Date Printed: 03/09/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/8/2017

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	10.9	11.2	11.1	11.1	.26	.19	.19	-.07	-.07
01:00	10.3	11.0	10.9	10.9	.68	.63	.62	-.05	-.06
02:00	8.6	10.4	10.8	10.9	1.79	2.19	2.31	.40	.52
03:00	6.2	9.3	9.9	10.5	3.08	3.75	4.33	.67	1.26
04:00	3.6	6.5	7.5	8.6	2.91	3.96	5.00	1.05	2.09
05:00	2.2	4.8	6.3	7.3	2.61	4.13	5.14	1.53	2.54
06:00	1.8	3.9	5.2	6.4	2.15	3.41	4.64	1.26	2.49
07:00	2.1	3.7	4.5	5.9	1.62	2.39	3.79	.77	2.16
08:00	5.9	6.1	6.4	6.9	.10	.42	.95	.32	.85
09:00	10.4	9.9	9.8	9.7	-.44	-.60	-.63	-.17	-.19
10:00	12.7	12.0	11.7	11.6	-.78	-1.08	-1.16	-.30	-.38
11:00	14.6	13.7	13.4	13.3	-.90	-1.23	-1.34	-.33	-.44
12:00	16.0	15.0	14.7	14.6	-.96	-1.29	-1.45	-.33	-.48
13:00	17.4	16.4	16.1	16.0	-.98	-1.31	-1.42	-.33	-.44
14:00	18.4	17.4	17.1	17.0	-.92	-1.24	-1.36	-.32	-.44
15:00	18.8	18.0	17.6	17.5	-.78	-1.15	-1.26	-.37	-.47
16:00	18.8	18.2	17.9	17.8	-.59	-.89	-1.02	-.30	-.43
17:00	18.1	18.2	17.9	17.9	.01	-.22	-.28	-.23	-.29
18:00	14.3	17.2	17.1	17.1	2.82	2.80	2.78	-.02	-.03
19:00	10.2	14.6	15.9	16.3	4.40	5.67	6.04	1.27	1.64
20:00	7.7	11.7	13.4	14.6	4.02	5.68	6.87	1.66	2.85
21:00	6.1	9.8	11.7	13.9	3.71	5.61	7.82	1.90	4.11
22:00	4.6	8.0	9.9	12.5	3.39	5.29	7.87	1.90	4.48
23:00	3.8	6.4	7.9	9.6	2.60	4.12	5.87	1.52	3.27
Avg	10.1	11.4	11.9	12.4	1.24	1.72	2.26	.48	1.02
Max	18.8	18.2	17.9	17.9	4.40	5.68	7.87	1.90	4.48
Hr. of Max	16	17	17	17	19	20	22	22	22
Min	1.8	3.7	4.5	5.9	-.98	-1.31	-1.45	-.37	-.48
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/8/2017

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	6.7	6.4	8.1	12.5	76.3	73.1	7.5	7.3	0.006248
01:00	6.4	5.3	7.7	12.5	77.6	68.6	7.4	6.8	0.006095
02:00	6.8	3.3	7.4	12.3	90.3	62.8	7.7	6.0	0.006298
03:00	4.4	-1.3	5.0	12.2	89.6	48.4	6.5	4.3	0.005302
04:00	2.7	1.4	3.0	12.0	94.5	70.9	5.8	5.3	0.004666
05:00	1.6	.9	1.8	11.8	96.5	76.7	5.4	5.1	0.00431
06:00	1.3	1.6	1.5	11.5	97.5	85.3	5.3	5.4	0.004224
07:00	1.7	1.3	1.8	11.3	97.5	84.7	5.4	5.3	0.004335
08:00	3.9	2.1	4.6	11.0	87.5	76.5	6.3	5.5	0.005079
09:00	4.2	2.6	6.3	10.8	66.9	61.3	6.4	5.7	0.005231
10:00	2.0	.4	5.6	10.8	48.9	46.0	5.4	4.9	0.004487
11:00	-.9	-3.0	4.3	11.0	35.2	32.0	4.4	3.8	0.003664
