Date Printed: 09/04/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/3/2016

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	20.0	21.1	21.1	21.2	1.10	1.14	1.25	.03	.14
01:00	18.0	20.0	20.1	20.3	1.96	2.08	2.27	.12	.31
02:00	17.4	19.3	19.4	19.6	1.91	2.04	2.23	.13	.33
03:00	17.3	18.5	18.6	18.9	1.14	1.28	1.61	.14	.48
04:00	16.8	18.2	18.3	18.5	1.35	1.46	1.65	.11	.30
05:00	16.6	17.6	17.6	17.9	.96	1.05	1.30	.09	.34
06:00	16.3	17.3	17.4	17.7	.96	1.09	1.35	.13	.39
07:00	16.2	17.0	17.1	17.3	.82	.87	1.11	.06	.29
08:00	18.0	18.2	18.1	18.1	.13	.07	.10	-.06	-.03
09:00	21.3	20.7	20.3	20.1	-.58	-.95	-1.20	-.37	-.62
10:00	23.1	22.1	21.7	21.5	-.98	-1.36	-1.60	-.38	-.62
11:00	24.8	23.6	23.1	22.8	-1.21	-1.67	-1.93	-.46	-.72
12:00	26.5	25.1	24.7	24.4	-1.39	-1.79	-2.08	-.40	-.69
13:00	28.1	26.7	26.3	26.1	-1.48	-1.85	-2.08	-.37	-.60
14:00	28.8	27.5	27.1	26.9	-1.31	-1.65	-1.87	-.34	-.56
15:00	29.2	28.0	27.6	27.3	-1.18	-1.64	-1.91	-.46	-.74
16:00	29.5	28.5	28.0	27.8	-.98	-1.47	-1.67	-.49	-.69
17:00	29.3	28.5	28.1	27.9	-.77	-1.16	-1.40	-.39	-.63
18:00	28.7	28.3	28.0	27.8	-.42	-.69	-.83	-.27	-.41
19:00	25.6	26.6	26.9	27.0	.97	1.24	1.38	.28	.41
20:00	22.3	24.8	25.0	25.3	2.46	2.65	3.03	.19	.57
21:00	20.9	23.0	23.4	24.0	2.11	2.52	3.09	.41	.97
22:00	20.5	22.1	22.3	22.7	1.62	1.82	2.14	.20	.53
23:00	19.5	21.1	21.3	21.6	1.63	1.79	2.05	.16	.41
Avg	22.3	22.7	22.6	22.6	.37	.29	.33	-.08	-.04
Max	29.5	28.5	28.1	27.9	2.46	2.65	3.09	.41	.97
Hr. of Max	16	17	17	17	20	20	21	21	21
Min	16.2	17.0	17.1	17.3	-1.48	-1.85	-2.08	-.49	-.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)

