Date Printed: 05/24/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/23/2016

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	12.5	15.1	16.7	18.2	2.57	4.23	5.69	1.65	3.12
01:00	12.8	14.9	16.4	17.4	2.02	3.61	4.53	1.59	2.51
02:00	13.5	14.7	16.1	17.0	1.24	2.60	3.46	1.36	2.22
03:00	12.4	14.0	15.3	16.8	1.63	2.95	4.39	1.32	2.76
04:00	11.3	12.8	14.1	15.9	1.57	2.87	4.62	1.30	3.05
05:00	10.8	12.3	13.0	13.5	1.57	2.23	2.71	.67	1.14
06:00	10.5	12.1	12.4	13.2	1.58	1.93	2.74	.35	1.16
07:00	12.2	12.7	12.8	12.9	.49	.59	.71	.09	.21
08:00	15.5	15.1	14.9	14.7	-.33	-.60	-.76	-.27	-.43
09:00	17.5	16.9	16.6	16.5	-.63	-.92	-1.07	-.29	-.44
10:00	19.7	18.8	18.5	18.3	-.87	-1.19	-1.38	-.33	-.51
11:00	21.8	20.7	20.3	20.1	-1.07	-1.48	-1.72	-.41	-.65
12:00	23.1	21.9	21.4	21.2	-1.21	-1.73	-1.96	-.52	-.76
13:00	23.8	22.6	22.1	22.0	-1.29	-1.69	-1.84	-.41	-.55
14:00	24.1	23.2	22.8	22.7	-.92	-1.29	-1.44	-.37	-.52
15:00	24.9	23.8	23.4	23.2	-1.07	-1.51	-1.69	-.44	-.63
16:00	24.9	24.1	23.7	23.5	-.80	-1.21	-1.40	-.41	-.60
17:00	24.9	24.4	24.0	23.9	-.53	-.88	-1.05	-.34	-.52
18:00	24.6	24.3	24.0	23.9	-.29	-.53	-.64	-.25	-.36
19:00	21.7	23.0	23.4	23.6	1.28	1.72	1.93	.44	.65
20:00	18.2	20.7	21.7	22.0	2.56	3.50	3.87	.94	1.32
21:00	15.8	18.8	19.2	20.2	3.00	3.37	4.40	.37	1.40
22:00	14.3	17.0	17.4	19.2	2.76	3.11	4.96	.36	2.20
23:00	12.9	14.9	15.7	16.7	2.02	2.82	3.85	.80	1.83
Avg	17.7	18.3	18.6	19.0	.64	.94	1.37	.30	.73
Max	24.9	24.4	24.0	23.9	3.00	4.23	5.69	1.65	3.12
Hr. of Max	17	17	18	18	21	00	00	00	00
Min	10.5	12.1	12.4	12.9	-1.29	-1.73	-1.96	-.52	-.76
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)

5/23/2016

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	10.2	9.8	10.9	19.7	86.8	71.9	9.4	9.2	0.007963
01:00	10.6	9.8	11.4	19.5	87.5	72.7	9.7	9.1	0.008212
02:00	11.1	10.0	11.9	19.3	86.6	74.4	10.0	9.3	0.008483
03:00	10.6	10.0	11.2	19.1	90.3	77.8	9.7	9.3	0.008228
04:00	10.0	10.3	10.4	18.9	92.8	85.8	9.3	9.5	0.007853
05:00	9.7	10.4	10.1	18.7	94.2	89.4	9.2	9.6	0.007711
06:00	9.6	10.6	9.9	18.4	95.3	92.2	9.1	9.8	0.007648
07:00	10.9	10.6	11.3	18.2	92.9	88.1	9.9	9.7	0.008361
08:00	11.9	11.1	13.1	18.0	80.6	78.1	10.5	10.0	0.008936
09:00	11.1	10.1	13.2	17.9	67.2	65.3	9.9	9.3	0.008502
10:00	10.7	9.5	13.7	17.9	57.2	55.7	9.6	8.9	0.008286
11:00	9.7	8.3	13.7	18.1	47.1	45.6	8.9	8.1	0.007772
12:00	8.8	7.4	13.6	18.4	40.9	39.9	8.4	7.7	0.007338
13:00	8.8	7.4	13.8	18.9	39.3	38.4	8.4	7.6	0.007368
14:00	7.1	5.7	12.8	19.5	34.5	33.1	7.5	6.8	0.006565
15:00	6.3	4.9	12.5	19.9	31.2	30.1	7.1	6.4	0.006237
16:00	6.4	4.8	12.6	20.3	31.3	29.4	7.1	6.4	0.006263
17:00	6.5	5.3	12.7	20.7	31.6	29.9	7.2	6.6	0.006316
18:00	6.2	4.9	12.3	21.0	31.5	29.3	7.0	6.4	0.006155
19:00	9.5	6.7	13.6	21.1	47.4	35.9	8.9	7.3	0.007724
20:00	10.2	7.5	12.9	21.0	60.9	43.4	9.3	7.7	0.008027
21:00	10.1	9.1	12.0	20.9	70.1	54.2	9.3	8.6	0.007955
22:00	10.2	9.7	11.5	20.7	77.5	63.1	9.4	9.1	0.007962
23:00	9.8	9.6	10.9	20.4	82.7	71.7	9.2	9.0	0.007772
Avg	9.4	8.5	12.2	19.4	64.9	58.1	8.9	8.4	0.007652
Max	11.9	11.1	13.8	21.1	95.3	92.2	10.5	10.0	0.008936
Hr. of Max	08	08	13	19	06	06	08	08	08
Min	6.2	4.8	9.9	17.9	31.2	29.3	7.0	6.4	0.006155
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)

