Date Printed: 08/11/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/10/2016

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	23.4	24.7	25.5	26.3	1.34	2.11	2.89	.77	1.55
01:00	22.7	24.1	24.7	25.5	1.38	1.98	2.80	.60	1.42
02:00	22.3	23.6	24.1	25.2	1.33	1.79	2.97	.46	1.64
03:00	21.9	22.9	23.4	24.1	1.03	1.51	2.18	.48	1.15
04:00	22.4	23.2	23.3	23.6	.80	.93	1.20	.13	.40
05:00	22.0	23.0	23.2	23.4	.99	1.17	1.41	.18	.42
06:00	22.8	23.3	23.3	23.5	.46	.47	.69	.02	.23
07:00	23.6	23.7	23.7	23.7	.14	.08	.16	-.06	.02
08:00	24.9	24.7	24.5	24.4	-.25	-.44	-.50	-.19	-.26
09:00	26.1	25.8	25.6	25.5	-.29	-.53	-.62	-.25	-.33
10:00	26.8	26.4	26.1	26.0	-.43	-.70	-.83	-.27	-.41
11:00	28.3	27.5	27.2	27.0	-.84	-1.16	-1.31	-.32	-.47
12:00	29.1	28.3	27.9	27.8	-.81	-1.12	-1.23	-.31	-.42
13:00	30.1	29.2	28.9	28.8	-.91	-1.22	-1.35	-.31	-.44
14:00	31.1	30.1	29.8	29.7	-.94	-1.27	-1.35	-.33	-.41
15:00	32.3	31.4	31.1	30.9	-.87	-1.19	-1.32	-.32	-.45
16:00	33.5	32.4	32.0	31.9	-1.02	-1.42	-1.58	-.40	-.56
17:00	32.2	31.4	31.1	30.9	-.74	-1.10	-1.26	-.36	-.52
18:00	31.6	31.1	30.8	30.6	-.49	-.80	-.98	-.31	-.49
19:00	30.2	30.6	30.5	30.4	.43	.27	.23	-.15	-.20
20:00	26.9	28.3	28.9	29.5	1.37	1.95	2.61	.58	1.24
21:00	25.7	27.7	29.0	29.3	1.99	3.36	3.62	1.36	1.63
22:00	25.6	27.1	28.0	28.2	1.50	2.42	2.65	.92	1.14
23:00	24.8	27.1	27.4	27.5	2.30	2.60	2.69	.30	.39
Avg	26.7	27.0	27.1	27.2	.31	.40	.57	.09	.26
Max	33.5	32.4	32.0	31.9	2.30	3.36	3.62	1.36	1.64
Hr. of Max	16	16	16	16	23	21	21	21	02
Min	21.9	22.9	23.2	23.4	-1.02	-1.42	-1.58	-.40	-.56
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/10/2016

