Date Printed: 8/15/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/14/2017

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	23.3	23.8	23.8	23.9	73.9	74.8	74.8	75.1	.50
01:00	22.5	23.1	23.4	23.6	72.6	73.6	74.1	74.5	.57
02:00	22.1	22.6	22.8	23.0	71.8	72.7	73.0	73.4	.47
03:00	22.2	22.3	22.3	22.6	71.9	72.1	72.2	72.8	.09
04:00	22.1	22.2	22.2	22.4	71.8	72.0	72.0	72.3	.06
05:00	22.2	22.3	22.2	22.4	72.0	72.1	72.0	72.3	.08
06:00	22.1	22.3	22.2	22.4	71.8	72.2	72.0	72.4	.23
07:00	22.4	22.5	22.4	22.6	72.2	72.6	72.3	72.7	.18
08:00	23.0	22.9	22.6	22.9	73.4	73.2	72.7	73.2	-.09
09:00	24.6	24.2	23.8	23.9	76.3	75.6	74.8	75.0	-.37
10:00	25.9	25.4	25.2	25.1	78.7	77.8	77.4	77.1	-.49
11:00	27.3	26.6	26.3	26.1	81.1	79.8	79.4	79.0	-.70
12:00	28.0	27.2	27.0	26.8	82.4	81.0	80.6	80.2	-.73
13:00	28.6	27.8	27.5	27.5	83.4	82.0	81.6	81.4	-.78
14:00	29.0	28.3	28.0	27.9	84.2	82.9	82.4	82.3	-.76
15:00	28.8	28.1	27.8	27.7	83.8	82.6	82.1	81.9	-.66
16:00	29.3	28.6	28.3	28.2	84.8	83.4	82.9	82.7	-.75
17:00	28.7	28.3	28.0	27.9	83.6	82.9	82.5	82.3	-.43
18:00	27.5	27.1	26.9	26.8	81.4	80.8	80.4	80.2	-.34
19:00	25.7	25.6	25.5	25.5	78.2	78.0	77.9	78.0	-.11
20:00	24.3	24.6	24.7	24.8	75.8	76.3	76.4	76.7	.30
21:00	23.8	23.8	23.7	23.7	74.9	74.9	74.7	74.7	.03
22:00	23.3	23.3	23.5	23.7	73.9	73.9	74.3	74.7	.04
23:00	22.8	23.0	23.3	23.5	73.0	73.4	73.9	74.3	.20
Avg	25.0	24.8	24.7	24.8	77.0	76.7	76.5	76.6	-.14
Max	29.3	28.6	28.3	28.2	84.8	83.4	82.9	82.7	.57
Hr. of Max	16	16	16	16	16	16	16	16	01
Min	22.1	22.2	22.2	22.4	71.8	72.0	72.0	72.3	-.78
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/14/2017

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	.50	.67	.01	.17	21.8	23.3	23.5	26.6	94.0
01:00	.88	1.05	.31	.48	21.2	22.7	22.8	26.4	94.6
02:00	.64	.90	.17	.43	20.8	22.2	22.3	26.3	94.8
03:00	.16	.47	.07	.38	21.0	21.9	22.0	26.1	95.6
04:00	.09	.26	.02	.20	21.0	21.9 +	22.0 +	26.0	95.9
05:00	-.01	.18	-.09	.10	21.1	<	<	25.8	95.8
06:00	.15	.33	-.09	.10	20.9	22.2 +	22.2 +	25.7	95.4
07:00	.07	.24	-.11	.06	21.2	22.4 +	22.5 +	25.6	95.9
08:00	-.41	-.12	-.31	-.02	21.7	22.6	22.7	25.5	94.6
09:00	-.82	-.73	-.45	-.35	21.2	22.2	22.9	25.4	83.6
10:00	-.73	-.85	-.24	-.36	20.8	20.9	22.4	25.4	75.2
11:00	-.95	-1.14	-.26	-.45	20.4	20.5	22.5	25.5	68.0
12:00	-.99	-1.17	-.26	-.44	20.2	20.4	22.7	25.8	64.6
13:00	-1.03	-1.10	-.24	-.32	20.3	20.6	23.0	26.1	62.9
14:00	-1.03	-1.10	-.28	-.34	20.8	21.3	23.6	26.5	63.1
15:00	-.94	-1.03	-.28	-.36	21.6	22.0	24.0	26.8	67.5
16:00	-1.03	-1.16	-.29	-.42	20.6	21.0	23.5	27.0	61.2
17:00	-.64	-.74	-.21	-.31	21.2	21.6	23.8	27.2	66.1
18:00	-.56	-.65	-.22	-.31	20.6	21.1	23.1	27.3	68.5
19:00	-.19	-.13	-.08	-.02	21.4	21.9	23.1	27.4	79.6
20:00	.36	.51	.06	.21	21.7	22.4	23.2	27.3	87.9
21:00	-.10	-.09	-.13	-.12	21.4	22.4	22.9	27.2	88.5
22:00	.25	.45	.21	.41	21.2	22.3	22.7	27.1	90.6
23:00	.50	.73	.30	.53	21.2	22.5	22.7	26.9	93.1
Avg	-.24	-.18	-.10	-.03	21.1	21.8	22.9	26.4	82.4
Max	.88	1.05	.31	.53	21.8	23.3	24.0	27.4	95.9
Hr. of Max	01	01	01	23	00	00	15	19	07
Min	-1.03	-1.17	-.45	-.45	20.2	20.4	22.0	25.4	61.2
Count	24	24	24	24	24	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)

