Date Printed: 04/02/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/1/2017

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	12.0	12.1	11.9	11.8	.04	-.13	-.21	-.16	-.25
01:00	11.7	11.7	11.6	11.5	.00	-.15	-.23	-.16	-.24
02:00	11.6	11.6	11.5	11.4	.00	-.18	-.25	-.17	-.25
03:00	11.3	11.3	11.1	11.1	.00	-.18	-.26	-.18	-.25
04:00	11.0	11.0	10.8	10.7	-.04	-.22	-.31	-.18	-.27
05:00	10.8	10.7	10.5	10.5	-.05	-.22	-.31	-.18	-.27
06:00	10.5	10.5	10.3	10.2	-.05	-.22	-.32	-.18	-.28
07:00	10.3	10.3	10.1	10.0	-.06	-.24	-.34	-.18	-.28
08:00	10.5	10.3	10.1	10.0	-.14	-.34	-.45	-.20	-.31
09:00	11.0	10.7	10.5	10.4	-.28	-.51	-.63	-.23	-.35
10:00	12.0	11.7	11.4	11.3	-.37	-.63	-.77	-.27	-.41
11:00	12.7	12.2	11.9	11.8	-.53	-.82	-.94	-.28	-.40
12:00	14.0	13.1	12.8	12.7	-.84	-1.18	-1.29	-.33	-.45
13:00	15.0	14.2	13.9	13.7	-.78	-1.13	-1.26	-.35	-.48
14:00	16.7	15.9	15.6	15.5	-.80	-1.10	-1.21	-.30	-.41
15:00	17.8	16.8	16.4	16.3	-1.05	-1.42	-1.55	-.37	-.50
16:00	18.0	17.2	16.9	16.7	-.86	-1.16	-1.33	-.30	-.47
17:00	18.3	17.6	17.2	17.1	-.68	-1.08	-1.19	-.40	-.51
18:00	18.0	17.6	17.4	17.3	-.37	-.64	-.75	-.27	-.38
19:00	15.8	16.1	15.9	15.8	.21	.04	-.05	-.17	-.27
20:00	13.0	13.3	13.1	13.0	.25	.10	.03	-.15	-.22
21:00	11.1	11.3	11.1	11.1	.22	.08	.01	-.14	-.21
22:00	10.0	10.2	10.1	10.1	.26	.15	.10	-.11	-.16
23:00	9.2	9.6	9.5	9.5	.41	.33	.33	-.07	-.07
Avg	13.0	12.8	12.6	12.5	-.23	-.45	-.55	-.22	-.32
Max	18.3	17.6	17.4	17.3	.41	.33	.33	-.07	-.07
Hr. of Max	17	18	18	18	23	23	23	23	23
Min	9.2	9.6	9.5	9.5	-1.05	-1.42	-1.55	-.40	-.51
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 04/02/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/1/2017

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	8.3	8.4	9.5	15.4	79.0	79.0	8.3	8.4	0.007024
01:00	8.4	8.4	9.5	15.3	80.9	81.1	8.4	8.4	0.007064
02:00	7.8	7.7	9.1	15.1	78.2	78.0	8.1	8.0	0.006773
03:00	7.3	7.2	8.6	15.0	77.1	76.7	7.8	7.8	0.006531
04:00	6.9	6.9	8.3	14.9	76.7	76.7	7.6	7.6	0.006368
05:00	7.0	6.9	8.2	14.8	78.2	78.3	7.6	7.6	0.006388
06:00	6.7	6.7	8.0	14.7	78.3	78.3	7.5	7.5	0.006289
07:00	6.4	6.4	7.7	14.6	77.6	77.6	7.4	7.4	0.006152
08:00	6.5	6.4	7.8	14.5	77.4	77.2	7.4	7.3	0.006179
09:00	6.5	6.3	8.0	14.4	74.8	74.9	7.4	7.3	0.006182
10:00	6.4	6.0	8.3	14.4	69.5	69.2	7.4	7.2	0.006149
11:00	6.3	5.8	8.5	14.4	65.7	65.6	7.3	7.0	0.006096
