Date Printed: 01/25/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

1/24/2017

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	6.7	6.6	6.4	6.3	-.05	-.22	-.33	-.17	-.28
01:00	6.4	6.3	6.2	6.0	-.07	-.25	-.36	-.17	-.29
02:00	6.1	6.0	5.9	5.8	-.08	-.26	-.37	-.17	-.29
03:00	5.8	5.7	5.6	5.4	-.08	-.26	-.38	-.18	-.30
04:00	5.7	5.6	5.4	5.3	-.09	-.27	-.39	-.18	-.29
05:00	5.4	5.3	5.1	5.0	-.10	-.28	-.41	-.18	-.31
06:00	5.3	5.2	5.0	4.9	-.09	-.26	-.38	-.17	-.29
07:00	5.3	5.2	5.1	4.9	-.08	-.25	-.37	-.17	-.29
08:00	5.3	5.2	5.0	4.9	-.13	-.30	-.44	-.18	-.31
09:00	5.8	5.5	5.3	5.2	-.26	-.49	-.63	-.23	-.38
10:00	7.2	6.5	6.3	6.1	-.64	-.93	-1.12	-.29	-.48
11:00	8.2	7.4	7.1	6.9	-.75	-1.11	-1.29	-.36	-.54
12:00	9.1	8.2	8.0	7.8	-.88	-1.16	-1.30	-.28	-.41
13:00	9.7	9.0	8.6	8.4	-.74	-1.11	-1.31	-.37	-.57
14:00	10.6	9.8	9.5	9.3	-.78	-1.11	-1.25	-.33	-.47
15:00	10.8	10.0	9.7	9.6	-.79	-1.10	-1.21	-.31	-.42
16:00	10.7	10.0	9.7	9.6	-.66	-.93	-1.05	-.27	-.39
17:00	9.1	9.4	9.3	9.2	.29	.17	.11	-.12	-.18
18:00	6.2	7.9	8.6	8.8	1.78	2.48	2.61	.71	.83
19:00	4.4	6.6	7.3	8.1	2.21	2.92	3.66	.71	1.45
20:00	3.4	5.5	6.0	7.0	2.02	2.58	3.58	.56	1.56
21:00	3.1	4.6	5.2	6.3	1.56	2.09	3.19	.52	1.63
22:00	2.0	4.0	4.6	5.5	2.00	2.64	3.57	.64	1.57
23:00	1.4	3.0	3.8	5.0	1.69	2.41	3.68	.72	2.00
Avg	6.4	6.6	6.6	6.7	.22	.21	.33	-.01	.11
Max	10.8	10.0	9.7	9.6	2.21	2.92	3.68	.72	2.00
Hr. of Max	15	16	16	16	19	19	23	23	23
Min	1.4	3.0	3.8	4.9	-.88	-1.16	-1.31	-.37	-.57
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/24/2017

