Date Printed: 01/01/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

12/31/2016

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	-3.6	-2.1	-.8	1.1	1.41	2.72	4.63	1.31	3.23
01:00	-4.0	-2.0	-.8	1.2	2.04	3.23	5.23	1.19	3.19
02:00	-4.4	-2.5	-1.7	.2	1.94	2.73	4.67	.80	2.73
03:00	-4.8	-2.7	-1.4	.3	2.05	3.32	5.08	1.27	3.02
04:00	-4.8	-3.4	-2.3	-.3	1.36	2.45	4.45	1.09	3.09
05:00	-4.7	-3.6	-2.5	-.1	1.16	2.24	4.61	1.08	3.45
06:00	-4.0	-2.5	-.9	.8	1.45	3.06	4.80	1.62	3.36
07:00	-3.4	-2.0	-.8	.6	1.43	2.66	4.05	1.23	2.62
08:00	-2.1	-.9	-.1	.4	1.20	1.99	2.55	.79	1.35
09:00	-.2	.1	.6	.8	.32	.76	1.00	.44	.68
10:00	1.2	1.2	1.2	1.4	-.04	.04	.19	.08	.23
11:00	2.9	2.7	2.6	2.5	-.16	-.31	-.33	-.15	-.16
12:00	4.8	4.7	4.5	4.5	-.13	-.31	-.39	-.19	-.26
13:00	5.2	5.3	5.2	5.1	.10	-.04	-.08	-.14	-.18
14:00	5.5	5.7	5.6	5.6	.15	.07	.08	-.07	-.06
15:00	6.2	6.3	6.2	6.2	.20	.07	.03	-.13	-.17
16:00	6.0	6.2	6.0	6.0	.16	.04	.02	-.12	-.14
17:00	5.3	5.8	5.8	5.9	.54	.54	.61	.00	.08
18:00	4.4	5.5	5.7	5.8	1.10	1.29	1.38	.18	.27
19:00	4.0	4.6	4.8	4.9	.55	.78	.87	.23	.32
20:00	3.9	4.0	3.9	3.9	.10	.05	.01	-.05	-.08
21:00	3.6	3.6	3.5	3.4	.00	-.09	-.17	-.08	-.17
22:00	3.7	3.7	3.6	3.5	.00	-.07	-.16	-.07	-.16
23:00	3.8	3.8	3.7	3.6	.01	-.07	-.15	-.08	-.16
Avg	1.0	1.7	2.2	2.8	.71	1.13	1.79	.43	1.09
Max	6.2	6.3	6.2	6.2	2.05	3.32	5.23	1.62	3.45
Hr. of Max	15	15	15	15	03	03	01	06	05
Min	-4.8	-3.6	-2.5	-.3	-.16	-.31	-.39	-.19	-.26
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/31/2016

