Date Printed: 07/12/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/11/2017

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	18.9	19.3	20.2	20.7	.36	1.27	1.81	.92	1.45
01:00	18.3	18.7	19.2	19.7	.37	.89	1.41	.52	1.04
02:00	17.8	18.2	18.6	19.2	.39	.79	1.36	.40	.97
03:00	17.4	18.1	18.5	18.8	.68	1.10	1.34	.42	.66
04:00	16.9	17.3	17.6	18.3	.35	.63	1.35	.28	1.00
05:00	16.6	17.2	17.6	18.0	.66	1.03	1.46	.38	.81
06:00	16.5	17.6	18.1	18.5	1.08	1.55	1.99	.47	.91
07:00	17.4	18.6	19.7	18.9	1.21	2.28	1.51	1.07	.30
08:00	20.7	21.0	22.0	21.5	.34	1.29	.87	.96	.53
09:00	23.5	24.1	24.2	24.6	.55	.65	1.10	.10	.55
10:00	25.9	26.5	26.2	25.9	.56	.28	-.05	-.28	-.61
11:00	27.9	28.4	28.3	27.6	.57	.40	-.27	-.17	-.84
12:00	29.4	30.1	30.0	29.6	.65	.53	.21	-.13	-.45
13:00	30.6	30.8	30.6	30.6	.22	-.03	.05	-.25	-.16
14:00	31.3	31.6	31.4	31.3	.27	.06	.03	-.20	-.23
15:00	31.8	32.0	32.2	31.6	.19	.34	-.24	.15	-.43
16:00	31.9	32.6	32.0	31.8	.65	.08	-.12	-.58	-.78
17:00	31.9	33.1	32.6	31.8	1.18	.69	-.11	-.50	-1.29
18:00	31.2	32.7	32.1	31.3	1.53	.90	.12	-.63	-1.41
19:00	28.5	31.4	31.2	30.9	2.89	2.71	2.38	-.18	-.51
20:00	25.1	27.6	28.5	28.7	2.52	3.41	3.61	.89	1.09
21:00	23.2	24.4	25.4	25.9	1.17	2.21	2.69	1.04	1.53
22:00	22.2	23.5	24.6	24.6	1.29	2.39	2.44	1.10	1.15
23:00	21.0	21.7	22.5	23.3	.63	1.44	2.23	.81	1.60
Avg	24.0	24.9	25.1	25.1	.85	1.12	1.13	.27	.29
Max	31.9	33.1	32.6	31.8	2.89	3.41	3.61	1.10	1.60
Hr. of Max	17	17	17	17	19	20	20	22	23
Min	16.5	17.2	17.6	18.0	.19	-.03	-.27	-.63	-1.41
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/11/2017

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	17.2	17.2	17.9	-999.0	89.8	89.8	14.6	14.6	0.015767
01:00	17.3	17.3	17.7	-999.0	93.8	93.8	14.7	14.7	0.015857
02:00	17.1	17.1	17.4	-999.0	95.3	95.3	14.5	14.5	0.015657
03:00	17.5	17.5	17.7	-999.0	98.7	98.7	14.9	14.9	0.016095
04:00	16.6	16.6	16.9	-999.0	98.3	98.3	14.2	14.2	0.015214
05:00	16.7	16.7	16.9	-999.0	99.2	99.2	14.2	14.2	0.015301
06:00	17.1	17.1	17.3	-999.0	99.3	99.3	14.6	14.6	0.015703
07:00	18.1	18.1	18.3	-999.0	99.1	99.1	15.5	15.5	0.015321
08:00	17.9	17.9	18.9	22.8	84.7 O	84.7	15.2	15.2	0.013246
09:00	17.2	17.2	19.5	22.8	67.3	67.3	14.4	14.4	0.012685
10:00	18.2	18.2	20.9	22.8	61.9	61.9	15.2	15.2	0.013504
11:00	18.7	18.7	22.0	22.9	57.3	57.3	15.7	15.7	0.014019
12:00	18.8	18.8	22.6	23.1	55.0	52.4	15.7	15.7	0.014116
13:00	17.8 D	17.7	22.1	23.5	48.3	46.9	14.7 D	14.6	0.013219 D
14:00	16.8	16.5	21.5	23.9	43.3	41.6	13.8	13.5	0.012495
15:00	16.2	15.3	20.9	24.3	40.4	37.7	13.3	12.5	0.012012
16:00	16.6	15.6	21.3	24.5	41.1	37.3	13.6	12.8	0.01229
17:00	16.7	16.6	22.1	24.7	41.4	38.5	13.7	13.6	0.012412
18:00	17.4	17.2	22.4	24.9	45.2	40.9	14.4	14.1	0.012991
19:00	19.6	18.6	22.8	25.1	60.5	48.0	16.5	15.4	0.014849
20:00	19.7	18.4	21.5	25.2	73.9	58.8	16.8	15.3	0.014905
21:00	19.7	18.4	20.4	25.3	82.7	71.2	16.9	15.5	0.014888
22:00	19.9	19.5	20.8	25.2	89.2	80.4	17.1	16.7	0.015066
23:00	19.1	18.3	19.4	25.1	90.8	83.0	16.3	15.5	0.014295
Avg	17.8	17.5	20.0	-316.9	73.2	70.1	15.0	14.7	0.014246
Max	19.9	19.5	22.8	25.3	99.3	99.3	17.1	16.7	0.016095
Hr. of Max	22	22	19	21	06	06	22	22	03
Min	16.2	15.3	16.9	-999.0	40.4	37.3	13.3	12.5	0.012012
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/11/2017

