Date Printed: 02/23/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

2/22/2017

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	12.4	13.3	13.6	14.0	.94	1.25	1.56	.31	.62
01:00	12.2	12.7	13.1	13.4	.51	.90	1.24	.39	.74
02:00	11.9	12.5	12.7	13.3	.60	.79	1.36	.19	.76
03:00	11.8	12.5	12.6	13.0	.62	.77	1.15	.14	.52
04:00	12.1	12.6	12.7	12.9	.44	.58	.78	.14	.34
05:00	12.2	12.7	12.7	12.9	.48	.55	.74	.07	.26
06:00	12.2	12.8	12.9	13.0	.63	.69	.84	.07	.21
07:00	12.2	12.9	12.9	13.0	.70	.77	.84	.07	.14
08:00	12.6	12.8	12.7	12.7	.20	.17	.16	-.03	-.04
09:00	12.8	12.8	12.6	12.6	-.07	-.19	-.25	-.12	-.18
10:00	13.4	13.2	13.0	12.9	-.21	-.40	-.52	-.19	-.31
11:00	13.8	13.6	13.4	13.2	-.26	-.47	-.60	-.21	-.34
12:00	14.6	14.2	13.9	13.8	-.35	-.63	-.77	-.28	-.42
13:00	15.2	14.9	14.7	14.5	-.33	-.59	-.74	-.26	-.41
14:00	15.6	15.3	15.0	14.9	-.27	-.52	-.66	-.25	-.39
15:00	16.0	15.7	15.4	15.3	-.24	-.54	-.67	-.30	-.43
16:00	16.1	15.9	15.6	15.5	-.23	-.51	-.63	-.27	-.40
17:00	15.6	15.6	15.4	15.3	-.01	-.19	-.28	-.18	-.27
18:00	14.4	14.9	14.9	14.9	.51	.49	.47	-.02	-.04
19:00	13.3	14.2	14.3	14.4	.95	1.05	1.12	.09	.17
20:00	12.4	13.6	13.9	14.1	1.23	1.50	1.70	.27	.47
21:00	12.3	13.5	13.8	14.1	1.20	1.44	1.81	.24	.61
22:00	11.8	13.1	13.4	13.7	1.24	1.56	1.87	.31	.63
23:00	10.5	12.2	12.7	13.2	1.77	2.21	2.74	.44	.97
Avg	13.2	13.6	13.7	13.8	.42	.45	.55	.03	.13
Max	16.1	15.9	15.6	15.5	1.77	2.21	2.74	.44	.97
Hr. of Max	16	16	16	16	23	23	23	23	23
Min	10.5	12.2	12.6	12.6	-.35	-.63	-.77	-.30	-.43
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/22/2017