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	-6.7	-8.1	-5.7	6.2	79.0	64.2	3.0	2.7	0.00233
01:00	-6.7	-7.3	-5.8	6.0	81.9	67.4	3.0	2.8	0.002336
02:00	-7.0	-7.9	-6.1	5.9	82.8	66.7	2.9	2.7	0.002286
03:00	-7.1	-8.3	-6.3	5.8	84.3	65.5	2.9	2.6	0.00227
04:00	-7.3	-7.7	-6.4	5.6	83.1	72.8	2.9	2.8	0.002236
05:00	-7.0	-7.1	-6.3	5.5	84.3	77.2	2.9	2.9	0.002278
06:00	-6.3	-6.9	-5.6	5.4	84.2	72.2	3.1	2.9	0.002403
07:00	-5.7	-6.8	-4.9	5.3	84.9	69.9	3.2	2.9	0.00253
08:00	-4.7	-6.7	-3.8	5.2	83.0	65.2	3.5	2.9	0.002728
09:00	-4.1	-6.2	-2.8	5.1	75.2	62.8	3.6	3.1	0.002844
10:00	-3.6	-4.6	-2.0	5.1	70.8	65.8	3.7	3.4	0.002962
11:00	-2.9	-3.9	-1.0	5.2	66.3	62.3	3.9	3.6	0.003125
12:00	-4.2	-5.2	-1.2	5.3	52.5	49.2	3.5	3.3	0.002844
13:00	-1.9	-2.7	.5	5.5	60.8	56.9	4.2	3.9	0.003388
14:00	-1.1	-2.0	1.1	5.6	62.7	58.2	4.4	4.1	0.003576
15:00	-2.4	-3.2	.5	5.7	54.8	50.8	4.0	3.8	0.003269
16:00	-1.7	-2.3	.9	5.8	58.4	55.2	4.2	4.0	0.003446
17:00	.2	-.9	1.9	5.9	70.4	62.6	4.8	4.5	0.003954
18:00	1.9	.0	2.8	6.0	84.6	68.5	5.5	4.8	0.00447
19:00	3.0	1.7	3.3	6.1	93.5	82.2	5.9	5.4	0.004815
20:00	2.5	2.1	2.9	6.1	91.3	88.1	5.7	5.5	0.004641
21:00	2.5	2.4	2.9	6.2	92.9	92.3	5.7	5.7	0.004641
22:00	2.9	2.9	3.1	6.2	95.3	95.5	5.9	5.9	0.004772
23:00	3.1	3.2	3.3	6.3	96.4	96.7	6.0	6.0	0.004864
Avg	-2.7	-3.6	-1.4	5.7	78.1	69.5	4.1	3.8	0.003292
Max	3.1	3.2	3.3	6.3	96.4	96.7	6.0	6.0	0.004864
Hr. of Max	23	23	23	23	23	23	23	23	23
Min	-7.3	-8.3	-6.4	5.1	52.5	49.2	2.9	2.6	0.002236
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)

12/31/2016

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	0.002102	3.7	3.3	.00	29.26	990.9	-2.3	.00	224.7
01:00	0.002242	3.7	3.6	.00	29.24	990.1	-2.3	.00	87.0
02:00	0.002129	3.6	3.4	.00	29.24	990.1	-2.4	.00	218.7
03:00	0.00206	3.6	3.3	.00	29.23	989.8	-2.8	.00	142.8
04:00	0.002173	3.5	3.4	.00	29.21	989.3	-2.8	.00	257.1
05:00	0.002275	3.6	3.6	.00	29.21	989.3	-2.6	.00	219.1
06:00	0.002299	3.8	3.6	.00	29.22	989.7	-2.5	.00	233.7
07:00	0.002319	4.0	3.7	.00	29.22	989.7	-1.6	.00	123.3
08:00	0.002337	4.3	3.7	.00	29.22	989.5	29.7	.04	108.4
09:00	0.002432	4.5	3.9	.00	29.23	989.7	51.9	.07	193.9
10:00	0.002746	4.7	4.4	.00	29.24	990.1	87.8	.13	226.4
11:00	0.002902	4.9	4.6	.00	29.23	990.0	112.0	.16	213.2
12:00	0.002645	4.5	4.2	.00	29.21	989.3	136.5	.20	230.3
13:00	0.00319	5.4	5.0	.00	29.18	988.1	79.6	.11	218.5
14:00	0.003349	5.6	5.3	.00	29.15	987.1	58.3	.08	229.7
15:00	0.003069	5.2	4.8	.00	29.12	986.3	32.8	.05	220.4
16:00	0.003293	5.4	5.2	.00	29.11	985.9	15.5	.02	230.1
17:00	0.003651	6.2	5.8	.00	29.10	985.6	-.1	.00	237.9
18:00	0.003904	7.0	6.1	.00	29.11	985.7	-1.7	.00	251.1
19:00	0.004397	7.6	6.9	.01	29.12	986.1	-2.7	.00	249.6
20:00	0.004509	7.3	7.1	.01	29.12	986.2	-2.9	.00	251.7
21:00	0.004611	7.3	7.3	.02	29.12	986.1	-2.5	.00	247.5
22:00	0.004784	7.5	7.5	.02	29.12	986.3	-2.0	.00	241.9
23:00	0.004883	7.7	7.7	.02	29.12	986.3	-3.5	.00	249.1
Avg	0.003096	5.2	4.9	.00	29.18	988.2	23.7	.04	221.0
Max	0.004883	7.7	7.7	.02	29.26	990.9	136.5	.20	257.1
Hr. of Max	23	23	23	23	00	00	12	12	04
Min	0.00206	3.5	3.3	.00	29.10	985.6	-3.5	.00	87.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/31/2016