9/3/2016

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	14.8	14.8	16.5	26.8	73.4	68.8	12.5	12.5	0.010836
01:00	14.7	14.7	15.8	26.6	82.4	73.2	12.5	12.4	0.010759
02:00	14.6	14.7	15.5	26.3	85.1	76.1	12.4	12.4	0.01068
03:00	14.6	14.6	15.5	26.1	85.4	79.9	12.4	12.4	0.010666
04:00	14.3	14.5	15.2	25.8	86.7	80.6	12.2	12.3	0.01051
05:00	14.4	14.6	15.1	25.6	88.3	84.1	12.3	12.4	0.010529
06:00	14.3	14.5	15.0	25.3	89.6	85.4	12.3	12.4	0.01049
07:00	14.4	14.6	15.0	25.1	90.5	87.3	12.3	12.4	0.010501
08:00	15.1	14.7	16.0	24.9	84.4	82.1	12.8	12.5	0.010999
09:00	14.0	13.4	16.5	24.7	64.7	64.4	11.9	11.4	0.010319
10:00	13.2	12.7	16.5	24.6	55.0	56.6	11.2	10.9	0.009765
11:00	13.0	12.7	16.9	24.7	48.9	51.6	11.0	10.8	0.009635
12:00	12.7	12.4	17.3	24.9	43.5	46.3	10.7	10.6	0.009491
13:00	11.7	11.5	17.1	25.4	37.0	39.8	10.0	9.9	0.008898
14:00	11.0	11.2	16.9	26.0	34.0	37.2	9.6	9.7	0.008519
15:00	11.1	11.1	17.1	26.6	33.5	35.8	9.6	9.7	0.008582
16:00	10.7	10.6	16.9	26.9	32.1	33.7	9.4	9.3	0.008354
17:00	11.3	11.1	17.3	27.2	33.7	34.9	9.7	9.7	0.008693
18:00	11.2	11.2	17.0	27.3	34.7	35.6	9.7	9.7	0.008637
19:00	12.7	12.1	17.0	27.4	46.1	41.6	10.8	10.3	0.009508
20:00	13.8	13.3	16.6	27.3	59.9	50.0	11.6	11.2	0.010166
21:00	14.2	13.7	16.4	27.1	66.6	56.8	12.0	11.5	0.010399
22:00	14.1	14.0	16.3	26.9	68.1	61.1	12.0	11.8	0.010368
23:00	14.2	14.1	16.0	26.6	72.9	65.4	12.1	11.9	0.010431
Avg	13.3	13.2	16.3	26.1	62.4	59.5	11.4	11.3	0.009906
Max	15.1	14.8	17.3	27.4	90.5	87.3	12.8	12.5	0.010999
Hr. of Max	08	00	17	19	07	07	08	08	08
Min	10.7	10.6	15.0	24.6	32.1	33.7	9.4	9.3	0.008354
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)

9/3/2016

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	0.01088	16.9	17.0	.00	29.12	986.1	-1.1	.00	54.9
01:00	0.010799	16.8	16.8	.00	29.13	986.4	-2.1	.00	34.3
02:00	0.010759	16.6	16.8	.00	29.12	986.3	-2.6	.00	48.2
03:00	0.010722	16.6	16.7	.00	29.12	986.2	-3.1	.00	42.1
04:00	0.010632	16.4	16.6	.00	29.13	986.5	-3.0	.00	51.9
05:00	0.010662	16.4	16.6	.00	29.14	986.9	-3.1	.00	50.9
06:00	0.010629	16.4	16.6	.00	29.16	987.4	-2.7	.00	57.8
07:00	0.010667	16.4	16.7	.00	29.17	988.0	19.3	.03	38.3
08:00	0.010778	17.2	16.8	.00	29.19	988.5	139.6	.20	65.7
09:00	0.009913	16.1	15.5	.00	29.20	988.9	447.2	.64	72.0
10:00	0.009471	15.3	14.8	.00	29.21	989.2	641.9	.92	83.7
11:00	0.009468	15.1	14.8	.00	29.21	989.1	793.9	1.14	51.0
12:00	0.009308	14.9	14.6	.00	29.19	988.7	893.9	1.28	98.4
13:00	0.008783	13.9	13.8	.00	29.17	988.0	946.3	1.36	98.8
14:00	0.008617	13.3	13.5	.00	29.16	987.6	861.5	1.24	34.5
15:00	0.008571	13.4	13.4	.00	29.15	987.1	669.1	.96	47.0
16:00	0.008295	13.1	13.0	.00	29.13	986.6	601.2	.86	75.1
17:00	0.008593	13.6	13.4	.00	29.14	986.7	348.4	.50	52.7
18:00	0.008627	13.5	13.5	.00	29.14	986.9	226.0	.32	44.8
19:00	0.009145	14.9	14.3	.00	29.15	987.0	45.4	.07	36.3
20:00	0.00985	15.9	15.4	.00	29.16	987.4	-1.7	.00	55.5
21:00	0.010089	16.2	15.8	.00	29.18	988.0	-2.8	.00	43.0
22:00	0.010268	16.2	16.1	.00	29.19	988.5	-2.3	.00	59.8
23:00	0.010342	16.3	16.2	.00	29.20	988.9	-1.6	.00	43.1
Avg	0.009828	15.5	15.4	.00	29.16	987.5	275.3	.40	55.0
Max	0.01088	17.2	17.0	.00	29.21	989.2	946.3	1.36	98.8
Hr. of Max	00	08	00	23	11	10	13	13	13
Min	0.008295	13.1	13.0	.00	29.12	986.1	-3.1	.00	34.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/3/2016