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	20.5	19.8	21.5	28.6	86.3	76.3	17.7	16.9	0.015674
01:00	20.3	20.1	21.1	28.4	88.3	80.5	17.5	17.2	0.015391
02:00	20.2	20.2	20.9	28.2	90.1	83.1	17.4	17.3	0.015291
03:00	20.1	20.3	20.7	28.0	91.6	87.3	17.3	17.5	0.015189
04:00	20.3	20.3	21.0	27.8	90.3	86.0	17.6	17.5	0.015455
05:00	20.2	20.4	20.8	27.6	91.9	87.6	17.5	17.6	0.01534
06:00	20.7	20.6	21.4	27.4	90.4	87.0	18.0	17.8	0.015842
07:00	20.9	20.5	21.8	27.2	87.5	84.5	18.2	17.7	0.016053
08:00	21.0	20.6	22.3	27.1	80.9	80.2	18.1	17.7	0.016067
09:00	20.8	20.5	22.6	27.0	74.7	74.3	17.9	17.5	0.015937
10:00	20.8	20.6	22.8	27.0	71.9	72.4	17.9	17.6	0.015962
11:00	21.0	20.8	23.5	27.1	66.6	68.8	18.0	17.8	0.016151
12:00	21.0	20.5	23.7	27.3	63.5	64.7	17.9	17.5	0.016097
13:00	20.8	20.3	23.9	27.5	59.3	60.3	17.7	17.2	0.016009
14:00	20.7	20.1	24.1	27.8	55.7	56.7	17.5	16.9	0.015863
15:00	19.3	18.7	23.6	28.1	48.0	48.5	16.1	15.5	0.014595
16:00	18.5	17.9	23.5	28.4	42.6	43.5	15.3	14.8	0.013901
17:00	19.7	19.4	23.8	28.7	49.4	50.6	16.5	16.2	0.014949
18:00	20.2	20.0	24.0	29.0	52.7	53.1	17.1	16.8	0.015488
19:00	20.9	20.4	24.0	29.1	59.7	56.4	17.8	17.3	0.0161
20:00	21.9	21.3	23.5	29.2	76.0	67.7	19.0	18.3	0.017043
21:00	21.7	21.1	23.0	29.1	81.1	69.6	18.9	18.1	0.016864
22:00	21.9	21.2	23.1	28.9	82.3	72.4	19.1	18.3	0.017054
23:00	21.5	20.5	22.6	28.7	84.4	69.2	18.7	17.5	0.016639
Avg	20.6	20.3	22.6	28.1	73.6	70.0	17.7	17.3	0.01579
Max	21.9	21.3	24.1	29.2	91.9	87.6	19.1	18.3	0.017054
Hr. of Max	22	20	14	20	05	05	22	22	22
Min	18.5	17.9	20.7	27.0	42.6	43.5	15.3	14.8	0.013901
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/10/2016

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	0.01501	24.3	23.3	.00	29.16	987.6	-2.2	.00	255.1
01:00	0.015234	23.8	23.6	.00	29.16	987.6	-2.1	.00	336.5
02:00	0.015293	23.7	23.7	.00	29.16	987.5	-2.4	.00	297.6
03:00	0.015403	23.5	23.9	.00	29.16	987.6	-2.4	.00	310.8
04:00	0.015453	23.9	23.9	.00	29.16	987.5	-2.0	.00	45.5
05:00	0.015523	23.8	24.0	.00	29.17	987.7	-2.4	.00	27.1
06:00	0.01567	24.5	24.3	.00	29.18	988.3	-1.6	.00	45.5
07:00	0.015636	24.9	24.3	.00	29.20	988.9	37.3	.05	42.0
08:00	0.015689	24.9	24.3	.00	29.22	989.4	141.7	.20	66.6
09:00	0.015594	24.7	24.2	.00	29.23	989.9	184.3	.26	92.4
10:00	0.015671	24.8	24.3	.00	29.24	990.2	284.4	.41	52.0
11:00	0.0159	25.1	24.7	.00	29.25	990.5	515.7	.74	335.4
12:00	0.015636	25.0	24.3	.00	29.24	990.3	532.4	.76	279.8
13:00	0.01544	24.8	24.0	.00	29.23	989.8	616.5	.87 +	153.8
14:00	0.01528	24.6	23.7	.00	29.21	989.2	711.1	1.02	157.1
15:00	0.014056	22.7	21.8	.00	29.18	988.3	671.1	.96	108.2
16:00	0.013409	21.6	20.8	.00	29.16	987.7	812.9	1.17	106.0
17:00	0.014669	23.2	22.8	.00	29.16	987.6	433.0	.62	167.3
18:00	0.015193	24.0	23.5	.00	29.15	987.3	311.5	.45	174.4
19:00	0.015651	24.9	24.2	.00	29.15	987.1	92.6	.13	196.3
20:00	0.016448	26.3	25.4	.00	29.16	987.4	5.9	.01	276.5
21:00	0.016272	26.1	25.2	.00	29.17	987.9	-2.0	.00	276.8
22:00	0.016382	26.4	25.4	.00	29.19	988.5	-2.7	.00	259.3
23:00	0.015621	25.8	24.2	.00	29.19	988.6	-2.6	.00	263.1
Avg	0.015422	24.5	23.9	.00	29.19	988.4	222.0	.32	346.0
Max	0.016448	26.4	25.4	.00	29.25	990.5	812.9	1.17	336.5
Hr. of Max	20	22	22	23	11	11	16	16	01
Min	0.013409	21.6	20.8	.00	29.15	987.1	-2.7	.00	27.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/10/2016