Interval: 001h

	24_Mix Ratio_015m	27_VaporPr_002m	28_VaporPr_015m	34_Precip_In	36_BarPres_In	37_BarPres_Mb	38_SolarRad_Wm2	40_WDir_015m	41_WDir_035m
Hour	COUNT	KPa	KPa	INCHES	INHG	KPa	W/M2	DEG	DEG
00:00	0.015767	19.6	19.6	.00	29.15	987.0	-999.0	304.7	61.7
01:00	0.015857	19.8	19.8	.00	29.14	986.9	-999.0	270.9	223.5
02:00	0.015657	19.5	19.5	.00	29.13	986.5	-999.0	279.3	211.4
03:00	0.016095	20.0	20.0	.00	29.13	986.6	-999.0	244.1	314.9
04:00	0.015214	19.0	19.0	.00	29.12	986.1	-999.0	264.4	227.5
05:00	0.015301	19.1	19.1	.00	29.12	986.0	-999.0	249.8	345.7
06:00	0.015703	19.6	19.6	.00	29.15	986.9	-999.0	14.5	63.0
07:00	0.015321	20.8	20.8	.00	29.16	987.3	-999.0	239.1	70.1
08:00	0.013246	20.6	20.6	.00	29.19	988.4	-999.0	213.8	228.9
09:00	0.012685	19.8	19.8	.00	29.20	988.7	561.9	213.9	221.9
10:00	0.013504	21.0	21.0	.00	29.19	988.4	756.8	235.9	237.8
11:00	0.014019	21.8	21.8	.00	29.19	988.6	883.7	232.0	238.4
12:00	0.014116	21.9	21.9	.00	29.20	988.9	1023.8	213.4	223.4
13:00	0.013168	20.6 D	20.5	.00	29.18	988.2	1067.1 D	197.1 +	209.8
14:00	0.012198	19.5	19.0	.00	29.17	987.9	1048.9	212.8	227.0
15:00	0.01132	18.7	17.7	.00	29.18	988.1	956.3	214.0	224.8
16:00	0.011584	19.1	18.1	.00	29.16	987.4	639.3	198.1	209.0
17:00	0.012333	19.3	19.2	.00	29.13	986.5	542.3	270.6	282.6
18:00	0.012827	20.2	19.9	.00	29.11	985.9	348.8	186.3 +	185.5
19:00	0.013964	23.0	21.6	.00	29.11	985.7	195.1	268.7	225.9
20:00	0.013732	23.1	21.3	.00	29.12	986.1	19.1	277.9	233.9
21:00	0.013748	23.1	21.3	.00	29.14	986.9	-1.1	290.1	229.1
22:00	0.0147	23.4	22.8	.00	29.16	987.4	-1.5	337.4	29.7
23:00	0.013582	22.2	21.1	.00	29.17	987.8	-1.4	267.6	302.4
Avg	0.013985	20.6	20.2	.00	29.15	987.3	-39.7	248.0	235.0
Max	0.016095	23.4	22.8	.00	29.20	988.9	1067.1	337.4	345.7
Hr. of Max	03	22	22	23	12	12	13	22	05
Min	0.01132	18.7	17.7	.00	29.11	985.7	-999.0	14.5	29.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/11/2017

