Date Printed: 02/05/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

2/4/2017

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	-2.3	-1.8	-1.9	-1.9	.53	.47	.42	-.06	-.10
01:00	-2.7	-2.3	-2.4	-2.5	.36	.27	.21	-.09	-.15
02:00	-3.4	-3.0	-3.1	-3.1	.39	.29	.23	-.10	-.16
03:00	-3.9	-3.6	-3.6	-3.7	.35	.28	.23	-.07	-.12
04:00	-4.4	-3.9	-4.0	-4.0	.50	.48	.45	-.01	-.04
05:00	-4.5	-4.1	-4.2	-4.2	.37	.30	.26	-.07	-.12
06:00	-4.9	-4.5	-4.5	-4.6	.37	.32	.29	-.05	-.08
07:00	-5.2	-4.7	-4.8	-4.9	.46	.39	.34	-.07	-.12
08:00	-4.1	-4.2	-4.4	-4.6	-.11	-.33	-.48	-.22	-.37
09:00	-2.3	-2.8	-3.2	-3.5	-.50	-.89	-1.18	-.39	-.69
10:00	-1.0	-1.6	-2.1	-2.5	-.66	-1.15	-1.49	-.49	-.83
11:00	.8	.0	-.4	-.7	-.87	-1.22	-1.53	-.36	-.66
12:00	2.7	1.9	1.4	1.1	-.87	-1.35	-1.68	-.48	-.81
13:00	4.6	3.7	3.4	3.1	-.91	-1.27	-1.54	-.35	-.63
14:00	6.3	5.4	5.1	4.9	-.84	-1.13	-1.34	-.29	-.50
15:00	7.5	6.7	6.4	6.2	-.73	-1.06	-1.23	-.33	-.50
16:00	7.6	7.2	6.9	6.7	-.42	-.69	-.91	-.27	-.49
17:00	6.6	7.0	6.8	6.7	.36	.19	.10	-.16	-.26
18:00	2.7	5.2	5.6	5.7	2.51	2.86	2.96	.35	.45
19:00	.5	3.2	4.1	4.8	2.63	3.60	4.32	.98	1.69
20:00	-1.0	1.8	3.0	4.3	2.80	4.02	5.29	1.22	2.49
21:00	-1.2	.7	1.8	3.6	1.96	3.00	4.81	1.04	2.85
22:00	.4	2.4	4.2	4.7	1.98	3.85	4.32	1.87	2.34
23:00	2.4	4.3	4.6	4.7	1.94	2.22	2.31	.28	.37
Avg	.1	.5	.6	.7	.48	.56	.63	.08	.15
Max	7.6	7.2	6.9	6.7	2.80	4.02	5.29	1.87	2.85
Hr. of Max	16	16	16	17	20	20	20	22	21
Min	-5.2	-4.7	-4.8	-4.9	-.91	-1.35	-1.68	-.49	-.83
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)

