Date Printed: 08/31/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/30/2016

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	22.8	24.9	25.3	25.7	2.15	2.51	2.92	.36	.78
01:00	22.1	24.3	24.4	24.6	2.19	2.29	2.49	.10	.30
02:00	21.6	23.3	23.6	24.0	1.70	2.07	2.42	.37	.72
03:00	21.0	22.3	22.8	23.4	1.28	1.78	2.35	.50	1.06
04:00	20.7	22.0	22.6	23.0	1.28	1.82	2.28	.54	.99
05:00	20.4	21.4	21.9	22.3	.98	1.46	1.92	.48	.94
06:00	20.2	21.1	21.5	22.0	.85	1.26	1.77	.41	.92
07:00	20.3	21.3	21.7	22.1	.99	1.40	1.78	.41	.79
08:00	22.8	22.7	22.6	22.7	-.08	-.14	-.11	-.06	-.03
09:00	25.4	24.7	24.4	24.2	-.70	-1.02	-1.18	-.31	-.48
10:00	27.1	26.2	25.8	25.6	-.96	-1.34	-1.52	-.37	-.55
11:00	28.8	27.8	27.4	27.3	-1.06	-1.43	-1.57	-.36	-.51
12:00	30.8	29.4	29.1	28.9	-1.30	-1.64	-1.83	-.33	-.53
13:00	32.3	30.9	30.4	30.2	-1.45	-1.90	-2.06	-.45	-.62
14:00	32.8	31.5	31.1	30.9	-1.29	-1.70	-1.86	-.40	-.56
15:00	33.2	32.2	31.9	31.8	-.92	-1.23	-1.36	-.31	-.44
16:00	33.7	32.8	32.5	32.3	-.97	-1.29	-1.44	-.32	-.47
17:00	33.7	33.0	32.7	32.5	-.71	-1.04	-1.19	-.32	-.47
18:00	32.9	32.6	32.4	32.3	-.29	-.51	-.61	-.23	-.32
19:00	29.4	30.5	31.5	31.7	1.17	2.09	2.32	.93	1.15
20:00	26.3	28.6	29.3	30.0	2.22	2.98	3.63	.76	1.41
21:00	24.6	26.6	27.5	28.2	2.04	2.92	3.65	.88	1.60
22:00	23.5	25.4	26.1	27.0	1.90	2.56	3.43	.66	1.54
23:00	22.7	24.5	25.1	26.1	1.79	2.37	3.36	.58	1.57
Avg	26.2	26.7	26.8	27.0	.45	.59	.82	.15	.37
Max	33.7	33.0	32.7	32.5	2.22	2.98	3.65	.93	1.60
Hr. of Max	17	17	17	17	20	20	21	19	21
Min	20.2	21.1	21.5	22.0	-1.45	-1.90	-2.06	-.45	-.62
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/30/2016

