Date Printed: 03/10/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/9/2017

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	3.3	5.9	7.2	9.8	2.60	3.92	6.56	1.32	3.96
01:00	2.2	4.8	6.0	8.2	2.53	3.73	5.98	1.20	3.45
02:00	1.1	3.9	5.1	8.2	2.77	3.93	7.06	1.16	4.29
03:00	.6	3.0	4.1	7.1	2.45	3.55	6.52	1.10	4.07
04:00	-.3	2.4	3.3	4.9	2.69	3.56	5.16	.88	2.48
05:00	-.7	1.8	2.6	4.6	2.46	3.29	5.26	.83	2.80
06:00	-.5	1.3	1.9	3.5	1.78	2.42	3.96	.64	2.18
07:00	.1	1.5	1.9	3.4	1.30	1.76	3.20	.46	1.90
08:00	4.1	4.1	4.3	5.3	.01	.22	1.19	.21	1.18
09:00	9.8	9.5	9.4	9.4	-.28	-.45	-.45	-.17	-.17
10:00	13.9	13.2	12.9	12.8	-.68	-.97	-1.06	-.29	-.38
11:00	16.6	15.7	15.4	15.3	-.92	-1.18	-1.28	-.25	-.36
12:00	18.9	17.9	17.6	17.5	-.95	-1.28	-1.36	-.33	-.41
13:00	20.4	19.4	19.1	18.9	-.99	-1.30	-1.44	-.31	-.45
14:00	21.1	20.3	19.9	19.8	-.86	-1.20	-1.34	-.34	-.47
15:00	21.7	21.0	20.6	20.5	-.73	-1.09	-1.26	-.36	-.53
16:00	21.7	21.2	20.9	20.8	-.45	-.77	-.91	-.32	-.46
17:00	21.2	21.2	21.0	20.9	.00	-.22	-.29	-.22	-.29
18:00	19.4	20.2	20.2	20.2	.79	.79	.81	.00	.02
19:00	14.4	18.0	19.0	19.2	3.61	4.62	4.79	1.01	1.18
20:00	13.1	17.0	17.8	18.0	3.84	4.69	4.91	.85	1.06
21:00	13.0	16.5	16.9	17.3	3.51	3.93	4.33	.42	.82
22:00	10.8	14.3	16.4	16.8	3.49	5.59	5.96	2.10	2.47
23:00	10.6	13.1	15.2	16.1	2.44	4.57	5.49	2.12	3.05
Avg	10.7	12.0	12.4	13.3	1.27	1.75	2.57	.49	1.31
Max	21.7	21.2	21.0	20.9	3.84	5.59	7.06	2.12	4.29
Hr. of Max	16	17	17	17	20	22	02	23	02
Min	-.7	1.3	1.9	3.4	-.99	-1.30	-1.44	-.36	-.53
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 03/10/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/9/2017

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	-1.1	-1.8	.3	12.0	73.3	58.5	4.4	4.2	0.003543
01:00	-1.0	-1.1	.1	11.8	79.6	66.5	4.5	4.4	0.00357
02:00	-1.5	-.7	-.6	11.5	83.0	72.3	4.3	4.5	0.003447
03:00	-1.7	-1.5	-1.0	11.2	85.3	72.8	4.3	4.3	0.003396
04:00	-2.2	-1.9	-1.6	11.0	87.4	73.6	4.1	4.2	0.003271
05:00	-2.3	-1.5	-1.7	10.7	89.4	79.2	4.1	4.3	0.003255
06:00	-2.0	-1.5	-1.5	10.4	90.1	82.4	4.2	4.3	0.00332
07:00	-1.5	-1.8	-1.0	10.2	88.9	79.7	4.3	4.2	0.003433
08:00	.2	-1.2	1.5	9.9	76.2	69.1	4.8	4.4	0.003902
09:00	.1	-1.8	3.3	9.8	52.0	45.9	4.8	4.1	0.003909
10:00	-1.6	-3.3	3.6	9.9	35.0	32.2	4.2	3.7	0.003471
11:00	-2.5	-4.3	3.9	10.1	27.7	25.7	3.9	3.4	0.003275
