Date Printed: 8/11/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/10/2017

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	21.3	21.3	21.4	21.7	70.3	70.3	70.5	71.0	.00
01:00	20.8	20.8	21.1	21.6	69.5	69.4	70.0	70.8	-.04
02:00	20.1	20.4	20.6	21.2	68.1	68.6	69.1	70.2	.28
03:00	20.3	20.5	20.7	21.1	68.5	68.9	69.3	70.0	.22
04:00	20.6	20.7	20.9	21.2	69.1	69.2	69.7	70.2	.08
05:00	20.7	20.7	21.0	21.3	69.3	69.2	69.8	70.3	-.07
06:00	20.8	20.7	21.0	21.3	69.4	69.3	69.7	70.4	-.03
07:00	20.9	20.9	21.0	21.3	69.6	69.6	69.7	70.3	-.04
08:00	21.3	21.1	21.0	21.0	70.3	70.0	69.7	69.8	-.18
09:00	21.5	21.3	21.1	21.1	70.7	70.3	70.0	70.0	-.18
10:00	22.3	21.9	21.7	21.6	72.1	71.4	71.0	70.8	-.37
11:00	23.0	22.6	22.4	22.2	73.3	72.7	72.3	72.0	-.37
12:00	23.4	23.1	22.9	22.7	74.0	73.5	73.1	72.9	-.30
13:00	24.0	23.7	23.5	23.4	75.2	74.6	74.2	74.0	-.36
14:00	24.9	24.5	24.3	24.2	76.8	76.1	75.7	75.5	-.42
15:00	25.7	25.2	24.9	24.7	78.2	77.3	76.8	76.5	-.51
16:00	26.7	26.0	25.7	25.5	80.1	78.8	78.3	78.0	-.73
17:00	27.0	26.4	26.1	25.9	80.6	79.5	79.0	78.6	-.64
18:00	26.9	26.5	26.2	26.0	80.5	79.6	79.2	78.9	-.48
19:00	25.4	25.8	26.0	26.0	77.7	78.4	78.8	78.8	.43
20:00	23.3	23.9	24.5	25.0	73.9	74.9	76.2	77.1	.57
21:00	22.4	23.2	23.7	24.0	72.3	73.8	74.6	75.2	.79
22:00	22.0	22.7	22.8	23.1	71.6	72.9	73.1	73.5	.72
23:00	22.3	22.8	22.8	23.0	72.1	73.1	73.1	73.4	.59
Avg	22.8	22.8	22.8	22.9	73.1	73.0	73.0	73.3	-.04
Max	27.0	26.5	26.2	26.0	80.6	79.6	79.2	78.9	.79
Hr. of Max	17	18	18	19	17	18	18	18	21
Min	20.1	20.4	20.6	21.0	68.1	68.6	69.1	69.8	-.73
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/10/2017

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	.13	.38	.12	.37	20.1	20.8	21.0	25.9	95.5
01:00	.26	.75	.30	.79	19.8	20.4	20.5	25.7	96.3
02:00	.56	1.17	.28	.89	19.3	20.0	20.1	25.5	97.4
03:00	.45	.81	.23	.60	19.4	20.2	20.3	25.3	97.1
04:00	.32	.59	.25	.51	19.7	20.3	20.5	25.2	96.9
05:00	.29	.54	.36	.61	19.8	20.3	20.4	25.0	96.8
06:00	.19	.56	.22	.58	19.8	20.4	20.5	24.9	96.5
07:00	.07	.37	.11	.40	19.9	20.5	20.6	24.8	96.5
08:00	-.32	-.28	-.15	-.11	20.3	20.7	20.8	24.6	96.2
09:00	-.37	-.37	-.19	-.19	20.4	20.9	21.0	24.6	95.9
10:00	-.59	-.72	-.21	-.34	20.7	21.1	21.4	24.5	93.0
11:00	-.56	-.71	-.20	-.34	20.3	20.5	21.2	24.5	87.4
12:00	-.50	-.62	-.21	-.33	20.4	20.8	21.5	24.6	85.6
13:00	-.55	-.67	-.19	-.30	20.3	20.7		24.7	81.9
14:00	-.63	-.75	-.21	-.33	20.0	20.3	21.7	24.8	76.4
15:00	-.76	-.92	-.26	-.41	20.0	20.1	21.8	24.9	73.0
16:00	-1.02	-1.20	-.28	-.47	20.1	20.1	22.1	25.1	68.9
17:00	-.93	-1.13	-.28	-.49	19.9	20.1	22.2	25.3	67.0
18:00	-.73	-.90	-.26	-.42	19.8	20.0	22.2	25.6	66.6
19:00	.60	.64	.17	.21	20.3	20.4	22.2	25.7	75.9
20:00	1.26	1.76	.70	1.19	20.7	21.2	22.1	25.8	87.6
21:00	1.25	1.59	.46	.79	20.6	21.8	22.2	25.7	91.8
22:00	.84	1.08	.12	.35	20.5	22.2	22.4	25.6	93.6
23:00	.58	.76	-.01	.17	20.8	22.3	22.5	25.5	93.6
Avg	-.01	.11	.04	.16	20.1	20.7	21.4	25.2	87.8
Max	1.26	1.76	.70	1.19	20.8	22.3	22.5	25.9	97.4
Hr. of Max	20	20	20	20	23	23	23	00	02
Min	-1.02	-1.20	-.28	-.49	19.3	20.0	20.1	24.5	66.6
Count	24	24	24	24	24	24	23	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