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	19.6	20.2	20.6	27.7	84.2	77.2	16.7	17.3	0.014702
01:00	19.6	20.3	20.4	27.5	87.8	80.6	16.8	17.4	0.014728
02:00	19.5	20.3	20.2	27.3	90.1	85.5	16.7	17.5	0.014626
03:00	19.3	20.3	19.8	27.1	91.7	90.9	16.5	17.6	0.014416
04:00	19.2	20.4	19.7	26.9	92.8	92.5	16.4	17.6	0.014339
05:00	18.9	20.2	19.4	26.8	93.1	95.3	16.2	17.5	0.014094
06:00	18.8	20.2	19.3	26.6	93.9	97.4	16.1	17.5	0.01402
07:00	18.9	20.0	19.3	26.4	93.6	94.8	16.1	17.3	0.014057
08:00	19.7	19.4	20.7	26.2	85.0	84.0	16.9	16.6	0.014834
09:00	19.7	19.2	21.6	26.1	72.4	73.2	16.7	16.3	0.014838
10:00	19.2	18.9	21.8	26.0	63.5	66.0	16.1	15.9	0.014388
11:00	18.6	18.4	22.0	26.1	55.5	58.2	15.5	15.4	0.013913
12:00	17.7	17.4	22.1	26.4	47.2	50.0	14.6	14.4	0.013173
13:00	17.7	17.5	22.6	26.8	43.1	46.3	14.5	14.4	0.013183
14:00	17.1	17.2	22.3	27.4	40.4	43.8	14.0	14.1	0.01269
15:00	15.7	15.9	21.5	28.0	36.4	38.7	12.9	13.0	0.011691
16:00	15.7	15.6	21.7	28.3	35.3	36.9	12.9	12.8	0.011713
17:00	15.4	15.3	21.5	28.6	34.6	35.7	12.6	12.5	0.011477
18:00	16.0	15.7	21.7	28.7	37.6	37.5	13.1	12.9	0.011916
19:00	18.0	17.1	21.8	28.8	52.3	46.1	15.0	14.1	0.013475
20:00	19.0	18.1	21.4	28.8	65.8	54.6	16.0	15.0	0.014285
21:00	18.9	18.5	20.8	28.6	72.5	62.8	16.0	15.5	0.014167
22:00	19.0	18.8	20.5	28.4	77.5	68.6	16.1	15.9	0.014217
23:00	19.0	19.1	20.3	28.2	81.4	73.7	16.2	16.2	0.014239
Avg	18.3	18.5	21.0	27.4	67.8	66.3	15.4	15.6	0.013716
Max	19.7	20.4	22.6	28.8	93.9	97.4	16.9	17.6	0.014838
Hr. of Max	09	04	13	20	06	06	08	04	09
Min	15.4	15.3	19.3	26.0	34.6	35.7	12.6	12.5	0.011477
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/30/2016

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	0.015347	22.8	23.8	.00	29.19	988.7	-2.1	.00	53.2
01:00	0.015437	22.9	23.9	.00	29.19	988.4	-2.2	.00	60.1
02:00	0.015398	22.7	23.9	.00	29.18	988.3	-2.9	.00	311.5
03:00	0.015451	22.4	24.0	.00	29.19	988.4	-1.7	.00	307.0
04:00	0.015461	22.3	24.0	.00	29.19	988.4	-2.4	.00	354.3
05:00	0.015328	21.9	23.8	.00	29.19	988.4	-2.7	.00	266.9
06:00	0.015321	21.8	23.8	.00	29.19	988.6	-1.9	.00	257.7
07:00	0.015134	21.9	23.5	.00	29.20	988.8	29.8	.04	57.8
08:00	0.014582	23.0	22.7	.00	29.21	989.2	208.4	.30	83.4
09:00	0.014387	23.1	22.4	.00	29.21	989.4	431.5	.62	86.3
10:00	0.014128	22.4	22.0	.00	29.22	989.4	621.2	.89	49.2
11:00	0.013703	21.6	21.3	.00	29.21	989.2	774.4	1.11	100.4
12:00	0.012947	20.5	20.2	.00	29.20	988.8	870.5	1.25	91.6
13:00	0.013023	20.5	20.3	.00	29.18	988.3	937.3	1.34	110.0
14:00	0.012785	19.7	19.9	.00	29.16	987.5	790.5	1.13	123.2
15:00	0.011788	18.2	18.3	.00	29.13	986.5	718.2	1.03	91.4
16:00	0.011597	18.2	18.0	.00	29.11	985.8	529.2	.76	14.5
17:00	0.011358	17.9	17.7	.00	29.10	985.4	385.7	.55	75.3
18:00	0.011697	18.5	18.2	.00	29.09	985.1	187.5	.27	46.7
19:00	0.012737	20.9	19.8	.00	29.08	984.8	40.2	.06	331.9
20:00	0.013491	22.1	20.9	.00	29.08	984.9	-.6	.00	343.1
21:00	0.013841	21.9	21.4	.00	29.10	985.3	-2.2	.00	29.1
22:00	0.014106	22.0	21.9	.00	29.11	985.7	-2.5	.00	337.8
23:00	0.014361	22.1	22.3	.00	29.12	986.1	-2.6	.00	30.3
Avg	0.013892	21.3	21.6	.00	29.16	987.5	270.9	.39	40.0
Max	0.015461	23.1	24.0	.00	29.22	989.4	937.3	1.34	354.3
Hr. of Max	04	09	04	23	10	10	13	13	04
Min	0.011358	17.9	17.7	.00	29.08	984.8	-2.9	.00	14.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/30/2016