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	4.0	3.9	4.9	11.5	83.7	83.5	6.3	6.3	0.005223
01:00	4.1	4.0	4.8	11.3	85.7	85.8	6.3	6.3	0.005254
02:00	3.8	3.7	4.5	11.2	85.6	85.7	6.2	6.2	0.00514
03:00	3.4	3.4	4.2	11.1	85.5	85.6	6.1	6.1	0.005024
04:00	3.5	3.4	4.2	10.9	86.8	86.9	6.1	6.1	0.005048
05:00	3.3	3.2	4.0	10.8	86.7	86.9	6.0	6.0	0.004953
06:00	3.1	3.1	3.8	10.7	86.5	86.8	6.0	5.9	0.004894
07:00	2.7	2.6	3.6	10.6	83.8	83.6	5.8	5.7	0.004743
08:00	2.8	2.7	3.6	10.5	84.6	84.7	5.8	5.8	0.004784
09:00	2.5	2.3	3.6	10.4	80.2	80.1	5.7	5.6	0.004682
10:00	2.1	1.7	3.8	10.3	70.8	71.6	5.5	5.4	0.004555
11:00	2.4	1.7	4.3	10.3	67.3	67.6	5.6	5.4	0.00464
12:00	2.2	1.5	4.5	10.2	62.5	63.1	5.5	5.3	0.004594
13:00	2.2	1.9	4.7	10.3	60.0	61.7	5.5	5.4	0.004588
14:00	2.1	1.6	4.9	10.4	56.4	57.2	5.5	5.3	0.004579
15:00	1.9	1.4	4.9	10.5	54.6	55.5	5.4	5.2	0.004501
16:00	1.6	1.2	4.6	10.6	54.2	54.8	5.3	5.1	0.004425
17:00	1.8	1.0	4.2	10.6	61.0	56.4	5.4	5.1	0.004453
18:00	2.4	1.5	3.7	10.7	77.8	64.3	5.7	5.3	0.00466
19:00	2.0	1.6	2.8	10.7	85.1	71.2	5.5	5.3	0.004514
20:00	1.8	1.9	2.3	10.6	89.5	78.8	5.4	5.5	0.004438
21:00	1.6	2.0	2.1	10.5	90.7	83.8	5.4	5.5	0.004383
22:00	.8	1.9	1.2	10.3	92.8	86.8	5.1	5.5	0.004139
23:00	.5	1.6	.8	10.1	94.5	91.0	5.0	5.4	0.004037
Avg	2.4	2.3	3.8	10.6	77.8	75.6	5.7	5.6	0.004677
Max	4.1	4.0	4.9	11.5	94.5	91.0	6.3	6.3	0.005254
Hr. of Max	01	01	15	00	23	23	01	01	01
Min	.5	1.0	.8	10.1	54.2	54.8	5.0	5.1	0.004037
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/24/2017

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	0.005194	8.1	8.1	.00	28.84	976.7	-2.3	.00	255.5
01:00	0.005232	8.2	8.1	.00	28.84	976.8	-2.2	.00	250.4
02:00	0.005119	8.0	8.0	.00	28.86	977.3	-2.4	.00	256.9
03:00	0.005003	7.8	7.8	.00	28.87	977.6	-2.2	.00	259.9
04:00	0.005021	7.9	7.8	.00	28.87	977.8	-2.0	.00	246.8
05:00	0.004932	7.7	7.7	.00	28.90	978.8	-2.5	.00	262.7
06:00	0.004879	7.6	7.6	.00	28.93	979.7	-2.6	.00	252.7
07:00	0.004706	7.4	7.4	.00	28.95	980.5	-1.2	.00	252.5
08:00	0.004749	7.5	7.4	.00	28.97	981.2	21.9	.03	255.8
09:00	0.004597	7.3	7.2	.00	29.00	982.1	139.6	.20	268.6
10:00	0.004404	7.1	6.9	.00	29.01	982.5	412.0	.59	282.9
11:00	0.004427	7.3	6.9	.00	29.01	982.4	510.8	.73	272.7
12:00	0.004361	7.2	6.8	.00	28.99	981.6	549.8	.79	269.7
13:00	0.004492	7.2	7.0	.00	28.96	980.8	440.8	.63	308.6
14:00	0.004401	7.2	6.9	.00	28.94	979.9	524.8	.75	264.7
15:00	0.00434	7.0	6.8	.00	28.94	979.9	418.1	.60	258.8
16:00	0.004273	6.9	6.7	.00	28.95	980.5	252.2	.36	266.2
17:00	0.004216	7.0	6.6	.00	28.97	981.1	58.9	.08	262.5
18:00	0.00435	7.3	6.8	.00	28.98	981.5	-1.9	.00	38.4
19:00	0.004403	7.1	6.9	.00	28.99	981.8	-2.4	.00	121.9
20:00	0.004496	7.0	7.0	.00	28.99	981.6	-2.5	.00	66.5
21:00	0.004522	6.9	7.1	.00	28.98	981.5	-2.4	.00	70.4
22:00	0.004462	6.5	7.0	.00	28.99	981.7	-2.5	.00	106.6
23:00	0.004383	6.3	6.9	.00	28.98	981.4	-2.6	.00	88.1
Avg	0.004623	7.3	7.2	.00	28.95	980.3	137.4	.20	263.0
Max	0.005232	8.2	8.1	.00	29.01	982.5	549.8	.79	308.6
Hr. of Max	01	01	01	23	11	10	12	12	13
Min	0.004216	6.3	6.6	.00	28.84	976.7	-2.6	.00	38.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/24/2017

