Date Printed: 07/15/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/14/2016

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	22.9	24.5	25.5	25.9	1.61	2.57	3.03	.95	1.42
01:00	22.5	23.6	24.3	25.1	1.10	1.80	2.53	.70	1.43
02:00	22.1	23.0	23.7	24.4	.96	1.60	2.32	.64	1.36
03:00	21.4	22.5	23.3	24.0	1.07	1.89	2.63	.82	1.56
04:00	20.8	22.0	22.6	23.5	1.20	1.80	2.73	.60	1.53
05:00	20.4	21.2	21.8	22.5	.82	1.43	2.10	.61	1.28
06:00	20.3	21.2	21.7	22.2	.90	1.32	1.82	.43	.93
07:00	21.6	21.8	22.5	23.1	.21	.86	1.48	.65	1.27
08:00	24.1	23.8	23.7	23.7	-.30	-.49	-.42	-.18	-.12
09:00	25.9	25.4	25.1	25.0	-.58	-.85	-.91	-.28	-.33
10:00	28.1	27.1	26.8	26.7	-.95	-1.33	-1.44	-.38	-.48
11:00	29.9	28.8	28.4	28.3	-1.09	-1.44	-1.54	-.36	-.46
12:00	31.1	30.0	29.6	29.5	-1.15	-1.56	-1.69	-.41	-.54
13:00	32.0	30.7	30.4	30.4	-1.25	-1.56	-1.62	-.31	-.37
14:00	32.5	31.5	31.2	31.1	-1.03	-1.35	-1.46	-.32	-.43
15:00	32.3	31.5	31.3	31.2	-.78	-1.00	-1.02	-.22	-.24
16:00	28.9	28.3	28.0	27.9	-.65	-.94	-1.00	-.29	-.35
17:00	24.4	23.8	23.6	23.5	-.51	-.75	-.85	-.24	-.34
18:00	22.0	21.8	21.6	21.7	-.24	-.37	-.34	-.13	-.10
19:00	21.6	21.4	21.4	21.4	-.18	-.23	-.19	-.05	-.01
20:00	21.3	21.1	21.0	21.1	-.20	-.24	-.13	-.04	.07
21:00	20.5	20.7	20.9	21.1	.21	.36	.56	.16	.35
22:00	20.0	20.3	20.7	21.1	.25	.68	1.06	.43	.81
23:00	20.3	20.3	20.5	20.7	.03	.22	.37	.19	.34
Avg	24.5	24.4	24.6	24.8	-.02	.10	.33	.12	.36
Max	32.5	31.5	31.3	31.2	1.61	2.57	3.03	.95	1.56
Hr. of Max	14	15	15	15	00	00	00	00	03
Min	20.0	20.3	20.5	20.7	-1.25	-1.56	-1.69	-.41	-.54
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/14/2016