2/4/2017

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	-12.5	-14.2	-9.1	6.9	45.9	38.6	1.9	1.6	0.001467
01:00	-13.4	-14.6	-9.9	6.7	43.9	38.8	1.8	1.6	0.001365
02:00	-13.3	-14.5	-10.0	6.4	46.7	40.9	1.8	1.6	0.001382
03:00	-13.2	-14.3	-10.1	6.2	48.8	43.6	1.8	1.6	0.001387
04:00	-12.9	-14.0	-10.1	5.9	51.9	45.7	1.8	1.7	0.001417
05:00	-12.9	-13.9	-10.1	5.7	52.1	47.0	1.8	1.7	0.001418
06:00	-12.8	-13.6	-10.2	5.5	53.9	49.1	1.8	1.7	0.001425
07:00	-12.7	-13.5	-10.2	5.3	56.0	50.7	1.9	1.8	0.001444
08:00	-12.4	-13.5	-9.6	5.2	53.1	48.7	1.9	1.7	0.001485
09:00	-12.6	-13.9	-9.2	5.0	45.6	42.8	1.9	1.7	0.001456
10:00	-12.7	-13.9	-8.8	4.9	40.9	39.0	1.8	1.7	0.001444
11:00	-13.3	-14.7	-8.6	4.8	34.4	32.6	1.8	1.6	0.001389
12:00	-14.2	-15.7	-8.5	4.8	28.0	26.3	1.6	1.4	0.001297
13:00	-14.5	-15.7	-8.1	4.8	24.0	23.1	1.6	1.4	0.001278
14:00	-15.1	-16.6	-8.0	5.0	20.5	19.1	1.5	1.3	0.001219
15:00	-15.0	-16.4	-7.5	5.3	19.0	17.7	1.5	1.3	0.001232
16:00	-14.0	-15.3	-6.8	5.6	20.4	18.9	1.6	1.5	0.001333
17:00	-12.3	-13.9	-6.0	5.8	25.2	21.4	1.9	1.7	0.001528
18:00	-10.3	-13.1	-6.0	6.0	38.2	25.8	2.2	1.8	0.001773
19:00	-9.7	-11.4	-6.3	6.1	46.9	34.0	2.3	2.0	0.00186
20:00	-8.6	-11.7	-6.1	6.1	56.6	36.5	2.5	2.0	0.00201
21:00	-8.1	-11.2	-5.8	6.0	60.0	41.0	2.7	2.1	0.002101
22:00	-7.1	-11.1	-4.6	6.0	57.5	37.3	2.9	2.1	0.002265
23:00	-7.7	-12.7	-4.3	5.9	48.2	28.1	2.7	1.8	0.002182
Avg	-12.1	-13.9	-8.1	5.7	42.4	35.3	2.0	1.7	0.001548
Max	-7.1	-11.1	-4.3	6.9	60.0	50.7	2.9	2.1	0.002265
Hr. of Max	22	22	23	00	21	07	22	22	22
Min	-15.1	-16.6	-10.2	4.8	19.0	17.7	1.5	1.3	0.001219
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)

2/4/2017

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	0.001284	2.4	2.1	.00	29.53	999.9	-2.1	.00	54.5
01:00	0.00124	2.2	2.0	.00	29.52	999.9	-2.4	.00	55.2
02:00	0.001247	2.2	2.0	.00	29.52	999.7	-2.1	.00	45.0
03:00	0.001274	2.2	2.0	.00	29.51	999.5	-2.0	.00	46.9
04:00	0.001297	2.3	2.1	.00	29.51	999.5	-2.1	.00	52.6
05:00	0.001315	2.3	2.1	.00	29.53	999.9	-2.4	.00	57.4
06:00	0.001337	2.3	2.1	.00	29.55	1000.6	-2.4	.00	59.5
07:00	0.001354	2.3	2.2	.00	29.55	1000.8	5.2	.01	70.4
08:00	0.001352	2.4	2.2	.00	29.55	1000.7	152.1	.22	69.4
09:00	0.001316	2.3	2.1	.00	29.55	1000.9	331.1	.47	68.5
10:00	0.001311	2.3	2.1	.00	29.56	1001.1	497.6	.71	69.5
11:00	0.001233	2.2	2.0	.00	29.53	1000.1	637.0	.91	89.3
12:00	0.001145	2.1	1.8	.00	29.49	998.6	697.3	1.00	76.5
13:00	0.001154	2.0	1.8	.00	29.44	996.9	687.7	.99	64.3
14:00	0.001074	1.9	1.7	.00	29.39	995.3	625.2	.90	193.4
15:00	0.001092	2.0	1.7	.00	29.36	994.3	479.3	.69	195.0
16:00	0.001198	2.1	1.9	.00	29.34	993.7	311.1	.45	176.0
17:00	0.001339	2.4	2.1	.00	29.34	993.4	96.3	.14	227.2
18:00	0.001426	2.8	2.3	.00	29.33	993.4	-.6	.00	237.5
19:00	0.001631	3.0	2.6	.00	29.31	992.6	-2.5	.00	54.1
20:00	0.001592	3.2	2.5	.00	29.30	992.4	-2.6	.00	233.0
21:00	0.001653	3.3	2.6	.00	29.31	992.6	-2.4	.00	256.7
22:00	0.001675	3.6	2.7	.00	29.30	992.2	-2.4	.00	239.9
23:00	0.001468	3.5	2.3	.00	29.28	991.7	-2.0	.00	234.5
Avg	0.001334	2.5	2.1	.00	29.44	997.1	187.2	.27	84.0
Max	0.001675	3.6	2.7	.00	29.56	1001.1	697.3	1.00	256.7
Hr. of Max	22	22	22	23	10	10	12	12	21
Min	0.001074	1.9	1.7	.00	29.28	991.7	-2.6	.00	45.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/4/2017

