Date Printed: 04/01/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/31/2017

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	17.4	17.5	17.4	17.4	.14	.00	-.01	-.13	-.15
01:00	16.1	16.1	16.0	16.1	.06	-.03	.02	-.09	-.04
02:00	15.4	15.5	15.5	15.6	.07	.04	.12	-.03	.05
03:00	15.3	15.5	15.5	15.5	.13	.13	.19	.00	.07
04:00	15.2	15.3	15.3	15.3	.12	.10	.15	-.02	.03
05:00	15.2	15.4	15.3	15.4	.15	.11	.15	-.04	.00
06:00	14.0	14.1	14.0	14.0	.05	-.01	.01	-.06	-.04
07:00	13.2	13.3	13.3	13.4	.17	.18	.20	.01	.03
08:00	12.7	12.7	12.6	12.6	-.03	-.12	-.11	-.09	-.08
09:00	12.9	12.9	12.7	12.7	-.08	-.18	-.20	-.11	-.13
10:00	12.9	12.8	12.6	12.6	-.08	-.28	-.30	-.20	-.22
11:00	12.9	12.8	12.6	12.5	-.14	-.33	-.41	-.19	-.27
12:00	13.5	13.4	13.2	13.1	-.14	-.34	-.43	-.21	-.30
13:00	13.9	13.6	13.3	13.2	-.29	-.52	-.64	-.22	-.35
14:00	15.3	14.8	14.5	14.3	-.55	-.87	-1.01	-.32	-.46
15:00	15.5	15.1	14.8	14.7	-.43	-.70	-.82	-.27	-.39
16:00	15.6	15.4	15.1	15.0	-.22	-.45	-.55	-.23	-.34
17:00	15.7	15.6	15.4	15.4	-.08	-.27	-.35	-.19	-.27
18:00	15.5	15.5	15.3	15.2	-.01	-.17	-.25	-.17	-.24
19:00	15.2	15.2	15.1	15.0	.07	-.07	-.13	-.14	-.20
20:00	14.7	14.8	14.7	14.7	.17	.04	-.01	-.13	-.18
21:00	14.3	14.3	14.2	14.1	.07	-.08	-.14	-.15	-.20
22:00	13.9	13.9	13.7	13.6	.03	-.13	-.21	-.17	-.25
23:00	12.9	12.9	12.7	12.6	.00	-.18	-.27	-.18	-.26
Avg	14.6	14.5	14.4	14.3	-.03	-.17	-.21	-.14	-.17
Max	17.4	17.5	17.4	17.4	.17	.18	.20	.01	.07
Hr. of Max	00	00	00	00	20	07	07	07	03
Min	12.7	12.7	12.6	12.5	-.55	-.87	-1.01	-.32	-.46
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 04/01/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/31/2017

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	13.1	13.1	14.5	17.2	77.3	76.4	11.3	11.2	0.009793
01:00	13.8	14.0	14.5	17.1	88.0	89.1	11.8	12.0	0.010241
02:00	14.4	14.8	14.7	17.0	95.0	97.3	12.3	12.7	0.010642
03:00	13.7	13.9	14.2	16.9	91.2	91.9	11.8	12.0	0.010159
04:00	14.0	14.4	14.4	16.8	94.3	95.8	12.0	12.3	0.0104
05:00	14.1	14.5	14.4	16.6	94.3	96.1	12.1	12.4	0.010439
06:00	13.0	13.4	13.4	16.5	95.1	96.9	11.3	11.6	0.009744
07:00	12.1	12.2	12.4	16.4	94.6	94.5	10.7	10.8	0.009149
08:00	9.3	8.7	10.4	16.3	80.9	77.8	8.9	8.6	0.007585
09:00	8.5	7.9	9.9	16.2	75.2	72.9	8.4	8.1	0.007153
10:00	8.0	7.6	9.6	16.0	73.4	71.5	8.2	7.9	0.006941
11:00	7.5	7.0	9.3	16.0	70.5	69.0	7.9	7.6	0.006688
