Date Printed: 09/22/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/21/2016

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	18.1	20.2	21.2	22.1	2.05	3.07	4.00	1.02	1.96
01:00	17.9	19.7	20.3	21.3	1.80	2.45	3.43	.65	1.63
02:00	17.3	19.5	20.2	21.1	2.16	2.82	3.72	.66	1.57
03:00	17.2	19.3	20.1	21.4	2.06	2.93	4.22	.87	2.16
04:00	17.1	19.2	19.8	20.7	2.04	2.69	3.58	.65	1.54
05:00	16.8	18.8	19.1	19.5	1.97	2.24	2.65	.27	.68
06:00	16.6	18.6	18.8	19.1	2.07	2.26	2.57	.19	.50
07:00	16.1	17.7	18.2	18.7	1.57	2.09	2.55	.51	.98
08:00	18.7	18.9	19.0	19.4	.25	.34	.68	.09	.43
09:00	22.4	22.0	21.7	21.6	-.37	-.62	-.73	-.26	-.37
10:00	25.2	24.4	24.1	23.9	-.73	-1.06	-1.25	-.34	-.52
11:00	27.1	26.1	25.7	25.5	-1.01	-1.37	-1.53	-.37	-.53
12:00	28.7	27.6	27.2	27.0	-1.09	-1.46	-1.63	-.37	-.54
13:00	30.0	28.9	28.5	28.3	-1.13	-1.53	-1.71	-.40	-.57
14:00	30.9	29.8	29.3	29.1	-1.14	-1.61	-1.82	-.47	-.68
15:00	31.5	30.4	29.9	29.7	-1.11	-1.60	-1.85	-.48	-.74
16:00	31.7	30.9	30.5	30.2	-.81	-1.22	-1.45	-.41	-.64
17:00	31.3	30.9	30.5	30.4	-.50	-.80	-.98	-.31	-.48
18:00	29.9	30.1	30.0	30.0	.17	.06	.03	-.11	-.14
19:00	25.7	28.0	28.6	28.9	2.32	2.87	3.23	.56	.91
20:00	22.7	25.2	25.9	27.3	2.44	3.20	4.54	.76	2.10
21:00	21.6	24.4	25.1	26.2	2.78	3.52	4.60	.73	1.82
22:00	20.7	24.2	24.6	25.2	3.50	3.89	4.50	.39	1.00
23:00	20.5	22.9	23.4	23.9	2.33	2.86	3.41	.52	1.07
Avg	23.2	24.1	24.2	24.6	.90	1.08	1.45	.18	.55
Max	31.7	30.9	30.5	30.4	3.50	3.89	4.60	1.02	2.16
Hr. of Max	16	17	17	17	22	22	21	00	03
Min	16.1	17.7	18.2	18.7	-1.14	-1.61	-1.85	-.48	-.74
Count	24	24	24	24	24	24	24	24	24
Total									