Interval: 001h

	42_WDir_060m	46_SWDir_015m	47_SWDir_060m	50_Sigma_015m	51_Sigma_035m	52_Sigma_060m	53_SSigma_015m	54_SSigma_060m	55_RWSpd_015m
Hour	DEG	DEG	DEG	DEG	DEG	DEG	DEG	DEG	MPH
00:00	97.4	304.7	99.9	34.1	53.7	10.0	34.1	22.4	.3
01:00	181.1	270.9	206.6	38.1	52.2	24.9	38.1	43.0	.5
02:00	251.0	279.3	246.4	40.8	55.3	24.0	40.8	28.3	.3
03:00	252.5	244.1	245.8	47.4	41.3	15.5	47.4	16.1	.7
04:00	236.7	264.4	232.8	25.7	32.9	15.5	25.7	17.6	.4
05:00	242.7	249.8	220.1	71.6	30.7	41.1	71.6	50.7	.2
06:00	59.4	14.5	50.1	38.5	11.7	9.8	38.5	10.9	.3
07:00	64.2	239.1	53.5	54.9	36.9	9.7	54.9	11.3	.1
08:00	256.7	213.8	251.0	34.6	57.4	27.8	34.6	31.2	.5
09:00	217.1	213.9	212.2	42.1	33.7	35.4	42.1	43.2	1.5
10:00	231.4	235.9	227.1	33.9	25.5	21.9	33.9	23.5	2.9
11:00	235.1	232.0	231.2	31.3	24.1	20.0	31.3	20.0	3.1
12:00	219.1	213.4	213.8	51.4	37.3	33.5	51.4	35.2	2.5
13:00	208.9	197.1 +	203.9	35.3 +	37.9	32.5	35.3 +	32.3	3.9
14:00	224.8	212.8	219.6	43.4	35.1	28.7	43.4	27.6	2.9
15:00	220.8	214.0	218.4	45.9	35.3	31.1	45.9	33.0	2.9
16:00	198.5	198.1	194.6	56.1	50.1	48.6	56.1	48.8	1.2
17:00	280.4	270.6	273.4	53.7	47.7	44.2	53.7	43.7	1.4
18:00	177.6	186.3 +	172.5	50.7 +	36.6	28.7	50.7 +	31.6	1.9
19:00	169.0	268.7	165.7	26.6	44.0	18.8	26.6	26.7	.7
20:00	177.3	277.9	179.1	16.4	31.8	25.1	16.4	43.2	1.2
21:00	201.5	290.1	197.2	34.0	36.4	14.3	34.0	16.7	.2
22:00	200.0	337.4	199.2	35.6	42.8	48.2	35.6	46.4	.4
23:00	244.7	267.6	239.5	35.8	32.6	17.4	35.8	17.5	.6
Avg	214.0	248.0	211.0	40.7	38.5	26.1	40.7	30.0	.0
Max	280.4	337.4	273.4	71.6	57.4	48.6	71.6	50.7	3.9
Hr. of Max	17	22	17	05	08	16	05	05	13
Min	59.4	14.5	50.1	16.4	11.7	9.7	16.4	10.9	.1
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)