12:00	-3.4	-5.2	4.0	10.6	22.5	20.8	3.6	3.2	0.003085
13:00	-3.6	-5.4	4.4	11.2	20.2	18.8	3.6	3.1	0.003049
14:00	-4.2	-5.8	4.3	11.8	18.5	17.2	3.4	3.0	0.002924
15:00	-3.0	-4.7	5.2	12.3	19.5	17.9	3.7	3.3	0.003197
16:00	-2.6	-4.0	5.5	12.6	20.1	18.6	3.8	3.5	0.003295
17:00	-2.0	-3.2	5.8	12.8	21.6	19.7	4.0	3.7	0.003442
18:00	-1.4	-2.5	5.6	12.9	25.1	22.0	4.2	3.8	0.003579
19:00	.7	-2.0	5.3	13.0	39.9	26.2	4.9	4.0	0.004117
20:00	1.0	-1.6	5.1	13.0	44.5	28.6	5.0	4.1	0.004226
21:00	1.1	-1.1	5.0	12.8	45.2	30.6	5.0	4.3	0.004233
22:00	2.4	-.3	5.2	12.7	56.5	37.4	5.6	4.6	0.00463
23:00	2.9	1.0	5.4	12.5	59.5	44.4	5.8	5.0	0.004809
Avg	-1.2	-2.4	2.8	11.5	52.5	44.2	4.4	4.0	0.003599
Max	2.9	1.0	5.8	13.0	90.1	82.4	5.8	5.0	0.004809
Hr. of Max	23	23	17	20	06	06	23	23	23
Min	-4.2	-5.8	-1.7	9.8	18.5	17.2	3.4	3.0	0.002924
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 03/10/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/9/2017

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	0.003394	5.6	5.4	.00	29.38	994.8	-2.4	.00	358.8
01:00	0.003564	5.7	5.7	.00	29.37	994.6	-2.3	.00	75.9
02:00	0.00366	5.5	5.8	.00	29.36	994.4	-2.5	.00	107.6
03:00	0.003453	5.4	5.5	.00	29.35	994.0	-2.4	.00	85.6
04:00	0.003344	5.2	5.3	.00	29.36	994.1	-2.7	.00	198.6
05:00	0.003446	5.2	5.5	.00	29.36	994.4	-2.1	.00	113.7
06:00	0.003455	5.3	5.5	.00	29.37	994.6	-1.5	.00	68.9
07:00	0.00338	5.5	5.4	.00	29.37	994.5	82.5	.12	100.9
08:00	0.003539	6.2	5.6	.00	29.37	994.6	297.6	.43	130.7
09:00	0.003395	6.2	5.4	.00	29.36	994.3	507.8	.73	162.0
10:00	0.003052	5.5	4.9	.00	29.35	994.0	676.8	.97	186.6
11:00	0.002861	5.2	4.5	.00	29.33	993.3	783.4	1.12	221.4
12:00	0.002689	4.9	4.3	.00	29.30	992.4	833.8	1.20	222.3
13:00	0.002658	4.8	4.2	.00	29.26	991.0	832.3	1.19	226.6
14:00	0.002585	4.6	4.1	.00	29.23	989.8	758.9	1.09	222.8
15:00	0.00281	5.1	4.4	.00	29.20	988.9	621.8	.89	216.4
16:00	0.002967	5.2	4.7	.00	29.17	988.0	405.1	.58	227.2
17:00	0.003142	5.4	5.0	.00	29.16	987.5	158.8	.23	218.6
18:00	0.003296	5.6	5.2	.00	29.16	987.4	19.6	.03	198.3
19:00	0.003408	6.5	5.4	.00	29.15	987.3	-2.2	.00	161.2
20:00	0.003498	6.7	5.5	.00	29.14	986.8	-2.1	.00	208.1
21:00	0.003633	6.7	5.7	.00	29.12	986.2	-2.4	.00	240.5
22:00	0.003848	7.3	6.1	.00	29.11	985.7	-1.8	.00	86.4
