Date Printed: 05/18/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/17/2017

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	18.2	20.2	20.7	23.6	2.02	2.49	5.39	.46	3.37
01:00	17.5	20.1	21.8	23.2	2.56	4.32	5.69	1.76	3.14
02:00	17.0	21.4	22.6	22.8	4.34	5.54	5.82	1.20	1.47
03:00	17.0	19.9	21.7	22.2	2.97	4.76	5.21	1.79	2.25
04:00	16.3	18.7	19.5	21.3	2.34	3.19	4.99	.86	2.66
05:00	15.7	17.7	18.3	19.8	2.03	2.57	4.07	.54	2.04
06:00	15.1	17.0	17.5	18.8	1.84	2.43	3.67	.59	1.83
07:00	16.3	17.2	17.7	18.3	.88	1.36	1.95	.48	1.07
08:00	20.2	20.0	19.8	20.1	-.17	-.34	-.08	-.17	.08
09:00	23.9	23.3	23.1	23.0	-.55	-.80	-.84	-.25	-.30
10:00	25.9	25.1	24.8	24.6	-.80	-1.11	-1.24	-.31	-.43
11:00	27.7	26.8	26.4	26.3	-.96	-1.32	-1.48	-.36	-.51
12:00	29.2	28.3	27.9	27.8	-.89	-1.24	-1.38	-.35	-.49
13:00	30.8	29.7	29.4	29.2	-1.05	-1.38	-1.52	-.33	-.47
14:00	30.5	29.9	29.6	29.5	-.66	-.90	-1.01	-.25	-.35
15:00	29.4	28.8	28.5	28.5	-.68	-.89	-.97	-.21	-.29
16:00	30.3	29.6	29.3	29.2	-.68	-1.03	-1.13	-.34	-.45
17:00	30.0	29.5	29.2	29.0	-.44	-.77	-.96	-.32	-.52
18:00	30.0	29.8	29.5	29.4	-.21	-.50	-.65	-.29	-.44
19:00	28.7	29.0	28.8	28.8	.31	.15	.17	-.16	-.14
20:00	24.2	27.1	27.6	27.9	2.97	3.47	3.72	.50	.75
21:00	22.7	26.3	26.6	26.7	3.68	3.93	4.09	.26	.41
22:00	21.1	24.9	25.7	26.0	3.72	4.53	4.81	.81	1.09
23:00	20.3	23.8	24.7	25.1	3.52	4.44	4.82	.92	1.30
Avg	23.3	24.3	24.6	25.0	1.09	1.37	1.80	.28	.71
Max	30.8	29.9	29.6	29.5	4.34	5.54	5.82	1.79	3.37
Hr. of Max	13	14	14	14	02	02	02	03	00
Min	15.1	17.0	17.5	18.3	-1.05	-1.38	-1.52	-.36	-.52
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 05/18/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/17/2017

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	15.7	16.1	16.5	20.9	86.9	78.5	13.3	13.5	0.011495
01:00	15.6	16.1	16.2	20.8	89.9	79.3	13.2	13.5	0.011393
02:00	15.5	15.8	16.0	20.7	92.7	72.1	13.2	13.3	0.011382
03:00	15.5	15.7	16.0	20.6	92.6	78.0	13.2	13.2	0.011334
04:00	15.1	15.7	15.5	20.4	94.1	84.4	12.9	13.3	0.011068
05:00	14.7	15.7	15.0	20.3	95.7	89.5	12.6	13.3	0.010778
06:00	14.3	15.7	14.6	20.2	96.3	93.8	12.3	13.3	0.010457
07:00	15.3	15.1	15.6	20.0	95.6	89.2	13.1	12.8	0.011194
08:00	16.1	15.0	17.5	19.9	79.3	74.4	13.6	12.6	0.011796
09:00	15.9	14.8	18.5	19.8	62.4	60.1	13.3	12.4	0.011651
10:00	15.3	14.5	18.8	19.8	53.3	53.0	12.7	12.1	0.011239
