Date Printed: 8/20/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/19/2017

Interval: 001h

	01_TempC_002m	02_TempC_015m	03_TempC_035m	04_TempC_060m	05_TempF_002m	06_TempF_015m	07_TempF_035m	08_TempF_060m	09_VTGrad_0215m
Hour	DEGC	DEGC	DEGC	DEGC	DEGF	DEGF	DEGF	DEGF	DEGC
00:00	19.1	20.1	21.0	21.7	66.4	68.1	69.8	71.1	.96
01:00	18.8	19.9	20.3	21.0	65.9	67.8	68.6	69.8	1.03
02:00	18.4	19.4	19.7	20.1	65.1	66.9	67.5	68.3	1.00
03:00	17.9	18.8	19.3	19.7	64.3	65.9	66.8	67.5	.88
04:00	17.6	18.6	18.9	19.3	63.7	65.5	65.9	66.6	.98
05:00	17.3	18.3	18.6	18.9	63.2	65.0	65.5	66.1	.97
06:00	17.1	18.2	18.4	18.6	62.8	64.8	65.1	65.6	1.10
07:00	17.3 P	18.1 P	18.4 P	18.9 P	P	P	P	P	P
08:00	19.7	19.4	19.2	19.2	67.4	67.0	66.6	66.6	-.26
09:00	22.0	21.5	21.3	21.2	71.5	70.8	70.4	70.2	-.42
10:00	24.7	24.1	23.8	23.6	76.5	75.4	74.9	74.5	-.61
11:00	26.9	26.1	25.8	25.6	80.5	79.0	78.5	78.1	-.85
12:00	28.0	27.0	26.7	26.5	82.3	80.6	80.1	79.7	-.96
13:00	28.8	27.7	27.4	27.3	83.9	81.9	81.4	81.1	-1.07
14:00	29.9	28.5	28.3	28.2	85.9	83.4	82.9	82.7	-1.37
15:00	30.3	29.2	28.9	28.7	86.5	84.5	84.0	83.7	-1.13
16:00	30.7	29.7	29.4	29.3	87.3	85.5	84.9	84.7	-.99
17:00	30.7	29.9	29.6	29.5	87.3	85.8	85.3	85.1	-.83
18:00	29.9	29.5	29.3	29.2	85.8	85.1	84.7	84.5	-.39
19:00	26.9	27.8	28.3	28.6	80.4	82.0	83.0	83.4	.88
20:00	24.1	25.5	26.4	26.8	75.4	77.8	79.6	80.3	1.36
21:00	22.8	24.5	24.9	25.3	73.1	76.1	76.8	77.5	1.65
22:00	22.1	21.0	24.0	24.6	71.9	73.9	75.2	76.4	1.14
23:00	21.5	22.5	22.8	23.6	70.6	72.4	73.1	74.6	.99
Avg	23.4	23.6	23.8	24.0	74.7	75.0	75.2	75.6	.18
Max	30.7	29.9	29.6	29.5	87.3	85.8	85.3	85.1	1.65
Hr. of Max	17	17	17	17	17	17	17	17	21
Min	17.1	18.1	18.4	18.6	62.8	64.8	65.1	65.6	-1.37
Count	24	24	24	24	23	23	23	23	23
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