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	21.1	21.5	21.7	28.1	91.8	85.5	18.3	18.7	0.016183
01:00	20.9	21.3	21.4	27.8	92.8	89.3	18.2	18.6	0.016006
02:00	20.6	21.2	21.1	27.6	93.7	92.2	17.9	18.5	0.015719
03:00	20.0	20.7	20.5	27.3	94.2	92.0	17.3	17.9	0.015183
04:00	19.4	19.6	19.9	27.1	94.0	88.5	16.7	16.8	0.01461
05:00	19.0	19.4	19.5	26.8	94.0	91.4	16.3	16.6	0.014248
06:00	19.0	19.5	19.5	26.6	94.4	92.2	16.3	16.8	0.014238
07:00	19.9	19.6	20.5	26.4	92.2	89.2	17.1	16.8	0.015046
08:00	20.4	19.9	21.7	26.2	82.0	80.8	17.6	17.1	0.015557
09:00	20.8	20.4	22.5	26.1	75.6	76.0	17.9	17.4	0.015958
10:00	21.3	20.7	23.6	26.1	68.8	70.0	18.4	17.8	0.016518
11:00	21.3	20.6	24.2	26.3	62.1	63.2	18.3	17.6	0.016505
12:00	21.2	20.7	24.5	26.8	57.4	59.2	18.1	17.5	0.016444
13:00	20.7	20.2	24.5	27.4	53.1	55.0	17.6	17.0	0.015986
14:00	20.4	20.0	24.5	28.2	50.6	52.2	17.2	16.8	0.015724
15:00	20.3	19.8	24.3	28.6	51.2	51.8	17.1	16.6	0.015637
16:00	20.6	20.2	23.4	28.8	62.7	63.7	17.5	17.2	0.015829
17:00	17.4	17.2	19.7	28.9	66.6	68.1	14.5	14.4	0.012831
18:00	18.8	18.5	19.9	28.9	84.1	83.5	16.0	15.7	0.014044
19:00	19.4	19.0	20.1	28.6	89.1	88.2	16.6	16.2	0.01457
20:00	19.3	19.1	19.9	28.4	90.6	90.9	16.5	16.4	0.014482
21:00	19.0	19.3	19.5	28.1	93.0	93.7	16.2	16.5	0.014177
22:00	18.7	19.2	19.1	27.8	94.3	95.7	16.0	16.4	0.013931
23:00	18.9	19.3	19.4	27.5	94.0	95.9	16.2	16.5	0.01413
Avg	19.9	19.9	21.5	27.5	80.1	79.5	17.1	17.0	0.015148
Max	21.3	21.5	24.5	28.9	94.4	95.9	18.4	18.7	0.016518
Hr. of Max	11	00	14	18	06	23	10	00	10
Min	17.4	17.2	19.1	26.1	50.6	51.8	14.5	14.4	0.012831
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/14/2016

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	0.016595	25.0	25.7	.00	29.17	987.8	-2.3	.00	280.6
01:00	0.016466	24.8	25.5	.00	29.16	987.4	-1.9	.00	250.6
02:00	0.016385	24.3	25.3	.00	29.14	986.7	-2.3	.00	298.5
03:00	0.015827	23.5	24.5	.00	29.13	986.6	-2.5	.00	333.4
04:00	0.014807	22.6	22.9	.00	29.14	986.8	-2.2	.00	262.1
05:00	0.014575	22.1	22.6	.00	29.14	987.0	-2.0	.00	340.0
06:00	0.014696	22.1	22.8	.00	29.15	987.1	5.4	.01	301.5
07:00	0.014742	23.3	22.9	.00	29.16	987.5	106.5	.15	239.1
08:00	0.015066	24.1	23.4	.00	29.18	988.2	257.1	.37	223.0
09:00	0.015496	24.7	24.0	.00	29.19	988.5	421.0	.60	227.6
10:00	0.015882	25.6	24.6	.00	29.18	988.2	678.6	.97	218.7
11:00	0.015793	25.5	24.5	.00	29.16	987.7	867.8	1.24	214.6
12:00	0.015861	25.4	24.5	.00	29.15	987.2	976.4	1.40	201.7
13:00	0.015418	24.7	23.9	.00	29.13	986.6	869.5	1.25	214.1
14:00	0.015292	24.3	23.7	.00	29.11	985.8	840.3	1.20	191.4
15:00	0.015135	24.2	23.4	.00	29.09	985.0	503.3	.72	223.0
16:00	0.015472	24.5	23.9	.00	29.09	985.3	394.5	.57	212.5
17:00	0.012712	19.9	19.8	.00	29.14	987.0	187.9	.27	267.1
18:00	0.013736	21.8	21.3	.01	29.13	986.7	48.7	.07	196.9
19:00	0.014261	22.5	22.1	.00	29.08	984.8	45.8	.07	199.4
20:00	0.014341	22.4	22.2	.00	29.10	985.4	12.1	.02	252.1
21:00	0.014474	22.0	22.4	.00	29.12	986.0	-1.8	.00	265.8
22:00	0.014358	21.6	22.3	.00	29.14	986.8	-1.5	.00	241.3
23:00	0.014437	21.9	22.4	.00	29.16	987.5	-2.0	.00	249.9
Avg	0.015076	23.5	23.4	.00	29.14	986.8	258.2	.37	243.0
Max	0.016595	25.6	25.7	.01	29.19	988.5	976.4	1.40	340.0
Hr. of Max	00	10	00	18	09	09	12	12	05
Min	0.012712	19.9	19.8	.00	29.08	984.8	-2.5	.00	191.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/14/2016