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/21/2016

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	16.0	16.2	16.7	25.1	89.3	79.8	13.6	13.7	0.011702
01:00	16.0	16.5	16.6	24.9	90.7	83.5	13.6	13.9	0.011712
02:00	15.8	16.4	16.3	24.7	92.1	83.8	13.4	13.8	0.011499
03:00	15.8	16.3	16.3	24.5	93.1	84.8	13.4	13.8	0.011533
04:00	15.8	16.2	16.3	24.3	93.7	84.6	13.4	13.7	0.011542
05:00	15.6	16.2	16.0	24.1	94.2	86.8	13.3	13.7	0.011382
06:00	15.4	16.2	15.8	24.0	94.4	87.5	13.1	13.7	0.011221
07:00	15.1	16.0	15.4	23.8	95.0	91.4	12.9	13.6	0.010988
08:00	16.3	15.7	17.1	23.6	87.6	83.2	13.8	13.3	0.011883
09:00	16.6	15.8	18.5	23.5	71.5	69.5	13.9	13.2	0.012148
10:00	16.0	15.2	19.0	23.4	58.2	57.9	13.3	12.7	0.011711
11:00	15.4	15.0	19.3	23.6	50.3	51.9	12.8	12.5	0.011342
12:00	15.1	14.7	19.6	23.9	44.9	46.5	12.5	12.2	0.011131
13:00	14.1	13.7	19.4	24.4	39.0	40.4	11.7	11.4	0.010467
14:00	12.7	12.5	18.8	24.9	33.9	35.7	10.7	10.6	0.009572
15:00	12.4	12.0	18.8	25.3	32.1	33.2	10.5	10.2	0.009398
16:00	10.5	9.9	17.5	25.6	28.0	28.2	9.2	8.9	0.008282
17:00	11.2	10.6	17.9	25.8	30.0	29.6	9.7	9.3	0.008677
18:00	12.9	12.3	18.5	25.9	36.2	34.5	10.8	10.4	0.009651
19:00	15.0	13.4	18.5	25.9	53.1	41.8	12.5	11.2	0.011013
20:00	15.7	14.9	18.1	25.9	66.0	54.2	13.1	12.4	0.011518
21:00	16.0	15.8	17.9	25.7	71.8	60.0	13.4	13.1	0.011704
22:00	16.0	15.2	17.6	25.6	76.2	58.7	13.5	12.7	0.011708
23:00	16.0	15.3	17.5	25.4	77.0	64.0	13.5	12.8	0.011737
Avg	14.9	14.7	17.6	24.7	66.6	61.3	12.6	12.4	0.01098
Max	16.6	16.5	19.6	25.9	95.0	91.4	13.9	13.9	0.012148
Hr. of Max	09	01	12	20	07	07	09	01	09
Min	10.5	9.9	15.4	23.4	28.0	28.2	9.2	8.9	0.008282
Count	24	24	24	24	24	24	24	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

9/21/2016

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	0.011888	18.3	18.5	.00	29.19	988.7	-2.1	.00	12.7
01:00	0.012061	18.3	18.8	.00	29.19	988.5	-2.1	.00	60.3
02:00	0.011966	17.9	18.7	.00	29.19	988.6	-1.6	.00	76.0
03:00	0.011951	18.0	18.6	.00	29.19	988.6	-1.7	.00	83.7
04:00	0.011851	18.0	18.5	.00	29.19	988.6	-2.0	.00	86.4
05:00	0.011865	17.8	18.5	.00	29.19	988.6	-2.3	.00	66.0
06:00	0.011844	17.5	18.5	.00	29.20	988.7	-2.4	.00	57.0
07:00	0.011686	17.2	18.2	.00	29.21	989.1	14.5	.02	331.7
08:00	0.011463	18.6	17.9	.00	29.22	989.7	168.4	.24	73.7
09:00	0.011549	19.0	18.0	.00	29.23	990.0	391.3	.56	73.9
10:00	0.01116	18.3	17.5	.00	29.24	990.3	587.7	.84	85.2
11:00	0.011027	17.7	17.2	.00	29.24	990.1	734.1	1.05	91.6
12:00	0.010797	17.4	16.9	.00	29.22	989.6	824.9	1.18	90.4
13:00	0.010163	16.4	15.9	.00	29.20	988.9	854.5	1.22	84.6
14:00	0.009449	15.0	14.8	.00	29.18	988.1	832.2	1.19	47.6
15:00	0.009111	14.7	14.3	.00	29.15	987.3	742.4	1.06	68.7
16:00	0.007957	13.0	12.5	.00	29.15	987.2	599.9	.86	62.9
17:00	0.008339	13.6	13.1	.00	29.15	987.2	292.9	.42	68.8
18:00	0.009312	15.1	14.6	.00	29.15	987.3	133.7	.19	54.4
19:00	0.009964	17.2	15.6	.00	29.15	987.3	12.6	.02	34.6
20:00	0.010944	18.0	17.1	.00	29.16	987.4	-2.2	.00	64.0
21:00	0.011578	18.2	18.1	.00	29.17	987.9	-3.0	.00	76.1
22:00	0.011173	18.3	17.4	.00	29.17	988.0	-2.4	.00	53.9
23:00	0.01125	18.3	17.5	.00	29.17	987.8	-1.5	.00	69.9
Avg	0.010848	17.2	16.9	.00	29.19	988.5	256.9	.37	64.0
Max	0.012061	19.0	18.8	.00	29.24	990.3	854.5	1.22	331.7
Hr. of Max	01	09	01	23	11	10	13	13	07
Min	0.007957	13.0	12.5	.00	29.15	987.2	-3.0	.00	12.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/21/2016

