Date Printed: 03/17/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/16/2017

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	-3.9	-1.1	-.9	-.9	2.77	2.96	2.98	.19	.21
01:00	-4.9	-2.2	-1.6	-1.3	2.65	3.26	3.59	.61	.94
02:00	-5.7	-2.7	-1.7	-1.6	2.98	3.99	4.06	1.01	1.09
03:00	-6.4	-3.9	-2.6	-2.3	2.52	3.78	4.10	1.26	1.59
04:00	-6.7	-4.6	-3.8	-3.2	2.08	2.88	3.49	.80	1.41
05:00	-7.4	-5.1	-4.0	-3.1	2.25	3.38	4.26	1.13	2.01
06:00	-7.7	-5.8	-5.0	-3.7	1.97	2.78	4.05	.81	2.08
07:00	-8.1	-6.3	-5.5	-4.7	1.80	2.66	3.41	.86	1.61
08:00	-6.7	-5.8	-5.4	-4.8	.88	1.31	1.94	.43	1.05
09:00	-2.7	-3.1	-3.2	-3.0	-.37	-.45	-.31	-.08	.06
10:00	.1	-.5	-.9	-1.0	-.61	-.94	-1.10	-.33	-.49
11:00	1.6	.7	.3	.2	-.83	-1.21	-1.38	-.38	-.55
12:00	3.4	2.4	2.1	1.9	-1.02	-1.38	-1.58	-.36	-.56
13:00	4.8	3.7	3.3	3.2	-1.03	-1.44	-1.59	-.40	-.55
14:00	6.3	5.1	4.8	4.7	-1.15	-1.46	-1.62	-.31	-.47
15:00	7.7	6.6	6.2	6.1	-1.05	-1.44	-1.61	-.40	-.57
16:00	8.8	7.8	7.4	7.2	-.98	-1.35	-1.52	-.37	-.54
17:00	9.0	8.3	8.0	7.8	-.70	-1.02	-1.18	-.31	-.47
18:00	8.9	8.6	8.3	8.1	-.31	-.58	-.74	-.28	-.44
19:00	6.4	7.9	7.9	8.0	1.51	1.52	1.55	.01	.04
20:00	2.5	5.9	6.6	7.1	3.38	4.08	4.55	.70	1.17
21:00	.8	3.7	4.6	5.8	2.91	3.80	4.94	.89	2.03
22:00	-.4	2.1	3.4	5.2	2.50	3.72	5.60	1.22	3.09
23:00	-1.2	1.1	2.4	3.8	2.26	3.62	4.97	1.36	2.71
Avg	-.1	1.0	1.3	1.6	1.02	1.35	1.70	.34	.69
Max	9.0	8.6	8.3	8.1	3.38	4.08	5.60	1.36	3.09
Hr. of Max	17	18	18	18	20	20	22	23	22
Min	-8.1	-6.3	-5.5	-4.8	-1.15	-1.46	-1.62	-.40	-.57
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)

