Date Printed: 9/21/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/20/2017

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	16.6	17.5	17.8	18.3	61.8	63.4	64.0	64.9	.90
01:00	16.3	17.0	17.3	17.8	61.3	62.6	63.2	64.0	.70
02:00	16.3	16.5	16.7	17.3	61.3	61.7	62.1	63.1	.24
03:00	16.1	16.2	16.4	16.8	61.0	61.1	61.4	62.2	.04
04:00	16.0	16.1	16.2	16.5	60.7	61.0	61.1	61.8	.16
05:00	15.8	15.9	16.1	16.5	60.4	60.6	60.9	61.7	.09
06:00	15.5	16.0	16.1	16.4	59.9	60.7	61.0	61.4	.44
07:00	15.8	16.1	16.1	16.3	60.5	61.0	61.0	61.3	.27
08:00	16.6	16.6	16.4	16.5	61.9	61.9	61.6	61.7	-.01
09:00	17.8	17.6	17.4	17.4	64.0	63.6	63.3	63.4	-.22
10:00	20.3	19.8	19.1	19.3	68.5	67.7	66.4	66.7	-.46
11:00	23.4	22.5	21.9	22.0	74.0	72.6	71.4	71.6	-.81
12:00	25.6	24.7	24.4	24.2	78.0	76.5	76.0	75.6	-.85
13:00	27.0	26.1	25.9	25.7	80.6	79.1	78.6	78.2	-.84
14:00	28.0	27.1	26.8	26.6	82.5	80.8	80.3	79.9	-.94
15:00	28.9	28.1	27.8	27.6	84.0	82.5	82.1	81.8	-.85
16:00	29.2	28.6	28.2	28.0	84.6	83.4	82.8	82.5	-.64
17:00	28.7	28.6	28.3	28.3	83.7	83.4	83.0	82.9	-.18
18:00	25.6	26.7	27.5	27.6	78.1	80.1	81.4	81.7	1.11
19:00	23.5	24.4	25.2	25.7	74.3	76.0	77.4	78.2	.92
20:00	22.2	23.1	23.9	25.1	71.9	73.5	75.0	77.2	.91
21:00	21.3	22.3	22.9	23.4	70.3	72.1	73.2	74.1	1.04
22:00	20.6	21.6	22.1	22.5	69.1	71.0	71.7	72.5	1.01
23:00	20.2	21.4	21.7	22.3	68.3	70.5	71.1	72.2	1.24
Avg	21.1	21.3	21.3	21.6	70.0	70.3	70.4	70.9	.14
Max	29.2	28.6	28.3	28.3	84.6	83.4	83.0	82.9	1.24
Hr. of Max	16	17	17	17	16	17	17	17	23
Min	15.5	15.9	16.1	16.3	59.9	60.6	60.9	61.3	-.94
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 9/21/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/20/2017

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	1.23	1.71	.33	.82	15.9	17.3	17.3	22.3	97.5
01:00	1.02	1.48	.31	.77	15.6	16.8	16.9	22.2	97.6
02:00	.47	1.00	.24	.76	15.6	16.3	16.4	22.1	97.8
03:00	.24	.68	.20	.64	15.5	16.0	16.1	22.0	97.8
04:00	.23	.58	.07	.42	15.3	16.1	16.1	21.9	97.9
05:00	.25	.69	.16	.60	15.2	15.9	15.9	21.8	97.9
06:00	.61	.84	.17	.40	14.9	15.9	15.9	21.7	98.0
07:00	.26	.44	-.01	.18	15.3	16.1	16.1	21.6	98.2
08:00	-.15	-.09	-.15	-.08	16.0	16.6	16.6	21.5	98.4
09:00	-.39	-.36	-.17	-.14	17.2	17.6	17.6	21.4	98.4
10:00	-1.18	-1.00	-.72	-.54	18.1	19.8	19.8	21.4	89.6
11:00	-1.48	-1.38	-.67	-.56	18.3	22.1	22.3	21.4	75.1
12:00	-1.13	-1.33	-.28	-.49	18.3	23.6	24.0	21.6	65.7
13:00	-1.09	-1.29	-.26	-.46	18.2	21.1	22.8	21.8	60.1
14:00	-1.22	-1.44	-.27	-.50	18.7	18.5	21.4	22.1	58.6
15:00	-1.07	-1.25	-.22	-.40	18.9	18.2	21.5	22.4	56.4
16:00	-.98	-1.17	-.34	-.53	18.5	18.0	21.5	22.6	54.2
17:00	-.42	-.48	-.24	-.30	19.0	18.4	21.8	22.9	57.5
18:00	1.84	2.00	.73	.89	19.8	19.7	22.0	23.1	72.4
19:00	1.67	2.17	.76	1.25	20.9	21.7	22.6	23.2	87.6
20:00	1.71	2.96	.81	2.05	20.4	22.2	22.5	23.3	92.1
21:00	1.64	2.11	.60	1.07	20.0	21.8	22.0	23.3	94.6
22:00	1.45	1.86	.44	.84	19.5	21.2	21.4	23.3	95.3
23:00	1.56	2.18	.32	.94	19.1	21.0	21.2	23.3	95.7
Avg	.21	.45	.08	.32	17.7	18.8	19.7	22.3	84.8
Max	1.84	2.96	.81	2.05	20.9	23.6	24.0	23.3	98.4
Hr. of Max	18	20	20	20	19	12	12	23	09
Min	-1.48	-1.44	-.72	-.56	14.9	15.9	15.9	21.4	54.2
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 9/21/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/20/2017