11:00	15.2	14.3	19.4	19.9	47.5	47.5	12.6	11.9	0.011189
12:00	14.3	13.5	19.2	20.1	41.3	41.4	11.8	11.3	0.010567
13:00	11.7	10.8	18.1	20.4	32.1	31.9	10.0	9.4	0.008983
14:00	11.8	11.0	18.1	20.7	32.7	32.1	10.1	9.6	0.009035
15:00	14.4	13.6	19.4	21.0	41.2	40.6	12.0	11.4	0.01072
16:00	12.8	11.9	18.6	21.2	35.3	34.7	10.8	10.2	0.009665
17:00	13.4	12.7	18.9	21.4	37.4	36.5	11.2	10.7	0.010053
18:00	13.8	13.2	19.2	21.5	38.1	37.2	11.4	11.0	0.010268
19:00	14.3	13.7	19.1	21.6	42.5	40.2	11.8	11.4	0.010592
20:00	15.4	14.3	18.3	21.6	59.8	46.5	12.9	11.9	0.011371
21:00	15.4	14.1	17.8	21.6	65.2	48.2	12.9	11.8	0.011353
22:00	15.4	14.2	17.3	21.5	71.0	52.9	12.9	11.9	0.011268
23:00	15.4	14.6	17.1	21.4	75.2	57.6	13.0	12.2	0.011313
Avg	14.7	14.3	17.5	20.7	64.9	58.3	12.4	12.0	0.01084
Max	16.1	16.1	19.4	21.6	96.3	93.8	13.6	13.5	0.011796
Hr. of Max	08	01	15	21	06	06	08	01	08
Min	11.7	10.8	14.6	19.8	32.1	31.9	10.0	9.4	0.008983
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 05/18/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/17/2017

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	0.011785	17.9	18.3	.00	29.10	985.4	-2.7	.00	75.7
01:00	0.011793	17.7	18.3	.00	29.09	985.2	-1.6	.00	74.0
02:00	0.011604	17.7	18.0	.00	29.09	985.0	-1.4	.00	228.8
03:00	0.011489	17.6	17.9	.00	29.08	984.9	-1.7	.00	115.5
04:00	0.011497	17.2	17.9	.00	29.09	985.1	-2.2	.00	89.5
05:00	0.011478	16.8	17.9	.00	29.10	985.3	-1.9	.00	79.9
06:00	0.011463	16.3	17.8	.00	29.11	985.8	4.9	.01	81.5
07:00	0.011036	17.4	17.2	.00	29.14	986.7	96.9	.14	132.2
08:00	0.01095	18.4	17.1	.00	29.16	987.5	356.1	.51	126.0
09:00	0.01086	18.2	17.0	.00	29.17	987.8	565.2	.81	196.1
10:00	0.010642	17.5	16.6	.00	29.17	988.0	699.1	1.00	216.8
11:00	0.010567	17.5	16.5	.00	29.17	987.9	909.3	1.30	198.9
12:00	0.010059	16.5	15.7	.00	29.15	987.3	865.3	1.24	186.3
13:00	0.008417	14.0	13.2	.00	29.14	986.9	984.1	1.41	187.2
14:00	0.008566	14.1	13.4	.00	29.13	986.6	627.5	.90	216.7
15:00	0.010156	16.7	15.8	.00	29.13	986.4	596.5	.86	251.4
16:00	0.009114	15.1	14.2	.00	29.11	985.7	616.2	.88	220.9
17:00	0.009572	15.7	14.9	.00	29.08	984.8	437.6	.63	206.2
18:00	0.009906	16.0	15.4	.00	29.07	984.3	341.0	.49	202.7
19:00	0.010188	16.5	15.9	.00	29.05	983.9	144.0	.21	210.8
20:00	0.010566	17.7	16.4	.00	29.06	984.1	9.2	.01	223.6
21:00	0.010463	17.6	16.3	.00	29.07	984.4	-1.0	.00	229.7