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	61.0	62.1	56.2	50.8	20.4	12.3	8.5	1.8	3.9
01:00	45.8	59.6	34.0	48.3	17.5	11.3	7.6	1.5	3.4
02:00	57.7	61.1	52.6	49.9	20.0	11.8	6.7	1.6	3.9
03:00	51.1	62.2	44.5	51.1	17.9	9.1	5.2	1.9	4.4
04:00	58.1	58.7	56.5	47.7	15.4	10.0	5.3	2.0	4.6
05:00	52.2	59.3	53.6	48.3	16.4	7.9	4.9	2.1	4.8
06:00	59.9	63.0	60.1	52.1	22.1	13.2	7.5	1.9	4.5
07:00	56.1	67.5	38.8	56.4	31.0	21.5	10.6	1.9	3.4
08:00	63.7	60.5	69.7	49.2	23.8	15.5	10.2	2.5	4.6
09:00	67.6	65.3	72.4	54.4	25.7	18.5	12.0	5.0	7.6
10:00	72.5	66.9	86.8	55.7	29.0	26.7	22.6	4.7	5.5
11:00	52.7	54.7	52.5	40.7	50.3	30.3	22.5	2.4	3.4
12:00	93.4	91.4	99.8	79.5	44.8	43.3	37.2	3.1	3.3
13:00	92.4	85.3	104.0	73.0	53.6	53.6	52.2	3.3	3.4
14:00	36.2	45.2	29.1	27.1	65.8	59.5	60.3	1.8	2.3
15:00	43.7	40.0	46.1	25.1	66.2	52.9	45.1	2.5	4.5
16:00	73.5	64.7	76.9	53.7	41.9	36.0	32.1	3.7	5.7
17:00	47.1	46.6	52.3	34.5	46.4	34.0	25.0	3.2	5.1
18:00	41.7	44.1	45.5	31.1	34.9	19.6	14.1	3.3	6.2
19:00	33.2	37.7	37.6	23.7	35.3	11.3	6.8	1.6	5.5
20:00	64.7	51.4	56.6	39.4	13.0	8.7	7.3	2.2	3.7
21:00	62.9	60.5	45.7	49.6	17.4	9.3	3.7	2.2	4.8
22:00	63.9	60.6	63.3	49.7	15.6	10.7	6.1	2.3	5.2
23:00	61.0	62.6	43.8	51.4	16.4	10.1	6.4	2.1	4.3
Avg	58.0	59.0	57.0	47.0	30.9	22.4	17.5	.0	.0
Max	93.4	91.4	104.0	79.5	66.2	59.5	60.3	5.0	7.6
Hr. of Max	12	12	13	12	15	14	14	09	09
Min	33.2	37.7	29.1	23.7	13.0	7.9	3.7	1.5	2.3
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)