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	241.4	211.2	278.9	207.3	42.7	18.8	10.5	1.2	2.5
01:00	223.0	214.8	250.8	218.1	38.2	31.8	36.1	1.1	1.7
02:00	82.5	127.7	294.7	112.6	49.6	42.6	18.1	.7	.6
03:00	17.3	144.6	322.8	241.2	63.7	57.4	60.8	.7	.8
04:00	196.6	184.1	264.6	211.5	40.1	27.7	36.6	1.2	.9
05:00	348.3	198.6	291.7	219.2	64.0	23.0	26.2	.4	.6
06:00	60.3	124.5	292.7	112.2	46.1	27.7	9.9	.4	.6
07:00	253.5	223.2	243.5	242.3	18.0	24.3	22.6	1.1	1.3
08:00	231.3	233.9	227.3	229.4	21.0	16.3	13.4	2.8	3.7
09:00	232.4	227.6	234.2	222.1	23.0	17.8	15.2	3.7	4.8
10:00	224.8	221.9	223.7	216.1	28.5	18.5	15.7	4.5	6.2
11:00	221.5	219.2	219.5	213.9	33.6	26.0	22.9	3.9	5.0
12:00	212.8	211.4	208.7	206.0	36.3	29.9	23.1	4.4	5.9
13:00	218.5	216.1	219.9	210.2	29.6	24.8	21.8	4.6	6.1
14:00	206.1	202.9	197.3	196.9	31.0	29.4	24.3	4.0	5.3
15:00	226.3	223.1	228.3	217.0	26.2	17.8	14.7	5.1	7.5
16:00	224.1	226.4	219.0	221.1	29.4	24.8	22.3	4.9	7.0
17:00	278.9	282.9	272.8	274.2	36.5	27.9	25.5	6.5	9.1
18:00	199.7	194.3	206.5	189.7	33.3	26.2	19.1	2.1	3.6
19:00	176.8	149.8	200.2	145.0	44.6	31.7	28.4	.6	.7
20:00	258.9	243.1	257.3	238.2	52.6	31.9	26.8	1.2	2.0
21:00	302.6	298.0	280.4	288.6	56.0	69.2	44.4	.5	.8
22:00	300.1	328.0	243.5	311.3	54.7	62.3	46.3	.3	.8
23:00	223.8	207.7	253.0	218.6	47.5	27.8	34.0	1.3	1.8
Avg	234.0	211.0	246.0	217.0	39.4	30.7	25.8	.0	.0
Max	348.3	328.0	322.8	311.3	64.0	69.2	60.8	6.5	9.1
Hr. of Max	05	22	03	22	05	21	03	17	17
Min	17.3	124.5	197.3	112.2	18.0	16.3	9.9	.3	.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/14/2016