7/11/2017

Interval: 001h

	56_RWSpd_035m	57_RWSpd_060m	58_WSpd_015m	59_WSpd_035m	60_WSpd_060m	66_HSSpd_015m	67_HSSpd_060m	70_WElev_015m	71_WElev_060m
Hour	MPH	MPH	MPH	MPH	MPH	MPH	MPH	DEG	DEG
00:00	.3	.3	.4	.5	.4	.9	.6	.3	-.8
01:00	.3	.3	.5	.4	.6	.9	.9	.4	-.7
02:00	.2	.8	.3	.5	.9	.9	1.1	2.1	-.3
03:00	.5	1.6	.7	.8	1.7	1.3	1.8	1.1	-.8
04:00	.4	1.3	.5	.6	1.4	1.1	1.6	.9	.1
05:00	.4	.3	.5	.6	1.3	1.0	1.5	2.4	1.4
06:00	1.4	2.4	.3	1.4	2.5	.8	2.7	-.5	.9
07:00	.3	1.5	.1	.3	1.7	.7	1.9	3.1	1.0
08:00	.4	.5	.6	.7	1.2	1.2	1.4	-1.5	-1.6
09:00	1.7	1.8	1.7	2.0	2.0	2.2	2.5	-3.0	-4.3
10:00	3.9	4.2	3.3	4.2	4.5	3.9	5.0	-1.8	-6.9
11:00	4.0	4.3	3.6	4.4	4.7	4.1	5.2	-1.9	-7.2
12:00	3.1	3.6	3.4	3.7	4.2	4.0	4.9	-1.8	2.0
13:00	4.4	5.0	4.8	5.5	5.9	5.4	6.5	.3	-1.3
14:00	3.7	4.5	3.9	4.7	5.2	4.6	5.9	-2.2	-.6
15:00	3.4	3.8	3.6	4.0	4.4	4.1	5.0	2.0	-2.5
16:00	1.6	1.7	2.6	2.9	2.8	3.1	3.4	5.3	6.8
17:00	1.6	1.8	1.9	2.1	2.3	2.3	2.8	-1.3	-5.4
18:00	2.2	2.3	2.1	2.4	2.6	2.6	3.0	2.8	2.4
19:00	.8	1.4	1.0	1.0	1.6	1.5	1.8	1.6	1.4
20:00	1.8	2.4	1.3	1.9	2.4	1.5	2.6	-.2	.5
21:00	.6	1.4	.2	.6	1.5	.7	1.7	.3	-2.0
22:00	.5	.6	.5	.9	.7	.9	1.0	2.7	-2.8
23:00	.3	1.0	.7	.3	1.1	1.2	1.3	.7	.0
Avg	.0	.0	1.6	1.9	2.4	2.1	2.8	.5	-.9
Max	4.4	5.0	4.8	5.5	5.9	5.4	6.5	5.3	6.8
Hr. of Max	13	13	13	13	13	13	13	16	16
Min	.2	.3	.1	.3	.4	.7	.6	-3.0	-7.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/11/2017

Interval: 001h

	72_VSSpd_015m	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	MPH	DEG	DEG	DEGC	DEGC
00:00	.00	-.01	1.8	2.1	1.8	6.9	5.8	<	<
01:00	.00	-.01	2.3	2.5	1.6	6.1	5.0	<	<
02:00	.04	-.01	2.1	1.6	1.8	8.2	5.9	<	<
03:00	.02	-.01	3.4	2.5	3.0	6.3	4.7	<	<
04:00	.01	.01	2.1	2.1	3.9	6.8	5.4	<	<
05:00	.04	.05	2.1	2.7	4.1	8.6	9.3	<	<
06:00	-.01	.05	2.5	3.9	4.1	6.4	3.1	<	<
07:00	.06	.04	2.3	2.5	3.0	10.4	5.2	<	<
08:00	-.02	-.07	3.0	3.7	3.7	23.6	14.1	21.6	21.3
09:00	-.08	-.28	6.2	6.6	6.9	27.2	29.4	24.0	23.4
10:00	-.18	-.71	9.4	9.6	8.9	23.1	19.6	26.0	25.2
11:00	-.25	-.70	9.8	13.1	15.1	21.5	19.3	27.8	26.9
12:00	-.16	.04	8.7	9.8	9.4	23.0	27.3	29.4	28.6
13:00	-.05	-.23	11.2	11.4	11.4	20.2	18.8	30.3	29.4
14:00	-.18	-.13	11.0	16.9	13.1	21.4	19.9	31.0	30.1
15:00	.02	-.31	8.7	10.5	11.7	22.2	22.6	31.4	30.5
16:00	.20	.40	6.9	7.3	7.3	24.8	28.4	31.8	31.0
17:00	-.10	-.33	5.5	10.1	8.5	26.3	29.2	32.1	31.2
18:00	.15	.14	5.5	6.9	5.7	22.0	21.5	31.9	31.2
19:00	.02	.07	2.7	3.9	3.9	11.2	13.2	30.8	30.9
20:00	-.01	.01	2.7	3.2	6.2	7.2	4.5	28.5	29.9
21:00	.00	-.07	1.6	2.5	5.3	7.0	9.3	26.8	28.0
22:00	.03	-.06	3.0	3.4	3.7	8.0	8.1	25.6	27.2
23:00	.01	.00	3.7	1.8	3.0	5.5	5.5	24.0	25.8
Avg	-.02	-.09	4.9	5.9	6.1	14.7	14.0	28.3	28.2
Max	.20	.40	11.2	16.9	15.1	27.2	29.4	32.1	31.2
Hr. of Max	16	16	13	14	11	09	09	17	18
Min	-.25	-.71	1.6	1.6	1.6	5.5	3.1	21.6	21.3
Count	24	24	24	24	24	24	24	16	16
Total									