8/19/2017

Interval: 001h

	10_VTGrad_0235m	11_VTGrad_0260m	12_VTGrad_1535m	13_VTGrad_1560m	14_DewPtC_002m	15_DewPtC_015m	17a_WBulbC	18_SoilTempC	19_RH_002m
Hour	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	PERCENT
00:00	1.87	2.58	.91	1.62	17.7	19.0	19.4	27.1	93.4
01:00	1.49	2.17	.46	1.15	17.6	19.5	19.6	26.9	94.3
02:00	1.31	1.74	.31	.74	17.2	19.1	19.2	26.6	94.7
03:00	1.39	1.81	.51	.93	16.8	18.5	18.6	26.3	95.0
04:00	1.24	1.64	.26	.66	16.5	18.3	18.4	26.1	95.3
05:00	1.26	1.58	.29	.61	16.3	18.0	18.1	25.8	95.4
06:00	1.24	1.51	.14	.41	16.1	17.9	18.0	25.6	95.5
07:00	P	P	P	P	P	P	P	25.4 P	96.0 P
08:00	-.44	-.44	-.18	-.18	17.2	18.6	18.9	25.1	87.6
09:00	-.62	-.72	-.20	-.29	17.7	18.1	19.3	25.0	78.3
10:00	-.88	-1.08	-.26	-.47	17.6	17.7	19.8	24.9	66.2
11:00	-1.11	-1.36	-.26	-.51	16.8	16.7	19.8	25.1	55.4
12:00	-1.24	-1.47	-.28	-.51	16.8	16.7	20.2	25.6	52.0
13:00	-1.37	-1.55	-.29	-.48	17.1	17.0	20.6	26.1	50.7
14:00	-1.63	-1.77	-.26	-.40	16.7	16.7	20.6	26.8	46.4
15:00	-1.40	-1.57	-.27	-.44	16.7	16.6	20.8	27.3	45.3
16:00	-1.33	-1.47	-.33	-.48	16.2	16.1	20.6	27.6	42.9
17:00	-1.09	-1.21	-.26	-.38	15.9	16.1	20.7	27.8	42.1
18:00	-.60	-.74	-.21	-.35	18.4	18.4	22.1	27.9	51.7
19:00	1.41	1.68	.53	.80	19.9	19.7	22.4	28.0	67.6
20:00	2.32	2.74	.96	1.38	19.7	19.8	21.7	28.0	78.3
21:00	2.05	2.44	.40	.79	19.4	20.9	22.1	27.9	83.0
22:00	1.83	2.50	.69	1.35	19.5	20.8	21.6	27.7	86.9
23:00	1.36	2.18	.38	1.19	19.2	20.6	21.2	27.5	89.2
Avg	.31	.49	.13	.31	17.5	18.3	20.2	26.6	74.3
Max	2.32	2.74	.96	1.62	19.9	20.9	22.4	28.0	96.0
Hr. of Max	20	20	20	00	19	21	19	20	07
Min	-1.63	-1.77	-.33	-.51	15.9	16.1	18.0	24.9	42.1
Count	23	23	23	23	23	23	23	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

8/19/2017

Interval: 001h

	20_RH_015m	21_AbsHum_002m	22_AbsHum_015m	23_Mix Ratio_002m	24_Mix Ratio_015m	27_VaporPr_002m	28_VaporPr_015m	34_Precip_In	36_BarPres_In
Hour	PERCENT	G/M3	G/M3	COUNT	COUNT	KPa	KPa	INCHES	INHG
00:00	95.9	15.0	16.3	0.013089	0.014264	20.3	22.1	.00	29.07
01:00	100.0	15.0	16.8	0.012994	0.014681	20.1	22.7	.00	29.07
02:00	100.1	14.6	16.4	0.012697	0.014294	19.7	22.1	.00	29.07
03:00	100.2	14.3	15.8	0.012362	0.013779	19.2	21.3	.00	29.07
04:00	100.3	14.1	15.6	0.012143	0.013598	18.9	21.1	.00	29.08
05:00	100.2	13.9	15.4	0.011955	0.013352	18.6	20.7	.00	29.08
06:00	100.2	13.7	15.3	0.011821	0.013291	18.4	20.6	.00	29.08
07:00	100.2 P	P	P	P	P	P	P	.00 P	29.09 P
08:00	97.1	14.6	15.9	0.012695	0.013843	19.7	21.5	.00	29.11
09:00	82.8	14.9	15.3	0.013066	0.013446	20.3	20.9	.00	29.11
10:00	69.4	14.7	14.9	0.013027	0.013147	20.2	20.4	.00	29.11
11:00	57.7	14.0	13.9	0.01246	0.012356	19.4	19.2	.00	29.11
12:00	54.8	13.9	13.9	0.01244	0.012379	19.3	19.2	.00	29.10
13:00	53.6	14.2	14.1	0.012739	0.012638	19.8	19.6	.00	29.09
14:00	50.0	13.8	13.8	0.012437	0.012357	19.3	19.2	.00	29.08
15:00	47.9	13.7	13.7	0.012407	0.01228	19.2	19.1	.00	29.07
16:00	45.0	13.3	13.3	0.01204	0.011934	18.7	18.5	.00	29.05
17:00	44.6	13.1	13.2	0.011816	0.011917	18.3	18.5	.00	29.05
18:00	52.9	15.3	15.3	0.013826	0.013827	21.4	21.4	.00	29.04
19:00	63.2	16.9	16.6	0.015156	0.014932	23.4	23.1	.00	29.04
20:00	72.9	16.8	16.9	0.014898	0.015041	23.0	23.2	.00	29.06
21:00	82.4	16.6	18.0	0.014629	0.016049	22.6	24.8	.00	29.08
22:00	88.1	16.7	18.0	0.014677	0.015937	22.7	24.6	.00	29.10
23:00	91.4	16.4	17.8	0.014436	0.015712	22.4	24.3	.00	29.11
Avg	77.1	14.8	15.5	0.013035	0.013698	20.2	21.2	.00	29.08
Max	100.3	16.9	18.0	0.015156	0.016049	23.4	24.8	.00	29.11
Hr. of Max	04	19	22	19	21	19	21	23	23
Min	44.6	13.1	13.2	0.011816	0.011917	18.3	18.5	.00	29.04
Count	24	23	23	23	23	23	23	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