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	11.9	11.6	12.0	12.2	98.0	90.3	10.6	10.3	0.008929
01:00	11.7	12.2	11.8	12.2	97.9	98.0	10.4	10.8	0.008815
02:00	11.4	12.1	11.6	12.1	97.9	98.8	10.3	10.7	0.008665
03:00	11.3	12.1	11.5	12.1	97.9	98.8	10.2	10.7	0.008608
04:00	11.6	12.2	11.8	12.0	97.9	98.9	10.4	10.8	0.008769
05:00	11.6	12.3	11.8	12.0	97.8	98.9	10.4	10.9	0.00881
06:00	11.7	12.4	11.8	12.0	97.9	98.7	10.4	10.9	0.008818
07:00	11.6	12.3	11.8	11.9	97.9	98.0	10.4	10.9	0.008804
08:00	12.1	12.3	12.2	11.9	98.0	98.4	10.7	10.9	0.00904
09:00	12.3	12.3	12.5	11.9	97.9	98.7	10.8	10.9	0.009184
10:00	12.8	12.7	13.0	11.9	98.0	98.6	11.2	11.1	0.009529
11:00	13.3	13.1	13.5	12.0	98.1	98.5	11.5	11.4	0.009826
12:00	13.9	13.7	14.1	12.1	97.5	98.1	12.0	11.8	0.010254
13:00	13.6	13.4	14.2	12.3	91.7	92.3	11.8	11.6	0.010084
14:00	13.6	13.4	14.2	12.5	89.6	89.9	11.7	11.6	0.010056
15:00	13.3	13.2	14.2	12.7	85.8	86.5	11.5	11.4	0.009886
16:00	13.2	13.0	14.2	12.8	84.1	84.6	11.4	11.3	0.009784
17:00	12.9	13.0	13.8	13.0	85.5	85.7	11.2	11.2	0.009637
18:00	12.9	13.1	13.4	13.1	92.0	90.3	11.2	11.4	0.009596
19:00	12.7	13.3	12.9	13.1	97.6	95.6	11.1	11.5	0.009448
20:00	11.8	13.1	12.0	13.0	97.9	98.6	10.5	11.4	0.008927
21:00	11.8	13.1	12.0	12.9	97.9	98.5	10.5	11.4	0.008908
22:00	11.3	12.7	11.5	12.8	97.7	98.9	10.2	11.1	0.008605
23:00	9.9	11.9	10.1	12.7	97.6	99.1	9.3	10.6	0.007845
Avg	12.3	12.7	12.6	12.4	95.4	95.5	10.8	11.1	0.009201
Max	13.9	13.7	14.2	13.1	98.1	99.1	12.0	11.8	0.010254
Hr. of Max	12	12	16	19	11	23	12	12	12
Min	9.9	11.6	10.1	11.9	84.1	84.6	9.3	10.3	0.007845
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/22/2017

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	0.008751	13.9	13.6	.00	29.05	983.8	-2.1	.00	68.7
01:00	0.00912	13.7	14.2	.02	29.04	983.4	-2.5	.00	148.1
02:00	0.009096	13.5	14.2	.00	29.02	982.7	-2.7	.00	91.3
03:00	0.009054	13.4	14.1	.00	29.01	982.6	-2.0	.00	193.2
04:00	0.009125	13.7	14.2	.00	29.01	982.5	-1.8	.00	61.5
05:00	0.009194	13.7	14.3	.01	29.02	982.7	-2.1	.00	66.6
06:00	0.009261	13.7	14.4	.00	29.03	983.0	-2.1	.00	55.2
07:00	0.009227	13.7	14.4	.00	29.03	983.3	4.4	.01	61.7
08:00	0.009199	14.1	14.3	.03	29.06	984.0	29.7	.04	65.6
09:00	0.009211	14.3	14.4	.03	29.06	984.0	78.4	.11	62.6
10:00	0.009455	14.8	14.7	.02	29.05	983.8	160.8	.23	66.0
11:00	0.009705	15.3	15.1	.01	29.04	983.5	192.4	.28	61.5
12:00	0.010081	15.9	15.7	.00	29.02	982.8	263.9	.38	52.5
13:00	0.009932	15.7	15.4	.00	28.99	981.9	243.6	.35	65.5
14:00	0.009913	15.6	15.4	.00	28.98	981.3	199.2	.29	58.5
15:00	0.009811	15.3	15.2	.00	28.96	980.9	171.8	.25	62.3
16:00	0.009695	15.2	15.1	.00	28.96	980.9	155.8	.22	62.7
17:00	0.009646	15.0	15.0	.00	28.97	981.0	77.8	.11	63.8
18:00	0.009732	14.9	15.1	.00	28.98	981.3	10.2	.01	51.4
19:00	0.009836	14.7	15.3	.00	28.98	981.5	-2.5	.00	60.2
20:00	0.009744	13.9	15.1	.00	28.99	981.9	-2.6	.00	69.6
21:00	0.009697	13.9	15.1	.00	29.00	982.0	-1.9	.00	75.7
22:00	0.009453	13.4	14.7	.00	28.99	981.7	-2.5	.00	65.6
23:00	0.008964	12.2	13.9	.00	28.99	981.6	-2.4	.00	93.7
Avg	0.009454	14.3	14.7	.01	29.01	982.4	65.0	.10	70.0
Max	0.010081	15.9	15.7	.03	29.06	984.0	263.9	.38	193.2
Hr. of Max	12	12	12	09	09	09	12	12	03
Min	0.008751	12.2	13.6	.00	28.96	980.9	-2.7	.00	51.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/22/2017

