Date Printed: 09/05/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/4/2016

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	19.9	20.3	20.7	1.77	2.09	2.58	.32	.81
01:00	17.5	19.2	19.5	19.8	1.77	1.99	2.37	.22	.60
02:00	18.1	19.0	19.2	19.5	.88	1.06	1.39	.19	.52
03:00	17.5	18.6	18.8	19.1	1.15	1.38	1.69	.23	.54
04:00	17.2	18.4	18.4	18.7	1.23	1.28	1.58	.05	.35
05:00	16.3	17.7	17.8	18.2	1.35	1.47	1.83	.12	.49
06:00	16.6	17.4	17.5	17.8	.82	.91	1.28	.09	.47
07:00	17.0	17.5	17.5	17.6	.53	.55	.68	.01	.15
08:00	19.2	18.9	18.7	18.6	-.24	-.45	-.52	-.21	-.28
09:00	21.0	20.5	20.2	20.1	-.50	-.77	-.89	-.27	-.39
10:00	23.1	22.2	21.8	21.6	-.87	-1.23	-1.42	-.36	-.55
11:00	25.1	24.1	23.8	23.6	-.97	-1.32	-1.49	-.35	-.52
12:00	27.9	26.7	26.3	26.1	-1.20	-1.58	-1.77	-.38	-.57
13:00	29.5	28.1	27.7	27.5	-1.39	-1.84	-2.03	-.45	-.64
14:00	31.0	29.5	29.0	28.8	-1.56	-2.02	-2.27	-.46	-.71
15:00	30.7	29.7	29.3	29.1	-1.07	-1.46	-1.65	-.39	-.58
16:00	31.5	30.4	30.1	29.8	-1.13	-1.44	-1.65	-.31	-.51
17:00	31.4	30.5	30.1	30.0	-.92	-1.26	-1.41	-.34	-.49
18:00	30.5	30.2	30.0	29.9	-.31	-.53	-.62	-.22	-.31
19:00	26.4	28.5	29.1	29.3	2.11	2.67	2.91	.56	.81
20:00	23.3	26.0	26.4	27.1	2.77	3.15	3.83	.38	1.06
21:00	21.7	23.9	24.4	25.6	2.17	2.68	3.90	.51	1.73
22:00	20.6	22.5	23.2	24.6	1.85	2.53	3.93	.68	2.08
23:00	19.9	21.5	21.9	23.0	1.63	2.04	3.14	.40	1.51
Avg	23.0	23.4	23.4	23.6	.41	.41	.64	.00	.23
Max	31.5	30.5	30.1	30.0	2.77	3.15	3.93	.68	2.08
Hr. of Max	16	17	17	17	20	20	22	22	22
Min	16.3	17.4	17.5	17.6	-1.56	-2.02	-2.27	-.46	-.71
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/05/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/4/2016

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	14.1	14.2	15.5	26.3	78.6	71.0	12.0	12.0	0.010328
01:00	14.2	14.4	15.3	26.1	82.3	74.9	12.1	12.2	0.010349
02:00	14.5	14.4	15.7	25.8	81.1	76.3	12.4	12.3	0.010613
03:00	14.4	14.5	15.4	25.6	84.0	78.3	12.3	12.3	0.010542
04:00	14.4	14.3	15.3	25.4	85.1	78.4	12.2	12.1	0.010485
05:00	14.1	14.3	14.8	25.2	88.2	82.0	12.1	12.2	0.010305
06:00	14.2	14.3	15.0	25.0	87.5	83.7	12.2	12.2	0.01037
07:00	14.4	14.4	15.3	24.7	86.6	83.5	12.3	12.3	0.010517
08:00	15.0	14.6	16.4	24.6	78.3	77.3	12.7	12.3	0.010912
09:00	14.9	14.5	16.9	24.4	69.5	69.9	12.5	12.3	0.010851
10:00	14.5	14.2	17.3	24.4	59.8	61.7	12.2	11.9	0.010595
