Date Printed: 10/7/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/6/2017

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	14.6	16.1	16.4	17.7	58.3	61.0	61.6	63.9	1.48
01:00	13.9	15.4	15.9	16.9	57.0	59.7	60.5	62.4	1.53
02:00	13.3	14.8	15.3	16.3	55.9	58.7	59.5	61.3	1.54
03:00	13.1	14.5	14.8	15.6	55.6	58.1	58.7	60.1	1.38
04:00	12.7	14.2	14.6	15.5	54.8	57.7	58.4	59.9	1.56
05:00	12.2	13.8	14.2	15.2	53.9	56.8	57.5	59.3	1.58
06:00	11.7	13.4	13.7	14.7	53.1	56.1	56.7	58.5	1.63
07:00	11.5	13.1	13.3	14.0	52.8	55.6	56.0	57.1	1.56
08:00	13.0	13.3	13.4	13.9	55.3	56.0	56.1	57.0	.39
09:00	16.4	16.0	15.8	15.8	61.5	60.8	60.5	60.4	-.37
10:00	19.8	19.1	18.9	18.7	67.7	66.4	66.0	65.6	-.68
11:00	22.4	21.4	21.2	20.9	72.3	70.5	70.1	69.7	-.96
12:00	24.7	23.5	23.2	23.0	76.5	74.4	73.8	73.5	-1.17
13:00	26.1	24.8	24.4	24.4	78.9	76.6	75.9	75.9	-1.31
14:00	26.4	25.4	25.0	24.9	79.6	77.6	77.1	76.8	-1.08
15:00	27.3	26.3	26.0	25.8	81.2	79.3	78.7	78.5	-1.05
16:00	27.4	26.6	26.3	26.1	81.3	79.9	79.3	79.0	-.76
17:00	26.7	26.5	26.2	26.2	80.0	79.7	79.2	79.1	-.19
18:00	23.1	24.5	25.1	25.4	73.6	76.0	77.2	77.7	1.36
19:00	19.8	21.9	22.6	23.1	67.6	71.4	72.7	73.6	2.13
20:00	17.9	20.0	20.5	21.4	64.2	68.0	68.8	70.6	2.15
21:00	16.7	18.5	19.3	20.3	62.1	65.2	66.7	68.5	1.75
22:00	16.2	18.0	18.5	21.2	61.1	64.4	65.2	70.2	1.84
23:00	15.7	17.3	17.6	20.3	60.2	63.2	63.7	68.4	1.66
Avg	18.4	19.1	19.3	19.9	65.2	66.4	66.7	67.8	.67
Max	27.4	26.6	26.3	26.2	81.3	79.9	79.3	79.1	2.15
Hr. of Max	16	16	16	17	16	16	16	17	20
Min	11.5	13.1	13.3	13.9	52.8	55.6	56.0	57.0	-1.31
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)