12:00	-1.4	-3.4	4.4	11.4	31.1	28.4	4.2	3.6	0.003543
13:00	-4.7	-7.0	2.7	11.9	22.6	20.3	3.3	2.8	0.002809
14:00	-7.8	-10.7	.9	12.4	16.8	14.1	2.6	2.1	0.002225
15:00	-8.5	-11.1	.6	12.8	15.5	13.2	2.5	2.0	0.002105
16:00	-8.8	-11.2	.4	13.0	15.1	13.0	2.4	2.0	0.002058
17:00	-8.9	-11.6	.1	13.1	15.7	12.6	2.4	1.9	0.002042
18:00	-4.6	-10.6	1.7	13.2	28.0	14.5	3.4	2.1	0.002809
19:00	-2.1	-8.8	2.0	13.1	42.9	19.8	4.1	2.4	0.00334
20:00	-1.4	-7.2	1.6	13.0	53.2	26.4	4.3	2.8	0.003495
21:00	-1.2	-5.9	1.3	12.8	60.2	33.0	4.4	3.1	0.00355
22:00	-1.0	-4.0	.9	12.6	67.4	43.4	4.4	3.6	0.003583
23:00	-1.2	-1.5	.4	12.3	70.3	57.7	4.4	4.3	0.003521
Avg	-.5	-3.0	3.1	12.1	58.2	45.1	4.8	4.1	0.003959
Max	6.8	6.4	8.1	13.2	97.5	85.3	7.7	7.3	0.006298
Hr. of Max	02	00	00	18	07	06	02	00	02
Min	-8.9	-11.6	.1	10.8	15.1	12.6	2.4	1.9	0.002042
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/8/2017

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	0.006085	9.9	9.6	.00	29.30	992.3	-2.0	.00	248.8
01:00	0.005648	9.6	8.9	.00	29.33	993.3	-2.7	.00	233.5
02:00	0.004941	10.0	7.8	.00	29.37	994.5	-2.2	.00	257.4
03:00	0.003523	8.4	5.6	.00	29.38	994.9	-2.5	.00	353.1
04:00	0.004283	7.4	6.8	.00	29.38	995.0	-2.5	.00	65.3
05:00	0.00411	6.8	6.5	.00	29.39	995.2	-2.4	.00	294.3
06:00	0.004307	6.7	6.8	.00	29.40	995.6	-2.1	.00	92.6
07:00	0.004224	6.9	6.7	.00	29.40	995.8	74.1	.11	152.3
08:00	0.004486	8.1	7.1	.00	29.41	996.0	286.8	.41	187.6
09:00	0.004661	8.3	7.4	.00	29.43	996.7	500.6	.72	202.3
10:00	0.004009	7.1	6.4	.00	29.44	997.1	675.1	.97	233.6
11:00	0.00314	5.8	5.0	.00	29.44	997.1	791.1	1.13	237.8
12:00	0.00304	5.6	4.8	.00	29.43	996.8	834.2	1.20	225.0
13:00	0.002362	4.5	3.8	.00	29.40	995.6	837.5	1.20	267.8
14:00	0.001761	3.5	2.8	.00	29.37	994.6	774.6	1.11	251.2
15:00	0.001712	3.4	2.7	.00	29.35	994.1	641.1	.92	262.9
16:00	0.001707	3.3	2.7	.00	29.35	993.8	435.7	.62	268.7
17:00	0.001643	3.3	2.6	.00	29.35	993.8	166.7	.24	271.2
18:00	0.001773	4.5	2.8	.00	29.35	994.0	20.3	.03	290.6
19:00	0.002039	5.3	3.2	.00	29.37	994.5	-2.0	.00	43.7
20:00	0.002272	5.6	3.6	.00	29.38	995.0	-2.2	.00	124.6
21:00	0.002508	5.6	4.0	.00	29.38	995.0	-2.6	.00	124.7
22:00	0.002912	5.7	4.6	.00	29.38	994.9	-2.3	.00	91.0