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	3.7	1.6	2.6	3.9	1.7	4.2	1.4	-.4	.02
01:00	2.4	1.5	2.0	2.9	1.8	3.1	.3	.5	-.03
02:00	.9	1.0	1.0	1.0	1.3	1.3	1.4	-.9	.03
03:00	.2	.8	1.2	.9	1.1	1.3	.5	-1.7	.00
04:00	1.3	1.4	1.8	1.4	1.8	1.8	.9	.1	.00
05:00	1.8	.6	1.4	1.8	.9	2.1	.6	-1.1	.00
06:00	.5	.6	.7	.5	.8	.9	.4	-1.4	.01
07:00	2.0	1.3	1.4	2.0	1.5	2.4	-.7	-.4	-.03
08:00	4.3	3.0	3.8	4.4	3.3	4.7	-.2	.2	-.12
09:00	5.7	4.0	5.0	5.8	4.5	6.3	-1.3	-.2	-.26
10:00	7.3	5.0	6.5	7.6	5.6	8.1	1.8	-1.7	-.04
11:00	5.8	4.4	5.4	6.1	5.1	6.8	1.0	-.1	-.15
12:00	6.9	5.2	6.6	7.4	5.8	8.0	1.7	-1.7	-.08
13:00	6.7	5.4	6.9	7.5	6.2	8.1	-.3	-1.0	-.20
14:00	6.4	5.0	6.1	7.1	5.6	7.6	.4	-1.1	-.11
15:00	9.4	5.7	8.0	9.9	6.2	10.4	.8	-.1	-.19
16:00	8.7	6.1	8.1	9.8	6.6	10.4	-.2	-1.8	-.23
17:00	11.2	7.4	10.1	12.4	8.1	13.0	-1.8	.1	-.65
18:00	5.2	3.0	4.8	6.6	3.6	7.1	3.5	2.3	.06
19:00	1.2	1.7	2.2	2.3	2.1	2.6	1.8	3.2	.05
20:00	2.8	1.8	2.6	3.6	2.1	3.7	.3	-.8	-.09
21:00	2.4	.9	1.2	2.5	1.2	2.6	2.8	.9	.05
22:00	2.3	1.2	1.6	2.8	1.5	3.0	1.8	3.1	.02
23:00	1.8	1.5	2.0	2.0	1.8	2.3	-.3	-.8	-.04
Avg	.0	2.9	3.9	4.7	3.3	5.1	.7	-.2	-.08
Max	11.2	7.4	10.1	12.4	8.1	13.0	3.5	3.2	.06
Hr. of Max	17	17	17	17	17	17	18	19	18
Min	.2	.6	.7	.5	.8	.9	-1.8	-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)

7/14/2016

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	36_SonicTemp_015m	37_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	-.04	4.6	4.8	5.7	9.0	4.3	26.0	27.3
01:00	.03	5.0	5.3	6.4	9.7	6.3	25.3	26.4
02:00	-.01	3.0	3.9	3.9	10.7	13.8	24.6	25.7
03:00	-.03	3.7	3.0	2.5	9.3	11.6	24.0	25.2
04:00	.01	3.4	5.0	4.8	8.4	7.9	23.4	24.8
05:00	.00	3.9	8.2	8.0	8.7	10.1	22.6	23.8
06:00	-.02	2.7	3.0	2.1	7.8	7.9	22.6	23.5
07:00	.00	3.7	3.2	4.4	10.0	5.8	23.3	24.2
08:00	-.02	7.6	7.8	8.9	17.2	10.1	25.3	24.7
09:00	-.19	10.1	11.2	13.1	17.4	13.8	26.8	26.0
10:00	-.39	17.9	15.6	21.5	18.8	12.7	28.5	27.6
11:00	-.23	11.7	17.2	15.3	22.3	18.9	30.1	29.2
12:00	-.35	15.6	19.0	18.1	20.8	16.3	31.2	30.3
13:00	-.32	16.7	14.7	16.0	17.3	14.8	32.0	31.1
14:00	-.38	12.4	13.3	16.3	18.0	18.1	32.7	31.8
15:00	-.14	16.7	18.5	20.6	17.7	9.7	32.7	32.0
16:00	-.28	36.4	41.7	45.8	18.2	12.4	29.6	28.8
17:00	-.58	32.5	34.1	38.9	21.1	17.1	25.0	24.3
18:00	.20	27.2	29.8	34.1	19.3	10.1	23.2	22.8
19:00	.17	5.5	12.4	11.9	18.6	14.6	22.9	22.5
20:00	-.07	5.7	9.2	7.3	15.4	6.3	22.5	22.3
21:00	.00	2.7	4.6	7.6	14.1	10.3	22.2	22.2
22:00	.15	3.4	6.4	8.2	12.7	13.8	21.7	22.2
23:00	-.03	3.9	5.0	4.8	10.4	8.4	21.8	21.8
Avg	-.11	10.7	12.4	13.6	14.7	11.5	25.8	25.9
Max	.20	36.4	41.7	45.8	22.3	18.9	32.7	32.0
Hr. of Max	18	16	16	16	11	11	15	15
Min	-.58	2.7	3.0	2.1	7.8	4.3	21.7	21.8
Count	24	24	24	24	24	24	24	24
Total								