10/6/2017

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	1.79	3.11	.31	1.63	13.8	15.8	15.9	20.8	96.6
01:00	1.99	3.03	.46	1.50	13.2	15.1	15.2	20.7	97.3
02:00	2.02	2.97	.47	1.43	12.7	14.5	14.6	20.7	97.7
03:00	1.68	2.51	.30	1.13	12.5	14.2	14.3	20.5	97.3
04:00	1.95	2.81	.40	1.25	12.1	14.0	14.1	20.4	97.8
05:00	1.97	2.96	.40	1.38	11.7	13.5	13.6	20.3	98.2
06:00	1.98	2.96	.35	1.33	11.3	13.1	13.2	20.2	98.4
07:00	1.80	2.42	.24	.86	11.1	12.9	12.9	20.0	98.6
08:00	.44	.95	.06	.56	11.9	13.1	13.2	19.9	94.6
09:00	-.55	-.57	-.18	-.20	13.4	14.2	14.8	19.8	84.0
10:00	-.89	-1.14	-.21	-.46	13.7	13.4	15.3	19.8	69.4
11:00	-1.20	-1.42	-.24	-.46	13.4	12.6	15.6	19.8	58.1
12:00	-1.51	-1.66	-.33	-.49	13.8	12.8	16.4	19.9	51.7
13:00	-1.64	-1.68	-.34	-.38	13.1	12.4	16.5	20.0	45.8
14:00	-1.41	-1.54	-.33	-.46	12.3	11.7	16.2	20.2	42.6
15:00	-1.38	-1.50	-.33	-.45	12.3	11.1	16.2	20.5	40.4
16:00	-1.11	-1.25	-.34	-.49	12.0	11.0	16.2	20.7	39.4
17:00	-.46	-.52	-.27	-.33	12.2	11.4	16.4	20.9	41.7
18:00	2.03	2.26	.67	.90	14.5	13.0	16.8	21.0	60.0
19:00	2.83	3.35	.70	1.22	14.7	14.6	17.0	21.1	74.1
20:00	2.58	3.55	.43	1.40	14.6	15.4	17.0	21.2	82.5
21:00	2.56	3.59	.81	1.84	14.6	15.7	16.6	21.2	89.0
22:00	2.29	5.04	.45	3.21	14.5	15.7	16.5	21.1	91.7
23:00	1.97	4.58	.31	2.93	14.4	15.4	16.1	21.1	93.9
Avg	.82	1.45	.16	.79	13.1	13.6	15.4	20.5	76.7
Max	2.83	5.04	.81	3.21	14.7	15.8	17.0	21.2	98.6
Hr. of Max	19	22	21	22	19	00	20	21	07
Min	-1.64	-1.68	-.34	-.49	11.1	11.0	12.9	19.8	39.4
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)

10/6/2017

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	11.9	13.4	0.010128	0.01148	15.9	17.9	.00	29.22
01:00	99.7	11.5	12.9	0.009709	0.010985	15.2	17.2	.00	29.22
02:00	99.8	11.1	12.5	0.009387	0.010602	14.7	16.6	.00	29.22
03:00	99.9	11.0	12.2	0.009252	0.01039	14.5	16.3	.00	29.22
04:00	99.9	10.7	12.1	0.009036	0.010213	14.2	16.0	.00	29.23
05:00	99.9	10.5	11.7	0.008778	0.009899	13.8	15.5	.00	29.23
06:00	99.9	10.2	11.4	0.008542	0.009653	13.4	15.1	.00	29.23
07:00	100.0	10.1	11.3	0.008434	0.009478	13.2	14.9	.00	29.24
08:00	99.9	10.6	11.4	0.008873	0.009622	13.9	15.1	.00	29.25
09:00	90.6	11.5	12.1	0.009837	0.01034	15.4	16.2	.00	29.25
10:00	71.0	11.7	11.5	0.010084	0.009885	15.8	15.5	.00	29.25
11:00	58.5	11.4	10.8	0.00989	0.009387	15.5	14.7	.00	29.25
12:00	52.1	11.6	10.9	0.010148	0.009528	15.9	14.9	.00	29.23
13:00	47.2	11.1	10.6	0.009755	0.009299	15.3	14.6	.00	29.20
14:00	43.5	10.5	10.1	0.009286	0.008889	14.5	13.9	.00	29.16
15:00	39.6	10.5	9.7	0.009296	0.008557	14.5	13.4	.00	29.13
16:00	38.7	10.2	9.7	0.009084	0.008547	14.2	13.4	.00	29.11
17:00	39.9	10.4	9.9	0.009231	0.008751	14.4	13.7	.00	29.09
18:00	50.1	12.2	11.0	0.010714	0.009715	16.7	15.1	.00	29.08
19:00	64.8	12.4	12.3	0.010805	0.010751	16.8	16.7	.00	29.09
20:00	76.4	12.4	13.0	0.010688	0.011307	16.6	17.6	.00	29.10
21:00	85.6	12.5	13.3	0.010698	0.011492	16.7	17.9	.00	29.11
22:00	88.3	12.4	13.3	0.01065	0.011521	16.6	17.9	.00	29.11
23:00	90.4	12.4	13.1	0.010568	0.011308	16.5	17.6	.00	29.10
Avg	76.5	11.3	11.7	0.009703	0.010067	15.2	15.7	.00	29.18
Max	100.0	12.5	13.4	0.010805	0.011521	16.8	17.9	.00	29.25
Hr. of Max	07	21	00	19	22	19	22	23	11
Min	38.7	10.1	9.7	0.008434	0.008547	13.2	13.4	.00	29.08
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)