22:00	0.010505	17.5	16.4	.00	29.10	985.4	-2.8	.00	194.0
23:00	0.010733	17.6	16.7	.00	29.11	985.9	-3.4	.00	86.5
Avg	0.010559	16.9	16.5	.00	29.11	985.8	301.4	.43	175.0
Max	0.011793	18.4	18.3	.00	29.17	988.0	984.1	1.41	251.4
Hr. of Max	01	08	01	23	11	10	13	13	15
Min	0.008417	14.0	13.2	.00	29.05	983.9	-3.4	.00	74.0
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 05/18/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/17/2017

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	61.8	190.7	39.6	186.2	13.2	14.4	11.0	.3	1.2
01:00	282.8	193.2	347.7	188.7	54.6	38.3	15.2	.2	1.2
02:00	234.5	207.7	237.2	203.5	44.9	17.4	14.6	1.8	4.0
03:00	254.9	219.1	192.7	214.8	49.3	28.5	15.4	.1	1.9
04:00	20.3	272.4	63.9	266.9	11.7	20.7	36.4	.1	.5
05:00	59.9	72.9	50.7	57.4	13.4	13.6	33.7	.2	1.2
06:00	62.2	58.6	304.2	48.7	40.5	36.4	18.1	.2	1.2
07:00	84.0	67.4	212.8	60.2	49.7	40.7	40.3	.3	.4
08:00	126.9	308.9	164.1	306.8	18.5	54.3	51.6	.3	.1
09:00	219.7	230.1	205.3	225.0	28.9	26.8	24.1	2.2	2.9
10:00	229.7	221.9	220.3	217.1	33.1	25.6	24.5	2.9	3.7
11:00	204.4	200.4	200.0	195.6	36.1	32.6	31.0	3.4	4.7
12:00	195.2	194.2	187.5	189.2	32.3	25.7	23.4	4.6	6.1
13:00	197.6	196.5	189.3	191.8	32.1	25.0	22.5	6.4	8.3
14:00	223.4	220.4	216.4	216.1	28.6	21.1	17.9	6.2	8.6
15:00	254.2	250.4	251.5	245.8	24.2	17.3	15.2	5.3	7.3
16:00	229.3	226.0	221.1	221.7	28.3	21.9	15.6	6.0	8.7
17:00	218.2	213.0	206.8	208.7	29.0	21.7	15.9	4.6	6.6
18:00	213.9	209.3	206.3	205.3	25.8	18.7	14.3	5.2	7.3
19:00	216.2	209.1	214.0	204.9	23.9	17.4	12.3	3.7	5.7
20:00	211.8	204.0	235.9	199.9	24.6	8.9	7.7	1.6	3.9
21:00	215.0	198.0	231.4	193.4	18.2	13.2	12.5	2.9	5.0
22:00	224.9	205.6	239.8	201.5	40.1	10.3	7.8	1.3	3.2
23:00	221.2	202.4	224.5	197.8	61.8	19.6	13.6	.9	2.3
Avg	214.0	210.0	217.0	206.0	31.8	23.8	20.6	.0	.0
Max	282.8	308.9	347.7	306.8	61.8	54.3	51.6	6.4	8.7
Hr. of Max	01	08	01	08	23	08	08	13	16
Min	20.3	58.6	39.6	48.7	11.7	8.9	7.7	.1	.1
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 05/18/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/17/2017

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	2.7	.3	1.2	2.8	.7	3.0	2.8	-1.5	.04
01:00	4.1	.8	2.0	4.3	1.1	4.5	.7	-1.9	.00
02:00	5.4	2.1	4.2	5.6	2.5	6.0	.9	-1.6	.03
03:00	3.1	.3	2.1	3.2	.7	3.5	3.9	-.9	.07
04:00	.8	.1	.7	1.0	.4	1.2	1.3	.1	.02
05:00	.9	.2	1.2	1.0	.7	1.2	4.0	-.7	.05
06:00	2.0	.4	1.4	2.1	.8	2.3	.3	.5	.01