8/14/2017

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	100.1	19.2	20.9	0.017028	0.01868	26.2	28.7	.00	29.04
01:00	100.2	18.5	20.2	0.016388	0.01797	25.2	27.6	.00	29.03
02:00	100.4	18.1	19.7	0.01603	0.017454	24.7	26.8	.00	29.02
03:00	100.4	18.3	19.3	0.016204	0.017113	24.9	26.3	.00	29.01
04:00	101.2 +	18.3	19.4 +	0.016226	0.017158 +	25.0	26.4 +	.00	29.01
05:00	<	18.4	<	0.016297	<	25.1	<	.00	29.02
06:00	102.0 +	18.2	19.7 +	0.0161	0.017437 +	24.8	26.8 +	.00	29.03
07:00	102.0 +	18.6	19.9 +	0.016426	0.017671 +	25.3	27.2 +	.00	29.04
08:00	100.7	19.0	20.1	0.016857	0.017835	26.0	27.4	.00	29.06
09:00	91.4	18.4	19.6	0.0164	0.017522	25.3	26.9	.00	29.04
10:00	78.3	17.8	18.1	0.015976	0.016143	24.6	24.9	.00	29.04
11:00	71.3	17.4	17.5	0.015625	0.015733	24.1	24.3	.00	29.03
12:00	68.0	17.2	17.4	0.015488	0.015604	23.9	24.1	.00	29.02
13:00	67.0	17.3	17.6	0.015609	0.015881	24.1	24.5	.00	29.01
14:00	68.0	17.8	18.3	0.016088	0.016578	24.8	25.5	.00	29.00
15:00	71.7	18.7	19.1	0.016958	0.017343	26.0	26.6	.00	28.98
16:00	65.5	17.5	18.0	0.015878	0.016277	24.4	25.0	.00	28.97
17:00	69.5	18.2	18.7	0.016543	0.016962	25.4	26.0	.00	28.96
18:00	71.6	17.7	18.1	0.015935	0.01634	24.5	25.1	.00	28.95
19:00	82.8	18.6	19.2	0.016658	0.017207	25.6	26.4	.00	28.96
20:00	90.2	19.0	19.8	0.017007	0.017756	26.1	27.2	.01	28.97
21:00	94.5	18.6	19.9	0.016603	0.01776	25.5	27.2	.00	28.97
22:00	97.0	18.4	19.8	0.016414	0.017631	25.2	27.1	.00	28.98
23:00	100.0	18.5	20.0	0.016409	0.017835	25.2	27.4	.00	28.98
Avg	86.7	18.2	19.1	0.016298	0.017126	25.1	26.3	.00	29.01
Max	102.0	19.2	20.9	0.017028	0.01868	26.2	28.7	.01	29.06
Hr. of Max	07	00	00	00	00	00	00	20	08
Min	65.5	17.2	17.4	0.015488	0.015604	23.9	24.1	.00	28.95
Count	23	24	23	24	23	24	23	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/14/2017