8/19/2017

Interval: 001h

	37_BarPres_Mb	38_SolarRad_Wm2	41_WDir_035m	42_WDir_060m	46_SWDir_015m	47_SWDir_060m	51_Sigma_035m	52_Sigma_060m	53_SSigma_015m
Hour	KPa	W/M2	DEG	DEG	DEG	DEG	DEG	DEG	DEG
00:00	984.6	-1.2	236.8	240.3	248.3	235.0	19.2	9.2	17.4
01:00	984.5	-1.3	37.4	113.1	333.3	102.7	39.3	36.2	34.1
02:00	984.4	-1.3	59.0	57.2	340.7	51.0	52.3	21.6	44.3
03:00	984.5	-1.3	350.9	41.4	253.3	27.4	60.0	25.2	13.1
04:00	984.8	-1.3	224.8	202.7	268.0	198.2	11.2	16.3	18.0
05:00	984.9	-1.2	18.6	357.0	317.8	347.0	41.9	35.2	53.4
06:00	984.7	-.7	46.5	62.5	349.6	53.5	17.0	12.3	34.4
07:00	985.3 P	42.5 P	308.5 P	95.4 P	234.0 P	75.9 P	32.6 P	36.8 P	48.7 P
08:00	985.7	218.3	334.6	50.3	218.5	30.6	43.4	43.7	60.6
09:00	985.8	468.4	81.7	74.5	84.4	64.5	26.2	26.0	40.8
10:00	985.9	688.0	103.9	92.9	107.1	83.4	41.5	35.6	44.1
11:00	985.7	858.7	127.6	123.6	135.4 +	116.8	59.1	51.3	60.7 +
12:00	985.5	968.6	131.8	128.7	125.7	119.2	38.1	34.4	41.9
13:00	985.1	989.9	128.8	129.5	124.3	122.4	33.6	34.0	32.3
14:00	984.8	977.0	201.3	193.0	195.3	205.9	49.0	51.0	52.1
15:00	984.4	894.7	158.8	152.4	152.7	146.3	44.6	39.8	45.5
16:00	983.9	760.6	235.6	233.7	230.3	229.3	25.1	22.6	32.3
17:00	983.7	425.2	248.0	244.9	235.9	241.2	29.0	24.2	29.6
18:00	983.5	278.0	236.8	229.6	226.4	224.5	23.6	18.5	23.6
19:00	983.6	94.5	223.0	202.8	264.3	198.7	9.2	5.9	15.8
20:00	984.0	4.4	54.4	88.5	324.0	79.4	43.8	14.3	39.4
21:00	984.7	-1.2	64.5	59.6	348.4	51.3	19.9	8.1	50.0
22:00	985.4	-1.2	274.9	66.1	270.6	47.4	37.2	41.7	22.9
23:00	985.8	-1.2	228.1	205.4	259.8	204.3	16.7	34.1	50.6
Avg	984.8	319.0	158.0	120.0	249.0	108.0	33.9	28.3	37.7
Max	985.9	989.9	350.9	357.0	349.6	347.0	60.0	51.3	60.7
Hr. of Max	10	13	03	05	06	05	03	11	11
Min	983.5	-1.3	18.6	41.4	84.4	27.4	9.2	5.9	13.1
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)

