Date Printed: 05/17/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/16/2017

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	16.4	18.4	18.9	19.7	1.98	2.51	3.28	.52	1.30
01:00	15.9	17.6	17.8	18.4	1.65	1.90	2.47	.25	.82
02:00	15.6	17.0	17.3	18.1	1.44	1.70	2.56	.26	1.12
03:00	14.9	16.4	16.5	17.1	1.50	1.63	2.22	.13	.73
04:00	14.0	15.5	16.0	16.7	1.51	2.01	2.79	.50	1.28
05:00	13.5	15.0	15.5	16.4	1.52	2.02	2.89	.49	1.37
06:00	14.0	15.1	15.5	16.4	1.09	1.43	2.32	.35	1.23
07:00	15.5	15.9	16.1	16.2	.39	.60	.72	.22	.33
08:00	18.8	18.7	18.5	18.6	-.14	-.32	-.24	-.18	-.10
09:00	21.5	21.0	20.7	20.6	-.47	-.72	-.89	-.25	-.42
10:00	23.9	23.1	22.8	22.7	-.79	-1.09	-1.21	-.30	-.41
11:00	26.2	25.2	24.9	24.7	-.98	-1.32	-1.45	-.34	-.48
12:00	28.0	26.9	26.6	26.4	-1.05	-1.42	-1.55	-.37	-.50
13:00	29.3	28.1	27.7	27.6	-1.18	-1.57	-1.68	-.38	-.50
14:00	30.1	28.9	28.5	28.4	-1.22	-1.61	-1.71	-.39	-.48
15:00	30.5	29.2	28.9	28.8	-1.21	-1.55	-1.69	-.34	-.48
16:00	30.6	29.8	29.4	29.2	-.78	-1.17	-1.35	-.39	-.57
17:00	30.6	30.0	29.7	29.5	-.57	-.88	-1.08	-.31	-.51
18:00	30.0	29.7	29.5	29.4	-.32	-.58	-.68	-.26	-.36
19:00	27.0	28.5	28.6	28.7	1.52	1.58	1.67	.07	.16
20:00	23.2	25.9	27.0	27.6	2.70	3.80	4.46	1.10	1.76
21:00	21.1	24.0	25.0	26.2	2.92	3.91	5.09	.99	2.17
22:00	19.8	22.5	22.9	24.9	2.69	3.16	5.09	.47	2.40
23:00	18.8	21.0	21.4	23.0	2.25	2.63	4.27	.38	2.02
Avg	22.1	22.6	22.7	23.1	.60	.69	1.10	.09	.50
Max	30.6	30.0	29.7	29.5	2.92	3.91	5.09	1.10	2.40
Hr. of Max	17	17	17	17	21	21	22	20	22
Min	13.5	15.0	15.5	16.2	-1.22	-1.61	-1.71	-.39	-.57
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 05/17/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/16/2017

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	13.8	14.3	14.7	20.2	86.2	78.2	11.9	12.1	0.01018
01:00	13.9	14.5	14.6	20.1	89.6	83.6	12.0	12.3	0.010248
02:00	14.1	14.4	14.6	19.9	92.2	86.4	12.1	12.3	0.010315
03:00	13.7	14.5	14.1	19.8	94.0	90.1	11.8	12.4	0.010081
04:00	13.1	14.7	13.4	19.7	95.8	96.6	11.4	12.6	0.009658
05:00	12.7	14.5	13.0	19.5	96.3	98.4	11.1	12.5	0.009412
06:00	13.4	14.6	13.6	19.4	97.7	98.5	11.6	12.5	0.00989
07:00	14.6	14.4	14.9	19.2	96.1	92.8	12.5	12.3	0.010664
08:00	14.9	13.9	16.2	19.1	79.7	75.3	12.6	11.8	0.010887
09:00	14.2	13.4	16.6	19.0	64.7	63.1	12.0	11.4	0.010445
10:00	15.0	14.2	17.9	19.0	58.6	58.3	12.5	11.9	0.010982
