Date Printed: 06/04/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/3/2016

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	19.4	20.1	20.6	20.7	.69	1.20	1.38	.51	.69
01:00	19.1	19.9	20.4	20.5	.81	1.26	1.42	.45	.61
02:00	18.7	19.4	20.0	20.3	.75	1.32	1.68	.57	.93
03:00	18.0	19.0	19.2	19.6	1.00	1.25	1.65	.26	.66
04:00	17.5	18.7	18.8	19.1	1.16	1.31	1.54	.15	.39
05:00	17.1	18.3	18.6	18.9	1.16	1.47	1.74	.31	.58
06:00	16.9	17.9	18.2	18.4	.94	1.26	1.50	.32	.56
07:00	18.0	18.2	18.4	18.5	.16	.35	.52	.20	.37
08:00	19.9	19.5	19.3	19.3	-.43	-.65	-.61	-.22	-.18
09:00	22.8	22.0	20.8	21.3	-.82	-2.02	-1.52	-1.20	-.70
10:00	24.7	23.9	23.4	23.1	-.85	-1.32	-1.56	-.47	-.71
11:00	26.5	25.3	24.9	24.8	-1.21	-1.58	-1.68	-.36	-.47
12:00	28.0	26.7	26.3	26.2	-1.29	-1.63	-1.74	-.34	-.45
13:00	29.0	27.6	27.3	27.2	-1.38	-1.70	-1.81	-.32	-.43
14:00	29.9	28.6	28.2	28.0	-1.36	-1.75	-1.91	-.39	-.55
15:00	28.8	28.1	27.9	27.9	-.70	-.90	-.91	-.20	-.21
16:00	26.6	26.0	25.7	25.6	-.60	-.85	-.95	-.25	-.35
17:00	25.8	25.2	25.0	24.9	-.51	-.73	-.81	-.22	-.30
18:00	25.7	25.2	24.9	24.9	-.48	-.70	-.78	-.22	-.29
19:00	25.6	25.3	25.1	25.1	-.29	-.45	-.47	-.16	-.19
20:00	23.8	23.9	24.2	24.6	.12	.44	.83	.32	.71
21:00	22.7	23.3	23.7	24.0	.62	.97	1.27	.35	.65
22:00	22.5	23.0	23.4	23.7	.56	.96	1.27	.40	.71
23:00	22.2	22.7	23.0	23.3	.48	.80	1.06	.32	.58
Avg	22.9	22.8	22.8	22.9	-.06	-.07	.05	-.01	.11
Max	29.9	28.6	28.2	28.0	1.16	1.47	1.74	.57	.93
Hr. of Max	14	14	14	14	05	05	05	02	02
Min	16.9	17.9	18.2	18.4	-1.38	-2.02	-1.91	-1.20	-.71
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/3/2016

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	17.8	18.6	18.3	23.9	92.7	93.5	15.2	15.9	0.013157
01:00	17.8	18.8	18.2	23.7	93.9	95.2	15.1	16.1	0.013116
02:00	17.4	18.6	17.8	23.5	94.6	97.2	14.8	15.9	0.012843
03:00	16.9	18.4	17.3	23.3	95.4	98.7	14.4	15.8	0.012436
04:00	16.6	18.2	16.9	23.1	96.1	98.8	14.1	15.5	0.012171
05:00	16.2	17.8	16.5	22.9	96.3	98.8	13.8	15.2	0.011894
06:00	16.0	17.3	16.3	22.7	96.2	98.8	13.6	14.8	0.011714
07:00	17.3	17.7	17.5	22.5	97.6	99.0	14.7	15.1	0.012727
08:00	18.9	19.0	19.2	22.3	95.8	99.0	16.2	16.3	0.014075
09:00	18.5	18.2	19.9	22.3	79.0	81.2	15.7	15.4	0.013792
10:00	18.1	17.3	20.3	22.3	68.3	68.2	15.2	14.5	0.013414
11:00	18.1	17.4	20.9	22.5	61.7	63.2	15.2	14.5	0.013489
12:00	18.2	17.5	21.5	22.9	56.9	58.8	15.2	14.6	0.013568
13:00	17.9	17.3	21.6	23.4	52.6	54.9	14.8	14.4	0.013312
14:00	17.8	17.3	21.8	24.0	49.6	52.1	14.7	14.3	0.013272
15:00	18.3	17.8	21.8	24.4	54.8	55.3	15.3	14.8	0.013712
16:00	19.6	19.3	21.9	24.7	67.6	68.8	16.6	16.4	0.014852
17:00	20.0	19.8	21.9	24.8	72.3	73.6	17.0	16.8	0.015164
18:00	20.3	20.1	22.1	24.9	74.4	75.6	17.4	17.2	0.015515
19:00	20.2	20.0	22.0	24.9	74.1	74.7	17.2	17.1	0.015357
20:00	20.4	20.4	21.5	24.8	83.5	82.7	17.5	17.5	0.015557
21:00	19.8	20.3	20.8	24.7	85.7	85.4	17.0	17.5	0.014977
22:00	19.7	20.2	20.6	24.6	86.7	86.2	16.9	17.4	0.014903
23:00	19.8	20.2	20.6	24.4	88.6	88.1	17.0	17.4	0.014989
Avg	18.4	18.6	19.9	23.6	79.8	81.2	15.6	15.9	0.01375
Max	20.4	20.4	22.1	24.9	97.6	99.0	17.5	17.5	0.015557
Hr. of Max	20	20	18	19	07	08	20	21	20
Min	16.0	17.3	16.3	22.3	49.6	52.1	13.6	14.3	0.011714
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/3/2016

