Date Printed: 03/28/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/27/2017

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	13.9	17.2	18.0	18.5	3.26	4.06	4.60	.79	1.34
01:00	12.8	15.3	16.7	17.4	2.49	3.88	4.62	1.38	2.12
02:00	12.2	14.7	15.7	16.7	2.51	3.59	4.58	1.07	2.07
03:00	11.9	14.0	15.2	16.6	2.10	3.31	4.67	1.22	2.57
04:00	11.6	13.5	14.7	15.8	1.91	3.06	4.20	1.14	2.29
05:00	11.3	12.7	13.5	14.6	1.39	2.17	3.36	.78	1.97
06:00	10.7	12.4	13.0	14.1	1.74	2.36	3.40	.62	1.66
07:00	10.6	12.0	12.6	13.7	1.42	2.02	3.12	.60	1.70
08:00	11.3	12.0	12.6	13.5	.69	1.31	2.18	.62	1.49
09:00	14.1	14.0	14.0	14.6	-.13	-.08	.43	.05	.56
10:00	17.8	17.6	17.3	17.3	-.23	-.47	-.52	-.23	-.28
11:00	19.8	19.6	19.4	19.3	-.23	-.49	-.58	-.26	-.35
12:00	20.7	20.4	20.1	20.0	-.31	-.59	-.70	-.28	-.40
13:00	22.3	21.7	21.3	21.2	-.62	-1.00	-1.14	-.38	-.52
14:00	23.2	22.6	22.3	22.1	-.57	-.88	-1.04	-.32	-.48
15:00	23.9	23.4	23.1	22.9	-.45	-.76	-.93	-.32	-.48
16:00	23.7	23.5	23.2	23.1	-.27	-.54	-.67	-.27	-.41
17:00	24.1	23.9	23.6	23.5	-.22	-.49	-.62	-.27	-.40
18:00	23.5	23.7	23.5	23.5	.20	.04	.00	-.16	-.20
19:00	20.7	21.5	21.7	21.8	.88	1.02	1.12	.14	.24
20:00	16.2	16.3	16.3	16.3	.13	.08	.10	-.06	-.03
21:00	15.0	15.3	15.3	15.3	.24	.28	.29	.03	.04
22:00	14.7	15.0	15.3	15.4	.35	.58	.72	.23	.38
23:00	15.0	15.2	15.2	15.2	.25	.21	.23	-.05	-.02
Avg	16.7	17.4	17.7	18.0	.69	.94	1.31	.25	.62
Max	24.1	23.9	23.6	23.5	3.26	4.06	4.67	1.38	2.57
Hr. of Max	17	17	17	18	00	00	03	01	03
Min	10.6	12.0	12.6	13.5	-.62	-1.00	-1.14	-.38	-.52
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 03/28/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/27/2017

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	11.3	10.5	12.2	15.5	85.5	66.1	10.1	9.5	0.008576
01:00	11.0	10.7	11.6	15.4	90.0	75.3	10.0	9.7	0.008421
02:00	10.9	11.1	11.3	15.2	93.1	80.3	9.9	10.0	0.008346
03:00	10.9	11.3	11.3	15.1	94.9	84.9	10.0	10.1	0.008373
04:00	10.9	11.5	11.1	14.9	96.7	88.9	9.9	10.3	0.008353
05:00	10.7	11.5	10.9	14.7	97.8	93.9	9.8	10.3	0.008272
06:00	10.2	11.6	10.3	14.6	97.9	96.0	9.5	10.4	0.007941
07:00	10.1	11.5	10.2	14.4	97.9	98.0	9.4	10.3	0.007896
08:00	10.8	11.4	10.9	14.3	97.8	97.5	9.9	10.3	0.008269
09:00	12.1	11.7	12.8	14.1	89.3	87.7	10.7	10.4	0.009069
10:00	13.3	12.9	14.8	14.1	76.6	75.4	11.5	11.1	0.009865
11:00	14.8	14.5	16.4	14.2	73.9	74.0	12.5	12.3	0.010811