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	41.9	138.4	305.2	156.1	21.9	36.1	42.8	.3	.3
01:00	294.3	284.7	280.9	272.3	36.6	25.7	22.3	.6	.5
02:00	48.7	16.4	256.0	5.9	49.3	72.7	16.2	.2	.4
03:00	247.3	205.3	260.6	200.3	31.7	32.4	21.5	.2	1.5
04:00	55.9	57.3	48.4	51.2	16.7	16.1	21.1	1.4	2.6
05:00	57.6	64.1	42.3	55.1	12.1	11.2	7.7	.8	2.4
06:00	63.4	63.5	42.8	54.7	13.9	10.7	6.7	1.8	3.5
07:00	65.5	65.1	54.4	56.3	15.5	11.1	6.4	2.5	5.2
08:00	63.9	62.2	56.2	53.3	18.5	12.5	6.9	2.6	5.7
09:00	60.3	58.5	56.3	49.4	20.7	14.5	8.8	3.1	6.0
10:00	61.3	61.2	58.2	52.4	26.8	18.1	12.7	3.0	5.5
11:00	56.1	57.7	53.7 +	48.9	26.6	18.3	12.9	2.5	4.7
12:00	49.2	51.5	44.5	41.5	28.9	17.5	11.0	3.0	6.3
13:00	58.8	58.7	54.4	49.7	30.8	25.1	18.2	2.9	4.1
14:00	57.0	55.1	49.4	45.4	30.3	21.1	16.1	2.8	4.6
15:00	53.3	52.1	55.3	42.6	29.8	18.8	15.0	2.6	5.1
16:00	56.1	54.8	57.2	45.4	23.6	17.1	11.3	3.3	5.7
17:00	58.8	57.4	58.0	48.5	24.6	15.8	9.5	2.7	5.4
18:00	50.1	53.5	38.7	44.0	18.9	10.4	6.8	2.2	5.3
19:00	59.3	61.3	49.9	52.3	13.2	8.4	5.3	1.7	3.9
20:00	47.8	49.6	43.5	39.6	14.0	8.9	6.9	1.0	3.1
21:00	74.2	60.1	59.6	51.1	11.4	6.2	4.6	.9	3.0
22:00	49.7	59.6	51.2	50.5	15.5	10.2	6.0	1.2	2.5
23:00	58.0	55.0	350.0	45.3	16.0	8.9	6.1	.4	1.6
Avg	53.0	58.0	39.0	49.0	22.8	18.7	12.6	.0	.0
Max	294.3	284.7	350.0	272.3	49.3	72.7	42.8	3.3	6.3
Hr. of Max	01	01	23	01	02	02	00	16	12
Min	41.9	16.4	38.7	5.9	11.4	6.2	4.6	.2	.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/22/2017