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	70.8	56.1	21.6	43.8	25.1	15.4	4.7	.5	1.7
01:00	49.9	55.9	64.5	43.9	8.3	7.6	4.0	1.4	2.4
02:00	56.4	59.3	85.5	48.0	15.6	7.0	3.7	1.0	3.3
03:00	61.7	55.1	86.3	43.3	12.4	6.7	5.5	1.3	4.0
04:00	56.9	59.4	89.6	47.9	8.1	6.9	3.6	1.8	3.5
05:00	47.8	55.6	67.4	43.4	17.7	18.3	6.0	1.2	2.3
06:00	52.9	57.1	59.8	45.4	17.9	9.4	4.6	1.2	2.8
07:00	39.1	54.4	322.9	40.2	28.4	17.4	8.4	.3	1.4
08:00	59.0	51.8	78.0	38.9	18.2	15.0	10.6	1.9	2.8
09:00	65.9	64.1	77.4	52.7	27.6	20.7	14.5	2.9	3.8
10:00	78.8	71.6	87.7	60.6	20.9	18.4	17.1	5.2	5.7
11:00	81.9	76.6	94.6	64.8	27.4	23.8	19.8	4.6	5.1
12:00	85.2	79.9	91.9	67.4	34.0	32.3	24.9	4.0	4.5
13:00	80.0	75.1	87.5	63.1	32.8	28.1	30.9	4.2	4.7
14:00	50.6	46.2	48.1	33.4	47.0	36.4	32.5	3.4	5.2
15:00	63.2	57.6	70.2	46.2	37.0	26.7	23.4	4.7	6.6
16:00	55.9	54.8	63.4	43.0	27.0	22.9	16.2	5.2	7.5
17:00	63.0	60.0	69.7	48.6	26.9	21.4	15.5	4.9	7.5
18:00	51.9	54.1	58.2	42.3	28.5	16.6	10.5	3.2	6.6
19:00	32.2	39.2	38.2	24.9	17.1	8.9	6.4	1.6	4.4
20:00	68.3	29.3	67.4	13.9	29.2	15.8	9.8	.8	2.4
21:00	66.5	49.3	79.9	36.8	9.7	6.6	6.5	1.6	3.9
22:00	58.1	57.9	57.1	46.5	16.0	9.3	5.3	1.3	4.0
23:00	47.3	54.1	75.8	42.3	18.0	8.5	5.6	1.5	4.2
Avg	60.0	57.0	68.0	45.0	23.0	16.7	12.1	.0	.0
Max	85.2	79.9	322.9	67.4	47.0	36.4	32.5	5.2	7.5
Hr. of Max	12	12	07	12	14	14	14	16	17
Min	32.2	29.3	21.6	13.9	8.1	6.6	3.6	.3	1.4
Count	24	24	24	24	24	24	24	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