12:00	14.8	14.5	16.8	14.4	70.2	70.0	12.5	12.2	0.010844
13:00	14.7	14.1	17.2	14.7	63.4	63.6	12.3	11.9	0.010789
14:00	13.7	13.2	16.9	15.0	56.5	56.5	11.6	11.2	0.01016
15:00	13.2	12.6	16.7	15.4	52.3	51.9	11.1	10.8	0.009819
16:00	13.1	12.6	16.6	15.7	52.3	51.5	11.1	10.7	0.009756
17:00	12.6	12.0	16.4	16.0	49.5	48.4	10.7	10.3	0.009458
18:00	12.2	11.9	16.0	16.2	50.3	48.6	10.5	10.3	0.009252
19:00	13.0	12.2	15.6	16.3	64.7	57.1	11.2	10.5	0.009761
20:00	14.6	14.7	15.2	16.3	92.3	91.9	12.5	12.5	0.010754
21:00	14.4	14.8	14.6	16.3	97.7	98.6	12.4	12.6	0.010573
22:00	14.1	14.6	14.3	16.2	97.7	99.1	12.1	12.5	0.01036
23:00	14.2	14.5	14.5	16.1	97.0	96.8	12.2	12.4	0.010462
Avg	12.6	12.6	13.9	15.2	80.6	77.2	11.0	10.9	0.009424
Max	14.8	14.8	17.2	16.3	97.9	99.1	12.5	12.6	0.010844
Hr. of Max	12	21	13	21	07	22	20	21	12
Min	10.1	10.5	10.2	14.1	49.5	48.4	9.4	9.5	0.007896
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 03/28/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/27/2017

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	0.008164	13.4	12.8	.00	29.12	986.3	-2.2	.00	223.4
01:00	0.008271	13.2	12.9	.00	29.11	986.0	-2.1	.00	172.9
02:00	0.008478	13.0	13.3	.00	29.10	985.5	-1.7	.00	89.8
03:00	0.008596	13.1	13.4	.00	29.10	985.6	-2.3	.00	89.4
04:00	0.008712	13.1	13.6	.00	29.10	985.3	-2.5	.00	81.6
05:00	0.008703	12.9	13.6	.00	29.09	985.1	-2.9	.00	83.2
06:00	0.008737	12.4	13.7	.00	29.11	985.8	-3.7	-.01	97.7
07:00	0.008684	12.4	13.6	.00	29.12	986.2	5.5	.01	103.5
08:00	0.008622	12.9	13.5	.00	29.14	986.8	86.2	.12	178.4
09:00	0.008831	14.2	13.8	.00	29.14	986.9	238.4	.34	140.7
10:00	0.009577	15.4	15.0	.00	29.14	986.8	304.9	.44	180.1
11:00	0.010662	16.9	16.6	.00	29.13	986.6	262.1	.38	210.9
12:00	0.010623	16.9	16.6	.00	29.12	986.2	323.5	.46	208.8
13:00	0.010421	16.8	16.2	.00	29.10	985.4	617.0	.88	213.3
14:00	0.009816	15.8	15.3	.00	29.07	984.4	602.9	.86	200.8
15:00	0.009481	15.3	14.8	.00	29.03	983.2	531.9	.76	185.2
16:00	0.009445	15.2	14.7	.00	29.00	981.9	377.6	.54	186.9
17:00	0.009124	14.7	14.2	.00	28.98	981.3	289.7	.42	206.7
18:00	0.009039	14.4	14.0	.00	28.96	980.9	53.8	.08	190.9
19:00	0.009209	15.2	14.3	.04	28.98	981.5	1.7	.00	222.9
20:00	0.010782	16.7	16.8	.23	29.04	983.4	-2.4	.00	263.6
21:00	0.010833	16.4	16.8	.07	29.03	983.0	-2.3	.00	99.9
22:00	0.010737	16.1	16.7	.00	29.04	983.3	-2.0	.00	19.0