11:00	15.9	15.0	19.3	19.1	54.4	54.5	13.2	12.5	0.011661
12:00	16.0	15.3	20.0	19.3	49.5	50.3	13.2	12.7	0.011809
13:00	14.8	14.1	19.6	19.6	42.6	43.4	12.2	11.7	0.010961
14:00	14.5	13.7	19.7	20.0	39.7	40.4	12.0	11.4	0.01074
15:00	14.1	13.2	19.6	20.4	38.1	38.4	11.7	11.0	0.010504
16:00	13.7	12.8	19.3	20.6	36.8	36.3	11.4	10.8	0.010227
17:00	13.0	12.2	18.9	20.9	35.2	34.5	10.9	10.3	0.009771
18:00	13.9	13.2	19.3	21.0	38.3	37.3	11.5	11.0	0.010327
19:00	15.3	13.7	19.2	21.1	50.8	41.5	12.7	11.4	0.011342
20:00	16.2	14.6	18.5	21.2	66.2	51.3	13.5	12.2	0.011909
21:00	15.7	15.2	17.5	21.2	72.7	59.2	13.2	12.7	0.011502
22:00	15.7	15.7	17.0	21.1	78.8	67.2	13.2	13.2	0.011491
23:00	15.7	16.0	16.7	21.0	83.8	74.5	13.3	13.4	0.011481
Avg	14.5	14.3	17.0	20.1	68.2	64.6	12.2	12.0	0.010687
Max	16.2	16.0	20.0	21.2	97.7	98.5	13.5	13.4	0.011909
Hr. of Max	20	23	12	21	06	06	20	23	20
Min	12.7	12.2	13.0	19.0	35.2	34.5	10.9	10.3	0.009412
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 05/17/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/16/2017

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	0.010465	15.9	16.3	.00	29.10	985.6	-1.7	.00	92.6
01:00	0.010616	16.0	16.5	.00	29.10	985.4	-1.9	.00	63.9
02:00	0.010582	16.1	16.5	.00	29.11	985.7	-2.0	.00	76.7
03:00	0.010635	15.7	16.6	.00	29.10	985.6	-2.3	.00	86.3
04:00	0.010733	15.1	16.7	.00	29.10	985.6	-2.6	.00	208.5
05:00	0.010623	14.7	16.6	.00	29.12	986.2	-2.9	.00	90.5
06:00	0.010699	15.4	16.7	.00	29.13	986.6	4.8	.01	67.8
07:00	0.010548	16.6	16.5	.00	29.15	987.1	98.9	.14	93.2
08:00	0.010182	17.0	15.9	.00	29.17	987.7	350.8	.50	132.8
09:00	0.009891	16.3	15.5	.00	29.18	988.1	560.3	.80	197.3
10:00	0.010416	17.1	16.3	.00	29.17	988.0	739.5	1.06	217.4
11:00	0.011024	18.2	17.2	.00	29.17	987.7	883.9	1.27	213.7
12:00	0.011276	18.4	17.6	.00	29.16	987.5	980.1	1.40	217.6
13:00	0.010424	17.1	16.3	.00	29.14	987.0	1014.5	1.45	231.5
14:00	0.01017	16.7	15.9	.00	29.13	986.4	991.6	1.42	234.9
15:00	0.009874	16.4	15.4	.00	29.12	986.1	897.8	1.29	237.5
16:00	0.009663	15.9	15.1	.00	29.10	985.5	625.6	.90	216.5
17:00	0.009271	15.2	14.5	.00	29.10	985.3	454.1	.65	236.1
18:00	0.009865	16.1	15.4	.00	29.09	985.2	338.4	.49	237.2
19:00	0.010228	17.6	15.9	.00	29.09	985.1	141.6	.20	239.8
20:00	0.010813	18.5	16.8	.00	29.09	985.1	8.5	.01	339.0
21:00	0.011192	17.9	17.4	.00	29.09	985.2	-1.2	.00	60.4