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	0.013846	20.5	21.5	.00	29.17	987.8	-3.1	.00	301.7
01:00	0.01398	20.4	21.7	.00	29.16	987.6	-1.8	.00	335.4
02:00	0.013832	20.0	21.5	.00	29.15	987.1	-1.1	.00	291.6
03:00	0.0137	19.3	21.3	.00	29.13	986.6	-1.5	.00	336.7
04:00	0.01346	18.9	20.9	.00	29.13	986.4	-1.6	.00	15.6
05:00	0.013135	18.5	20.4	.00	29.13	986.7	-1.6	.00	22.7
06:00	0.012765	18.2	19.9	.00	29.15	987.3	8.3	.01	247.5
07:00	0.013026	19.8	20.3	.00	29.17	987.7	75.2	.11	202.5
08:00	0.014174	21.9	22.0	.00	29.17	988.0	180.9	.26	21.8
09:00	0.013475	21.4	21.0	.00	29.18	988.2	621.5	.89	225.1
10:00	0.012736	20.9	19.8	.00	29.18	988.2	750.4	1.08	199.9
11:00	0.012861	21.0	20.0	.00	29.18	988.0	868.3	1.24	210.0
12:00	0.012987	21.1	20.2	.00	29.16	987.6	874.6	1.25	241.8
13:00	0.01284	20.7	20.0	.00	29.14	987.0	952.5	1.37	224.2
14:00	0.012859	20.6	20.0	.00	29.12	986.3	907.6	1.30	210.7
15:00	0.013288	21.3	20.6	.00	29.12	986.1	325.3	.47	280.7
16:00	0.014584	23.0	22.6	.00	29.11	985.9	263.4	.38	270.4
17:00	0.014973	23.5	23.2	.00	29.10	985.5	152.3	.22	222.3
18:00	0.015321	24.0	23.7	.00	29.09	985.1	169.6	.24	259.2
19:00	0.015231	23.7	23.5	.00	29.09	985.2	115.0	.16	255.4
20:00	0.01552	24.0	24.0	.00	29.10	985.5	19.1	.03	269.3
21:00	0.015494	23.2	24.0	.00	29.11	985.9	-2.0	.00	290.2
22:00	0.015334	23.1	23.7	.00	29.12	986.2	-2.5	.00	287.0
23:00	0.01535	23.2	23.8	.00	29.13	986.4	-1.6	.00	285.6
Avg	0.013949	21.3	21.7	.00	29.14	986.8	261.1	.38	268.0
Max	0.01552	24.0	24.0	.00	29.18	988.2	952.5	1.37	336.7
Hr. of Max	20	20	21	23	11	10	13	13	03
Min	0.012736	18.2	19.8	.00	29.09	985.1	-3.1	.00	15.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/3/2016