5/23/2016

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	0.007803	12.4	12.2	.00	29.06	984.2	-2.7	.00	244.0
01:00	0.007775	12.8	12.1	.00	29.06	984.1	-2.3	.00	250.9
02:00	0.007902	13.2	12.3	.00	29.05	983.7	-2.1	.00	280.7
03:00	0.007887	12.8	12.3	.00	29.04	983.6	-2.5	.00	267.3
04:00	0.008046	12.3	12.6	.00	29.05	983.7	-2.4	.00	234.8
05:00	0.008115	12.1	12.7	.00	29.07	984.4	-2.3	.00	10.2
06:00	0.008217	12.0	12.8	.00	29.09	985.3	9.0	.01	22.0
07:00	0.008178	13.1	12.8	.00	29.11	985.8	115.2	.17	76.8
08:00	0.00848	14.0	13.3	.00	29.12	986.2	358.1	.51	68.1
09:00	0.007932	13.3	12.4	.00	29.13	986.3	571.7	.82	81.4
10:00	0.007649	13.0	12.0	.00	29.12	986.1	763.2	1.09	92.6
11:00	0.00705	12.2	11.0	.00	29.11	985.8	912.4	1.31	88.4
12:00	0.006649	11.5	10.4	.00	29.10	985.6	998.3	1.43	93.0
13:00	0.006657	11.5	10.4	.00	29.09	985.3	1031.1	1.48	93.4
14:00	0.00595	10.3	9.3	.00	29.09	985.1	921.5	1.32	94.2
15:00	0.005628	9.8	8.8	.00	29.07	984.6	920.0	1.32	99.5
16:00	0.005604	9.8	8.8	.00	29.07	984.3	603.3	.86	116.5
17:00	0.005788	9.9	9.1	.00	29.06	984.2	513.0	.74	97.2
18:00	0.005632	9.6	8.8	.00	29.06	984.2	329.4	.47	85.8
19:00	0.006358	12.1	10.0	.00	29.06	984.3	151.7	.22	3.4
20:00	0.006704	12.5	10.5	.00	29.08	984.7	12.5	.02	339.1
21:00	0.007431	12.4	11.6	.00	29.09	985.1	-2.0	.00	28.0
22:00	0.007742	12.5	12.1	.00	29.11	985.9	-2.4	.00	35.5
23:00	0.007676	12.2	12.0	.00	29.13	986.6	-2.2	.00	249.4
Avg	0.007202	12.0	11.3	.00	29.08	985.0	341.2	.49	62.0
Max	0.00848	14.0	13.3	.00	29.13	986.6	1031.1	1.48	339.1
Hr. of Max	08	08	08	23	23	23	13	13	20
Min	0.005604	9.6	8.8	.00	29.04	983.6	-2.7	.00	3.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/23/2016