12:00	6.8	6.3	9.1	15.9	64.8	63.1	7.5	7.3	0.006388
13:00	6.6	6.0	9.0	15.8	62.3	60.9	7.4	7.1	0.006276
14:00	6.2	5.3	9.2	15.7	55.3	54.0	7.2	6.8	0.006133
15:00	5.9	5.2	9.1	15.8	53.4	52.3	7.0	6.7	0.005987
16:00	6.1	5.5	9.2	15.9	53.9	52.5	7.1	6.8	0.00607
17:00	6.3	5.9	9.4	15.9	54.3	53.1	7.2	7.0	0.006165
18:00	6.5	6.2	9.5	15.9	56.1	54.7	7.3	7.2	0.006261
19:00	6.8	6.5	9.6	15.8	58.3	56.8	7.5	7.3	0.006378
20:00	7.1	6.8	9.6	15.8	61.4	59.3	7.7	7.5	0.00651
21:00	7.3	7.1	9.6	15.7	63.8	62.7	7.8	7.7	0.006582
22:00	7.3	7.1	9.5	15.6	65.4	64.5	7.7	7.7	0.00656
23:00	8.3	8.2	9.8	15.5	74.3	74.1	8.3	8.3	0.007003
Avg	9.3	9.1	11.0	16.2	73.0	72.4	9.0	8.9	0.007719
Max	14.4	14.8	14.7	17.2	95.1	97.3	12.3	12.7	0.010642
Hr. of Max	02	02	02	00	06	02	02	02	02
Min	5.9	5.2	9.0	15.5	53.4	52.3	7.0	6.7	0.005987
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 04/01/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/31/2017

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	0.009764	15.1	15.1	.00	28.83	976.2	-1.2	.00	238.8
01:00	0.010403	15.8	16.1	.04	28.82	976.1	-1.8	.00	241.1
02:00	0.010952	16.4	16.9	.04	28.80	975.4	-2.7	.00	230.2
03:00	0.010325	15.7	15.9	.03	28.79	974.8	-2.1	.00	215.1
04:00	0.010648	16.0	16.4	.01	28.77	974.4	-2.3	.00	208.3
05:00	0.010742	16.1	16.5	.00	28.76	973.9	-2.6	.00	219.9
06:00	0.009957	15.0	15.4	.03	28.78	974.7	-2.6	.00	237.4
07:00	0.009241	14.1	14.3	.00	28.80	975.2	2.2	.00	246.7
08:00	0.007278	11.8	11.3	.00	28.83	976.3	127.2	.18	229.5
09:00	0.006897	11.1	10.7	.00	28.85	976.9	77.5	.11	242.2
10:00	0.00672	10.8	10.4	.00	28.87	977.6	79.9	.11	236.2
11:00	0.006482	10.4	10.1	.00	28.89	978.3	129.8	.19	244.6
12:00	0.006168	9.9	9.6	.00	28.90	978.7	130.5	.19	244.9
13:00	0.006027	9.8	9.4	.00	28.91	979.0	247.9	.36	255.3
14:00	0.005772	9.6	9.0	.00	28.91	979.1	459.0	.66	240.4
15:00	0.005709	9.3	8.9	.00	28.91	978.9	389.5	.56	244.7
16:00	0.005837	9.5	9.1	.00	28.91	979.0	152.1	.22	238.5
17:00	0.005992	9.6	9.3	.00	28.92	979.4	86.0	.12	247.3
18:00	0.006105	9.8	9.5	.00	28.94	980.0	42.4	.06	260.2
19:00	0.006246	10.0	9.7	.00	28.95	980.6	13.6	.02	247.9
20:00	0.006357	10.2	9.9	.00	28.98	981.5	-2.2	.00	270.2
21:00	0.006497	10.3	10.2	.00	29.01	982.4	-2.5	.00	255.9
22:00	0.006488	10.3	10.1	.00	29.03	983.0	-2.4	.00	258.0
23:00	0.006983	11.0	10.9	.00	29.04	983.6	-2.6	.00	262.3
Avg	0.00765	12.0	11.9	.01	28.88	978.1	79.7	.12	242.0