12:00	6.1	5.3	8.7	14.5	59.9	59.6	7.2	6.8	0.006024
13:00	5.7	5.0	8.8	14.6	54.7	54.5	7.0	6.6	0.005884
14:00	6.2	5.2	9.7	15.0	50.9	49.8	7.2	6.7	0.006106
15:00	6.4	5.4	10.2	15.4	47.7	47.5	7.2	6.8	0.006154
16:00	6.4	5.3	10.3	15.8	47.2	46.2	7.2	6.7	0.006171
17:00	6.2	5.3	10.3	16.1	46.0	44.9	7.1	6.7	0.006109
18:00	6.0	5.5	10.0	16.3	46.1	45.4	7.0	6.8	0.006004
19:00	6.6	6.2	9.7	16.4	55.1	53.0	7.4	7.2	0.006236
20:00	6.0	5.9	8.4	16.4	63.4	61.6	7.1	7.0	0.005984
21:00	5.4	5.2	7.3	16.3	68.7	67.0	6.8	6.8	0.005692
22:00	4.6	4.4	6.4	16.1	70.0	68.0	6.5	6.4	0.005391
23:00	4.4	4.3	6.0	15.8	72.7	70.2	6.4	6.4	0.005317
Avg	6.4	6.1	8.6	15.3	66.5	65.8	7.3	7.2	0.006178
Max	8.4	8.4	10.3	16.4	80.9	81.1	8.4	8.4	0.007064
Hr. of Max	01	01	17	20	01	01	01	01	01
Min	4.4	4.3	6.0	14.4	46.0	44.9	6.4	6.4	0.005317
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 04/02/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/1/2017

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	0.007047	11.0	11.0	.00	29.05	983.8	-1.6	.00	260.7
01:00	0.007079	11.1	11.1	.00	29.06	984.1	-2.1	.00	245.6
02:00	0.006753	10.6	10.6	.00	29.07	984.5	-2.2	.00	240.4
03:00	0.006494	10.2	10.2	.00	29.08	984.9	-3.7	-.01	244.7
04:00	0.00635	10.0	10.0	.00	29.09	985.3	-2.4	.00	260.6
05:00	0.006376	10.0	10.0	.00	29.11	985.7	-2.5	.00	269.4
06:00	0.00627	9.9	9.8	.00	29.12	986.3	-2.4	.00	274.3
07:00	0.006126	9.7	9.6	.00	29.15	987.2	3.1	.00	277.4
08:00	0.006109	9.7	9.6	.00	29.17	988.0	41.2	.06	259.1
09:00	0.006071	9.7	9.6	.00	29.19	988.4	136.0	.19	277.5
10:00	0.005981	9.7	9.4	.00	29.20	989.0	231.6	.33	289.4
11:00	0.005876	9.6	9.3	.00	29.22	989.6	332.4	.48	266.3
12:00	0.005672	9.5	8.9	.00	29.21	989.3	633.7	.91	275.6
13:00	0.005569	9.3	8.8	.00	29.20	988.8	801.9	1.15	10.5
14:00	0.005679	9.6	8.9	.00	29.19	988.5	841.3	1.21	190.9
15:00	0.005739	9.7	9.0	.00	29.18	988.1	867.3	1.24	229.1
16:00	0.005705	9.7	9.0	.00	29.17	987.8	708.0	1.01	227.3
17:00	0.005716	9.6	9.0	.00	29.17	988.0	379.7	.54	253.6
18:00	0.005779	9.4	9.1	.00	29.19	988.4	233.7	.33	267.4
19:00	0.006085	9.8	9.6	.00	29.21	989.1	51.0	.07	64.6
20:00	0.005911	9.4	9.3	.00	29.22	989.7	-1.9	.00	61.4
21:00	0.005635	9.0	8.9	.00	29.24	990.2	-3.4	.00	59.8
22:00	0.005329	8.5	8.4	.00	29.25	990.6	-2.0	.00	59.6
23:00	0.005275	8.4	8.3	.00	29.25	990.6	-2.3	.00	61.7
Avg	0.006026	9.7	9.5	.00	29.17	987.7	218.1	.31	268.0