9/3/2016

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	5.6	2.1	4.1	5.7	2.2	6.0	-2.2	.6	-.16
01:00	5.1	1.5	3.5	5.1	1.6	5.3	-.5	1.3	-.06
02:00	6.2	1.7	4.0	6.2	1.8	6.4	-1.0	.0	-.07
03:00	6.1	2.0	4.5	6.1	2.1	6.4	-3.5	.2	-.21
04:00	6.9	2.1	4.7	6.9	2.1	7.1	-1.4	.9	-.13
05:00	6.2	2.1	4.8	6.3	2.3	6.5	-3.8	.1	-.20
06:00	6.5	2.0	4.5	6.5	2.1	6.8	-1.4	.9	-.13
07:00	4.8	2.0	3.5	4.9	2.2	5.1	-4.0	.0	-.22
08:00	6.8	2.8	4.8	6.9	3.1	7.3	-1.6	1.5	-.13
09:00	10.0	5.5	8.0	10.2	6.2	10.6	-.9	.2	-.32
10:00	6.3	5.2	6.0	6.8	5.8	7.4	2.6	9.0	.16
11:00	4.2	2.9	3.8	4.4	3.6	5.1	-2.2	-5.4	-.18
12:00	3.8	3.8	4.0	4.4	4.5	5.1	-2.2	-3.8	-.17
13:00	3.5	4.4	4.6	4.7	5.1	5.4	.7	3.1	.07
14:00	2.5	3.5	3.8	3.9	4.1	4.7	-1.6	-6.5	-.22
15:00	5.4	3.8	5.6	6.2	4.5	6.8	.6	-.5	-.29
16:00	6.8	4.6	6.7	7.6	5.5	8.2	-.8	4.8	-.21
17:00	6.7	4.1	5.8	7.2	4.7	7.7	1.2	4.0	-.11
18:00	7.5	3.8	6.5	7.7	4.1	8.1	-.5	1.5	-.28
19:00	7.5	1.8	5.7	7.6	2.4	7.9	-.2	1.5	-.21
20:00	5.3	2.3	3.8	5.4	2.4	5.6	-2.0	.7	-.11
21:00	7.3	2.3	4.8	7.3	2.4	7.6	-3.7	.1	-.23
22:00	8.0	2.4	5.3	8.1	2.6	8.4	-2.1	.7	-.15
23:00	6.5	2.2	4.4	6.5	2.3	6.8	-3.8	-.5	-.21
Avg	.0	3.0	4.9	6.4	3.3	6.8	-1.4	.6	-.16
Max	10.0	5.5	8.0	10.2	6.2	10.6	2.6	9.0	.16
Hr. of Max	09	09	09	09	09	09	10	10	10
Min	2.5	1.5	3.5	3.9	1.6	4.7	-4.0	-6.5	-.32
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/3/2016

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	.02	5.7	8.0	16.5	16.7	6.9	22.1	21.9
01:00	.11	4.4	9.8	10.5	14.6	5.4	20.9	21.0
02:00	-.03	5.0	7.8	14.7	14.4	5.0	20.3	20.3
03:00	.02	4.6	10.8	11.9	14.8	3.8	19.4	19.6
04:00	.08	4.8	9.8	14.0	13.9	4.5	19.2	19.2
05:00	.00	5.3	10.5	13.3	12.6	3.2	18.6	18.6
06:00	.06	5.3	9.8	13.3	15.0	5.8	18.3	18.4
07:00	-.02	4.6	6.4	8.5	11.6	6.0	18.0	18.0
08:00	.12	7.6	12.1	13.5	17.8	8.7	19.2	18.8
09:00	-.09	13.7	15.3	16.9	19.3	10.0	21.6	20.6
10:00	.86	21.3	13.7	24.0	19.0	20.0	22.9	21.9
11:00	-.47	11.2	11.0	16.9	27.0	25.4	24.4	23.3
12:00	-.41	11.7	12.1	11.2	24.5	26.8	25.8	24.8
13:00	.22	11.9	11.4	11.2	23.4	26.0	27.2	26.2
14:00	-.65	14.2	16.7	12.6	27.7	29.0	28.0	27.1
15:00	-.10	13.1	15.6	14.2	26.7	25.3	28.5	27.4
16:00	.45	13.3	25.4	23.8	20.6	18.4	28.9	27.9
17:00	.39	11.4	16.5	17.9	23.0	16.3	29.1	28.0
18:00	.04	11.9	13.3	14.2	23.4	13.0	28.8	28.0
19:00	.17	8.5	12.1	13.5	22.8	5.7	27.2	27.2
20:00	.07	4.4	12.4	19.5	7.7	4.8	25.4	25.7
21:00	.00	6.2	7.1	11.7	10.7	2.6	23.8	24.4
22:00	.08	5.7	9.2	17.2	13.5	4.8	22.9	23.1
23:00	-.09	5.0	7.6	10.8	12.6	4.9	22.0	22.1
Avg	.03	8.8	11.9	14.7	18.1	11.8	23.4	23.1
Max	.86	21.3	25.4	24.0	27.7	29.0	29.1	28.0
Hr. of Max	10	10	16	10	14	14	17	18
Min	-.65	4.4	6.4	8.5	7.7	2.6	18.0	18.0
Count	24	24	24	24	24	24	24	24
Total								