8/10/2017

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	99.5	17.4	18.1	0.015214	0.01585	23.6	24.6	.00	29.24
01:00	100.2	17.1	17.7	0.014932	0.015485	23.2	24.0	.00	29.23
02:00	100.3	16.6	17.3	0.014403	0.015093	22.4	23.4	.00	29.22
03:00	100.3	16.7	17.5	0.014571	0.015249	22.6	23.7	.00	29.22
04:00	100.2	17.0	17.6	0.014828	0.015416	23.0	23.9	.00	29.22
05:00	100.3	17.1	17.6	0.014935	0.015395	23.2	23.9	.00	29.21
06:00	100.2	17.1	17.7	0.014901	0.015451	23.2	24.0	.00	29.22
07:00	100.0	17.2	17.8	0.015026	0.015539	23.4	24.1	.00	29.23
08:00	100.1	17.5	18.0	0.015328	0.015779	23.8	24.5	.01	29.24
09:00	100.1	17.7	18.2	0.015465	0.015961	24.0	24.8	.20	29.25
10:00	97.7	17.9	18.4	0.015742	0.016148	24.4	25.1	.00	29.25
11:00	90.0	17.5	17.7	0.015416	0.015532	24.0	24.1	.00	29.25
12:00	89.2	17.6	18.0	0.015474	0.015827	24.0	24.6	.00	29.25
13:00	85.6	17.5	17.9	0.015415	0.015751	24.0	24.5	.00	29.24
14:00	79.4	17.1	17.4	0.015167	0.015361	23.6	23.9	.00	29.23
15:00	75.4	17.1	17.1	0.015166	0.015188	23.6	23.6	.00	29.22
16:00	71.9	17.1	17.2	0.01527	0.015269	23.7	23.7	.00	29.18
17:00	70.4	16.9	17.1	0.015115	0.015284	23.4	23.7	.00	29.17
18:00	69.5	16.7	17.0	0.014949	0.015175	23.2	23.5	.00	29.17
19:00	74.2	17.4	17.5	0.015471	0.015541	24.0	24.1	.00	29.16
20:00	87.6	17.9	18.5	0.015802	0.016352	24.5	25.3	.00	29.17
21:00	94.2	17.8	19.1	0.015706	0.016901	24.3	26.1	.00	29.17
22:00	99.4	17.8	19.6	0.015628	0.017329	24.2	26.8	.00	29.18
23:00	99.8	18.0	19.8	0.015847	0.017509	24.6	27.1	.00	29.20
Avg	91.1	17.3	17.9	0.01524	0.015766	23.7	24.5	.01	29.21
Max	100.3	18.0	19.8	0.015847	0.017509	24.6	27.1	.20	29.25
Hr. of Max	05	23	23	23	23	23	23	09	12
Min	69.5	16.6	17.0	0.014403	0.015093	22.4	23.4	.00	29.16
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/10/2017