Max	0.007079	11.1	11.1	.00	29.25	990.6	867.3	1.24	289.4
Hr. of Max	01	01	01	23	23	23	15	15	10
Min	0.005275	8.4	8.3	.00	29.05	983.8	-3.7	-.01	10.5
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 04/02/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/1/2017

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	275.3	281.0	259.6	275.0	31.7	21.9	18.3	3.8	5.2
01:00	267.2	277.1	246.7	271.2	32.8	24.6	20.8	2.9	4.3
02:00	256.6	265.1	242.2	259.9	28.3	21.0	20.9	3.3	4.5
03:00	258.9	264.4	246.3	259.5	25.4	18.8	16.4	3.5	4.6
04:00	271.7	275.2	261.3	269.7	22.0	14.8	13.1	3.9	5.4
05:00	282.1	286.1	268.3	279.8	22.1	16.1	12.7	3.2	4.5
06:00	287.5	289.8	273.1	282.9	22.9	16.9	13.3	3.9	5.2
07:00	290.0	296.6	271.1	289.6	42.8	23.7	23.5	2.0	3.1
08:00	275.2	281.2	258.4	274.7	31.7	22.6	18.8	2.8	3.5
09:00	289.3	292.9	274.8	285.8	45.0	28.1	22.5	3.0	4.1
10:00	305.4	312.3	277.7	304.0	50.5	39.1	31.9	2.1	2.7
11:00	273.7	272.8	263.9	266.9	32.5	23.5	20.0	3.8	4.7
12:00	281.2	282.1	272.5	275.2	43.5	33.2	25.2	3.3	4.2
13:00	359.0	6.8	2.3	354.3	52.9	55.3	50.6	.9	1.5
14:00	211.9	219.2	189.4	213.3	50.7	45.9	44.3	2.6	3.1
15:00	240.1	237.1	229.8	232.4	36.3	29.4	27.6	5.6	6.7
16:00	237.1	236.2	228.6	230.8	34.5	26.8	26.2	4.5	5.4
17:00	263.5	265.1	253.4	260.0	28.0	23.0	20.9	4.4	5.5
18:00	279.4	283.5	269.0	276.7	44.1	29.0	29.8	2.8	3.7
19:00	58.7	54.7	58.8	45.5	29.5	25.9	24.7	3.1	5.8
20:00	60.9	59.4	55.6	50.5	24.4	14.9	10.2	4.1	7.6
21:00	58.6	58.1	53.9	49.2	27.0	16.9	10.8	4.4	8.2
22:00	56.7	54.6	51.7	45.5	27.0	16.9	10.5	3.6	7.2
23:00	60.5	58.0	55.4	49.0	23.1	14.1	9.1	2.8	5.7
Avg	285.0	291.0	268.0	285.0	33.7	25.1	21.8	.0	.0
Max	359.0	312.3	277.7	354.3	52.9	55.3	50.6	5.6	8.2
Hr. of Max	13	10	10	13	13	13	13	15	21
Min	56.7	6.8	2.3	45.5	22.0	14.1	9.1	.9	1.5
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 04/02/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/1/2017

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	6.5	4.2	5.6	6.9	4.7	7.2	1.1	-1.1	-.10
01:00	5.8	3.4	4.6	6.2	3.9	6.5	.1	-1.8	-.12
02:00	5.5	3.6	4.9	5.9	4.1	6.2	1.9	-.8	-.03
03:00	5.8	3.8	4.9	6.1	4.1	6.4	.2	-2.4	-.11
04:00	6.4	4.2	5.6	6.6	4.5	6.9	-2.0	-3.7	-.31
05:00	5.6	3.4	4.7	5.8	3.7	5.8	-.3	-1.8	-.12
06:00	6.8	4.1	5.4	7.0	4.4	7.0	-2.0	-3.0	-.30
07:00	4.1	2.4	3.3	4.4	2.8	4.6	-1.3	-3.3	-.15