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	100.8	13.5	14.7	0.011637	0.012733	18.1	19.8	.00	29.09
01:00	100.7	13.3	14.3	0.011444	0.012354	17.8	19.2	.00	29.09
02:00	100.9	13.3	13.9	0.011442	0.011982	17.8	18.6	.00	29.08
03:00	101.1	13.2	13.7	0.011341	0.011747	17.6	18.3	.00	29.08
04:00	101.6	13.1	13.7	0.011232	0.011772	17.5	18.3	.00	29.08
05:00	101.6	13.0	13.5	0.011122	0.011607	17.3	18.0	.01	29.09
06:00	101.8	12.8	13.6	0.010925	0.011672	17.0	18.2	.00	29.10
07:00	101.9	13.0	13.7	0.01116	0.011786	17.4	18.3	.00	29.12
08:00	101.9	13.7	14.1	0.011737	0.012157	18.3	18.9	.00	29.14
09:00	102.0	14.7	15.0	0.012649	0.012932	19.7	20.1	.00	29.16
10:00	102.1	15.4	17.1	0.013421	0.014909	20.9	23.1	.00	29.17
11:00	100.1	15.5	19.6	0.013607	0.01729	21.1	26.7	.00	29.17
12:00	96.4	15.3	21.3	0.013601	0.01897	21.1	29.2	.00	29.15
13:00	76.8	15.2	18.4	0.013546	0.016416	21.0	25.4	.00	29.14
14:00	61.1	15.7	15.5	0.014049	0.013863	21.8	21.5	.00	29.12
15:00	56.7	15.8	15.2	0.014228	0.013606	22.0	21.1	.00	29.10
16:00	54.4	15.5	15.0	0.013926	0.01346	21.6	20.9	.00	29.09
17:00	55.6	15.9	15.3	0.014347	0.013753	22.2	21.3	.00	29.08
18:00	67.4	16.8	16.7	0.015003	0.014909	23.2	23.1	.00	29.09
19:00	87.3	18.1	19.0	0.016072	0.016906	24.8	26.1	.00	29.09
20:00	97.9	17.6	19.7	0.015564	0.017468	24.1	26.9	.00	29.10
21:00	99.9	17.2	19.3	0.015127	0.017029	23.4	26.3	.00	29.11
22:00	100.2	16.7	18.6	0.01464	0.016383	22.7	25.3	.00	29.13
23:00	100.3	16.4	18.4	0.014287	0.016158	22.2	25.0	.00	29.13
Avg	90.4	15.0	16.2	0.013171	0.014244	20.4	22.1	.00	29.11
Max	102.1	18.1	21.3	0.016072	0.01897	24.8	29.2	.01	29.17
Hr. of Max	10	19	12	19	12	19	12	05	11
Min	54.4	12.8	13.5	0.010925	0.011607	17.0	18.0	.00	29.08
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 9/21/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/20/2017

