4	.5
02:00	225.7	231.7	246.4	235.5	24.2	25.9	26.5	1.0	1.6
03:00	306.4	185.8	301.8	193.9	25.9	51.6	35.9	.7	.2
04:00	220.3	144.3	306.3	126.3	33.8	38.2	28.1	.3	.3
05:00	31.2	149.3	274.5	144.3	27.2	54.6	18.0	.3	.0
06:00	215.7	190.8	238.6	190.0	36.8	38.9	35.3	1.0	.8
07:00	262.3	183.2	279.8	197.7	34.9	34.5	27.7	.7	.9
08:00	212.1	232.2	202.5	233.6	39.0	46.3	50.0	.8	.7
09:00	167.2	183.1	160.8	184.2	43.2	43.6	43.4	.8	.7
10:00	124.2	87.7	113.6	71.2	54.3	52.1	57.9	1.0	.9
11:00	209.7	352.9	173.2	8.7	63.6	65.6	64.2	.5	.2
12:00	32.0	28.2	51.6	20.9	65.9	54.1	54.0	.7	.9
13:00	166.6	171.7	171.3	172.9	61.2	59.1	52.9	1.0	1.1
14:00	273.4	272.9	258.8	270.9	60.1	50.0	50.9	.7	1.0
15:00	296.9	299.0	281.0	292.1	55.2	44.6	36.5	1.2	1.6
16:00	241.7	246.9	232.0	247.8	35.1	28.7	27.2	3.0	3.6
17:00	35.2	41.9	35.1	36.4	58.1	52.7	53.7	1.7	3.1
18:00	38.1	36.6	33.4 +	31.5	59.2	34.2	27.9	1.7	3.6
19:00	28.2	36.6	16.7	30.5	30.6	10.8	8.9	1.6	5.5
20:00	41.5	45.7	35.8	40.7	51.7	10.1	9.2	1.5	4.0
21:00	41.7	52.2	336.2	48.0	35.1	22.1	13.3	.7	1.6
22:00	58.7	53.0	318.7	48.9	22.7	36.1	20.2	.6	.8
23:00	67.8	77.7	4.7	74.1	29.0	14.8	8.4	.8	1.5
Avg	224.0	144.0	283.0	115.0	42.5	39.0	35.2	.0	.0
Max	306.4	352.9	336.2	292.1	65.9	65.6	64.2	3.0	5.5
Hr. of Max	03	11	21	15	12	11	11	16	19
Min	28.2	28.2	4.7	8.7	22.7	10.1	8.4	.3	.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/24/2015

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	.2	.5	.3	.4	.8	.7	.6	1.7	.01
01:00	.2	.6	.8	.4	1.1	.8	1.1	-1.5	.02
02:00	.8	1.1	1.6	1.0	1.7	1.3	.9	.6	-.01
03:00	.3	1.0	.5	.6	1.3	1.0	-.5	-.5	-.05
04:00	.3	.5	.5	.4	.9	.9	2.2	-1.2	.04
05:00	.3	.3	.1	.4	.8	.8	.9	-1.3	.02
06:00	.5	1.0	.9	.9	1.4	1.3	.9	.3	.00
07:00	.8	.8	1.2	1.2	1.3	1.5	-.9	-2.2	-.06
08:00	.7	.9	.9	.9	1.5	1.3	.7	-9.6	.08
09:00	.6	1.4	1.2	1.0	1.9	1.6	1.9	-3.0	.10
10:00	.7	1.7	1.7	1.7	2.2	2.3	-2.3	-13.1	-.10
11:00	.1	1.7	1.8	1.7	2.4	2.3	3.3	8.1	.03
12:00	.9	2.4	2.2	2.0	2.9	2.8	-4.8	-8.3	-.15
13:00	1.1	1.5	1.5	1.4	2.1	2.1	4.0	9.8	.14
14:00	1.1	2.6	3.0	2.9	3.2	3.7	-11.3	-8.5	-.63
15:00	2.0	2.6	3.1	3.5	3.1	4.0	1.0	.0	-.07
16:00	3.8	3.5	4.0	4.2	4.1	4.8	-.3	4.0	-.13
17:00	3.6	2.9	4.1	4.7	3.3	5.2	-5.3	-.3	-.45
18:00	4.4	2.5	4.1	4.8	2.9	5.2	3.0	2.5	-.01
19:00	7.4	1.8	5.6	7.5	2.3	7.8	-1.9	-.1	-.19
20:00	6.2	1.6	4.1	6.3	1.8	6.6	-2.4	.7	-.15
21:00	2.3	.8	1.7	2.5	1.1	2.7	1.0	2.8	.05
22:00	1.9	.7	.8	2.1	1.0	2.4	.1	1.5	.00
23:00	2.7	.9	1.7	2.7	1.2	3.0	.7	1.1	.01
Avg	.0	1.5	2.0	2.3	1.9	2.8	-.3	-.7	-.06
Max	7.4	3.5	5.6	7.5	4.1	7.8	4.0	9.8	.14
Hr. of Max	19	16	19	19	16	19	13	13	13
Min	.1	.3	.1	.4	.8	.7	-11.3	-13.1	-.63
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/24/2015

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	.03	1.4	1.4	3.2	1.9	3.4	6.3	15.0
01:00	-.02	2.1	2.3	1.6	2.4	1.9	7.6	11.0
02:00	.03	2.7	3.0	3.0	3.3	3.1	10.0	11.5
03:00	.00	4.6	2.5	4.1	3.4	2.5	8.8	6.4
04:00	-.02	3.4	2.3	2.1	2.2	1.8	7.4	6.6
05:00	-.02	1.4	1.1	2.3	1.9	2.1	6.3	6.6
06:00	.01	2.7	3.0	3.2	3.3	3.6	8.4	7.2
07:00	-.05	4.8	5.5	6.4	3.4	4.3	18.9	9.3
08:00	-.23	3.0	3.4	4.1	3.7	5.0	23.7	21.8
09:00	.04	4.4	4.6	4.1	5.2	5.3	25.7	35.1
10:00	-.58	6.6	7.8	6.0	7.3	7.1	28.4	31.9
11:00	.41	6.9	5.0	6.4	9.2	6.6	30.5	32.3
12:00	-.55	6.9	6.0	6.9	9.6	7.9	26.0	33.7
13:00	.52	6.2	4.6	5.3	7.5	6.3	26.9	35.7
14:00	-.73	7.1	6.9	7.8	8.4	8.5	22.6	30.3
15:00	-.15	8.2	8.2	8.5	8.5	9.3	27.3	25.7
16:00	.28	8.2	8.2	8.5	9.1	9.5	19.9	20.3
17:00	-.04	8.5	8.9	8.9	8.2	9.3	22.1	16.2
18:00	.10	9.2	10.1	11.0	10.6	11.2	25.3	18.7
19:00	-.04	12.8	14.4	15.3	8.0	12.2	21.6	5.4
20:00	.04	4.1	10.8	11.9	4.4	11.2	14.8	4.9
21:00	.14	2.5	3.7	5.5	2.6	5.7	10.5	5.6
22:00	.09	4.1	2.1	4.8	2.3	5.7	9.1	8.1
23:00	.07	3.4	3.7	4.4	3.7	4.4	10.5	4.4
Avg	-.03	5.2	5.4	6.1	5.4	6.2	17.4	16.8
Max	.52	12.8	14.4	15.3	10.6	12.2	30.5	35.7
Hr. of Max	13	19	19	19	18	19	11	13
Min	-.73	1.4	1.1	1.6	1.9	1.8	6.3	4.4
Count	24	24	24	24	24	24	24	24
Total								