Max	0.010952	16.4	16.9	.04	29.04	983.6	459.0	.66	270.2
Hr. of Max	02	02	02	02	23	23	14	14	20
Min	0.005709	9.3	8.9	.00	28.76	973.9	-2.7	.00	208.3
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 04/01/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/31/2017

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	241.1	233.9	241.2	229.2	24.4	17.0	14.3	3.8	5.4
01:00	243.5	240.2	240.3	235.8	20.9	15.1	11.2	6.0	8.8
02:00	234.5	230.6	232.1	226.4	21.8	14.8	11.3	5.4	8.5
03:00	220.8	215.2	218.2	210.7	23.0	16.3	12.8	5.0	7.8
04:00	213.2	208.9	210.3	204.6	21.1	15.0	12.3	4.4	7.1
05:00	222.6	217.6	220.4	213.4	19.7	14.7	12.3	5.3	8.1
06:00	243.9	241.5	237.8	237.6	19.9	13.4	10.7	4.7	7.8
07:00	258.8	258.4	247.4	253.8	18.7	14.4	12.1	4.3	6.7
08:00	247.9	251.5	230.7	246.6	24.2	20.2	15.7	3.9	5.3
09:00	250.1	249.9	242.6	245.3	19.4	14.8	11.7	5.7	8.2
10:00	242.6	240.4	238.2	236.3	20.8	13.8	12.3	5.5	8.2
11:00	254.6	255.3	245.5	250.8	21.9	17.8	15.2	5.9	7.9
12:00	252.0	252.0	244.7	247.3	24.2	20.7	17.5	6.1	8.4
13:00	262.4	262.3	254.8	257.3	27.2	19.6	16.8	6.7	9.0
14:00	248.7	247.1	240.1	242.1	28.9	21.7	18.4	7.5	10.1
15:00	252.5	252.4	245.1	247.7	27.3	22.4	19.5	7.3	9.4
16:00	243.6	241.4	238.7	237.2	26.3	20.7	17.3	5.7	8.2
17:00	254.7	254.4	248.1	249.7	23.6	19.0	15.7	6.0	8.5
18:00	268.8	271.1	259.6	266.1	25.0	19.1	15.8	5.1	7.1
19:00	261.8	265.0	248.6	260.2	28.9	22.2	18.1	3.8	5.6
20:00	281.9	283.9	268.6	277.7	25.3	18.7	16.2	3.2	4.8
21:00	265.1	267.4	255.4	262.2	25.2	18.5	15.7	4.2	6.3
22:00	270.2	272.4	257.6	267.0	23.9	19.2	16.0	4.5	6.1
23:00	273.5	276.7	261.2	270.8	30.8	23.4	19.5	3.9	5.9
Avg	250.0	249.0	242.0	245.0	23.9	18.0	14.9	.0	.0
Max	281.9	283.9	268.6	277.7	30.8	23.4	19.5	7.5	10.1
Hr. of Max	20	20	20	20	23	23	23	14	14
Min	213.2	208.9	210.3	204.6	18.7	13.4	10.7	3.2	4.8
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 04/01/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/31/2017

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	6.8	4.3	6.0	7.5	4.7	7.9	-.8	-1.1	-.16
01:00	12.0	6.3	9.2	12.3	6.8	13.0	1.4	-.3	-.10
02:00	11.6	5.7	8.8	11.8	6.2	12.4	1.7	-.9	.02
03:00	10.3	5.3	8.1	10.6	6.0	10.9	1.3	-1.0	-.08
04:00	9.5	4.7	7.4	9.7	5.1	10.0	1.7	-1.2	.01
05:00	10.6	5.7	8.4	10.9	6.1	11.3	2.1	-.4	.04
06:00	10.1	5.2	8.3	10.6	5.8	11.1	1.7	-.2	-.03
07:00	8.6	4.5	7.0	8.9	5.0	9.2	-.4	-.1	-.13
08:00	6.9	4.4	5.7	7.3	4.9	7.8	1.0	.1	-.05