08:00	4.1	3.0	3.7	4.4	3.4	4.6	1.5	-3.1	-.04
09:00	4.6	3.6	4.4	4.8	4.0	5.1	-1.9	-4.0	-.30
10:00	3.1	2.8	3.4	3.8	3.3	4.2	1.9	1.7	-.05
11:00	5.2	4.4	5.2	5.5	4.8	6.0	-1.7	-2.0	-.26
12:00	4.7	4.3	4.9	5.2	4.7	5.8	-.1	-2.3	-.07
13:00	2.0	3.9	4.1	4.4	4.4	5.1	-3.3	-7.4	-.31
14:00	3.4	3.9	4.4	4.6	4.7	5.4	1.5	2.9	.10
15:00	7.2	6.8	7.6	7.9	7.6	8.8	1.3	-.3	.00
16:00	5.7	5.3	6.0	6.3	5.9	7.1	-1.2	.7	-.20
17:00	6.0	5.2	6.1	6.6	5.8	7.2	-.1	-3.3	-.11
18:00	4.0	3.6	4.3	4.6	4.0	5.1	.3	-.3	-.14
19:00	7.8	3.5	6.2	8.2	4.0	8.7	2.0	6.0	-.06
20:00	10.4	4.4	7.9	10.5	4.9	11.0	.5	1.3	-.24
21:00	11.0	4.8	8.5	11.2	5.1	11.6	.9	1.7	-.30
22:00	10.0	4.0	7.4	10.2	4.4	10.6	.6	1.6	-.16
23:00	8.3	3.0	5.9	8.4	3.2	8.8	-1.2	1.0	-.23
Avg	.0	4.0	5.4	6.5	4.4	6.9	-.1	-1.0	-.15
Max	11.0	6.8	8.5	11.2	7.6	11.6	2.0	6.0	.10
Hr. of Max	21	15	21	21	15	21	19	19	14
Min	2.0	2.4	3.3	3.8	2.8	4.2	-3.3	-7.4	-.31
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 04/02/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/1/2017

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	-.35	12.4	15.6	23.6	20.1	14.5	12.7	12.1
01:00	-.36	11.0	12.4	13.5	18.4	15.0	12.3	11.7
02:00	-.20	10.1	12.1	14.7	17.8	14.1	12.2	11.6
03:00	-.39	10.1	10.8	12.1	14.3	10.9	11.8	11.2
04:00	-.55	9.6	11.9	12.4	15.2	11.4	11.4	10.8
05:00	-.31	9.8	12.1	14.4	14.9	10.6	11.2	10.6
06:00	-.48	9.8	11.9	15.1	16.1	10.1	11.0	10.3
07:00	-.50	8.5	9.8	14.2	21.5	17.8	10.7	10.1
08:00	-.39	7.6	8.7	9.6	17.6	14.7	10.8	10.1
09:00	-.48	9.2	11.2	10.1	19.7	15.6	11.2	10.4
10:00	-.05	8.0	9.6	8.7	25.5	23.8	12.1	11.3
11:00	-.39	10.3	11.4	11.2	19.2	18.1	12.5	11.7
12:00	-.28	10.5	12.4	14.7	21.3	22.4	13.4	12.5
13:00	-.70	14.7	12.6	12.6	24.9	27.1	14.5	13.7
14:00	.19	12.4	15.6	13.3	27.1	28.1	16.1	15.3
15:00	-.18	17.6	18.1	16.5	18.4	19.7	16.9	16.0
16:00	-.25	21.3	22.0	23.6	20.2	22.8	17.4	16.5
17:00	-.45	11.7	20.2	19.2	17.0	17.2	17.9	17.0
18:00	-.25	12.1	10.3	12.8	21.4	22.5	18.0	17.2
19:00	.62	14.2	16.0	17.9	20.8	13.3	16.5	15.8
20:00	.12	15.6	17.6	17.6	21.0	8.7	13.7	13.1
21:00	.20	17.2	19.7	22.0	21.7	9.2	11.6	11.1
22:00	.19	13.1	15.6	18.3	20.9	8.6	10.6	10.0
23:00	.10	9.6	20.8	16.5	19.2	7.4	9.9	9.5
Avg	-.21	11.9	14.1	15.2	19.8	16.0	13.2	12.5
Max	.62	21.3	22.0	23.6	27.1	28.1	18.0	17.2
Hr. of Max	19	16	16	16	14	14	18	18
Min	-.70	7.6	8.7	8.7	14.3	7.4	9.9	9.5
Count	24	24	24	24	24	24	24	24
Total								