11:00	14.3	14.1	17.9	24.5	52.4	54.6	11.9	11.8	0.010479
12:00	14.1	13.9	18.7	24.7	44.1	46.4	11.7	11.6	0.010406
13:00	13.6	13.4	18.9	25.2	38.9	41.5	11.3	11.2	0.010099
14:00	13.5	13.6	19.3	25.8	35.3	38.9	11.2	11.3	0.010023
15:00	12.9	13.0	18.8	26.4	34.6	37.1	10.8	10.9	0.009644
16:00	12.3	12.0	18.7	26.8	31.8	33.4	10.3	10.2	0.009285
17:00	12.3	12.2	18.6	27.1	32.1	33.5	10.4	10.3	0.009289
18:00	12.9	12.6	18.8	27.3	35.2	35.0	10.8	10.6	0.009663
19:00	14.7	12.7	18.6	27.4	50.0	38.9	12.2	10.7	0.010823
20:00	14.8	13.8	17.6	27.4	60.4	48.1	12.4	11.5	0.010851
21:00	15.1	14.9	17.3	27.2	67.4	58.4	12.7	12.4	0.011022
22:00	15.3	15.5	17.1	27.0	72.7	65.8	12.9	12.9	0.011134
23:00	15.4	15.7	16.9	26.8	76.8	70.7	13.0	13.2	0.011224
Avg	14.2	14.0	17.1	25.9	63.0	60.0	11.9	11.8	0.010409
Max	15.4	15.7	19.3	27.4	88.2	83.7	13.0	13.2	0.011224
Hr. of Max	23	23	14	20	05	06	23	23	23
Min	12.3	12.0	14.8	24.4	31.8	33.4	10.3	10.2	0.009285
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/05/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/4/2016

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	0.010419	16.2	16.3	.00	29.21	989.2	-1.6	.00	56.8
01:00	0.010513	16.2	16.4	.00	29.22	989.5	-1.4	.00	52.5
02:00	0.010559	16.6	16.5	.00	29.22	989.6	-1.5	.00	81.4
03:00	0.010568	16.5	16.5	.00	29.22	989.6	-1.6	.00	58.3
04:00	0.01044	16.4	16.3	.00	29.23	989.9	-1.3	.00	46.0
05:00	0.010432	16.1	16.3	.00	29.24	990.4	-1.7	.00	42.5
06:00	0.010443	16.2	16.4	.00	29.26	990.9	-1.4	.00	49.4
07:00	0.010484	16.5	16.4	.00	29.28	991.4	22.9	.03	49.4
08:00	0.010615	17.1	16.6	.00	29.29	992.0	177.3	.25	77.8
09:00	0.010589	17.0	16.6	.00	29.30	992.3	286.3	.41	63.2
10:00	0.010373	16.6	16.3	.00	29.31	992.4	476.1	.68	62.7
11:00	0.010315	16.4	16.2	.00	29.30	992.4	672.1	.96	45.8
12:00	0.01021	16.3	16.0	.00	29.29	992.0	872.2	1.25	102.2
13:00	0.009957	15.8	15.6	.00	29.27	991.2	913.7	1.31	127.9
14:00	0.01007	15.7	15.8	.00	29.25	990.6	902.9	1.29	57.4
15:00	0.009729	15.1	15.2	.00	29.23	989.9	690.7	.99	50.6
16:00	0.00912	14.6	14.3	.00	29.21	989.3	646.8	.93	139.4
17:00	0.009212	14.6	14.4	.00	29.21	989.1	421.6	.60	44.3
18:00	0.009461	15.1	14.8	.00	29.21	989.3	220.2	.32	356.5
19:00	0.00954	16.9	14.9	.00	29.22	989.5	42.0	.06	3.9
20:00	0.010182	17.0	15.9	.00	29.22	989.7	-1.2	.00	21.9
21:00	0.010882	17.2	17.0	.00	29.25	990.4	-3.0	.00	51.4