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	55.9	56.9	58.7	45.6	24.7	8.8	6.4	1.6	4.8
01:00	54.0	62.8	61.3	49.9	31.7	15.3	10.2	.8	1.8
02:00	44.7	62.7	303.1	47.8	22.4	16.1	9.1	.4	1.0
03:00	40.4	76.1	306.4	64.6	48.0	54.3	10.1	.5	.9
04:00	64.4	62.6	330.9	50.3	66.9	33.4	7.1	.2	1.6
05:00	48.5	60.9	259.2	42.4	51.2	55.6	11.0	.6	.5
06:00	29.2	43.1	265.5	20.6	64.4	55.1	15.6	.4	.6
07:00	63.5	67.5	39.5	54.9	44.2	20.5	7.4	.4	1.8
08:00	77.8	68.1	90.4	55.5	43.5	21.6	15.4	1.0	2.2
09:00	79.4	71.9	88.1	60.0	31.5	23.6	17.5	2.9	3.4
10:00	48.6	48.2	51.0	36.0	36.4	25.3	21.9	2.6	3.3
11:00	91.7	84.3	101.4	72.4	34.3	32.7	31.2	2.6	2.8
12:00	89.6	79.6	98.5	62.0	67.2	57.7	56.4	1.6	1.8
13:00	110.4	101.0	123.5	90.2	50.6	43.0	43.7	2.1	2.4
14:00	119.5	114.7	126.8	102.8	50.4	44.7	43.5	2.2	2.7
15:00	92.7	77.3	94.6	60.3	62.4	59.7	57.5	1.7	1.8
16:00	17.5	21.9	7.6	4.6	60.9	59.8	58.0	1.2	2.1
17:00	69.7	67.8	74.2	55.9	39.5	31.2	29.7	3.3	4.2
18:00	50.1	51.3	49.7	38.5	36.9	21.8	16.4	2.3	4.2
19:00	15.0	29.2	329.9	14.1	17.7	10.3	7.9	1.5	4.2
20:00	40.1	45.1	343.6	30.3	24.4	14.7	14.6	.7	2.0
21:00	70.0	55.0	20.8	40.3	52.6	25.7	28.7	.7	1.7
22:00	63.6	63.4	330.7	51.4	36.6	19.5	6.9	.7	1.3
23:00	66.4	56.2	35.1	43.2	33.7	10.9	8.2	.7	2.0
Avg	62.0	63.0	38.0	49.0	43.0	31.7	22.3	.0	.0
Max	119.5	114.7	343.6	102.8	67.2	59.8	58.0	3.3	4.8
Hr. of Max	14	14	20	14	12	16	16	17	00
Min	15.0	21.9	7.6	4.6	17.7	8.8	6.4	.2	.5
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)