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	236.7	237.6	239.5	232.6	23.7	9.8	5.7	1.6	3.0
01:00	47.3	245.9	38.6	244.6	20.1	39.8	33.3	.4	.4
02:00	236.8	217.1	233.9	209.3	25.9	14.2	22.6	.9	1.3
03:00	310.7	317.2	244.9	311.6	34.0	22.0	30.2	.7	.7
04:00	225.1	230.2	252.2	227.3	36.8	49.7	36.5	1.6	2.3
05:00	229.9	258.5	235.1	252.8	35.8	10.2	12.0	1.5	2.7
06:00	221.0	273.3	255.7	267.7	52.5	48.0	8.1	.7	1.2
07:00	20.6	273.2	231.4	268.3	29.1	34.0	16.5	.2	.5
08:00	5.9	291.8	277.2	283.8	31.2	39.3	39.6	.3	.8
09:00	231.3	261.0	207.5	254.9	36.0	21.9	20.6	2.0	3.0
10:00	255.0	265.2	229.1	260.1	20.8	16.2	10.8	2.7	4.3
11:00	239.9	247.3	219.4	242.0	28.7	18.4	13.6	2.7	4.1
12:00	238.8	237.2	230.6	232.5	19.0	13.6	10.3	7.1	10.0
13:00	222.4	218.1	219.0	213.9	20.0	15.8	12.7	6.4	8.9
14:00	231.6	224.3	230.5	220.3	21.9	14.4	10.1	4.3	7.0
15:00	224.0	218.8	220.8	214.4	20.1	16.0	12.6	6.7	9.4
16:00	235.2	231.0	230.9	226.7	18.5	13.3	10.5	5.6	8.2
17:00	248.4	242.5	239.6	237.7	19.2	11.9	8.5	3.1	5.2
18:00	259.8	251.6	252.4	246.8	30.6	11.5	7.9	2.4	4.9
19:00	268.3	263.6	253.6	258.6	47.5	12.7	8.7	1.9	4.3
20:00	266.0	263.4	254.1	258.6	22.9	13.2	10.7	2.5	4.4
21:00	261.5	262.7	248.8	257.8	20.3	14.1	11.6	3.0	4.5
22:00	260.9	264.1	245.5	259.2	24.8	15.7	12.3	2.2	3.4
23:00	267.8	270.1	252.3	264.7	34.8	20.2	17.2	2.3	3.5
Avg	251.0	252.0	240.0	247.0	28.1	20.7	15.9	.0	.0
Max	310.7	317.2	277.2	311.6	52.5	49.7	39.6	7.1	10.0
Hr. of Max	03	03	08	03	06	04	08	12	12
Min	5.9	217.1	38.6	209.3	18.5	9.8	5.7	.2	.4
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)