23:00	0.004216	7.6	6.6	.00	29.07	984.4	-2.8	.00	68.7
Avg	0.003304	5.7	5.2	.00	29.27	991.1	248.0	.36	168.0
Max	0.004216	7.6	6.6	.00	29.38	994.8	833.8	1.20	358.8
Hr. of Max	23	23	23	23	00	00	12	12	00
Min	0.002585	4.6	4.1	.00	29.07	984.4	-2.8	.00	68.7
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 03/10/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/9/2017

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	220.7	240.0	235.0	235.2	36.0	33.0	15.7	.1	.6
01:00	49.0	148.8	62.7	219.1	10.3	27.9	12.7	.4	.9
02:00	82.3	279.4	115.8	279.9	24.3	24.3	27.4	.1	.5
03:00	341.4	268.2	63.5	262.8	18.8	63.7	15.8	.4	.5
04:00	333.3	233.6	244.0	228.6	25.4	9.3	19.1	.9	1.2
05:00	300.8	221.2	84.5	217.6	23.5	33.1	9.2	.1	.6
06:00	58.0	67.7	57.8	57.1	9.9	7.5	45.0	1.1	2.1
07:00	62.6	54.9	107.8	46.3	7.5	16.3	3.7	.4	1.0
08:00	242.4	277.4	171.2	271.8	10.8	43.1	27.1	.2	.4
09:00	213.3	221.5	182.9	216.6	31.8	29.4	26.2	1.4	1.7
10:00	203.5	209.8	191.4	204.9	28.6	23.0	21.8	3.3	3.5
11:00	233.7	229.2	224.3	224.9	26.5	22.1	18.2	4.7	5.4
12:00	231.1	229.3	223.5	224.5	35.1	26.6	21.4	5.3	6.7
13:00	231.5	225.7	226.9	221.4	37.9	33.1	28.5	5.6	6.9
14:00	229.0	226.9	223.9	223.1	28.2	24.1	22.1	7.5	9.2
15:00	224.8	223.2	217.8	219.8	24.9	22.9	19.4	7.2	9.0
16:00	235.6	233.8	228.6	230.0	20.8	18.0	15.7	6.9	8.6
17:00	225.0	221.3	220.1	217.3	20.4	16.5	12.6	4.9	6.8
18:00	204.0	197.6	202.3	193.0	19.4	15.0	12.0	3.2	5.1
19:00	203.0	196.1	225.2	191.4	26.5	10.1	7.0	.7	3.5
20:00	204.5	196.2	216.4	191.6	28.2	8.7	6.9	2.8	6.1
21:00	221.9	203.6	247.2	199.2	29.3	14.2	8.8	1.9	4.2
22:00	260.4	223.1	62.3	218.7	34.7	24.9	14.2	.3	1.3
23:00	145.6	182.8	39.6	178.5	25.7	62.2	13.2	.5	.4
Avg	226.0	220.0	192.0	219.0	24.4	25.4	17.7	.0	.0
Max	341.4	279.4	247.2	279.9	37.9	63.7	45.0	7.5	9.2
Hr. of Max	03	02	21	02	13	03	06	14	14
Min	49.0	54.9	39.6	46.3	7.5	7.5	3.7	.1	.4
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 03/10/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/9/2017

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	2.3	.2	.7	2.4	.7	2.5	1.7	.3	.02
01:00	.2	.4	1.0	.6	.7	.9	1.4	-1.0	.02
02:00	1.3	.1	.7	1.5	.6	1.8	1.2	-1.1	.02
03:00	1.0	.4	.6	1.2	.7	1.4	.9	.6	.01
04:00	1.7	.9	1.4	1.9	1.4	2.1	1.1	-.2	.01
05:00	2.9	.5	1.4	3.0	.8	3.2	2.6	-.5	.04
06:00	2.4	1.2	2.3	2.5	1.4	2.8	-.6	2.1	-.03