10/6/2017

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	989.7	-1.3	52.2	12.0	16.9	.1	29.5	36.0	54.2
01:00	989.6	-1.3	176.5	39.1	263.9	39.5	23.9	25.5	27.4
02:00	989.7	-1.4	192.6	229.8	249.8	233.5	31.4	48.9	44.9
03:00	989.6	-1.4	42.4	19.1	260.8	14.7	19.1	32.0	31.6
04:00	989.8	-1.3	59.5	97.5	289.6	85.6	16.8	14.6	41.4
05:00	989.9	-1.3	46.6	39.4	246.1	16.9	26.2	47.2	26.4
06:00	990.0	-1.3	78.9	52.6	298.5	39.5	20.2	8.8	47.5
07:00	990.2	4.2	56.1	49.8	37.7	39.3	11.7	8.2	57.2
08:00	990.5	157.2	93.2	44.1	134.2	32.2	15.1	23.3	34.9
09:00	990.6	373.5	94.4	64.9	110.7	54.9	27.5	21.2	27.1
10:00	990.6	567.8	153.9	134.8	148.4	127.3	47.5	36.0	45.6
11:00	990.4	713.2	165.4	149.0	162.0	141.5	57.4	56.6	59.1
12:00	989.8	798.0	180.7	161.5	183.2	160.2	54.5	53.6	60.6
13:00	988.8	819.7	260.7	262.0	253.4	256.1	41.0	38.3	47.5
14:00	987.4	795.7	88.0	26.2	124.3	10.7	62.0	53.6	70.4
15:00	986.5	696.8	236.2	237.9	221.4	234.4	47.1	54.5	45.6
16:00	985.7	524.0	96.9	89.5	90.7	80.8	47.9	49.9	52.7
17:00	985.1	302.1	83.0	79.9	73.9	70.8	23.6	16.8	44.7
18:00	984.9	90.6	44.6	66.4	329.6	57.4	15.3	13.0	19.2
19:00	985.2	2.3	57.8	75.0	314.5	67.8	10.0	5.6	42.1
20:00	985.4	-1.3	59.6	50.3	27.2	39.9	35.1	10.5	33.3
21:00	985.8	-1.3	256.0	166.9	276.5	164.7	34.6	30.4	58.6
22:00	985.9	-1.3	53.3	179.9	53.8	157.1	12.5	48.9	23.4
23:00	985.6	-1.3	65.8	341.8	56.4	352.7	8.1	47.4	18.3
Avg	988.2	242.9	89.0	71.0	272.0	59.0	29.9	32.5	42.2
Max	990.6	819.7	260.7	341.8	329.6	352.7	62.0	56.6	70.4
Hr. of Max	10	13	13	23	18	23	14	11	14
Min	984.9	-1.4	42.4	12.0	16.9	.1	8.1	5.6	18.3
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)