Interval: 001h

	41_WDir_035m	42_WDir_060m	46_SWDir_015m	50_Sigma_015m	51_Sigma_035m	52_Sigma_060m	55_RWSpd_015m	56_RWSpd_035m	57_RWSpd_060m
Hour	DEG	DEG	DEG	DEG	DEG	DEG	MPH	MPH	MPH
00:00	256.3	270.7	248.1	15.5	10.2	5.1	2.7	2.7	4.7
01:00	246.4	257.2	251.8	33.5	9.7	4.9	2.2	3.6	4.6
02:00	272.7	300.0	258.2	28.3	43.8	22.0	.7	1.6	2.8
03:00	328.5	328.9	269.6	25.2	22.6	42.0	1.1	.9	2.3
04:00	153.6	274.2	234.7	48.7	55.3	27.9	.7	.4	2.7
05:00	40.8	58.0	7.1	55.5	24.7	22.6	.6	1.7	2.0
06:00	68.2	58.0	23.6	49.3	19.8	17.4	.5	1.5	1.6
07:00	69.1	59.6	85.7	33.4	19.1	8.7	.4	1.4	3.1
08:00	60.4	55.7	74.4	36.3	26.8	18.1	2.0	2.8	3.7
09:00	76.2	71.4	84.7	27.1	20.6	17.5	3.2	4.0	4.5
10:00	86.9	81.5	94.2	24.1	21.8	18.5	4.1	4.7	5.3
11:00	81.3	78.1	89.8	23.8	22.7	19.1	5.5	6.4	7.2
12:00	89.8	88.0	94.1	25.0	24.2	20.2	5.9	7.3	8.4
13:00	95.6	93.9	97.8	36.9	37.6	38.5	4.6	5.5	6.2
14:00	86.4	83.2	92.7	46.8	40.9	29.4	3.5	4.2	4.8
15:00	98.0	96.4	101.5	26.1	23.8	19.4	5.3	6.4	7.3
16:00	118.5	118.3	118.6	39.9	38.0	30.4	2.7	3.3	3.6
17:00	94.9	90.3	102.4	32.2	29.4	24.9	3.3	3.9	4.5
18:00	84.8	85.3	87.0	30.7	28.4	17.5	2.9	3.8	4.4
19:00	48.0	65.7	4.6	28.0	19.2	17.2	1.0	3.2	4.2
20:00	74.0	83.0	338.1	29.7	44.0	20.3	.8	1.4	2.2
21:00	65.3	57.7	39.1	12.1	6.6	5.4	1.0	1.8	2.7
22:00	78.2	42.1	33.6	43.8	6.3	9.8	.6	2.0	1.6
23:00	222.7	222.0	252.1	21.2	53.3	47.9	1.6	1.9	2.6
Avg	81.0	68.0	68.0	32.2	27.0	21.0	.0	.0	.0
Max	328.5	328.9	338.1	55.5	55.3	47.9	5.9	7.3	8.4
Hr. of Max	03	03	20	05	04	23	12	12	12
Min	40.8	42.1	4.6	12.1	6.3	4.9	.4	.4	1.6
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)

5/23/2016

Interval: 001h

	58_WSpd_015m	59_WSpd_035m	60_WSpd_060m	66_HSSpd_015m	67_HSSpd_060m	70_WElev_015m	71_WElev_060m	72_VSSpd_015m	73_VSSpd_060m
Hour	MPH	MPH	MPH	MPH	MPH	DEG	DEG	MPH	MPH
00:00	2.7	2.8	4.8	3.1	4.9	-1.0	1.5	-.06	.12
01:00	2.3	3.7	4.6	2.7	4.8	.5	1.5	-.03	.12
02:00	2.1	3.8	5.2	2.4	5.2	.4	2.3	-.02	.12
03:00	1.3	1.4	3.9	1.6	3.8	.4	2.0	.01	.23
04:00	1.0	1.0	3.5	1.4	3.5	1.2	3.9	.03	.19
05:00	1.3	1.9	2.2	1.5	2.5	1.1	3.4	.03	.12
06:00	.7	1.6	1.7	1.0	2.0	2.5	3.1	.04	.12
07:00	.7	1.5	3.2	1.0	3.4	-.7	-.2	-.03	-.03
08:00	2.3	3.1	3.8	2.8	4.2	3.4	10.6	.03	.72
09:00	3.8	4.4	4.8	4.1	5.2	2.9	1.4	.08	.13
10:00	4.4	5.1	5.6	5.0	6.1	.4	.6	-.06	-.03
11:00	6.0	6.8	7.6	6.5	8.2	.9	1.7	.03	.15
12:00	6.4	7.9	9.0	7.1	9.5	1.4	-.1	.03	-.06
13:00	5.4	6.4	7.1	6.1	7.7	-2.9	-.7	-.17	-.10
14:00	4.2	4.9	5.3	4.8	5.9	-4.6	-7.2	-.35	-.65
15:00	5.8	7.0	7.8	6.8	8.4	1.9	2.6	.09	.15
16:00	3.8	4.3	4.5	4.4	5.2	-.7	-8.2	-.04	-.69
17:00	4.1	4.7	5.3	4.5	5.8	1.5	2.5	-.02	.18
18:00	3.3	4.1	4.6	3.7	5.1	3.0	2.0	.11	.08
19:00	1.7	3.6	4.6	2.0	4.9	-.8	3.4	-.03	.28
20:00	1.0	1.6	2.4	1.2	2.6	1.1	-.6	.02	-.02
21:00	1.0	1.9	2.8	1.2	3.0	2.8	.9	.05	.04
22:00	.8	2.0	1.7	1.1	1.9	1.1	1.7	.02	.06
23:00	1.7	2.1	2.8	2.1	3.2	.6	1.1	.01	.07
Avg	2.8	3.7	4.5	3.3	4.9	.7	1.2	-.01	.05
Max	6.4	7.9	9.0	7.1	9.5	3.4	10.6	.11	.72
Hr. of Max	12	12	12	12	12	08	08	18	08
Min	.7	1.0	1.7	1.0	1.9	-4.6	-8.2	-.35	-.69
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/23/2016