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	267.7	271.8	255.6	266.2	22.9	19.3	16.2	6.3	8.2
01:00	261.2	263.7	251.4	258.6	22.9	18.0	14.6	5.0	6.6
02:00	266.4	267.9	257.1	262.6	22.9	17.8	15.0	4.9	7.0
03:00	270.5	273.3	259.8	267.7	26.9	20.2	16.3	4.8	6.7
04:00	259.4	263.5	247.8	258.8	21.7	17.5	15.5	4.0	5.7
05:00	273.3	274.0	262.8	268.6	20.6	14.7	12.8	6.2	8.3
06:00	265.9	270.8	254.3	265.2	24.9	20.6	16.2	4.4	6.0
07:00	265.9	269.7	253.2	264.5	25.7	18.2	15.8	4.2	5.9
08:00	268.0	271.0	255.3	266.1	21.2	16.8	13.5	4.5	6.2
09:00	278.9	280.2	267.5	274.1	25.1	20.4	16.0	5.2	7.2
10:00	291.4	291.3	279.9	284.2	34.4	28.0	21.5	4.9	6.6
11:00	292.6	291.2	268.6	284.5	51.5	35.7	28.5	2.9	4.3
12:00	284.9	294.1	270.4	286.8	54.1	43.8	32.4	2.7	3.5
13:00	318.1	314.8	302.7	306.3	54.4	37.9	32.3	2.4	3.3
14:00	270.4	262.4	259.6	254.2	50.8	43.3	40.7	2.6	2.9
15:00	266.6	263.2	257.2	258.2	40.2	33.7	26.1	3.2	4.2
16:00	273.1	270.4	265.7	265.2	29.1	19.9	16.0	4.1	5.5
17:00	272.9	273.7	262.5	267.9	18.5	12.9	11.3	3.1	4.4
18:00	327.4	315.8	311.7	306.4	42.5	31.4	14.3	.5	1.2
19:00	242.4	285.9	238.2	277.5	29.2	60.8	31.4	.1	.2
20:00	48.6	108.9	38.7	83.6	15.9	16.7	7.4	.5	1.3
21:00	63.1	59.2	64.2	50.7	17.3	6.4	4.9	1.4	3.1
22:00	45.7	56.1	148.9	47.2	24.2	5.8	3.9	.2	.9
23:00	56.5	69.4	52.0	59.9	20.4	20.0	12.9	.5	1.1
Avg	284.0	283.0	265.0	279.0	29.9	24.2	18.1	.0	.0
Max	327.4	315.8	311.7	306.4	54.4	60.8	40.7	6.3	8.3
Hr. of Max	18	18	18	18	13	19	14	00	05
Min	45.7	56.1	38.7	47.2	15.9	5.8	3.9	.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)