Interval: 001h

	41_WDir_035m	42_WDir_060m	46_SWDir_015m	50_Sigma_015m	51_Sigma_035m	52_Sigma_060m	55_RWSpd_015m	56_RWSpd_035m	57_RWSpd_060m
Hour	DEG	DEG	DEG	DEG	DEG	DEG	MPH	MPH	MPH
00:00	36.8	92.8	300.0	34.0	18.4	18.3	.6	1.0	.9
01:00	65.0	125.8	318.7	50.9	39.4	17.4	.4	.5	.7
02:00	53.4	177.1	290.5	23.5	40.7	26.9	.4	.2	.4
03:00	20.2	109.2	316.1	58.2	47.4	30.1	.2	.3	.2
04:00	53.0	73.0	12.5	35.7	15.1	8.6	.5	1.1	1.7
05:00	67.1	84.0	353.7	27.5	9.6	9.3	.5	1.0	1.8
06:00	65.8	77.5	251.5	38.5	55.6	9.6	.3	.5	1.1
07:00	16.2	32.7	226.7	67.4	23.9	14.5	.2	1.3	2.0
08:00	18.3	47.0	2.5	55.8	29.7	23.6	.4	1.0	1.4
09:00	241.3	226.7	226.3	41.0	36.1	42.3	1.7	1.7	1.4
10:00	200.8	193.5	202.8	47.6	38.6	34.2	1.8	2.1	2.3
11:00	215.2	209.2	219.2	39.0	28.6	20.6	3.5	4.3	4.5
12:00	245.9	238.8	249.9	41.8	41.0	37.6	2.6	3.5	4.1
13:00	236.3	231.0	232.7	40.3	34.8	30.8	3.1	3.8	4.2
14:00	219.2	217.4	216.3	46.8	43.1	40.3	1.8	1.9	2.2
15:00	281.0	279.5	282.1	33.5	23.5	19.2	2.1	3.2	3.8
16:00	282.0	285.7	273.9	27.8	21.4	18.5	3.9	5.2	6.7
17:00	232.4	222.4	229.0	26.5	28.3	33.2	1.7	1.8	1.8
18:00	272.5	276.3	261.0	31.4	25.8	32.1	2.0	2.5	2.8
19:00	259.6	260.7	262.3	45.1	36.7	34.1	1.4	1.8	2.3
20:00	242.7	235.0	268.5	24.5	15.4	13.8	.9	1.7	2.2
21:00	243.1	163.7	280.9	38.6	34.2	31.1	.9	.9	1.1
22:00	49.2	98.0	285.8	27.7	20.8	14.6	.8	.3	.5
23:00	291.5	85.4	282.0	48.1	46.9	16.3	.6	.1	.4
Avg	290.0	178.0	270.0	39.6	31.5	24.0	.0	.0	.0
Max	291.5	285.7	353.7	67.4	55.6	42.3	3.9	5.2	6.7
Hr. of Max	23	16	05	07	06	09	16	16	16
Min	16.2	32.7	2.5	23.5	9.6	8.6	.2	.1	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/3/2016

Interval: 001h

	58_WSpd_015m	59_WSpd_035m	60_WSpd_060m	66_HSSpd_015m	67_HSSpd_060m	70_WElev_015m	71_WElev_060m	72_VSSpd_015m	73_VSSpd_060m
Hour	MPH	MPH	MPH	MPH	MPH	DEG	DEG	MPH	MPH
00:00	.7	1.1	1.0	1.0	1.4	1.1	-1.7	.02	-.03
01:00	.6	.6	.8	.9	1.2	1.9	-2.5	.04	-.07
02:00	.4	.3	.6	.7	.9	.1	.7	.00	.04
03:00	.2	.3	.3	.5	.7	1.6	-.1	.02	.00
04:00	.6	1.2	1.8	.9	2.0	2.5	.6	.04	.02
05:00	.6	1.1	1.8	.9	2.1	1.3	.3	.03	.02
06:00	.6	.6	1.2	1.1	1.5	1.8	.2	.02	.01
07:00	.3	1.4	2.0	.7	2.4	.2	.4	.02	.09
08:00	.8	1.3	1.6	1.3	2.0	-4.3	-1.9	-.15	-.05
09:00	2.0	2.0	1.7	2.6	2.3	5.3	7.6	.24	.43
10:00	2.4	2.6	2.7	3.1	3.5	1.1	-6.3	.00	-.36
11:00	4.0	4.7	4.8	4.6	5.3	-2.8	-8.7	-.29	-.87
12:00	3.5	4.3	4.7	4.2	5.3	-2.6	-3.1	-.26	-.32
13:00	3.8	4.4	4.7	4.4	5.4	-.4	-7.5	-.16	-.80
14:00	3.2	3.5	3.8	3.8	4.3	3.5	2.2	.16	.15
15:00	2.6	3.8	4.5	2.8	4.6	-.7	-1.5	-.09	-.15
16:00	4.2	5.5	7.0	4.7	7.1	-2.2	.2	-.38	-.20
17:00	2.0	2.1	2.1	2.4	2.4	-.9	-3.8	-.06	-.12
18:00	2.3	2.8	3.2	2.7	3.4	-2.8	-3.9	-.19	-.28
19:00	2.3	2.9	3.6	2.6	3.8	-1.5	1.3	-.12	.01
20:00	1.0	1.8	2.4	1.3	2.5	.4	.2	-.01	.01
21:00	1.1	1.0	1.4	1.4	1.6	1.5	.2	.01	-.01
22:00	.9	.6	.5	1.2	.9	.0	-1.1	-.02	-.01
23:00	.9	.5	.4	1.2	.9	1.0	.9	.02	.01
Avg	1.7	2.1	2.4	2.1	2.8	.2	-1.1	-.05	-.10
Max	4.2	5.5	7.0	4.7	7.1	5.3	7.6	.24	.43
Hr. of Max	16	16	16	16	16	09	09	09	09
Min	.2	.3	.3	.5	.7	-4.3	-8.7	-.38	-.87
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/3/2016