23:00	0.010614	16.3	16.5	.06	29.06	984.0	-2.7	.00	303.8
Avg	0.009423	14.7	14.7	.02	29.08	984.6	152.9	.22	169.0
Max	0.010833	16.9	16.8	.23	29.14	986.9	617.0	.88	303.8
Hr. of Max	21	12	21	20	10	09	13	13	23
Min	0.008164	12.4	12.8	.00	28.96	980.9	-3.7	-.01	19.0
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 03/28/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/27/2017

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	235.5	222.5	238.9	218.3	42.4	9.2	7.6	2.3	4.3
01:00	240.4	224.8	230.9	221.2	28.9	9.6	5.4	.3	2.3
02:00	254.7	212.7	221.5	208.8	16.9	11.8	11.1	.0	1.6
03:00	249.0	243.2	87.4	238.1	8.3	14.9	11.3	.2	.0
04:00	274.9	200.0	124.2	194.7	15.5	39.2	17.2	.3	.2
05:00	59.0	45.0	78.0	33.9	15.8	8.5	29.3	.8	1.9
06:00	67.0	78.7	77.8	68.9	6.0	12.3	9.2	.1	1.2
07:00	73.8	45.1	244.9	32.1	15.3	14.1	10.8	.1	.5
08:00	232.1	251.6	225.9	234.8	20.3	24.2	34.7	.3	.3
09:00	245.0	224.1	190.6	220.2	21.8	50.0	17.5	.5	.3
10:00	197.8	208.8	192.0	205.2	39.6	49.9	27.7	2.1	3.2
11:00	217.9	215.1	211.5	210.9	22.0	18.0	14.8	7.7	10.2
12:00	216.0	214.6	209.6	210.4	24.5	20.3	17.3	6.6	8.4
13:00	220.0	218.3	214.6	213.5	24.4	20.9	16.1	7.3	9.2
14:00	206.8	205.4	202.1	201.1	24.5	18.8	16.3	9.1	11.3
15:00	196.8	196.3	185.7	192.0	32.8	27.3	23.5	6.3	8.2
16:00	195.8	194.4	187.8	189.6	26.6	22.1	18.1	7.2	8.9
17:00	214.8	211.5	208.1	207.1	26.4	21.9	17.5	6.4	8.7
18:00	200.1	196.2	194.2	191.3	24.7	20.2	17.7	4.5	6.3
19:00	225.6	219.4	224.8	215.1	20.6	15.8	12.5	4.9	7.9
20:00	272.9	275.2	263.5	269.4	33.9	25.1	20.6	5.9	9.0
21:00	179.5	180.0	260.6	175.8	58.0	53.6	40.9	.5	.6
22:00	3.9	354.0	335.3	344.0	42.1	26.8	54.9	1.4	2.2
23:00	312.4	311.3	292.7	302.1	44.2	28.9	22.1	2.5	4.5
Avg	227.0	218.0	211.0	215.0	26.5	23.5	19.8	.0	.0
Max	312.4	354.0	335.3	344.0	58.0	53.6	54.9	9.1	11.3
Hr. of Max	23	22	22	22	21	21	22	14	14
Min	3.9	45.0	77.8	32.1	6.0	8.5	5.4	.0	.0
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 03/28/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/27/2017

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	5.7	2.4	4.4	5.9	2.8	6.2	1.0	-.4	.02
01:00	4.7	.3	2.3	4.8	1.0	5.0	3.4	-.1	.06
02:00	3.5	.0	1.7	3.6	.5	3.8	3.7	-1.2	.05
03:00	2.4	.2	.0	2.6	.5	2.8	2.2	-.7	.03
04:00	1.8	.3	.6	1.9	.7	2.1	2.7	-1.3	.04
05:00	1.6	.8	1.9	1.7	1.1	2.0	2.2	2.7	.04
06:00	2.2	.1	1.2	2.3	.5	2.5	2.4	.4	.03