22:00	0.01128	17.4	17.7	.00	29.27	991.2	-2.3	.00	68.1
23:00	0.011429	17.6	17.9	.00	29.28	991.7	-1.5	.00	58.1
Avg	0.010284	16.3	16.1	.00	29.25	990.6	263.6	.38	57.0
Max	0.011429	17.6	17.9	.00	29.31	992.4	913.7	1.31	356.5
Hr. of Max	23	23	23	23	10	11	13	13	18
Min	0.00912	14.6	14.3	.00	29.21	989.1	-3.0	.00	3.9
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/05/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/4/2016

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	60.6	62.6	60.0	51.2	38.0	14.0	7.0	1.1	3.0
01:00	55.8	65.5	56.7	53.4	26.4	16.1	8.5	1.3	2.5
02:00	55.1	54.8	86.9	42.9	27.3	14.1	6.8	1.2	2.8
03:00	61.8	64.2	56.3	51.7	57.7	48.7	26.7	.7	1.8
04:00	61.4	61.8	47.5	49.9	17.3	13.5	6.0	1.6	2.6
05:00	62.6	61.1	44.0	49.0	12.3	8.4	6.1	1.6	2.2
06:00	62.6	66.7	52.8	55.0	14.4	7.5	6.6	1.8	3.1
07:00	56.1	61.8	51.5	50.0	14.0	9.7	8.3	1.9	3.2
08:00	68.4	62.7	80.0	51.2	24.0	19.4	14.3	2.7	3.5
09:00	61.2	63.0	65.9	51.6	27.6	18.8	13.1	3.1	4.8
10:00	64.1	63.8	66.4	52.0	34.2	21.5	17.1	3.2	4.4
11:00	53.6	54.6	46.7	41.5	50.9	33.9	26.3	1.8	2.5
12:00	87.6	78.4	110.4	67.1	69.4	55.4	54.3	1.2	1.3
13:00	127.8	115.6	137.4	110.1	54.5	51.4	59.2	1.8	1.7
14:00	36.0	40.3	70.4	27.6	82.4	71.8	58.0	.7	1.6
15:00	41.0	37.6	51.1	24.1	59.7	54.7	51.1	2.0	2.9
16:00	155.5	91.3	145.1	100.7	66.8	65.2	60.7	.4	.2
17:00	47.9	49.0	43.6	33.9	55.8	48.0	47.6	1.6	2.3
18:00	5.3	11.4	355.9	356.2	38.6	22.8	19.7	1.7	3.1
19:00	42.6	55.7	3.1	42.9	25.8	13.5	8.6	1.1	2.6
20:00	70.1	55.5	28.0	41.4	14.9	7.2	7.6	.9	2.0
21:00	69.5	62.8	56.4	51.7	19.1	8.2	3.7	1.2	2.6
22:00	62.1	60.3	74.8	49.1	14.5	7.8	3.4	.9	2.5
23:00	79.0	63.4	60.3	52.2	23.7	12.9	5.0	.9	2.3
Avg	63.0	60.0	60.0	49.0	36.2	26.9	21.9	.0	.0
Max	155.5	115.6	355.9	356.2	82.4	71.8	60.7	3.2	4.8
Hr. of Max	16	13	18	18	14	14	16	10	09
Min	5.3	11.4	3.1	24.1	12.3	7.2	3.4	.4	.2
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/05/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/4/2016

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	5.9	1.3	3.1	5.9	1.5	6.2	1.0	-.2	-.03
01:00	3.7	1.6	2.6	3.8	1.8	4.0	.3	-.2	-.07
02:00	5.1	1.3	2.9	5.1	1.6	5.3	1.5	.6	.02
03:00	2.9	1.8	2.4	3.1	2.0	3.3	-.9	-3.1	-.07
04:00	3.6	1.7	2.7	3.7	1.8	3.8	-.4	-.6	-.05
05:00	3.4	1.7	2.3	3.4	1.8	3.6	.5	.4	.01
06:00	4.1	1.9	3.2	4.1	2.0	4.3	-4.4	-2.0	-.18