Interval: 001h

	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	82_SPkWsH_015m	83_SPkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	86_SonicTemp_015m	87_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	2.3	3.9	4.4	2.2	3.1	9.0	13.8	21.4	21.9
01:00	2.1	2.5	4.1	2.7	4.1	10.5	16.6	21.3	21.6
02:00	1.6	1.8	2.3	1.7	2.7	7.9	9.5	20.7	21.4
03:00	1.4	1.6	1.8	1.5	2.1	8.1	7.5	20.3	20.7
04:00	2.3	3.0	3.7	2.4	3.7	8.8	3.5	20.0	20.2
05:00	2.5	3.0	4.1	2.6	3.3	6.2	4.1	19.5	19.9
06:00	2.7	3.9	3.4	3.1	3.9	8.4	7.3	19.0	19.4
07:00	1.6	3.9	4.6	2.1	4.7	16.6	8.0	19.4	19.5
08:00	3.0	4.1	4.1	3.7	4.8	27.6	20.7	21.0	20.5
09:00	5.3	4.8	5.0	6.3	6.6	25.9	33.0	23.2	22.5
10:00	7.3	8.5	8.2	10.2	8.9	28.1	33.7	24.9	24.2
11:00	11.2	12.1	12.4	11.0	12.2	20.4	21.8	26.2	25.4
12:00	11.2	11.2	10.8	11.6	12.1	24.8	25.3	27.7	26.8
13:00	11.0	10.8	11.4	10.9	12.7	23.6	22.3	28.6	27.6
14:00	13.3	10.3	10.1	9.7	10.9	25.6	26.3	29.6	28.6
15:00	7.1	8.9	8.7	7.2	9.6	19.6	12.8	29.3	28.5
16:00	10.8	12.6	13.5	11.6	15.3	18.3	13.3	27.4	26.6
17:00	6.4	7.6	6.6	6.1	5.5	20.7	20.0	26.7	26.0
18:00	6.6	7.1	7.6	8.3	8.0	19.0	18.4	26.7	26.1
19:00	6.0	6.2	7.1	6.9	8.3	18.9	15.4	26.8	26.2
20:00	5.5	6.0	6.0	3.2	3.8	8.9	3.4	25.5	25.9
21:00	3.2	3.2	4.6	3.4	3.9	8.3	8.8	24.9	25.2
22:00	2.7	2.7	1.4	3.3	1.6	6.8	5.1	24.5	25.0
23:00	3.4	3.7	1.8	2.4	2.0	6.5	8.5	24.2	24.5
Avg	5.4	6.0	6.2	5.6	6.4	15.8	15.0	24.1	23.9
Max	13.3	12.6	13.5	11.6	15.3	28.1	33.7	29.6	28.6
Hr. of Max	14	16	16	16	16	10	10	14	14
Min	1.4	1.6	1.4	1.5	1.6	6.2	3.4	19.0	19.4
Count	24	24	24	24	24	24	24	24	24
Total									