Interval: 001h

	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	82_SPkWsH_015m	83_SPkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	86_SonicTemp_015m	87_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	4.6	8.0	6.9	5.0	6.8	4.4	3.7	15.7	18.6
01:00	5.3	6.4	7.1	5.4	7.1	9.6	3.2	15.4	17.7
02:00	4.6	9.4	12.4	5.6	9.2	9.5	7.8	15.3	17.3
03:00	2.5	8.0	9.2	2.7	8.7	6.4	7.6	14.7	17.2
04:00	3.0	6.4	8.9	3.1	8.5	11.2	14.1	13.5	16.3
05:00	3.9	4.6	5.5	4.3	6.1	9.3	12.6	13.0	14.0
06:00	3.2	3.4	3.4	3.2	3.6	8.7	7.1	12.8	13.8
07:00	3.7	4.8	5.5	4.6	5.8	14.9	7.3	13.5	13.4
08:00	6.9	7.6	8.2	8.1	8.7	24.6	16.9	16.0	15.2
09:00	9.6	8.9	10.8	10.5	10.4	20.8	17.0	17.6	16.8
10:00	9.8	10.1	10.1	10.5	11.3	18.5	17.9	19.4	18.6
11:00	12.8	14.0	13.7	12.7	14.5	16.6	15.2	21.2	20.2
12:00	15.3	16.5	16.3	14.9	17.6	17.9	13.1	22.3	21.2
13:00	13.7	16.5	14.7	16.0	15.6	21.2	21.5	23.0	22.1
14:00	14.0	16.3	17.6	14.3	14.8	23.9	25.1	23.5	22.6
15:00	14.9	15.1	17.9	16.8	18.3	16.4	16.5	24.0	23.0
16:00	14.7	11.4	11.4	10.5	10.9	22.1	23.7	24.2	23.4
17:00	10.3	12.1	11.9	10.5	13.9	21.8	19.1	24.6	23.8
18:00	11.7	12.1	14.4	9.6	11.0	20.7	20.0	24.5	23.8
19:00	6.6	7.1	11.0	6.7	8.3	15.8	10.2	23.3	23.6
20:00	2.7	4.1	6.2	2.9	4.5	11.0	9.2	20.9	22.2
21:00	2.5	3.4	6.4	2.6	4.2	7.2	3.3	19.2	20.5
22:00	2.3	4.1	4.8	2.7	3.3	8.1	5.5	17.5	19.5
23:00	4.4	6.0	5.3	5.0	5.7	9.1	5.4	15.5	17.3
Avg	7.6	9.0	10.0	7.8	9.5	14.6	12.6	18.8	19.3
Max	15.3	16.5	17.9	16.8	18.3	24.6	25.1	24.6	23.8
Hr. of Max	12	13	15	15	15	08	14	17	18
Min	2.3	3.4	3.4	2.6	3.3	4.4	3.2	12.8	13.4
Count	24	24	24	24	24	24	24	24	24
Total									