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	983.4	-1.3	43.9	69.8	12.4	59.6	32.3	9.2	33.9
01:00	983.0	-1.3	43.2	60.8	272.3	52.3	25.9	22.9	45.0
02:00	982.7	-1.3	247.4	227.3	245.7	223.1	14.1	12.5	17.8
03:00	982.6	-1.3	236.7	176.6	274.8	170.2	29.3	30.4	35.6
04:00	982.5	-1.3	40.3	71.3	350.8	59.3	14.0	13.4	33.8
05:00	982.7	-1.3	61.3	66.4	39.5	57.7	18.2	8.9	30.2
06:00	983.2	-1.0	68.6	78.7	346.9	71.4	13.8	11.8	50.8
07:00	983.6	20.9	18.6	38.9	357.7	28.4	19.8	15.1	35.3
08:00	984.0	95.0	27.4	30.8	13.7	19.7	19.1	16.5	37.7
09:00	983.5	384.4	103.4	101.2	99.4	94.1	36.8	34.4	35.6
10:00	983.3	435.4	123.5	134.3	129.5	120.4	53.8	55.7	59.3
11:00	983.2	685.3	166.3	161.9	152.7	155.1	47.8	35.3	60.7
12:00	982.9	644.0	193.8	190.4	185.1	185.6	32.1	28.1	40.3
13:00	982.5	572.4	244.7	243.2	229.5	239.2	32.7	27.1	39.7
14:00	982.0	504.9	264.4	258.5	255.8	253.9	25.6	20.7	29.2
15:00	981.5	431.4	248.0	245.6	242.4	241.2	20.4	16.7	26.1
16:00	980.9	566.5	239.5	236.7	234.8	232.4	21.6	17.3	27.6
17:00	980.6	242.5	224.7	221.2	216.2	216.8	19.3	16.2	27.8
18:00	980.4	204.5	195.5	185.9	194.6	181.1	20.7	21.4	23.5
19:00	980.8	39.2	219.6	209.6	225.6	205.7	15.5	11.1	18.6
20:00	981.0	.0	292.6	282.4	295.9	275.0	27.4	20.5	40.6
21:00	981.1	-1.2	39.7	39.0	36.4	29.7	17.8	14.8	28.4
22:00	981.4	-1.3	43.7	101.6	336.7	93.6	31.4	13.4	35.1
23:00	981.4	-1.2	231.9	190.5	260.2	185.9	19.2	21.6	23.3
Avg	982.3	200.6	216.0	155.0	272.0	150.0	25.4	20.6	34.8
Max	984.0	685.3	292.6	282.4	357.7	275.0	53.8	55.7	60.7
Hr. of Max	08	11	20	20	07	20	10	10	11
Min	980.4	-1.3	18.6	30.8	12.4	19.7	13.8	8.9	17.8
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)

8/14/2017

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	11.5	1.0	1.7	1.4	1.7	1.2	1.9	1.5	.2
01:00	33.5	.2	.7	.8	.8	1.3	1.1	2.3	-1.1
02:00	12.5	1.0	1.9	1.0	1.9	1.4	2.1	2.1	.9
03:00	33.6	.8	.7	1.0	1.1	1.3	1.5	.0	.5
04:00	15.1	.9	1.4	1.1	1.5	.9	1.7	1.2	-.1
05:00	9.4	1.6	2.3	1.9	2.4	1.2	2.6	.0	-.7
06:00	13.2	.8	1.4	1.0	1.5	.9	1.7	2.1	-.8
07:00	17.6	1.6	1.8	1.7	1.9	1.0	2.1	-1.6	-1.8
08:00	16.4	2.5	3.1	3.0	3.6	1.8	3.8	-2.2	.0
09:00	36.3	2.1	2.5	2.5	2.8	2.7	3.3	-.4	6.0
10:00	59.0	.9	.8	1.3	1.0	1.9	1.7	5.5	-2.6
11:00	38.8	2.1	2.5	2.8	3.1	3.2	3.7	5.2	4.8
12:00	29.6	3.4	3.6	4.0	4.2	4.2	4.7	2.8	7.2
13:00	28.7	2.7	3.0	3.2	3.4	3.3	3.9	1.2	2.8
14:00	20.7	4.0	4.6	4.4	4.9	4.0	5.3	-2.2	-2.0
15:00	16.8	5.2	6.2	5.5	6.5	4.6	6.9	1.2	-.2
16:00	17.0	6.1	7.2	6.5	7.6	5.2	8.1	1.8	.1
17:00	15.9	3.5	4.7	3.8	4.9	3.0	5.3	3.8	1.5
18:00	20.3	4.2	4.8	4.4	5.1	3.9	5.4	.8	2.4
19:00	11.3	2.8	3.9	3.0	4.0	2.3	4.3	-.7	.1
20:00	19.3	2.4	3.5	3.2	4.7	2.0	5.0	-1.3	-3.3
21:00	14.1	3.1	3.5	3.4	4.1	2.4	4.4	-5.2	-1.9
22:00	13.9	1.5	2.1	2.2	2.6	1.8	2.8	-4.0	-.3
23:00	22.1	2.0	2.5	2.1	2.8	1.7	3.1	-1.2	-.9
Avg	21.9	.0	.0	2.7	3.3	2.4	3.6	.5	.5
Max	59.0	6.1	7.2	6.5	7.6	5.2	8.1	5.5	7.2
Hr. of Max	10	16	16	16	16	16	16	10	12
Min	9.4	.2	.7	.8	.8	.9	1.1	-5.2	-3.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/14/2017