22:00	0.01155	17.9	18.0	.00	29.10	985.3	-1.8	.00	67.3
23:00	0.011732	17.9	18.2	.00	29.10	985.5	-3.3	.00	65.1
Avg	0.01052	16.7	16.4	.00	29.12	986.2	336.3	.48	163.0
Max	0.011732	18.5	18.2	.00	29.18	988.1	1014.5	1.45	339.0
Hr. of Max	23	20	23	23	09	09	13	13	20
Min	0.009271	14.7	14.5	.00	29.09	985.1	-3.3	.00	60.4
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 05/17/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/16/2017

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	46.7	113.3	50.1	76.8	18.1	13.5	40.9	.1	.9
01:00	68.9	58.0	53.4	49.4	10.8	7.5	4.3	1.1	2.3
02:00	67.3	54.2	68.8	45.1	15.2	10.6	3.8	1.2	2.4
03:00	66.0	53.3	74.7	44.2	3.8	6.7	4.5	.4	1.2
04:00	220.2	56.2	258.1	71.5	30.4	44.5	38.1	.9	.9
05:00	48.9	348.2	316.7	343.1	21.5	31.9	24.5	.0	.2
06:00	59.7	63.9	55.9	54.6	15.2	8.3	7.5	1.5	3.1
07:00	67.6	50.0	92.5	40.2	14.0	13.8	7.6	1.0	1.7
08:00	252.5	260.2	178.1	260.4	29.7	32.1	34.4	.6	.6
09:00	217.0	213.1	210.5	206.7	42.9	30.3	30.2	1.7	2.2
10:00	231.3	227.3	225.4	222.4	38.3	23.3	21.6	2.4	3.3
11:00	225.8	223.2	215.7	218.8	34.1	23.8	19.6	3.9	5.0
12:00	228.2	226.2	219.4	221.9	34.8	27.6	22.6	4.5	6.0
13:00	234.9	233.5	231.9	229.5	27.6	20.1	14.8	6.4	8.7
14:00	238.7	235.8	232.6	231.6	27.3	19.8	15.0	6.6	8.8
15:00	240.1	234.0	237.7	229.7	26.0	19.2	15.2	6.3	8.3
16:00	225.3	223.0	217.1	219.1	29.2	22.6	17.1	5.5	7.7
17:00	243.8	240.9	237.7	236.6	23.0	15.7	13.9	6.0	8.1
18:00	242.5	237.1	237.7	232.7	23.2	16.8	12.6	4.8	6.7
19:00	235.7	228.5	250.9	224.2	36.5	12.0	9.7	2.2	4.0
20:00	224.4	200.5	298.7	195.9	13.2	9.8	6.7	.7	1.2
21:00	9.3	196.8	17.1	191.8	21.4	32.0	9.5	.3	.9
22:00	64.0	111.6	40.7	83.1	7.2	5.8	42.9	.4	1.6
23:00	58.3	93.3	40.1	84.8	16.6	11.4	15.6	.6	1.6
Avg	225.0	202.0	238.0	201.0	23.3	19.1	18.0	.0	.0
Max	252.5	348.2	316.7	343.1	42.9	44.5	42.9	6.6	8.8
Hr. of Max	08	05	05	05	09	04	22	14	14
Min	9.3	50.0	17.1	40.2	3.8	5.8	3.8	.0	.2
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 05/17/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/16/2017

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	.3	.9	.6	.7	.9	3.1	.3	.05
01:00	3.4	1.1	2.3	3.4	1.3	3.6	-.5	1.2	-.04
02:00	4.7	1.2	2.4	4.8	1.4	5.0	.8	.4	.01
03:00	4.2	.4	1.2	4.2	.7	4.4	2.8	1.0	.04
04:00	1.0	.9	1.1	1.1	1.5	1.4	.5	-.3	.01
05:00	.4	.1	.8	.9	.7	1.2	2.0	.3	.03
06:00	4.0	1.7	3.1	4.0	1.8	4.2	.2	.6	-.01