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	54.6	53.7	47.7	44.5	22.9	14.5	9.6	3.8	7.6
01:00	50.1	47.3	49.1	37.4	27.5	16.9	12.5	3.9	8.1
02:00	41.3	40.2	37.1	29.7	27.4	15.5	11.3	3.8	7.9
03:00	37.4	33.2	37.2	22.2	29.9	16.2	12.1	3.2	7.4
04:00	47.9	46.1	43.9	36.3	23.4	13.4	10.9	2.8	6.0
05:00	52.9	52.4	49.7	43.1	23.8	13.8	8.8	3.7	7.8
06:00	56.4	53.6	50.1	44.6	23.0	14.1	9.6	2.7	6.0
07:00	63.2	56.3	64.6	47.7	19.6	15.1	10.2	2.7	5.0
08:00	58.8	54.7	64.5	46.2	22.9	17.2	12.5	3.7	5.8
09:00	64.9	60.9	63.9	52.7	24.0	18.3	14.3	5.6	8.6
10:00	68.1	65.3	65.0	56.9	26.8	19.3	14.4	4.9	6.7
11:00	83.8	77.8	85.4	69.5	18.4	20.1	18.4	6.2	6.4
12:00	72.9	70.5	69.9	61.6	28.5	21.7	17.5	4.9	6.2
13:00	35.7	61.0	12.7	49.6	57.2	55.8	52.0	.7	1.1
14:00	209.4	210.2	205.5	204.6	48.3	43.0	42.8	2.2	2.4
15:00	201.0	194.9	199.7	190.2	40.9	30.5	29.0	2.7	3.1
16:00	208.7	209.2	182.7	204.8	43.2	38.1	33.1	2.2	2.7
17:00	243.0	240.7	237.6	236.7	35.5	19.4	14.7	2.5	3.6
18:00	245.5	245.5	242.7	240.9	24.7	21.8	14.5	1.7	3.6
19:00	81.0	150.0	330.1	143.1	49.8	55.0	14.4	.6	1.0
20:00	243.7	234.1	233.7	229.7	47.2	37.1	15.7	.6	.6
21:00	231.2	226.9	238.0	222.7	47.1	35.2	13.7	.3	2.1
22:00	239.5	220.4	243.8	216.5	36.3	18.0	11.8	1.9	4.2
23:00	252.1	245.8	235.0	241.4	26.6	12.2	9.4	3.0	5.1
Avg	67.0	80.0	55.0	65.0	32.3	24.3	17.2	.0	.0
Max	252.1	245.8	330.1	241.4	57.2	55.8	52.0	6.2	8.6
Hr. of Max	23	23	19	23	13	13	13	11	09
Min	35.7	33.2	12.7	22.2	18.4	12.2	8.8	.3	.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)