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	283.4	223.8	259.0	225.2	41.8	49.5	28.6	.9	.4
01:00	50.4	333.2	331.7	303.6	43.9	37.3	51.7	.6	1.0
02:00	62.4	327.4	285.3	312.9	55.5	50.3	53.2	.5	.4
03:00	344.5	75.4	312.1	341.9	31.6	48.2	46.4	.5	.5
04:00	55.3	66.3	51.8	54.0	26.9	15.7	9.6	1.3	2.6
05:00	67.7	67.3	36.7	54.7	39.2	16.6	8.7	.8	1.6
06:00	54.2	61.8	46.1	49.9	23.8	12.6	7.2	1.4	2.5
07:00	53.9	64.5	45.7	51.3	47.2	20.5	17.0	.9	2.0
08:00	63.1	64.9	69.1	52.7	31.0	21.4	14.8	1.8	2.9
09:00	91.0	83.2	94.6	69.6	32.9	36.0	26.5	2.1	2.7
10:00	45.3	41.8	54.3	28.0	41.3	34.3	21.9	1.7	2.4
11:00	348.0	343.9	334.3	329.2	37.5	30.4	32.0	2.1	2.8
12:00	299.3	301.5	284.0	291.2	40.2	32.2	31.2	2.2	2.8
13:00	164.0	44.4	216.9	20.2	51.6	45.7	50.8	.3	.2
14:00	159.3	140.4	166.8	135.5	54.0	57.2	49.8	1.5	1.7
15:00	110.0	108.7	112.8	98.0	39.0	30.6	24.0	3.8	4.9
16:00	106.0	105.9	106.9	94.9	38.2	35.4	30.8	4.4	5.2
17:00	177.6	177.4	173.4	170.9	27.7	24.9	21.2	4.6	5.7
18:00	176.6	166.8	180.0	160.2	35.7	30.3	24.1	2.8	3.5
19:00	178.9	168.4	199.7	163.0	24.0	23.3	17.8	2.1	3.1
20:00	211.7	175.3	273.0	171.1	19.0	14.1	8.3	1.1	1.9
21:00	205.7	174.5	279.3	169.3	27.1	29.8	18.2	1.2	1.8
22:00	212.8	193.9	262.9	187.9	24.0	14.1	14.2	1.9	3.4
23:00	236.8	195.5	267.2	193.0	25.9	30.3	37.0	2.2	2.7
Avg	106.0	103.0	304.0	88.0	35.8	30.9	26.9	.0	.0
Max	348.0	343.9	334.3	341.9	55.5	57.2	53.2	4.6	5.7
Hr. of Max	11	11	11	03	02	14	02	17	17
Min	45.3	41.8	36.7	20.2	19.0	12.6	7.2	.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)