07:00	1.1	.1	.5	1.1	.6	1.4	1.7	.7	.03
08:00	.4	.4	.4	.6	1.1	1.0	1.5	-.2	.03
09:00	1.6	.6	.7	1.8	1.3	2.0	-1.3	-1.9	-.03
10:00	4.6	2.7	3.6	4.9	3.2	5.4	1.1	.1	.10
11:00	12.1	8.3	10.7	12.6	8.9	13.2	1.3	-2.2	-.08
12:00	9.9	7.1	8.9	10.3	7.8	11.0	1.4	-.3	-.02
13:00	11.0	7.9	9.7	11.4	8.6	12.2	2.5	.1	.10
14:00	13.4	10.0	11.9	13.9	10.4	14.5	1.0	-1.9	-.08
15:00	9.6	7.3	9.1	10.4	8.1	11.1	3.5	3.0	.25
16:00	10.4	7.9	9.6	10.9	8.4	11.4	1.6	-.1	.06
17:00	10.2	7.0	9.3	10.7	7.7	11.3	1.7	-.5	.03
18:00	7.8	4.9	6.6	8.2	5.4	8.5	1.9	-1.8	.06
19:00	10.7	5.7	8.8	11.6	6.4	12.1	.2	-1.5	-.03
20:00	11.8	6.7	9.8	12.6	7.2	12.8	-.2	-1.9	-.34
21:00	1.7	1.6	1.8	2.6	2.2	2.9	-.4	.4	-.02
22:00	2.3	1.8	2.4	2.8	2.2	3.1	-.2	-.7	-.10
23:00	7.1	3.2	5.0	7.6	3.6	7.9	-.8	-1.4	-.25
Avg	.0	3.6	5.0	6.5	4.2	6.9	1.4	-.4	.00
Max	13.4	10.0	11.9	13.9	10.4	14.5	3.7	3.0	.25
Hr. of Max	14	14	14	14	14	14	02	15	15
Min	.4	.0	.0	.6	.5	1.0	-1.3	-2.2	-.34
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 03/28/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/27/2017

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	-.02	7.3	13.3	19.0	5.6	3.0	17.8	18.9
01:00	.00	2.3	7.8	6.2	8.7	2.3	15.9	17.9
02:00	-.09	.9	4.4	9.8	8.2	3.0	15.3	17.3
03:00	-.03	1.1	.9	6.2	6.7	4.4	14.7	17.1
04:00	-.06	1.8	1.8	5.5	8.1	8.8	14.2	16.4
05:00	.10	3.2	3.4	4.4	6.6	4.8	13.4	15.2
06:00	.05	1.1	3.0	5.5	8.2	4.8	13.1	14.6
07:00	.03	1.6	2.5	3.2	5.8	5.5	12.7	14.2
08:00	-.01	1.8	3.2	2.3	8.7	12.2	12.7	14.0
09:00	-.09	3.0	3.7	4.6	18.7	8.7	14.8	14.9
10:00	-.26	14.4	15.3	17.4	24.4	21.1	18.4	17.7
11:00	-.65	19.5	20.2	22.0	14.8	9.5	20.5	19.7
12:00	-.25	17.9	19.7	28.2	16.0	12.7	21.2	20.5
13:00	-.38	19.2	26.1	29.8	16.3	14.6	22.4	21.4
14:00	-.79	24.0	27.0	32.3	15.1	12.0	23.2	22.3
15:00	.25	19.2	21.8	22.2	17.4	15.7	24.0	23.1
16:00	-.26	20.4	19.2	22.7	15.2	14.0	24.1	23.3
17:00	-.30	21.1	22.2	25.6	16.8	13.0	24.5	23.7
18:00	-.52	12.8	17.9	18.3	17.5	13.7	24.3	23.7
19:00	-.44	15.1	19.0	23.6	12.4	8.5	22.4	22.4
20:00	-.65	19.5	25.2	30.2	18.5	11.4	17.4	16.9
21:00	-.01	8.0	7.3	10.1	14.0	17.2	16.4	16.1
22:00	.00	10.8	13.3	16.5	11.3	17.6	16.2	16.1
23:00	-.50	14.2	15.6	27.7	21.7	15.3	16.4	15.8
Avg	-.20	10.8	13.1	16.4	13.2	10.6	18.2	18.5
Max	.25	24.0	27.0	32.3	24.4	21.1	24.5	23.7
Hr. of Max	15	14	14	14	10	10	17	18
Min	-.79	.9	.9	2.3	5.6	2.3	12.7	14.0
Count	24	24	24	24	24	24	24	24
Total								