23:00	0.003464	5.6	5.5	.00	29.38	995.0	-2.2	.00	66.3
Avg	0.003359	6.3	5.3	.00	29.38	995.0	250.4	.36	234.0
Max	0.006085	10.0	9.6	.00	29.44	997.1	837.5	1.20	353.1
Hr. of Max	00	02	00	23	11	11	13	13	03
Min	0.001643	3.3	2.6	.00	29.30	992.3	-2.7	.00	43.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/8/2017

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	274.8	286.0	249.4	278.8	37.1	31.7	27.0	4.0	5.5
01:00	268.7	288.0	240.2	281.5	42.4	33.3	26.4	2.3	3.0
02:00	279.2	297.6	257.9	289.2	41.2	33.4	27.9	1.5	2.2
03:00	293.0	354.6	299.7	340.9	51.3	33.1	42.0	.6	1.0
04:00	159.4	176.5	345.2	170.0	39.1	33.7	24.0	.1	.5
05:00	265.0	226.5	258.1 +	222.6	65.6	48.1	13.8	.4	1.2
06:00	35.6	312.4	276.8	11.9	43.9	39.7	46.9	.4	.7
07:00	231.4	216.0	243.0	214.0	29.4	19.4	37.2	.0	.8
08:00	229.2	271.5	205.9	265.8	22.9	11.3	16.1	1.2	1.7
09:00	240.7	257.3	209.9 +	251.6	35.3	35.1	30.9	2.5	3.0
10:00	248.6	247.6	233.7	242.2	30.6	23.8	20.1	4.6	5.3
11:00	252.0	251.3	238.2	245.9	46.5	38.2	32.6	4.1	5.1
12:00	235.0	232.5	225.8	227.0	48.0	39.4	33.3	4.4	5.6
13:00	270.7	273.9	266.3	267.8	58.6	47.3	37.5	3.6	5.1
14:00	262.1	266.3	252.8	259.1	46.7	37.5	32.1	4.3	5.5
15:00	271.9	272.4	260.3	265.7	45.9	38.4	33.2	4.7	6.0
16:00	274.2	275.6	267.1	269.4	35.6	28.0	22.8	4.9	6.4
17:00	289.9	294.3	269.8	286.6	56.9	36.5	29.2	2.9	4.4
18:00	298.5	300.7	283.8	292.7	19.7	14.9	14.5	2.2	3.7
19:00	297.8	294.9	280.9	287.4	24.2	14.4	11.4	.7	1.8
20:00	251.1	255.0	266.5	249.3	19.6	22.1	22.6	.2	.9
21:00	285.7	274.4	243.8	265.4	27.6	32.9	17.6	.3	.6
22:00	256.6	235.7	83.8	231.4	19.1	36.4	11.3	.2	.4
23:00	347.0	209.6	51.3	205.3	10.3	58.5	13.5	.4	.4
Avg	268.0	265.0	257.0	260.0	37.4	32.8	26.0	.0	.0
Max	347.0	354.6	345.2	340.9	65.6	58.5	46.9	4.9	6.4
Hr. of Max	23	03	04	03	05	23	06	16	16
Min	35.6	176.5	51.3	11.9	10.3	11.3	11.3	.0	.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/8/2017

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	6.9	4.8	6.1	7.4	5.4	8.0	1.7	-.6	-.07
01:00	4.0	2.6	3.3	4.4	3.2	4.8	.3	-1.0	-.02
02:00	3.1	2.0	2.7	3.5	2.4	3.8	-1.0	1.1	-.06
03:00	1.7	1.1	1.5	2.4	1.5	2.7	1.8	-1.1	.05
04:00	1.7	.7	1.2	1.9	1.1	2.2	-1.3	-1.2	-.02
05:00	2.9	.8	1.5	3.0	1.3	3.2	1.6	-1.4	.04
06:00	.2	.9	1.0	.8	1.4	1.1	2.4	1.2	.05