09:00	10.3	6.0	8.5	10.5	6.7	11.1	1.1	-.6	-.07
10:00	9.7	5.8	8.4	10.0	6.4	10.6	1.8	-1.3	-.07
11:00	9.4	6.3	8.2	9.8	7.0	10.4	-1.7	-.3	-.40
12:00	10.0	6.9	9.2	11.0	7.4	11.7	.8	-1.5	-.17
13:00	10.4	7.2	9.5	10.8	7.8	11.5	-1.4	-1.7	-.42
14:00	12.1	8.3	10.8	12.8	9.1	13.7	1.6	.4	-.14
15:00	10.8	8.1	10.1	11.5	8.7	12.3	-.8	-.1	-.47
16:00	9.9	6.3	8.8	10.4	7.1	11.1	2.4	-.6	-.03
17:00	10.5	6.5	8.9	10.9	7.1	11.5	.5	-.9	-.22
18:00	8.9	5.6	7.5	9.2	6.1	9.6	.1	-1.0	-.21
19:00	7.2	4.1	5.9	7.5	4.9	7.9	1.4	.1	-.07
20:00	6.1	3.5	5.1	6.4	3.8	6.6	-1.6	-2.0	-.24
21:00	7.8	4.6	6.6	8.0	5.1	8.5	.4	-.6	-.14
22:00	7.7	4.9	6.5	8.1	5.4	8.5	-.3	-1.7	-.21
23:00	7.8	4.4	6.4	8.3	4.7	8.6	.4	-2.2	-.20
Avg	.0	5.6	7.9	9.8	6.2	10.3	.6	-.8	-.15
Max	12.1	8.3	10.8	12.8	9.1	13.7	2.4	.4	.04
Hr. of Max	14	14	14	14	14	14	16	14	05
Min	6.1	3.5	5.1	6.4	3.8	6.6	-1.7	-2.2	-.47
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 04/01/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/31/2017

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	-.26	13.5	16.5	15.6	14.3	9.4	18.4	17.9
01:00	-.22	18.1	21.1	24.3	15.9	8.2	17.1	16.7
02:00	-.34	16.7	20.6	32.3	16.4	8.4	16.6	16.3
03:00	-.34	24.7	24.5	31.8	16.1	10.3	16.5	16.3
04:00	-.33	12.8	15.1	19.7	15.0	9.1	16.3	16.0
05:00	-.18	14.0	18.5	21.5	14.7	9.2	16.4	16.1
06:00	-.14	16.3	25.0	24.7	14.1	7.2	15.0	14.6
07:00	-.11	13.5	18.1	22.4	11.7	6.9	14.2	13.8
08:00	-.14	14.2	15.1	16.3	15.9	11.1	13.3	12.7
09:00	-.23	17.2	20.2	24.0	15.1	9.5	13.4	12.8
10:00	-.37	19.0	17.6	26.3	15.7	8.9	13.2	12.6
11:00	-.27	18.5	19.5	19.2	14.5	11.4	13.2	12.6
12:00	-.55	19.9	21.3	23.4	16.6	11.9	13.8	13.1
13:00	-.63	20.8	29.3	28.2	16.1	13.0	13.9	13.2
14:00	-.30	19.5	29.1	25.2	17.1	13.4	15.0	14.1
15:00	-.43	18.1	24.5	25.6	16.8	13.9	15.3	14.5
16:00	-.26	18.5	22.4	21.3	17.7	11.0	15.7	14.9
17:00	-.41	18.1	20.4	21.5	17.1	11.5	16.0	15.3
18:00	-.40	20.8	21.5	23.1	17.8	11.9	15.8	15.2
19:00	-.23	15.3	18.5	21.8	18.1	13.5	15.6	15.1
20:00	-.44	10.3	21.1	19.5	16.0	12.3	15.3	14.7
21:00	-.28	11.9	14.9	17.4	15.8	12.1	14.8	14.2
22:00	-.48	14.2	16.5	16.5	16.7	12.0	14.4	13.8
23:00	-.56	12.1	18.3	19.2	18.5	13.5	13.5	12.9
Avg	-.33	16.6	20.4	22.5	16.0	10.8	15.1	14.6
Max	-.11	24.7	29.3	32.3	18.5	13.9	18.4	17.9
Hr. of Max	07	03	13	02	23	15	00	00
Min	-.63	10.3	14.9	15.6	11.7	6.9	13.2	12.6
Count	24	24	24	24	24	24	24	24
Total								