9/21/2016

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	4.8	.7	1.8	4.9	1.0	5.1	1.4	.0	.02
01:00	5.0	1.5	2.5	5.0	1.7	5.2	3.1	.1	.08
02:00	6.8	1.0	3.3	6.9	1.2	7.1	3.6	-.8	.07
03:00	6.9	1.4	4.0	6.9	1.6	7.2	4.4	.5	.11
04:00	6.6	1.8	3.6	6.6	2.0	6.8	3.4	-.8	.11
05:00	4.5	1.4	2.4	4.5	1.6	4.7	1.4	-.3	.03
06:00	4.9	1.3	2.9	5.0	1.5	5.2	.6	.6	.00
07:00	2.9	.7	1.4	3.0	1.0	3.2	.2	.8	.01
08:00	4.6	2.0	2.9	4.7	2.1	4.9	-.6	1.2	-.07
09:00	4.9	3.1	4.1	5.0	3.6	5.4	1.3	3.6	-.01
10:00	6.5	5.4	6.0	6.7	5.9	7.2	1.3	4.0	.01
11:00	5.6	5.1	5.6	6.0	5.7	6.5	.8	2.1	.03
12:00	5.2	4.5	5.0	5.6	5.1	6.1	-.1	.7	-.07
13:00	5.2	5.1	5.9	6.4	5.7	6.9	-.1	.8	-.14
14:00	5.9	4.8	6.3	6.9	5.3	7.5	1.3	2.4	-.12
15:00	7.8	5.6	7.4	8.4	6.2	9.0	-.1	.8	-.25
16:00	9.5	5.8	8.0	9.9	6.6	10.6	-1.6	2.9	-.31
17:00	9.8	5.4	8.0	10.1	6.2	10.6	1.4	2.7	-.05
18:00	8.5	3.5	6.9	8.6	3.7	9.0	-1.1	.9	-.25
19:00	6.2	1.7	4.5	6.3	1.9	6.5	-.3	2.0	-.12
20:00	4.9	.9	2.5	5.0	1.1	5.2	4.1	4.0	.07
21:00	6.3	1.6	4.0	6.4	1.8	6.6	2.9	1.2	.07
22:00	7.1	1.5	4.1	7.1	1.6	7.4	1.8	-.5	.03
23:00	6.7	1.7	4.3	6.7	1.8	7.0	1.4	.4	.03
Avg	.0	2.8	4.5	6.4	3.2	6.7	1.3	1.2	-.03
Max	9.8	5.8	8.0	10.1	6.6	10.6	4.4	4.0	.11
Hr. of Max	17	16	17	17	16	17	03	20	04
Min	2.9	.7	1.4	3.0	1.0	3.2	-1.6	-.8	-.31
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/21/2016

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	.01	2.7	3.7	7.1	9.4	3.4	21.2	22.9
01:00	.01	3.9	5.5	11.2	5.6	2.3	20.7	22.2
02:00	-.11	3.2	8.9	12.6	9.4	2.8	20.5	21.9
03:00	.05	2.7	7.6	14.4	9.7	3.4	20.3	22.2
04:00	-.09	4.1	8.5	16.5	6.7	2.3	20.1	21.5
05:00	-.04	3.7	7.8	11.2	7.5	3.9	19.9	20.3
06:00	.04	4.4	8.0	10.8	11.2	3.5	19.7	20.0
07:00	.04	3.0	3.4	8.0	8.7	3.0	18.8	19.6
08:00	.02	5.5	8.2	11.9	14.6	10.2	20.1	20.2
09:00	.16	10.1	9.4	9.4	20.7	15.5	23.1	22.4
10:00	.34	11.0	12.6	12.1	16.8	15.4	25.4	24.6
11:00	.17	10.1	17.2	14.4	16.5	15.6	26.9	26.1
12:00	-.08	11.2	13.7	16.3	20.9	21.0	28.4	27.5
13:00	.06	11.4	13.1	14.2	20.3	19.8	29.6	28.6
14:00	.25	11.7	18.3	17.6	24.4	20.7	30.3	29.2
15:00	-.05	15.6	25.0	27.2	20.0	15.4	30.9	29.7
16:00	.33	15.1	19.5	19.7	19.3	13.6	31.2	30.1
17:00	.24	14.2	19.2	19.9	19.9	12.8	31.3	30.4
18:00	.00	16.7	19.7	25.6	22.2	9.3	30.7	30.1
19:00	.17	5.5	11.2	18.3	14.8	6.1	28.5	29.1
20:00	.36	3.0	7.3	9.8	10.4	6.4	25.9	27.7
21:00	.11	3.4	8.0	10.8	7.7	4.5	25.2	26.7
22:00	-.07	4.6	8.7	14.2	13.6	3.6	25.0	25.7
23:00	.03	3.9	10.5	14.7	12.8	3.6	23.7	24.5
Avg	.08	7.5	11.5	14.5	14.3	9.1	24.9	25.1
Max	.36	16.7	25.0	27.2	24.4	21.0	31.3	30.4
Hr. of Max	20	18	15	15	14	12	17	17
Min	-.11	2.7	3.4	7.1	5.6	2.3	18.8	19.6
Count	24	24	24	24	24	24	24	24
Total								