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	990.2	-1.3	330.5	298.9	347.8	293.0	47.9	30.0	44.5
01:00	990.0	-1.3	279.6	305.7	270.7	208.2	23.6	28.7	22.9
02:00	989.7	-1.3	238.7	211.5	274.6	181.0	17.0	52.5	20.0
03:00	989.5	-1.3	27.6	156.1	323.2	149.7	34.7	22.0	45.8
04:00	989.5	-1.3	36.7	90.6	316.9	81.4	27.4	24.6	45.6
05:00	989.3	-1.3	333.0	167.1	263.9	162.7	25.6	20.7	31.6
06:00	989.7	-.8	245.6	205.8	262.8	201.6	10.3	8.4	20.5
07:00	990.0	14.4	222.3	202.0	249.7	198.4	19.7	12.5	25.4
08:00	990.2	54.9	242.6	231.1	239.0	227.1	18.2	12.9	31.1
09:00	990.4	87.6	242.4	239.5	232.9	235.2	14.8	11.0	21.7
10:00	990.5	284.6	199.1	194.4	195.6	190.0	28.5	25.2	31.7
11:00	990.5	241.6	215.4	208.8	216.5	204.5	28.4	21.3	34.6
12:00	990.5	182.6	206.6	196.2	198.9	192.6	37.5	36.4	44.3
13:00	990.4	292.1	201.1	197.6	197.6	192.9	21.8	19.8	26.2
14:00	989.9	398.1	207.0	206.6	191.3	202.1	27.2	23.0	33.3
15:00	989.4	538.1	182.3	186.9	164.7	181.9	46.1	42.4	43.8
16:00	988.3	618.8	188.3	183.0	184.0	177.4	33.4	32.9	42.8
17:00	987.8	449.1	177.3	174.2	172.1	169.0	27.3	23.5	29.7
18:00	987.9	344.4	149.5	143.4	144.5	137.3	26.2	26.7	33.8
19:00	987.7	71.3	148.0	140.4	181.8	133.3	23.9	16.3	37.1
20:00	987.8	9.1	85.4	134.8	297.5	126.1	47.9	30.4	30.8
21:00	988.0	-1.3	46.0	79.8	349.8	66.1	15.2	32.7	21.6
22:00	988.3	-1.3	58.1	68.3	21.4	58.8	10.2	8.1	25.9
23:00	988.8	-1.3	54.7	67.8	37.9	59.3	12.4	7.9	25.9
Avg	989.3	148.9	205.0	180.0	239.0	173.0	26.1	23.7	32.1
Max	990.5	618.8	333.0	305.7	349.8	293.0	47.9	52.5	45.8
Hr. of Max	12	16	05	01	21	00	20	02	03
Min	987.7	-1.3	27.6	67.8	21.4	58.8	10.2	7.9	20.0
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)