07:00	1.5	.1	.8	1.6	.8	1.9	2.7	-.5	.04
08:00	1.5	1.3	1.8	1.7	1.8	1.8	.4	-1.1	.02
09:00	3.5	3.0	3.4	3.9	3.5	4.3	.5	.1	-.01
10:00	6.1	5.2	5.8	6.5	5.7	7.1	-.1	1.5	-.09
11:00	5.5	5.3	6.1	6.3	5.8	7.0	4.0	2.0	.15
12:00	6.4	5.9	7.2	7.7	6.4	8.3	3.2	-.7	.22
13:00	6.1	5.8	6.9	7.6	6.3	8.3	-.6	-2.6	-.28
14:00	6.2	6.2	7.4	7.8	6.8	8.5	.0	-1.0	-.18
15:00	6.7	5.9	7.2	7.8	6.3	8.3	-.2	-2.3	-.27
16:00	7.3	5.8	7.3	8.2	6.3	8.7	-2.3	-3.0	-.45
17:00	5.0	3.5	4.9	5.5	4.0	5.9	1.3	4.5	-.13
18:00	4.7	2.5	3.9	4.9	2.6	5.0	-3.2	-3.6	-.19
19:00	3.2	.7	1.9	3.4	1.2	3.5	1.9	-.7	.01
20:00	1.9	.2	.9	2.0	.8	2.2	2.6	-1.0	.04
21:00	1.5	.3	.6	1.7	.8	1.9	2.5	.7	.04
22:00	1.9	.2	.7	2.1	.7	2.2	2.6	.1	.04
23:00	1.9	.4	.6	2.1	.7	2.2	2.0	-1.5	.02
Avg	.0	2.7	3.5	4.3	3.2	4.7	1.0	-.5	-.04
Max	7.3	6.2	7.4	8.2	6.8	8.7	4.0	4.5	.22
Hr. of Max	16	14	14	16	14	16	11	17	12
Min	.2	.1	.6	.8	.7	1.1	-3.2	-3.6	-.45
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/8/2017

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	-.53	18.3	21.3	39.6	19.9	20.7	11.7	11.2
01:00	-.35	11.2	10.5	12.1	17.1	19.6	11.4	11.0
02:00	-.04	9.4	13.3	15.6	12.4	17.5	10.6	10.8
03:00	-.12	6.6	9.6	10.3	16.2	14.7	9.2	10.2
04:00	-.03	2.7	3.9	4.6	9.5	9.5	6.6	8.5
05:00	-.08	2.7	3.9	7.3	8.0	3.4	4.9	7.4
06:00	.04	4.1	3.2	3.2	10.5	15.2	4.0	6.3
07:00	-.01	.9	2.5	3.0	7.7	9.5	4.0	5.9
08:00	-.05	3.4	3.7	4.6	12.4	10.1	6.2	6.9
09:00	-.22	8.7	9.8	9.8	19.3	20.2	10.1	9.6
10:00	.06	11.9	12.6	12.1	17.1	17.0	12.0	11.1
11:00	-.06	13.3	13.7	13.3	21.6	21.1	13.6	12.7
12:00	-.29	14.4	16.0	15.6	21.9	19.4	14.9	13.9
13:00	-.77	18.3	16.0	26.6	20.2	20.6	16.2	15.3
14:00	-.20	17.6	19.7	22.7	21.2	21.8	17.1	16.2
15:00	-.57	24.3	22.9	22.0	19.5	18.4	17.6	16.7
16:00	-.72	17.9	16.7	18.5	17.2	16.5	17.9	17.1
17:00	.04	9.8	13.3	13.7	23.9	21.1	18.0	17.3
18:00	-.48	13.5	19.0	20.8	11.9	12.5	17.0	16.6
19:00	-.10	7.6	7.6	10.5	13.1	7.8	14.3	15.9
20:00	-.04	1.4	2.3	4.4	7.1	5.7	11.5	14.3
21:00	.03	1.8	2.7	3.4	5.6	5.5	9.7	13.7
22:00	.01	1.4	4.8	4.8	6.8	2.6	7.9	12.4
23:00	-.05	2.3	2.5	4.8	6.7	3.2	6.4	9.7
Avg	-.19	9.3	10.5	12.6	14.5	13.9	11.4	12.1
Max	.06	24.3	22.9	39.6	23.9	21.8	18.0	17.3
Hr. of Max	10	15	15	00	17	14	17	17
Min	-.77	.9	2.3	3.0	5.6	2.6	4.0	5.9
Count	24	24	24	24	24	24	24	24
Total								