07:00	4.1	2.1	3.3	4.1	2.1	4.3	-4.7	-2.4	-.22
08:00	5.1	2.9	3.7	5.2	3.4	5.5	1.9	1.7	.07
09:00	5.7	3.6	5.1	5.9	4.0	6.2	-.9	-.5	-.22
10:00	5.0	3.6	4.8	5.2	4.1	5.7	.0	1.0	-.18
11:00	3.0	2.6	3.0	3.3	3.1	3.9	-2.2	-3.9	-.22
12:00	1.6	2.9	3.4	3.4	3.7	4.0	-3.6	-1.4	-.29
13:00	1.7	3.1	3.2	3.5	3.8	4.3	3.7	-1.4	.15
14:00	2.1	3.0	3.5	3.6	3.6	4.4	2.5	7.6	.13
15:00	3.3	3.3	3.9	4.2	3.9	4.9	-5.0	3.1	-.43
16:00	.4	3.1	3.0	2.9	3.7	3.7	-3.2	1.9	-.26
17:00	2.6	3.1	3.6	3.8	3.5	4.3	-1.7	-1.9	-.22
18:00	3.7	2.1	3.6	4.2	2.5	4.6	-1.5	-1.9	-.22
19:00	3.8	1.2	2.7	3.9	1.4	4.1	-1.9	.3	-.06
20:00	2.6	1.0	2.0	2.7	1.1	2.9	2.1	1.6	.04
21:00	5.0	1.3	2.7	5.0	1.5	5.2	1.3	.7	.03
22:00	6.3	.9	2.6	6.4	1.2	6.6	4.3	.5	.08
23:00	5.1	1.0	2.4	5.1	1.2	5.3	-.1	.6	.00
Avg	.0	2.2	3.2	4.2	2.5	4.6	-.5	.0	-.09
Max	6.3	3.6	5.1	6.4	4.1	6.6	4.3	7.6	.15
Hr. of Max	22	10	09	22	10	22	22	14	13
Min	.4	.9	2.0	2.7	1.1	2.9	-5.0	-3.9	-.43
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 09/05/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/4/2016

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	-.05	4.1	7.1	14.7	13.3	5.3	20.8	21.3
01:00	-.04	4.8	6.0	7.6	8.7	3.6	20.2	20.5
02:00	.03	8.7	11.2	13.3	11.4	5.4	19.9	20.1
03:00	-.10	5.0	9.2	12.4	11.3	13.4	19.6	19.8
04:00	-.04	4.4	5.5	9.4	8.6	3.5	19.3	19.4
05:00	.02	3.0	3.9	6.0	7.6	3.6	18.6	18.9
06:00	-.16	4.8	5.7	10.5	8.2	3.5	18.3	18.5
07:00	-.19	4.1	9.2	9.6	10.0	4.1	18.5	18.3
08:00	.11	7.6	9.2	10.5	19.0	11.4	20.0	19.3
09:00	-.11	9.8	13.1	18.5	19.8	12.3	21.5	20.7
10:00	.07	8.0	14.4	18.8	23.2	16.6	23.2	22.2
11:00	-.34	7.6	9.4	12.4	28.4	26.3	25.1	24.2
12:00	-.21	8.7	9.6	9.8	27.2	31.0	27.4	26.6
13:00	-.25	10.8	10.5	13.1	27.2	31.9	28.8	27.8
14:00	.63	8.2	10.3	10.5	27.8	30.8	30.1	29.1
15:00	.23	8.9	8.9	11.4	22.7	25.7	30.3	29.3
16:00	.11	10.8	8.9	8.9	25.5	33.2	30.9	30.1
17:00	-.23	8.9	10.1	10.5	25.2	26.8	31.1	30.2
18:00	-.12	8.0	7.8	8.5	23.8	16.1	30.8	30.1
19:00	.02	3.2	4.8	6.9	13.6	5.3	29.0	29.5
20:00	.08	2.3	3.9	8.5	7.5	3.7	26.6	27.5
21:00	.04	3.0	4.4	7.8	7.4	2.3	24.7	26.2
22:00	.06	3.0	5.0	12.8	7.4	2.5	23.5	25.3
23:00	.05	2.5	6.4	11.2	8.7	2.6	22.5	23.8
Avg	-.02	6.3	8.1	11.0	16.4	13.4	24.2	24.1
Max	.63	10.8	14.4	18.8	28.4	33.2	31.1	30.2
Hr. of Max	14	16	10	10	11	16	17	17
Min	-.34	2.3	3.9	6.0	7.4	2.3	18.3	18.3
Count	24	24	24	24	24	24	24	24
Total								