3/16/2017

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	-10.1	-14.2	-8.1	6.6	62.1	36.7	2.3	1.6	0.001775
01:00	-9.5	-13.0	-8.0	6.4	70.3	43.8	2.4	1.8	0.001865
02:00	-9.9	-13.1	-8.5	6.2	72.6	45.3	2.3	1.8	0.001809
03:00	-10.1	-12.1	-8.8	6.0	75.4	53.0	2.3	2.0	0.001782
04:00	-9.9	-10.8	-8.8	5.8	78.7	62.5	2.4	2.2	0.001812
05:00	-10.3	-11.3	-9.3	5.6	80.2	62.6	2.3	2.1	0.001752
06:00	-10.3	-10.8	-9.5	5.4	81.9	67.7	2.3	2.2	0.001743
07:00	-10.7	-11.8	-9.8	5.2	82.3	65.6	2.2	2.0	0.001697
08:00	-9.8	-11.3	-8.8	5.1	78.8	65.6	2.4	2.1	0.001814
09:00	-8.5	-10.1	-6.5	4.9	65.3	59.1	2.6	2.3	0.002024
10:00	-10.9	-12.8	-7.2	4.9	44.1	39.7	2.1	1.8	0.001683
11:00	-12.0	-13.6	-7.5	5.0	36.1	33.7	1.9	1.7	0.001538
12:00	-12.2	-14.4	-7.0	5.3	31.3	28.2	1.9	1.6	0.001528
13:00	-12.8	-14.9	-6.9	5.8	27.3	24.8	1.8	1.5	0.001462
14:00	-13.0	-14.9	-6.6	6.4	24.1	22.3	1.8	1.5	0.001441
15:00	-13.3	-15.4	-6.3	7.0	21.5	19.5	1.7	1.5	0.001409
16:00	-14.0	-16.6	-6.4	7.5	18.9	16.3	1.6	1.3	0.001338
17:00	-14.1	-16.3	-6.4	7.8	18.4	16.2	1.6	1.4	0.001325
18:00	-14.2	-16.1	-6.5	8.0	18.4	16.1	1.6	1.4	0.001314
19:00	-11.4	-14.7	-5.4	8.1	28.1	18.9	2.0	1.6	0.001652
20:00	-8.8	-13.5	-5.0	8.2	43.5	23.8	2.5	1.7	0.00199
21:00	-8.3	-10.0	-5.3	8.1	51.0	36.8	2.6	2.3	0.002063
22:00	-8.1	-9.3	-5.5	8.0	56.2	43.3	2.6	2.4	0.002088
23:00	-7.8	-8.9	-5.6	7.8	61.0	47.9	2.7	2.5	0.002132
Avg	-10.8	-12.9	-7.2	6.5	51.1	39.6	2.2	1.8	0.00171
Max	-7.8	-8.9	-5.0	8.2	82.3	67.7	2.7	2.5	0.002132
Hr. of Max	23	23	20	20	07	06	23	23	23
Min	-14.2	-16.6	-9.8	4.9	18.4	16.1	1.6	1.3	0.001314
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)

3/16/2017

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	0.001291	2.8	2.1	.00	29.43	996.6	-2.6	.00	251.6
01:00	0.001417	3.0	2.3	.00	29.42	996.3	-2.6	.00	329.5
02:00	0.001411	2.9	2.3	.00	29.43	996.8	-2.5	.00	284.8
03:00	0.001517	2.8	2.4	.00	29.44	997.0	-2.6	.00	325.6
04:00	0.001685	2.9	2.7	.00	29.42	996.2	-2.7	.00	72.5
05:00	0.001623	2.8	2.6	.00	29.43	996.6	-2.3	.00	28.5
06:00	0.001678	2.8	2.7	.00	29.45	997.3	-2.3	.00	337.2
07:00	0.001554	2.7	2.5	.00	29.46	997.8	.5	.00	158.3
08:00	0.001618	2.9	2.6	.00	29.48	998.2	151.8	.22	173.2
09:00	0.001781	3.2	2.9	.00	29.49	998.9	384.7	.55	178.0
10:00	0.001449	2.7	2.3	.00	29.50	999.0	562.4	.81	129.7
11:00	0.001352	2.5	2.2	.00	29.49	998.7	733.9	1.05	134.1
12:00	0.001279	2.4	2.0	.00	29.48	998.4	843.0	1.21	170.9
13:00	0.001232	2.3	2.0	.00	29.47	998.0	894.3	1.28	208.1
14:00	0.001227	2.3	2.0	.00	29.44	997.1	888.2	1.27	250.2
15:00	0.001188	2.3	1.9	.00	29.41	996.1	817.7	1.17	181.0
16:00	0.00108	2.1	1.7	.00	29.39	995.4	685.1	.98	198.4
17:00	0.001112	2.1	1.8	.00	29.38	994.9	455.4	.65	202.8
18:00	0.001124	2.1	1.8	.00	29.38	994.8	174.2	.25	199.1
19:00	0.001263	2.6	2.0	.00	29.39	995.2	27.1	.04	233.1
20:00	0.001381	3.2	2.2	.00	29.39	995.3	-2.5	.00	33.3
21:00	0.001827	3.3	2.9	.00	29.40	995.6	-2.4	.00	78.8
22:00	0.001924	3.3	3.1	.00	29.40	995.7	-2.3	.00	74.1
23:00	0.001973	3.4	3.1	.00	29.40	995.7	-2.5	.00	55.4
Avg	0.001458	2.7	2.3	.00	29.43	996.7	274.6	.40	177.0
Max	0.001973	3.4	3.1	.00	29.50	999.0	894.3	1.28	337.2
Hr. of Max	23	23	23	23	10	10	13	13	06
Min	0.00108	2.1	1.7	.00	29.38	994.8	-2.7	.00	28.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/16/2017