8/10/2016

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	1.5	1.2	1.0	1.6	1.5	1.9	1.5	.5	.02
01:00	.7	.9	1.1	1.0	1.1	1.3	.8	2.4	.01
02:00	.7	.6	.7	1.3	.9	1.6	1.1	-.3	.02
03:00	.5	1.3	1.3	1.1	1.6	1.5	-.4	-.8	-.01
04:00	3.6	1.6	2.8	3.7	1.7	3.9	-.8	.1	-.09
05:00	2.4	1.0	1.6	2.4	1.2	2.6	1.4	.4	.02
06:00	3.5	1.5	2.6	3.6	1.7	3.8	-1.0	.4	-.06
07:00	3.1	1.1	2.2	3.2	1.4	3.4	-.8	-.8	-.05
08:00	3.5	2.0	3.1	3.7	2.2	3.9	1.2	2.7	-.03
09:00	3.2	2.4	2.9	3.3	2.9	3.7	.8	6.6	.01
10:00	2.9	2.0	2.6	3.1	2.5	3.5	-4.8	2.3	-.24
11:00	2.9	2.8	3.3	3.4	3.3	3.8	-6.0	-4.0	-.42
12:00	2.9	2.8	3.5	3.4	3.2	4.0	-3.1	-8.4	-.30
13:00	.3	2.3	2.4	2.4	2.9	3.0	-4.0	-6.0	-.20
14:00	1.7	2.4	2.4	2.4	3.1	3.0	-7.6	-3.8	-.29
15:00	6.0	4.7	5.6	6.7	5.4	7.4	1.2	1.7	.10
16:00	6.2	5.3	6.3	7.3	6.1	8.0	.4	4.0	-.02
17:00	6.7	6.1	7.7	8.7	6.9	9.2	1.6	.6	-.02
18:00	4.1	3.3	4.0	4.7	3.8	5.1	1.3	-2.9	-.01
19:00	3.9	2.6	3.4	4.1	3.1	4.3	1.5	.3	.05
20:00	3.0	1.3	2.1	3.0	1.5	3.2	.1	-.2	.00
21:00	3.2	1.4	2.1	3.5	1.6	3.7	-.5	-.3	-.02
22:00	4.4	2.0	3.6	4.5	2.3	4.7	.8	-.6	-.01
23:00	3.0	2.4	3.0	3.3	2.7	3.7	.1	-3.2	-.02
Avg	.0	2.3	3.0	3.6	2.7	3.9	-.6	-.4	-.07
Max	6.7	6.1	7.7	8.7	6.9	9.2	1.6	6.6	.10
Hr. of Max	17	17	17	17	17	17	17	09	15
Min	.3	.6	.7	1.0	.9	1.3	-7.6	-8.4	-.42
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/10/2016

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	.01	2.5	3.2	3.9	9.4	10.1	26.2	27.4
01:00	.06	3.2	3.2	3.4	7.6	10.8	25.5	26.7
02:00	.00	2.3	3.4	3.7	8.4	10.6	25.1	26.5
03:00	-.03	3.9	3.7	3.9	10.4	15.0	24.4	25.3
04:00	-.01	4.1	5.3	6.4	11.2	5.1	24.8	24.9
05:00	.02	2.5	3.4	5.3	9.0	4.9	24.5	24.7
06:00	.03	3.2	4.6	5.0	10.5	5.0	24.9	24.8
07:00	-.09	3.9	5.7	6.9	17.4	8.9	25.3	25.0
08:00	.15	7.1	7.6	13.3	21.4	11.7	26.3	25.7
09:00	.32	6.0	7.3	7.3	20.1	22.5	27.4	26.8
10:00	.12	7.1	5.7	6.2	24.4	20.1	28.0	27.2
11:00	-.34	8.0	8.5	8.9	21.5	22.3	29.1	28.3
12:00	-.71	13.7	15.3	14.2	24.1	23.8	29.8	29.0
13:00	-.52	7.8	7.8	8.0	27.0	31.9	30.7	30.0
14:00	-.40	7.6	7.6	6.6	25.4	30.0	31.5	30.8
15:00	.30	11.4	13.5	13.5	19.9	19.6	32.5	31.7
16:00	.34	17.2	16.3	16.7	19.2	19.1	33.5	32.5
17:00	-.12	17.2	19.9	19.9	18.4	15.0	32.6	31.7
18:00	-.35	9.8	11.4	18.1	22.0	20.6	32.4	31.6
19:00	-.09	8.7	8.5	9.6	14.2	12.9	32.0	31.5
20:00	-.01	3.7	6.6	6.9	5.8	4.9	29.8	30.8
21:00	-.12	6.4	5.7	8.7	15.0	14.2	29.1	30.4
22:00	-.06	9.8	9.4	11.0	11.5	7.5	28.6	29.4
23:00	-.28	6.2	7.3	9.8	12.7	19.7	28.5	28.6
Avg	-.07	7.2	8.0	9.1	16.1	15.3	28.4	28.4
Max	.34	17.2	19.9	19.9	27.0	31.9	33.5	32.5
Hr. of Max	16	17	17	17	13	13	16	16
Min	-.71	2.3	3.2	3.4	5.8	4.9	24.4	24.7
Count	24	24	24	24	24	24	24	24
Total								