07:00	.9	.7	.6	1.0	1.2	1.4	-2.3	.2	-.04
08:00	.3	.4	.4	.6	1.0	.9	-1.8	-3.7	.00
09:00	3.5	2.5	3.2	3.7	3.1	4.1	-3.1	-3.3	-.21
10:00	4.2	3.5	4.2	4.6	4.1	5.1	-1.3	-1.2	-.23
11:00	5.4	4.3	5.4	6.1	4.9	6.7	1.7	3.1	-.01
12:00	6.9	5.4	6.7	7.3	6.0	7.8	3.1	.8	.18
13:00	10.0	7.3	9.1	10.8	8.2	11.4	2.4	.6	.01
14:00	10.6	7.2	9.4	11.5	7.9	12.1	.6	.6	-.12
15:00	8.9	5.7	7.6	9.3	6.3	9.9	-.3	-.2	-.28
16:00	10.7	6.7	9.2	11.2	7.6	12.0	1.5	.9	-.14
17:00	8.5	5.2	7.0	8.8	5.8	9.4	1.9	-.1	-.04
18:00	9.4	5.6	7.7	9.7	6.1	10.3	.9	-.6	-.12
19:00	7.6	3.9	5.9	7.8	4.4	8.3	.9	.0	-.01
20:00	6.0	1.6	4.0	6.1	2.1	6.4	-.4	-.8	-.04
21:00	6.4	3.0	5.1	6.5	3.4	6.8	-1.2	-1.3	-.10
22:00	5.4	1.4	3.3	5.4	1.7	5.7	1.6	-1.0	.00
23:00	4.5	1.1	2.6	4.7	1.5	4.9	2.0	-1.5	.03
Avg	.0	2.9	4.3	5.6	3.4	6.0	.8	-.6	-.04
Max	10.7	7.3	9.4	11.5	8.2	12.1	4.0	3.1	.18
Hr. of Max	16	13	14	14	13	14	05	11	12
Min	.3	.1	.4	.6	.4	.9	-3.1	-3.7	-.28
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 05/18/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/17/2017

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	-.10	2.5	4.1	7.3	10.9	8.0	21.3	24.4
01:00	-.21	3.7	6.2	10.3	15.4	11.2	21.0	24.0
02:00	-.24	7.6	10.3	12.1	16.1	11.8	22.3	23.6
03:00	-.07	3.4	7.6	8.0	14.5	8.6	20.8	22.9
04:00	.00	1.4	2.3	3.2	9.6	13.4	19.6	22.1
05:00	-.02	1.4	2.3	2.3	6.8	8.4	18.7	20.7
06:00	.03	3.0	3.9	3.9	8.7	8.4	18.0	19.7
07:00	.00	3.2	3.0	3.7	13.8	20.8	18.2	19.2
08:00	-.09	1.8	2.1	4.4	27.2	20.7	21.1	21.1
09:00	-.38	7.1	8.2	8.2	23.8	18.5	24.1	23.4
10:00	-.19	8.2	8.9	8.5	19.6	19.1	25.7	24.9
11:00	.21	12.6	13.3	13.5	20.4	20.0	27.4	26.5
12:00	-.10	15.1	15.1	16.7	19.2	18.0	28.8	27.9
13:00	-.25	20.6	23.4	23.4	18.6	15.9	29.9	29.0
14:00	-.10	18.1	22.9	22.4	16.2	12.2	30.1	29.3
15:00	-.21	14.7	20.4	21.3	17.2	11.5	29.3	28.6
16:00	-.09	19.5	23.6	23.8	19.4	12.1	29.9	29.1
17:00	-.20	14.7	14.9	22.4	18.3	12.0	29.9	29.1
18:00	-.28	15.3	17.2	19.5	17.3	10.9	30.3	29.6
19:00	-.07	13.1	18.3	19.0	16.3	9.3	29.5	29.1
20:00	-.12	5.5	8.0	11.7	8.5	6.0	27.8	28.3
21:00	-.23	8.0	9.4	12.1	12.1	8.9	27.1	27.2
22:00	-.13	5.5	9.8	10.1	12.0	5.4	25.5	26.5
23:00	-.17	4.6	7.8	9.2	14.3	8.9	24.5	25.7
Avg	-.13	8.8	11.0	12.4	15.7	12.5	25.0	25.5
Max	.21	20.6	23.6	23.8	27.2	20.8	30.3	29.6
Hr. of Max	11	13	16	16	08	07	18	18
Min	-.38	1.4	2.1	2.3	6.8	5.4	18.0	19.2
Count	24	24	24	24	24	24	24	24
Total								