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	.4	.6	.4	.9	.9	1.8	-1.0	.04
01:00	.8	.6	1.5	1.5	1.1	1.8	1.8	1.3	.02
02:00	1.9	.3	.7	2.0	.7	2.3	.7	4.5	.00
03:00	.8	.4	1.8	.9	1.0	1.2	1.5	-.7	.02
04:00	3.6	1.5	2.7	3.6	1.7	3.8	-4.6	-.4	-.16
05:00	4.1	.9	2.6	4.2	1.2	4.4	-1.3	-.3	-.06
06:00	5.4	1.9	3.6	5.4	2.1	5.7	-4.9	.7	-.22
07:00	7.8	2.6	5.3	7.9	2.7	8.2	-3.3	1.0	-.22
08:00	7.9	2.8	5.8	7.9	3.0	8.3	.3	1.2	-.11
09:00	8.4	3.3	6.1	8.5	3.6	8.9	.5	.7	-.18
10:00	7.5	3.3	5.8	7.7	3.8	8.1	3.9	2.7	.02
11:00	6.1	2.8	5.0	6.2	3.2	6.6	.9	4.2	-.07
12:00	7.3	3.3	6.4	7.4	3.6	7.7	3.0	.6	-.06
13:00	5.0	3.3	4.4	5.2	3.6	5.6	2.2	4.6	-.04
14:00	5.7	3.2	5.0	6.0	3.5	6.3	3.7	1.0	.02
15:00	5.8	2.9	5.3	6.0	3.3	6.4	3.4	2.4	-.04
16:00	7.1	3.6	6.0	7.3	4.1	7.7	.9	1.0	-.14
17:00	7.2	3.0	5.6	7.3	3.3	7.6	.5	1.1	-.14
18:00	7.0	2.3	5.4	7.1	2.6	7.3	-3.4	-.6	-.23
19:00	4.8	1.8	4.0	4.9	2.0	5.1	-5.2	-.6	-.21
20:00	4.9	1.0	3.2	4.9	1.3	5.1	.8	.7	-.03
21:00	4.4	.9	3.0	4.4	1.2	4.6	-.7	.3	-.02
22:00	4.3	1.3	2.6	4.4	1.5	4.5	.4	1.1	-.02
23:00	3.5	.4	1.7	3.5	.8	3.7	2.1	1.7	.02
Avg	.0	2.0	3.9	5.2	2.3	5.5	.2	1.1	-.08
Max	8.4	3.6	6.4	8.5	4.1	8.9	3.9	4.6	.04
Hr. of Max	09	16	12	09	16	09	10	13	00
Min	.3	.3	.6	.4	.7	.9	-5.2	-1.0	-.23
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/22/2017

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	86_SonicTemp_015m	87_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	-.01	1.8	2.1	1.8	5.7	7.0	14.1	14.4
01:00	.04	3.0	3.2	5.0	9.1	7.0	13.5	13.9
02:00	.18	2.1	2.7	4.4	8.0	9.4	13.3	13.8
03:00	-.02	2.1	3.2	2.1	5.9	7.1	13.2	13.5
04:00	-.01	3.0	4.6	5.5	8.7	5.7	13.4	13.4
05:00	-.03	3.2	5.3	8.2	11.8	5.0	13.5	13.4
06:00	.06	4.1	7.1	8.2	10.8	4.8	13.6	13.5
07:00	.11	7.1	10.1	11.7	13.5	5.1	13.7	13.5
08:00	.12	8.5	10.1	12.8	17.6	5.9	13.6	13.2
09:00	.04	9.4	14.0	23.1	20.0	7.4	13.6	13.0
10:00	.24	10.3	12.6	13.3	23.4	11.5	14.0	13.3
11:00	.35	9.2	15.1	16.5	22.2	11.3	14.5	13.7
12:00	.01	10.3	11.0	15.8	24.6	8.9	15.2	14.3
13:00	.33	8.9	9.4	12.1	22.5	16.2	15.9	15.0
14:00	.08	9.6	9.6	11.0	23.9	10.2	16.2	15.4
15:00	.18	8.7	13.5	13.5	23.8	12.0	16.6	15.8
16:00	.05	10.3	12.8	13.1	19.9	9.9	16.8	16.0
17:00	.11	8.5	10.8	17.2	21.8	7.4	16.5	15.9
18:00	-.10	6.6	12.4	12.4	16.2	5.5	15.8	15.4
19:00	-.06	3.4	6.6	8.7	9.8	3.6	15.1	14.9
20:00	.05	5.0	9.6	10.8	12.9	4.3	14.4	14.6
21:00	.02	2.1	4.6	7.8	8.5	3.5	14.4	14.7
22:00	.08	3.0	6.9	12.1	9.7	3.8	13.9	14.3
23:00	.11	3.0	5.0	9.4	7.2	3.3	12.9	13.8
Avg	.08	6.0	8.4	10.7	14.9	7.3	14.5	14.3
Max	.35	10.3	15.1	23.1	24.6	16.2	16.8	16.0
Hr. of Max	11	16	11	09	12	13	16	16
Min	-.10	1.8	2.1	1.8	5.7	3.3	12.9	13.0
Count	24	24	24	24	24	24	24	24
Total								