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	270.7	287.5	253.2	279.9	27.5	20.5	25.8	1.5	3.1
01:00	244.0	233.0	306.4	227.7	29.9	34.0	19.1	1.1	1.3
02:00	289.2	291.4	275.2	284.1	18.3	8.7	6.2	1.4	3.6
03:00	275.8	277.4	287.3	271.4	57.1	14.3	9.5	.4	2.4
04:00	57.3	47.4	57.5	40.2	17.5	19.4	50.3	.5	.8
05:00	327.7	260.9	343.7	247.3	51.8	27.6	35.5	.5	.3
06:00	253.7	300.1	277.8	289.9	50.4	50.3	16.7	.3	.5
07:00	245.4	248.7	251.6	249.0	43.3	18.7	14.8	.3	.7
08:00	237.5	223.5	206.8	219.8	36.8	12.0	5.9	.5	1.8
09:00	214.8	234.1	185.0	228.8	17.8	18.4	21.8	2.1	2.3
10:00	136.5	116.3	143.6 +	114.1	40.9	42.8	41.6	.4	.4
11:00	142.0	123.0	140.1	110.8	63.2	69.0	59.7	1.5	1.3
12:00	179.1	174.4	185.9	175.7	59.7	57.7	49.9	1.4	1.1
13:00	263.0	263.7	219.5	264.1	58.4	54.0	55.8	1.1	1.3
14:00	270.5	275.4	256.6	268.8	75.6	65.2	60.0	2.2	2.8
15:00	208.2	211.1	195.4	212.6	71.0	64.9	60.5	1.3	1.5
16:00	220.1	228.1	204.4	227.0	42.6	46.2	48.9	2.8	3.0
17:00	215.1	216.7	206.9	209.9	33.5	32.6	31.1	3.5	4.1
18:00	208.0	205.5	203.3	201.0	24.3	25.2	22.8	3.5	4.2
19:00	226.4	223.1	238.5	219.7	16.1	9.1	6.5	2.3	4.4
20:00	156.3	189.6	5.3	182.7	21.4	60.4	19.0	.3	.2
21:00	47.4	160.1	60.5	150.8	4.6	12.2	24.1	.6	1.3
22:00	40.5	14.4	75.4	2.4	10.1	17.7	16.3	.8	1.4
23:00	61.2	62.4	40.0	62.6	40.1	10.9	31.6	.9	2.0
Avg	230.0	232.0	228.0	228.0	38.0	33.0	30.6	.0	.0
Max	327.7	300.1	343.7	289.9	75.6	69.0	60.5	3.5	4.4
Hr. of Max	05	06	05	06	14	11	15	18	19
Min	40.5	14.4	5.3	2.4	4.6	8.7	5.9	.3	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/16/2017