8/10/2017

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	30.9	.5	1.2	.6	1.6	1.0	1.7	.1	.3
01:00	31.2	.6	.3	.7	.5	1.0	.8	.6	.4
02:00	61.1	.2	.0	.2	.0	.9	.3	.8	-.5
03:00	29.0	.2	.8	.2	1.0	.9	1.2	2.3	-.8
04:00	28.2	1.0	1.1	1.1	1.2	1.1	1.5	-.9	1.0
05:00	30.4	.6	.8	.8	1.1	1.3	1.4	.5	-1.4
06:00	8.8	2.2	3.8	2.2	3.8	1.4	4.1	-1.5	-.3
07:00	12.6	2.1	3.7	2.3	3.8	1.5	4.0	-1.7	.0
08:00	12.9	1.8	2.7	1.9	2.8	1.5	3.1	.6	-.3
09:00	11.2	4.0	5.5	4.2	5.6	3.1	5.9	.8	-.3
10:00	25.5	2.7	3.4	3.0	3.7	2.7	3.9	3.2	.3
11:00	21.8	2.7	3.3	3.1	3.6	2.6	3.9	1.8	-4.1
12:00	39.7	1.0	1.5	1.4	1.9	1.6	2.2	-.7	-2.4
13:00	19.5	4.9	6.1	5.2	6.4	4.5	6.7	2.8	-.8
14:00	23.6	4.9	5.8	5.2	6.1	4.6	6.6	2.9	.2
15:00	43.9	2.3	2.7	2.8	3.2	2.9	3.7	7.7	11.7
16:00	35.0	3.5	3.7	4.1	4.4	4.2	4.9	1.7	1.8
17:00	23.8	3.8	4.7	5.3	5.9	5.2	6.4	1.7	2.5
18:00	28.4	3.5	4.2	4.0	4.6	4.1	5.0	1.6	-.9
19:00	19.7	2.5	3.2	2.8	3.4	2.3	3.7	7.6	6.2
20:00	32.6	.0	1.4	.9	1.5	1.4	1.8	-.3	1.2
21:00	28.3	1.3	1.2	1.5	1.3	1.3	1.5	2.4	-.3
22:00	9.1	2.2	2.7	2.2	2.7	1.5	2.9	-2.3	-.3
23:00	8.3	2.6	3.4	2.7	3.4	1.9	3.6	-2.6	-1.9
Avg	25.6	.0	.0	2.4	3.1	2.3	3.4	1.2	.5
Max	61.1	4.9	6.1	5.3	6.4	5.2	6.7	7.7	11.7
Hr. of Max	02	14	13	17	13	17	13	15	15
Min	8.3	.0	.0	.2	.0	.9	.3	-2.6	-4.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/10/2017

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	-.01	.00	2.7	7.6	2.9	12.6	11.7	22.8	22.9
01:00	.00	.01	2.1	1.8	2.2	8.9	12.0	22.3	22.8
02:00	.01	.00	1.8	1.4	1.7	7.3	8.8	21.8	22.5
03:00	.03	-.01	1.6	2.3	2.2	9.4	9.8	21.9	22.3
04:00	-.04	.03	3.2	3.0	3.0	9.6	12.7	22.2	22.4
05:00	.00	-.03	4.1	4.8	3.7	8.1	10.2	22.1	22.5
06:00	-.05	-.03	5.0	6.9	3.7	9.4	5.0	22.2	22.5
07:00	-.06	-.01	4.1	6.6	2.5	8.3	4.3	22.3	22.4
08:00	-.01	-.01	4.1	7.6	3.5	13.5	4.5	22.6	22.2
09:00	-.04	-.08	8.2	9.2	7.8	16.3	8.1	22.8	22.3
10:00	.07	-.05	6.4	11.0	8.0	21.4	15.9	23.4	22.7
11:00	.03	-.30	9.4	11.2	6.9	22.6	14.4	24.1	23.4
12:00	-.06	-.14	5.5	5.5	4.5	25.2	23.3	24.6	24.0
13:00	.07	-.22	13.1	13.3		18.7	15.3	25.1	24.5
14:00	.07	-.12	14.0	15.6	13.3	20.5	16.8	25.9	25.2
15:00	.32	.70	8.5	9.4	9.1	24.9	25.6	26.6	25.9
16:00	.04	.09	9.6	12.1	10.2	19.8	23.7	27.4	26.6
17:00	.04	.17	11.0	13.3	12.5	16.6	16.4	27.7	27.0
18:00	.10	-.11	15.3	12.4	10.1	18.0	19.8	27.9	27.2
19:00	.22	.27	7.6	10.5	7.7	18.2	17.4	27.3	27.2
20:00	-.02	.06	4.8	6.9	3.8	10.1	12.0	25.4	26.3
21:00	.03	.01	4.1	3.2	4.3	10.1	9.9	24.7	25.4
22:00	-.09	-.01	4.4	5.3	3.6	8.4	4.9	24.3	24.5
23:00	-.15	-.11	6.6	7.1	4.8	11.5	6.0	24.5	24.4
Avg	.02	.00	6.6	7.8	5.7	14.6	12.9	24.2	24.1
Max	.32	.70	15.3	15.6	13.3	25.2	25.6	27.9	27.2
Hr. of Max	15	15	18	14	14	12	15	18	19
Min	-.15	-.30	1.6	1.4	1.7	7.3	4.3	21.8	22.2
Count	24	24	24	24	23	24	24	24	24
Total									