Interval: 001h

	72_VSSpd_015m	73_VSSpd_060m	80_PkWsH_035m	81_PkWsH_060m	82_SPkWsH_015m	84_SigPhi_015m	85_SigPhi_060m	86_SonicTemp_015m	87_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	.02	.02	2.7	3.7	2.3	8.4	4.8	25.6	25.5
01:00	.05	.00	3.2	3.4	2.8	8.7	8.3	24.8	25.1
02:00	.03	.03	3.9	3.2	3.2	7.2	3.7	24.3	24.6
03:00	-.03	.02	7.3	5.5	3.5	8.0	5.2	23.9	24.1
04:00	.00	.00	2.7	2.7	2.4	13.0	5.9	23.9	23.8
05:00	-.03	-.03	4.4	4.4	3.0	12.9	4.0	24.0	23.8
06:00	.03	-.01	3.4	3.0	2.6	12.2	9.8	24.0	23.9
07:00	-.05	-.07	4.1	3.4	2.6	14.3	8.7	24.2	24.1
08:00	-.12	-.02	6.2	6.2	5.6	19.4	10.5	24.7	24.4
09:00	.01	.32	6.6	6.9	6.6	22.3	25.9	26.0	25.4
10:00	.16	-.27	3.9	4.1	4.6	30.0	38.9	27.1	26.6
11:00	.19	.32	8.5	8.2	9.3	25.8	28.5	28.1	27.3
12:00	.15	.59	7.8	7.8	8.0	17.9	20.3	28.6	27.8
13:00	-.05	.03	8.0	8.5	9.9	22.6	23.9	29.1	28.4
14:00	-.31	-.38	11.0	9.6	10.3	19.1	18.5	29.7	28.9
15:00	-.14	-.17	12.6	14.0	12.6	17.5	11.4	29.7	28.9
16:00	-.06	-.10	19.0	22.0	11.8	19.3	13.1	29.9	29.1
17:00	.11	.07	14.7	16.7	8.6	20.6	12.3	29.8	29.1
18:00	-.01	.02	19.7	16.9	14.7	17.2	16.5	28.6	28.0
19:00	-.05	-.01	11.4	11.4	7.3	10.7	6.4	27.2	26.9
20:00	-.11	-.32	6.9	9.6	5.7	18.4	10.8	26.3	26.2
21:00	-.28	-.19	7.6	9.8	5.8	15.6	9.6	25.6	25.1
22:00	-.19	-.01	9.6	7.3	4.6	11.3	7.6	25.0	25.1
23:00	-.05	-.07	5.3	6.2	5.2	9.5	10.4	24.7	25.0
Avg	-.03	-.01	7.9	8.1	6.4	15.9	13.1	26.5	26.1
Max	.19	.59	19.7	22.0	14.7	30.0	38.9	29.9	29.1
Hr. of Max	11	12	18	16	18	10	10	16	17
Min	-.31	-.38	2.7	2.7	2.3	7.2	3.7	23.9	23.8
Count	24	24	24	24	24	24	24	24	24
Total									