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	4.8	2.0	3.4	5.0	2.3	5.1	-.5	-.4	-.06
01:00	2.0	1.3	1.5	2.6	1.5	2.8	1.0	-1.4	.01
02:00	5.6	1.5	3.6	5.6	1.7	5.4	1.4	.7	.03
03:00	4.1	.6	2.6	4.3	.9	4.2	2.5	3.1	.04
04:00	.2	.5	.9	.8	.9	1.0	1.9	-.1	.03
05:00	1.2	1.2	1.4	1.6	1.5	1.8	1.4	-3.8	.01
06:00	1.0	.5	1.1	1.4	.8	1.6	.7	.8	.02
07:00	.8	.4	.7	.9	1.0	1.1	2.1	-.6	.04
08:00	1.9	.5	1.9	1.9	1.2	2.1	2.8	-.3	.04
09:00	2.2	2.3	2.5	2.5	2.7	2.8	1.0	1.7	.04
10:00	.6	2.4	2.5	2.7	3.0	3.3	1.6	-.7	.03
11:00	1.3	3.2	2.8	2.8	3.8	3.5	4.5	5.2	.24
12:00	.6	3.5	3.7	3.5	4.3	4.3	-1.1	-6.4	-.04
13:00	1.4	3.7	3.9	3.9	4.3	4.8	-3.6	-13.8	-.26
14:00	3.0	4.2	4.5	4.6	4.8	5.4	-2.1	-.6	-.21
15:00	1.7	4.5	5.2	5.3	5.2	6.1	.8	2.7	-.02
16:00	3.2	3.5	3.8	3.9	4.2	4.7	-1.2	-1.3	-.06
17:00	4.4	4.4	4.8	5.1	4.8	5.7	-1.1	-2.8	-.15
18:00	4.8	4.0	4.7	5.2	4.4	5.7	1.8	1.7	.05
19:00	5.6	2.5	4.5	5.6	3.0	6.0	-.9	-1.2	-.06
20:00	1.9	.5	.6	2.2	.8	2.4	2.4	.8	.04
21:00	.4	.6	1.4	.8	.9	1.1	4.0	-1.8	.06
22:00	1.5	.8	1.6	1.7	1.1	2.0	2.3	.3	.04
23:00	1.5	1.1	2.2	1.6	1.4	1.8	.9	1.4	.02
Avg	.0	2.1	2.7	3.1	2.5	3.5	.9	-.7	-.01
Max	5.6	4.5	5.2	5.6	5.2	6.1	4.5	5.2	.24
Hr. of Max	19	15	15	19	15	15	11	11	11
Min	.2	.4	.6	.8	.8	1.0	-3.6	-13.8	-.26
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/16/2017

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	-.21	5.7	8.2	13.5	13.2	14.3	-1.1	-1.2
01:00	-.05	2.7	6.0	7.3	11.0	12.6	-2.3	-1.5
02:00	.04	5.0	8.2	11.9	12.3	5.3	-3.0	-1.9
03:00	.20	3.0	8.2	11.0	13.6	5.4	-4.0	-2.5
04:00	.01	2.3	1.8	6.0	9.9	12.2	-4.7	-3.5
05:00	-.06	3.7	3.4	4.1	7.5	12.9	-5.2	-3.3
06:00	.03	2.5	4.1	3.4	6.5	6.7	-5.8	-3.9
07:00	.00	2.3	3.2	3.0	7.4	7.7	-6.3	-4.9
08:00	-.02	3.4	4.1	3.4	9.6	3.6	-5.8	-5.0
09:00	.08	4.6	4.8	4.8	15.1	15.8	-3.1	-3.4
10:00	-.02	10.1	8.7	8.7	28.5	30.5	-.5	-1.3
11:00	.39	9.2	10.5	13.1	25.6	33.9	.6	-.1
12:00	-.57	12.4	12.6	8.7	26.5	31.0	2.2	1.3
13:00	-1.37	17.4	14.9	11.2	28.0	30.6	3.5	2.6
14:00	-.18	12.4	13.7	11.9	24.5	28.7	4.9	4.0
15:00	.25	13.5	15.8	18.8	25.7	27.3	6.4	5.4
16:00	-.11	11.2	11.2	12.8	24.4	30.0	7.4	6.6
17:00	-.31	12.1	12.1	11.4	18.3	22.1	8.1	7.3
18:00	.04	11.0	10.5	11.0	16.2	17.3	8.4	7.7
19:00	-.14	7.3	10.5	11.9	9.6	4.7	7.8	7.6
20:00	.01	2.3	4.4	5.5	10.7	7.8	5.6	6.7
21:00	-.05	1.8	2.7	3.4	9.8	12.6	3.6	5.4
22:00	.05	2.1	3.7	3.9	8.5	9.7	2.0	4.9
23:00	.05	2.5	3.9	3.7	10.4	8.8	.9	3.5
Avg	-.08	6.7	7.8	8.5	15.5	16.3	.8	1.3
Max	.39	17.4	15.8	18.8	28.5	33.9	8.4	7.7
Hr. of Max	11	13	15	15	10	11	18	18
Min	-1.37	1.8	1.8	3.0	6.5	3.6	-6.3	-5.0
Count	24	24	24	24	24	24	24	24
Total								