10/6/2017

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	47.1	1.0	.2	1.4	.7	.9	1.0	2.9	-1.0
01:00	31.9	.1	.4	.2	.7	.9	1.1	.9	.2
02:00	39.6	.0	.0	.1	.1	.9	.4	3.4	-1.3
03:00	16.1	.4	.5	.4	.6	.6	.9	2.1	-.8
04:00	28.6	.5	1.0	.5	1.2	.5	1.4	.9	-.2
05:00	16.6	.1	.2	.1	.3	.6	.7	2.7	-.5
06:00	12.8	.3	.5	.3	.5	.4	.9	3.1	-.8
07:00	10.9	.9	1.3	.9	1.3	.5	1.7	2.5	-.1
08:00	23.2	.6	1.0	.7	1.2	.8	1.5	2.6	-.6
09:00	22.8	1.3	1.7	1.5	1.9	2.0	2.1	.9	-5.3
10:00	41.6	1.0	1.0	1.2	1.2	2.0	1.8	1.0	-11.8
11:00	59.9	.9	1.1	1.6	1.6	2.3	2.3	-5.5	-15.4
12:00	58.3	1.1	1.1	2.3	2.3	3.0	3.0	4.0	11.6
13:00	37.5	3.3	3.6	3.9	4.2	4.0	4.8	-3.8	-.8
14:00	54.8	.4	.5	2.2	2.1	2.8	3.0	-4.3	-9.7
15:00	52.9	1.8	1.7	2.9	2.8	3.4	3.5	-1.8	4.5
16:00	50.3	2.9	3.5	3.6	4.2	3.7	4.8	1.3	3.6
17:00	15.9	3.6	4.5	3.8	4.6	3.1	5.0	5.1	4.5
18:00	14.2	2.3	2.5	2.4	2.6	1.3	2.8	-2.5	1.5
19:00	6.6	1.2	2.2	1.2	2.2	1.0	2.4	1.0	.8
20:00	10.7	1.4	1.7	1.4	1.8	.8	2.0	2.2	-1.0
21:00	30.6	.8	1.1	1.5	2.1	1.4	2.3	1.3	-1.3
22:00	52.8	1.8	.7	1.8	.9	1.1	1.2	.7	-1.6
23:00	43.4	1.9	.9	2.0	1.2	1.1	1.5	1.7	.2
Avg	32.5	.0	.0	1.6	1.8	1.6	2.2	.9	-1.1
Max	59.9	3.6	4.5	3.9	4.6	4.0	5.0	5.1	11.6
Hr. of Max	11	17	17	13	17	13	17	17	12
Min	6.6	.0	.0	.1	.1	.4	.4	-5.5	-15.4
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)

10/6/2017

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	.07	-.02	4.4	6.9	3.8	9.5	16.6	17.0	18.6
01:00	.01	.01	1.4	3.0	2.0	7.1	11.8	16.3	17.7
02:00	.05	-.01	.9	.9	1.7	6.0	7.5	15.6	17.1
03:00	.03	-.02	1.6	2.1	1.5	5.8	5.3	15.3	16.4
04:00	.01	.00	3.0	3.9	1.6	9.2	4.3	15.0	16.2
05:00	.04	-.01	1.4	1.4	1.5	6.2	8.0	14.5	15.9
06:00	.03	-.02	1.4	2.1	1.0	6.2	5.7	14.1	15.4
07:00	.03	.00	2.3	2.7	1.4	6.9	4.1	13.8	14.5
08:00	.05	-.01	2.1	3.0	2.1	15.9	7.3	14.2	14.6
09:00	.08	-.23	3.9	4.8	4.6	22.1	16.7	16.9	16.5
10:00	.15	-.39	4.4	3.7	5.0	31.2	34.1	20.0	19.4
11:00	-.21	-.85	5.0	5.0	6.0	30.7	34.2	22.1	21.5
12:00	.15	.61	8.7	7.6	8.3	26.7	31.7	24.2	23.4
13:00	-.29	-.13	10.1	9.2	9.3	26.0	25.2	25.2	24.4
14:00	-.28	-.61	12.6	7.1	8.7	31.8	38.5	25.9	25.2
15:00	-.12	.28	8.7	7.3	8.6	26.0	31.1	26.6	25.9
16:00	.04	.31	8.2	8.9	8.7	25.9	23.1	27.1	26.3
17:00	.10	.28	8.7	9.4	8.8	22.2	17.5	27.1	26.4
18:00	-.06	.06	4.4	5.5	2.8	10.3	12.8	25.1	25.8
19:00	.02	.02	4.6	6.9	3.1	9.7	3.7	22.6	23.8
20:00	.03	-.03	2.7	3.0	1.9	7.6	3.0	20.9	22.2
21:00	.02	-.04	4.8	6.2	4.2	8.5	8.8	19.3	21.1
22:00	.00	-.04	3.2	4.1	2.2	9.2	10.1	18.9	21.9
23:00	.03	.02	6.0	6.9	3.8	8.7	11.5	18.2	21.0
Avg	.00	-.03	4.8	5.1	4.3	15.4	15.5	19.8	20.5
Max	.15	.61	12.6	9.4	9.3	31.8	38.5	27.1	26.4
Hr. of Max	12	12	14	17	13	14	14	17	17
Min	-.29	-.85	.9	.9	1.0	5.8	3.0	13.8	14.5
Count	24	24	24	24	24	24	24	24	24
Total									