8/19/2017

Interval: 001h

	54_SSigma_060m	56_RWSpd_035m	57_RWSpd_060m	59_WSpd_035m	60_WSpd_060m	66_HSSpd_015m	67_HSSpd_060m	70_WElev_015m	71_WElev_060m
Hour	DEG	MPH	MPH	MPH	MPH	MPH	MPH	DEG	DEG
00:00	9.2	1.3	2.4	1.4	2.5	1.4	2.7	2.2	1.2
01:00	37.7	.7	.4	.8	.6	.9	.9	.2	-1.7
02:00	34.1	.8	1.3	.8	1.3	.8	1.5	2.1	.2
03:00	25.1	.3	.6	.3	.9	1.4	1.2	.5	.0
04:00	16.3	1.6	1.2	1.6	1.3	1.2	1.6	.5	-.8
05:00	41.8	.3	.5	.9	.6	.8	1.0	3.9	.8
06:00	12.5	1.5	2.1	1.7	2.4	1.0	2.5	.4	1.3
07:00	44.2 P	.3 P	.8 P	2.0 P	2.0 P	1.5 P	2.2 P	2.8 P	.6 P
08:00	46.6	.2	.6	.9	1.1	1.1	1.4	6.1	-.5
09:00	28.2	1.6	1.8	1.9	2.1	2.0	2.6	-4.3	-1.0
10:00	37.8	1.9	2.0	2.3	2.4	2.7	3.0	.8	2.9
11:00	54.7	1.7	1.9	2.3	2.6	2.9	3.1	.7	4.6
12:00	36.9	2.4	2.8	2.9	3.2	3.6	3.9	1.8	1.2
13:00	35.2	2.6	2.6	3.6	3.4	4.0	4.1	-1.7	.4
14:00	50.9	.8	.5	2.3	2.2	2.9	2.9	-1.7	-8.5
15:00	40.1	2.5	2.7	3.3	3.6	3.9	4.2	1.8	2.4
16:00	22.8	3.8	4.3	4.2	4.7	4.1	5.2	3.8	-2.5
17:00	24.7	3.0	3.3	3.4	3.7	3.4	4.2	-1.9	-4.1
18:00	19.0	2.8	3.4	3.1	3.7	2.8	4.0	1.5	5.8
19:00	6.6	2.1	3.6	2.1	3.7	1.7	3.9	.0	-.6
20:00	15.6	1.3	1.5	1.6	2.0	1.0	2.2	.0	-.2
21:00	9.6	1.4	2.0	1.4	2.1	1.0	2.2	.6	.0
22:00	47.2	.2	.1	.4	.1	1.3	.4	.7	-1.5
23:00	46.0	1.7	2.0	1.7	2.1	1.4	2.3	1.8	1.8
Avg	31.0	.0	.0	2.0	2.3	2.0	2.6	.9	.1
Max	54.7	3.8	4.3	4.2	4.7	4.1	5.2	6.1	5.8
Hr. of Max	11	16	16	16	16	16	16	08	18
Min	6.6	.2	.1	.3	.1	.8	.4	-4.3	-8.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/19/2017

Interval: 001h

	72_VSSpd_015m	73_VSSpd_060m	80_PkWsH_035m	81_PkWsH_060m	82_SPkWsH_015m	84_SigPhi_015m	85_SigPhi_060m	36_SonicTemp_015m	37_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	.05	.07	5.3	8.2	2.5	5.6	2.6	21.3	22.9
01:00	.00	-.03	2.1	4.1	2.2	9.0	6.6	21.2	22.2
02:00	.03	.01	2.3	2.7	1.8	7.6	4.1	20.6	21.2
03:00	.01	.00	1.8	2.5	2.7	5.1	6.6	20.0	20.8
04:00	.01	-.02	2.7	2.7	2.5	7.7	6.1	19.8	20.4
05:00	.06	.03	5.0	2.5	2.2	6.7	9.2	19.4	19.9
06:00	.01	.07	3.2	4.6	2.2	7.8	4.1	19.4	19.6
07:00	.05 P	.03 P	<	<	<	<	<	19.2 P	19.7 P
08:00	.16	.00	3.2	3.4	4.4	24.1	18.5	20.8	20.3
09:00	-.21	-.18	4.8	6.6	4.9	27.5	27.1	22.9	22.3
10:00	.01	.22	6.2	6.2	6.3	27.9	29.6	25.4	24.6
11:00	.09	.22	8.5	8.2	10.1	27.5	29.7	27.2	26.4
12:00	.16	.22	8.2	8.2	9.6	23.5	32.0	28.0	27.2
13:00	-.14	.16	9.8	8.9	9.2	23.3	28.7	28.7	27.9
14:00	-.05	-.40	7.3	7.6	9.0	28.0	36.1	29.5	28.8
15:00	.14	.14	8.7	8.5	10.7	23.2	27.4	30.0	29.3
16:00	.12	-.31	11.4	10.1	10.9	21.4	17.8	30.5	29.5
17:00	-.14	-.24	7.8	7.8	7.9	18.6	20.4	30.7	29.9
18:00	-.02	.29	9.4	7.6	7.1	17.2	16.2	30.6	29.9
19:00	-.02	-.04	8.0	10.5	5.4	7.9	4.0	29.0	20.8
20:00	.00	-.01	2.7	6.0	3.8	8.9	3.9	26.7	28.0
21:00	.01	.00	3.9	5.0	2.5	6.8	3.0	25.9	26.6
22:00	.02	-.02	2.1	2.1	3.1	5.7	7.3	24.8	25.9
23:00	.04	.09	4.1	4.8	4.0	8.1	6.1	23.9	24.9
Avg	.02	.01	5.6	6.0	5.4	15.2	15.1	24.8	24.5
Max	.16	.29	11.4	10.5	10.9	28.0	36.1	30.7	29.9
Hr. of Max	12	18	16	19	16	14	14	17	18
Min	-.21	-.40	1.8	2.1	1.8	5.1	2.6	19.2	19.6
Count	24	24	23	23	23	23	23	24	24
Total									