2/4/2017

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	10.2	4.1	7.9	10.4	4.3	10.8	-1.2	1.3	-.30
01:00	10.8	4.3	8.4	11.0	4.8	11.5	-1.1	1.3	-.32
02:00	10.5	4.2	8.2	10.7	4.7	11.2	-.9	2.6	-.32
03:00	9.8	3.6	7.6	10.0	4.1	10.5	3.1	1.8	-.09
04:00	8.1	3.1	6.1	8.3	3.2	8.6	-.4	.8	-.18
05:00	10.3	4.0	8.0	10.4	4.4	10.7	-.9	.9	-.30
06:00	8.2	2.9	6.1	8.4	3.3	8.7	-.6	1.7	-.20
07:00	7.2	2.9	5.2	7.3	3.2	7.6	-.5	2.4	-.09
08:00	7.9	4.0	6.0	8.0	4.4	8.4	.5	3.3	-.11
09:00	10.9	6.0	9.0	11.1	6.6	11.7	2.2	4.5	.10
10:00	8.2	5.4	7.2	8.5	6.1	8.9	1.3	1.9	-.01
11:00	6.9	6.5	6.8	7.3	7.0	7.8	.7	5.4	-.01
12:00	7.0	5.4	6.6	7.3	6.0	7.7	-.6	-1.4	-.19
13:00	1.9	3.0	3.0	3.1	3.6	3.8	-2.0	-1.8	-.13
14:00	2.8	2.9	3.2	3.6	3.6	4.4	-.3	-9.2	.02
15:00	3.4	3.9	4.1	4.4	4.4	5.0	2.3	.2	.09
16:00	3.3	3.0	3.6	4.0	3.5	4.5	3.4	4.7	.06
17:00	4.2	2.7	3.9	4.5	3.2	4.8	1.2	-1.1	-.01
18:00	5.2	1.8	3.9	5.4	2.2	5.7	.5	.2	-.02
19:00	2.1	.9	1.3	2.2	1.4	2.5	1.7	-.1	.03
20:00	2.2	.8	.9	2.5	1.3	2.7	1.9	.2	.03
21:00	4.3	1.0	2.5	4.6	1.6	4.9	.9	.1	.00
22:00	6.2	2.3	4.6	6.5	2.6	6.9	.3	-1.6	-.03
23:00	6.9	3.3	5.2	7.0	3.6	7.4	.8	-.3	-.01
Avg	.0	3.4	5.4	6.9	3.9	7.4	.5	.7	-.08
Max	10.9	6.5	9.0	11.1	7.0	11.7	3.4	5.4	.10
Hr. of Max	09	11	09	09	11	09	16	11	09
Min	1.9	.8	.9	2.2	1.3	2.5	-2.0	-9.2	-.32
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/4/2017

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	.15	10.1	15.1	16.3	18.4	7.1	-1.8	-2.3
01:00	.15	13.1	19.5	21.5	20.2	9.3	-2.4	-2.9
02:00	.40	12.6	22.7	26.8	18.6	9.5	-3.0	-3.5
03:00	.20	11.2	16.7	25.9	22.9	9.8	-3.6	-4.0
04:00	.03	12.8	18.1	17.2	18.7	8.5	-3.9	-4.3
05:00	.08	11.7	14.7	18.1	19.0	7.4	-4.1	-4.6
06:00	.20	8.7	11.9	17.6	19.2	7.4	-4.5	-4.9
07:00	.26	8.7	9.8	13.1	17.4	8.3	-4.7	-5.1
08:00	.38	11.9	13.7	15.6	18.0	10.9	-4.1	-4.8
09:00	.53	17.2	20.6	22.0	19.2	13.8	-2.7	-3.8
10:00	.13	15.8	19.2	18.5	19.4	13.5	-1.6	-2.8
11:00	.54	14.0	14.9	18.8	15.2	16.6	-.1	-1.0
12:00	-.20	17.4	19.2	17.6	19.2	13.8	1.8	.7
13:00	-.02	9.2	9.2	8.9	27.3	30.2	3.6	2.7
14:00	-.62	9.2	10.1	9.2	26.9	28.5	5.2	4.3
15:00	-.01	9.4	10.5	10.5	22.7	25.6	6.5	5.7
16:00	.19	10.1	9.2	10.3	21.9	21.5	7.0	6.2
17:00	-.18	9.4	11.2	9.8	16.8	13.8	6.9	6.3
18:00	-.03	6.2	8.9	10.3	8.7	4.3	5.1	5.4
19:00	.02	3.2	4.4	5.0	8.1	8.7	3.0	4.6
20:00	.01	3.0	2.7	3.7	6.7	4.2	1.7	4.1
21:00	.00	5.5	5.0	8.5	9.3	4.2	.7	3.4
22:00	-.20	8.7	9.2	11.7	10.2	5.5	2.2	4.3
23:00	-.09	8.9	11.2	12.8	9.2	6.3	4.2	4.3
Avg	.08	10.3	12.8	14.6	17.2	12.0	.5	.3
Max	.54	17.4	22.7	26.8	27.3	30.2	7.0	6.3
Hr. of Max	11	12	02	02	13	13	16	17
Min	-.62	3.0	2.7	3.7	6.7	4.2	-4.7	-5.1
Count	24	24	24	24	24	24	24	24
Total								