07:00	3.9	1.1	1.8	3.9	1.4	4.1	.1	-.7	.00
08:00	.5	.9	1.3	1.6	1.4	1.9	-1.7	-4.2	-.05
09:00	2.3	2.2	2.6	2.6	2.8	3.1	2.3	-3.5	.04
10:00	3.8	2.9	3.6	4.1	3.5	4.6	-1.6	-6.7	-.21
11:00	5.6	4.5	5.3	5.9	5.2	6.6	.3	-1.8	-.07
12:00	7.0	5.4	6.6	7.4	6.0	8.0	2.5	-1.0	-.03
13:00	10.4	7.1	9.3	10.9	7.7	11.6	-.2	-2.3	-.32
14:00	10.3	7.1	9.3	10.6	7.9	11.4	2.1	-.4	-.14
15:00	9.6	6.9	8.9	10.0	7.6	10.6	.5	-1.5	-.23
16:00	9.1	6.3	8.3	9.7	7.1	10.3	-1.2	-.4	-.37
17:00	9.3	6.5	8.4	9.6	7.1	10.3	-1.6	-1.3	-.43
18:00	8.4	5.2	7.0	8.6	5.8	9.1	-1.0	.1	-.26
19:00	5.4	2.3	4.1	5.6	2.9	5.9	-1.5	-.5	-.16
20:00	3.6	.7	1.2	3.7	1.3	3.9	3.1	-.9	.08
21:00	1.6	.3	.9	1.7	.5	1.9	1.9	-1.3	.03
22:00	.3	.4	1.6	.7	.9	1.0	3.9	-1.8	.06
23:00	1.8	.7	1.7	2.2	1.0	2.4	1.6	-.6	.02
Avg	.0	2.8	3.9	4.9	3.3	5.3	.8	-1.1	-.08
Max	10.4	7.1	9.3	10.9	7.9	11.6	3.9	1.2	.08
Hr. of Max	13	14	14	13	14	13	22	01	20
Min	.3	.1	.8	.6	.5	.9	-1.7	-6.7	-.43
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 05/17/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/16/2017

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	.00	1.4	2.1	1.8	6.3	5.1	19.3	20.4
01:00	.07	3.0	4.1	5.0	6.1	2.0	18.5	19.2
02:00	.03	2.7	4.1	8.0	7.6	2.5	17.9	18.9
03:00	.07	1.4	3.9	11.7	7.4	3.7	17.3	17.9
04:00	-.01	2.7	2.7	8.5	5.5	5.0	16.4	17.6
05:00	.01	1.4	4.1	2.1	6.7	7.3	15.9	17.2
06:00	.02	5.3	5.3	7.3	8.0	5.7	16.0	17.1
07:00	-.05	3.2	6.0	8.0	13.9	6.1	16.8	16.9
08:00	-.18	5.7	6.2	6.9	25.3	18.6	19.7	19.2
09:00	-.20	6.6	6.4	6.9	27.6	27.0	21.7	21.0
10:00	-.60	7.8	9.2	8.7	23.2	19.8	23.8	23.0
11:00	-.27	11.2	12.4	12.1	18.8	17.5	25.8	25.0
12:00	-.39	16.7	23.6	20.2	20.6	18.0	27.6	26.7
13:00	-.61	22.4	21.1	20.2	17.9	11.6	28.6	27.6
14:00	-.29	16.0	18.8	26.8	19.2	12.1	29.4	28.4
15:00	-.52	16.9	18.8	19.7	16.8	12.4	29.7	28.8
16:00	-.23	14.2	21.3	24.0	18.1	12.8	30.2	29.3
17:00	-.38	14.2	17.4	24.0	15.4	10.8	30.3	29.5
18:00	-.11	11.9	12.8	20.6	15.1	9.5	30.2	29.5
19:00	-.07	10.3	15.3	14.9	11.6	6.4	29.1	28.9
20:00	-.06	3.9	3.2	5.7	6.4	4.0	26.5	28.2
21:00	-.06	2.7	2.5	8.7	6.8	8.8	24.8	26.8
22:00	-.03	1.6	3.2	2.7	7.5	9.8	23.4	25.6
23:00	-.03	2.3	3.4	4.1	8.8	8.6	22.0	23.9
Avg	-.16	7.7	9.5	11.6	13.4	10.2	23.4	23.6
Max	.07	22.4	23.6	26.8	27.6	27.0	30.3	29.5
Hr. of Max	03	13	12	14	09	09	17	18
Min	-.61	1.4	2.1	1.8	5.5	2.0	15.9	16.9
Count	24	24	24	24	24	24	24	24
Total								