07:00	3.7	.4	1.0	3.7	.9	3.9	2.6	1.4	.04
08:00	.8	.3	.5	1.3	1.0	1.5	-1.3	-.4	-.01
09:00	2.1	1.6	2.0	2.3	2.2	2.7	2.0	-7.9	.07
10:00	3.6	3.7	3.8	3.9	4.2	4.4	.7	-7.3	.02
11:00	6.1	5.3	5.8	6.4	5.8	6.9	-3.5	-6.0	-.44
12:00	7.5	6.3	7.5	8.1	7.0	8.9	1.1	-.9	-.04
13:00	8.0	6.7	7.9	8.8	7.3	9.5	1.8	-2.0	.09
14:00	10.3	8.2	9.8	10.9	9.1	11.7	-.2	-1.1	-.27
15:00	10.5	7.9	9.6	11.1	8.4	11.8	.5	-3.1	-.11
16:00	10.0	7.3	9.0	10.3	8.0	11.0	.2	-3.1	-.19
17:00	8.1	5.2	7.1	8.3	5.7	8.8	1.1	-.2	-.04
18:00	6.7	3.4	5.3	6.9	3.8	7.1	1.9	-1.7	.04
19:00	4.9	.9	3.6	5.0	1.3	5.1	2.1	-1.5	.04
20:00	8.1	2.9	6.1	8.2	3.3	8.5	-.3	-1.8	-.04
21:00	7.3	2.2	4.5	7.4	2.4	7.7	1.7	.3	.04
22:00	2.7	.4	1.4	2.8	1.0	3.0	1.5	-1.5	.03
23:00	2.7	.6	.6	2.8	1.0	2.9	1.9	-.6	.03
Avg	.0	2.8	3.9	5.1	3.3	5.4	.9	-1.6	-.03
Max	10.5	8.2	9.8	11.1	9.1	11.8	2.6	2.1	.09
Hr. of Max	15	14	14	15	14	15	07	06	13
Min	.2	.1	.5	.6	.6	.9	-3.5	-7.9	-.44
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 03/10/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/9/2017

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	.01	2.1	2.1	7.6	9.7	2.9	6.0	9.9
01:00	-.01	1.8	1.8	3.0	6.1	5.7	4.8	8.2
02:00	-.03	1.4	1.8	3.9	5.7	7.6	4.0	8.3
03:00	.01	2.1	2.3	3.9	6.6	8.2	3.1	7.2
04:00	-.01	2.7	3.7	3.4	4.9	4.9	2.5	4.9
05:00	-.04	4.4	5.3	6.2	7.0	2.1	1.9	4.7
06:00	.12	2.5	3.7	4.8	5.9	4.1	1.4	3.5
07:00	.10	1.6	2.7	8.9	6.8	2.9	1.6	3.5
08:00	-.03	1.8	2.5	3.7	20.4	9.8	4.3	5.3
09:00	-.39	5.3	6.0	5.5	26.2	21.1	9.6	9.0
10:00	-.62	8.7	7.8	8.7	20.3	20.9	13.1	12.3
11:00	-.76	14.2	14.0	16.3	17.0	17.1	15.5	14.6
12:00	-.27	14.0	15.3	16.3	16.5	17.5	17.6	16.7
13:00	-.45	16.7	18.8	20.4	20.1	17.7	19.1	18.2
14:00	-.48	18.5	21.5	26.8	15.2	15.2	19.9	19.0
15:00	-.76	18.3	17.9	21.5	15.0	12.4	20.7	19.8
16:00	-.68	29.3	24.0	25.6	14.4	10.1	21.0	20.2
17:00	-.18	13.3	16.9	16.3	14.5	10.9	21.1	20.5
18:00	-.29	9.6	11.7	13.3	13.6	8.1	20.3	19.9
19:00	-.15	7.6	10.3	13.1	13.6	5.0	18.0	19.0
20:00	-.27	8.2	12.1	14.0	12.2	6.0	17.1	17.8
21:00	.01	10.3	11.0	19.5	12.3	6.5	16.5	17.2
22:00	-.10	2.5	5.5	7.3	13.2	6.7	14.2	16.7
23:00	-.08	2.7	2.7	7.1	14.2	8.9	13.1	15.9
Avg	-.22	8.3	9.2	11.5	13.0	9.7	11.9	13.0
Max	.12	29.3	24.0	26.8	26.2	21.1	21.1	20.5
Hr. of Max	06	16	16	14	09	09	17	17
Min	-.76	1.4	1.8	3.0	4.9	2.1	1.4	3.5
Count	24	24	24	24	24	24	24	24
Total								