1/24/2017

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	10.2	6.8	8.7	10.6	7.3	10.9	-2.0	-2.1	-.43
01:00	8.2	5.4	6.9	8.4	5.9	8.9	-.5	-1.1	-.25
02:00	8.9	5.2	7.3	9.2	5.7	9.6	-.2	-.9	-.25
03:00	8.9	5.2	7.1	9.2	5.7	9.5	.3	-2.1	-.21
04:00	7.1	4.5	6.1	7.4	4.8	7.8	.3	.0	-.13
05:00	10.1	6.5	8.5	10.3	6.9	10.6	-.6	-1.4	-.30
06:00	7.7	4.8	6.3	8.0	5.3	8.3	.1	-.4	-.25
07:00	7.4	4.5	6.1	7.6	5.0	8.0	2.8	-.8	.09
08:00	8.0	4.8	6.5	8.2	5.4	8.5	-.2	1.1	-.17
09:00	9.0	5.7	7.6	9.3	6.2	9.6	-1.8	-1.8	-.50
10:00	7.9	5.7	7.3	8.5	6.4	8.9	-.8	-1.8	-.42
11:00	5.2	4.1	5.3	6.1	4.7	6.7	5.3	3.2	.19
12:00	3.9	4.4	4.9	5.0	4.9	5.5	-5.0	-2.8	-.42
13:00	3.8	3.3	4.2	4.5	3.8	5.1	3.2	2.4	.06
14:00	3.1	3.6	3.9	4.1	4.3	4.7	1.9	6.4	.04
15:00	4.8	4.0	4.9	5.4	4.6	6.0	-4.3	-6.2	-.36
16:00	6.3	4.6	5.8	6.6	4.9	6.9	1.5	-.5	-.09
17:00	5.3	3.2	4.6	5.5	3.6	5.7	-2.6	-1.4	-.22
18:00	3.6	.8	1.4	3.7	1.1	3.7	3.9	1.5	.06
19:00	1.1	.2	.4	1.8	.8	2.0	2.5	.9	.06
20:00	.7	.6	1.4	.8	1.0	1.2	1.3	-.5	.01
21:00	4.5	1.5	3.2	4.5	1.6	4.7	-.6	2.3	-.04
22:00	3.5	.2	.9	3.5	.8	3.7	2.0	.5	.02
23:00	2.1	.6	1.1	2.3	.9	2.5	2.1	1.7	.03
Avg	.0	3.8	5.0	6.3	4.2	6.6	.4	-.2	-.14
Max	10.2	6.8	8.7	10.6	7.3	10.9	5.3	6.4	.19
Hr. of Max	00	00	00	00	00	00	11	14	11
Min	.7	.2	.4	.8	.8	1.2	-5.0	-6.2	-.50
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/24/2017

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	-.68	20.4	18.5	19.5	14.8	11.9	6.9	6.4
01:00	-.32	13.7	17.6	16.7	15.0	11.0	6.7	6.1
02:00	-.40	14.4	16.9	19.0	16.4	12.0	6.4	5.8
03:00	-.54	14.4	15.3	18.3	19.1	12.9	6.0	5.4
04:00	-.15	12.8	14.4	16.5	16.0	11.6	5.9	5.3
05:00	-.46	15.3	17.6	23.1	14.2	10.2	5.6	5.0
06:00	-.27	14.2	19.7	23.8	17.8	12.0	5.5	4.9
07:00	-.27	14.7	13.7	16.0	16.8	11.6	5.5	4.9
08:00	.01	12.1	17.2	19.0	15.8	10.8	5.5	4.8
09:00	-.60	15.1	16.9	17.6	17.8	12.1	5.8	5.1
10:00	-.71	16.0	17.6	23.1	22.1	17.8	6.8	5.9
11:00	.01	11.4	16.0	18.5	24.6	22.3	7.6	6.7
12:00	-.32	13.1	15.8	16.7	20.3	20.3	8.3	7.6
13:00	.05	12.8	12.4	11.4	25.1	24.9	9.2	8.3
14:00	.38	10.1	11.7	11.7	22.6	27.1	9.9	9.1
15:00	-.71	10.3	11.4	11.0	20.9	19.4	10.2	9.4
16:00	-.17	10.8	11.7	16.9	17.8	12.9	10.2	9.5
17:00	-.19	9.2	11.2	12.1	11.6	9.8	9.6	9.1
18:00	.01	6.9	8.9	10.8	19.7	11.1	8.1	8.7
19:00	.07	1.8	3.4	5.7	13.4	14.1	6.8	8.0
20:00	.02	2.5	3.4	3.7	7.6	5.5	5.6	7.1
21:00	.17	3.0	6.6	7.6	8.0	2.5	4.9	6.3
22:00	.03	4.6	9.4	14.9	7.5	2.3	4.2	5.6
23:00	.08	2.5	3.2	4.4	7.2	3.1	3.2	5.1
Avg	-.21	10.9	12.9	14.9	16.3	12.9	6.9	6.7
Max	.38	20.4	19.7	23.8	25.1	27.1	10.2	9.5
Hr. of Max	14	00	06	06	13	14	16	16
Min	-.71	1.8	3.2	3.7	7.2	2.3	3.2	4.8
Count	24	24	24	24	24	24	24	24
Total								