8/30/2016

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	7.1	1.7	4.9	7.1	1.9	7.4	-.2	1.0	-.08
01:00	3.1	.9	1.8	3.1	1.0	3.3	.4	.6	-.01
02:00	2.0	1.0	1.1	2.0	1.3	2.2	2.2	-.3	.03
03:00	1.8	.9	1.0	1.9	1.2	2.1	.8	.9	.02
04:00	3.4	.9	1.7	3.4	1.3	3.7	2.9	.2	.06
05:00	1.4	.7	.5	1.5	1.0	1.7	1.2	-.3	.02
06:00	1.8	1.1	.9	1.9	1.4	2.1	.7	2.8	.01
07:00	3.5	.6	2.1	3.7	.9	3.9	2.2	.2	.03
08:00	3.5	1.5	2.4	3.7	1.9	4.0	-1.0	1.8	-.08
09:00	4.0	3.2	3.7	4.2	3.7	4.7	3.0	4.7	.16
10:00	3.6	3.3	3.8	4.1	3.7	4.6	-2.6	.1	-.32
11:00	3.1	3.4	3.6	3.7	4.0	4.3	-3.3	-2.8	-.21
12:00	1.9	2.7	2.8	3.0	3.5	3.8	-2.7	-6.7	-.16
13:00	2.5	3.2	3.7	3.7	4.1	4.6	6.7	3.4	.45
14:00	2.9	3.4	3.9	3.9	4.2	4.5	-1.0	-5.1	-.06
15:00	2.0	2.7	3.0	3.3	3.4	4.0	-7.7	-6.2	-.48
16:00	2.7	3.0	3.8	4.1	3.6	4.7	-3.1	.9	-.27
17:00	4.7	4.0	4.9	5.6	4.5	6.1	2.3	4.0	-.03
18:00	5.0	2.8	4.5	5.2	3.3	5.6	-1.1	2.3	-.25
19:00	5.5	1.7	4.4	5.6	1.9	5.9	-2.8	.7	-.13
20:00	3.3	.8	2.1	3.5	1.0	3.7	-2.1	1.9	-.03
21:00	2.5	1.0	1.9	2.8	1.3	3.0	1.6	1.2	.02
22:00	3.2	.9	1.4	3.2	1.1	3.4	1.6	1.0	.03
23:00	3.6	.9	2.2	3.8	1.1	4.0	2.4	1.8	.04
Avg	.0	1.9	2.8	3.7	2.3	4.1	.0	.3	-.05
Max	7.1	4.0	4.9	7.1	4.5	7.4	6.7	4.7	.45
Hr. of Max	00	17	17	00	17	00	13	09	13
Min	1.4	.6	.5	1.5	.9	1.7	-7.7	-6.7	-.48
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/30/2016

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	.10	4.8	8.2	11.4	15.0	4.2	26.4	26.9
01:00	.02	3.9	5.7	7.3	11.5	7.9	25.8	25.8
02:00	-.03	2.7	2.7	6.2	7.4	6.9	24.8	25.2
03:00	.05	2.5	2.3	3.4	7.1	6.8	23.8	24.7
04:00	.01	2.5	4.1	6.2	10.1	3.6	23.6	24.3
05:00	.00	2.3	2.5	6.0	7.9	6.1	22.9	23.6
06:00	.09	2.7	3.7	4.8	6.5	7.9	22.6	23.3
07:00	-.01	4.4	6.4	9.2	10.5	4.8	22.8	23.3
08:00	.07	6.9	9.2	9.6	18.2	12.4	24.3	23.9
09:00	.30	11.4	15.3	12.1	21.7	22.6	26.2	25.4
10:00	-.02	8.2	8.2	8.2	23.3	21.5	27.7	26.7
11:00	-.13	11.2	10.3	9.6	21.7	24.3	29.1	28.2
12:00	-.56	12.1	11.0	10.5	29.5	33.2	30.6	29.7
13:00	.33	10.1	11.7	11.4	27.6	32.3	31.9	30.9
14:00	-.36	9.6	11.4	9.6	23.7	25.5	32.4	31.5
15:00	-.56	9.4	8.9	8.5	27.4	29.3	33.1	32.2
16:00	-.11	8.7	9.8	10.8	23.5	26.4	33.6	32.7
17:00	.34	11.7	11.9	11.2	21.9	18.4	33.8	32.9
18:00	.16	10.1	11.2	14.4	23.0	12.8	33.5	32.7
19:00	.05	4.4	11.9	12.1	13.6	3.8	31.4	32.2
20:00	.16	2.5	8.5	13.3	10.4	5.2	29.6	30.7
21:00	.08	3.4	5.0	7.6	9.0	9.0	27.7	29.0
22:00	.06	3.9	5.3	9.2	7.3	2.3	26.6	28.0
23:00	.12	2.3	4.4	7.8	7.8	2.7	25.9	27.2
Avg	.01	6.3	7.9	9.2	16.1	13.7	27.9	28.0
Max	.34	12.1	15.3	14.4	29.5	33.2	33.8	32.9
Hr. of Max	17	12	09	18	12	12	17	17
Min	-.56	2.3	2.3	3.4	6.5	2.3	22.6	23.3
Count	24	24	24	24	24	24	24	24
Total								