12/31/2016

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	5.0	1.6	3.1	5.1	2.0	5.4	1.7	2.0	.07
01:00	1.5	.6	.9	1.6	1.0	1.9	2.1	-.3	.03
02:00	1.1	1.0	1.4	1.3	1.4	1.6	.4	.3	.00
03:00	1.2	1.1	1.7	1.7	1.6	1.9	.9	1.2	.02
04:00	2.1	2.0	3.0	2.7	2.3	2.9	.1	1.8	.00
05:00	3.2	1.7	2.8	3.3	2.2	3.5	-.6	2.2	-.04
06:00	3.8	.8	1.5	3.9	1.3	3.9	1.2	2.3	.01
07:00	1.7	.6	.6	1.8	1.2	2.0	2.9	.9	.05
08:00	1.9	1.1	1.9	2.5	1.5	2.6	1.3	.4	.00
09:00	3.6	2.3	3.3	3.8	2.7	4.1	3.3	1.1	.11
10:00	6.3	3.0	4.5	6.4	3.5	6.6	2.0	1.5	.02
11:00	5.5	3.0	4.3	5.7	3.4	6.1	3.8	1.4	.13
12:00	12.4	7.5	10.3	12.7	8.2	13.4	.6	.6	-.13
13:00	11.5	7.0	9.4	11.9	7.5	12.6	1.0	-.5	-.06
14:00	9.5	4.6	7.2	9.7	5.2	10.3	.7	.0	-.06
15:00	11.8	7.1	9.7	12.0	7.7	12.7	.8	.1	-.09
16:00	10.3	5.9	8.4	10.5	6.7	11.1	.1	.6	-.17
17:00	7.3	3.4	5.4	7.4	3.8	7.8	1.0	.8	-.04
18:00	7.0	2.7	5.0	7.1	3.0	7.4	-.7	1.4	-.05
19:00	6.3	2.2	4.5	6.4	2.5	6.7	.6	1.6	-.02
20:00	6.1	2.7	4.5	6.3	3.1	6.5	.9	1.2	-.04
21:00	6.1	3.2	4.6	6.3	3.7	6.6	-.2	.1	-.09
22:00	4.6	2.4	3.6	4.7	2.8	5.0	1.4	1.5	-.02
23:00	4.7	2.5	3.7	4.9	2.9	5.1	1.3	.4	-.03
Avg	.0	2.9	4.4	5.8	3.4	6.2	1.1	.9	-.02
Max	12.4	7.5	10.3	12.7	8.2	13.4	3.8	2.3	.13
Hr. of Max	12	12	12	12	12	12	11	06	11
Min	1.1	.6	.6	1.3	1.0	1.6	-.7	-.5	-.17
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/31/2016

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	.19	4.8	7.6	9.6	6.1	1.9	-2.1	1.0
01:00	.02	2.5	2.1	8.5	6.9	11.3	-1.9	1.1
02:00	.02	3.7	2.5	4.8	6.3	8.1	-2.5	.1
03:00	.06	3.9	5.5	5.5	5.7	11.5	-2.7	.2
04:00	.13	4.8	10.8	7.6	7.2	7.3	-3.4	-.4
05:00	.13	6.6	5.0	8.0	6.0	6.0	-3.5	-.2
06:00	.15	2.5	4.6	9.2	8.2	6.2	-2.5	.6
07:00	.03	2.1	2.1	4.4	7.0	7.3	-2.0	.4
08:00	-.02	4.4	8.0	8.9	11.4	9.7	-.9	.2
09:00	.01	5.3	6.4	8.7	11.8	11.3	.1	.5
10:00	.09	9.2	11.4	14.4	14.3	8.1	1.2	1.1
11:00	.09	9.4	10.5	12.6	15.9	9.6	2.8	2.3
12:00	.02	22.9	27.7	29.8	14.0	7.7	4.7	4.1
13:00	-.21	20.6	25.9	27.7	15.1	8.7	5.5	5.0
14:00	-.08	12.8	17.2	21.5	14.9	7.6	5.9	5.5
15:00	-.12	22.2	25.6	27.7	14.6	9.1	6.5	6.0
16:00	.01	14.9	25.0	33.2	13.9	7.6	6.3	5.8
17:00	.07	10.3	11.2	15.8	12.2	6.1	6.0	5.8
18:00	.16	6.6	8.9	10.5	9.5	4.3	5.7	5.7
19:00	.14	6.6	9.2	11.9	12.6	5.7	4.9	4.9
20:00	.06	6.0	8.5	11.4	14.2	8.1	4.3	4.0
21:00	-.07	7.3	14.7	18.8	13.4	8.3	3.9	3.6
22:00	.06	7.3	8.7	11.7	15.0	9.4	4.0	3.6
23:00	-.02	7.1	10.5	9.6	13.7	10.4	4.1	3.7
Avg	.04	8.5	11.2	13.8	11.2	8.0	1.9	2.7
Max	.19	22.9	27.7	33.2	15.9	11.5	6.5	6.0
Hr. of Max	00	12	12	16	11	03	15	15
Min	-.21	2.1	2.1	4.4	5.7	1.9	-3.5	-.4
Count	24	24	24	24	24	24	24	24
Total								