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	985.1	-1.3	263.8	280.0	238.3	277.8	40.4	45.1	38.5
01:00	985.1	-1.3	225.2	227.9	247.4	224.2	8.4	8.1	11.2
02:00	985.0	-1.3	238.1	231.3	243.2	227.2	9.4	7.1	17.0
03:00	984.8	-1.2	237.0	235.5	229.8	231.4	5.2	5.3	15.4
04:00	984.8	-1.2	250.9	234.0	241.9	230.2	10.3	5.3	20.7
05:00	985.1	-1.3	194.7	226.6	250.2	224.1	42.9	12.6	41.3
06:00	985.5	-1.3	53.9	85.8	10.8	57.5	20.9	13.9	39.7
07:00	986.2	10.4	48.1	45.7	23.9	34.5	15.2	10.7	43.4
08:00	986.9	99.3	52.1	57.7	33.7	48.0	17.8	21.9	33.0
09:00	987.5	214.7	35.6	40.1	19.7	28.9	44.5	26.6	54.5
10:00	987.8	585.7	62.6	59.6	59.3	51.0	34.6	38.4	54.8
11:00	987.7	752.2	163.9	123.3	169.1	117.3	70.3	65.5	61.6
12:00	987.2	851.9	163.7	172.8	148.6	164.8	58.4	51.3	65.8
13:00	986.8	909.8	99.8	100.5	92.3	93.2	49.5	43.8	56.4
14:00	986.1	855.1	134.9	130.2	135.0	123.5	38.5	32.4	48.7
15:00	985.5	790.9	170.9	162.7	158.9 +	156.8	39.6	36.9	50.2 +
16:00	985.0	572.9	189.2	188.4	189.6	182.0	34.5	32.3	41.2
17:00	984.9	320.3	233.3	212.4	235.4	206.2	38.7	43.4	42.2
18:00	985.0	67.5	322.1	320.2	305.9	309.8	12.2	11.9	20.6
19:00	985.2	12.5	301.4	96.3	279.4	100.7	39.7	40.2	58.7
20:00	985.4	-1.2	228.8	312.8	269.3	303.0	61.2	32.1	34.5
21:00	985.8	-1.3	241.7	161.3	271.0	209.0	56.6	72.4	38.8
22:00	986.4	-1.3	282.4	224.4	285.9	224.5	34.2	31.3	46.8
23:00	986.5	-1.3	32.6	11.6	296.9	2.3	19.2	39.4	58.3
Avg	985.9	251.2	214.0	168.0	251.0	181.0	33.4	30.3	41.4
Max	987.8	909.8	322.1	320.2	305.9	309.8	70.3	72.4	65.8
Hr. of Max	10	13	18	18	18	18	11	21	12
Min	984.8	-1.3	32.6	11.6	10.8	2.3	5.2	5.3	11.2
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 9/21/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/20/2017

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	54.9	.4	.9	.6	1.0	1.6	1.2	2.8	.7
01:00	8.9	2.3	1.9	2.4	2.0	1.9	2.2	.2	2.3
02:00	7.3	2.7	2.7	2.8	2.7	2.1	3.0	-.4	1.2
03:00	5.0	3.3	3.7	3.3	3.7	2.2	4.0	.5	1.0
04:00	5.0	3.2	4.6	3.3	4.7	2.1	4.9	.7	-.2
05:00	14.8	.2	1.5	.2	1.6	.7	1.8	2.9	-.2
06:00	38.4	1.4	1.8	1.5	1.8	.7	2.0	-.4	.6
07:00	12.1	1.4	2.1	1.5	2.1	.7	2.4	-1.5	-.7
08:00	24.6	1.5	1.6	1.8	1.8	1.5	2.1	.8	.0
09:00	33.8	1.1	1.2	1.2	1.4	1.5	1.8	1.6	-.7
10:00	41.4	.9	1.1	1.5	1.5	1.8	2.0	.9	2.2
11:00	70.3	.4	.5	1.2	1.2	2.1	2.0	-6.0	-9.8
12:00	54.0	1.0	1.1	1.9	1.8	2.4	2.6	-1.4	-7.2
13:00	46.7	1.9	1.9	2.5	2.4	3.1	3.1	-5.1	-12.4
14:00	35.3	2.3	2.5	2.6	2.8	3.1	3.4	-4.2	-15.1
15:00	40.2	2.3	2.7	2.6	3.1	3.1	3.7	2.7	2.4
16:00	33.3	1.8	1.8	2.2	2.3	2.7	2.8	3.6	-5.1
17:00	44.2	.8	1.0	2.0	2.1	2.0	2.5	4.4	.5
18:00	10.9	3.5	4.4	3.6	4.6	1.9	4.7	.9	-1.7
19:00	38.4	.4	.5	1.7	2.3	1.6	2.5	2.2	1.8
20:00	34.1	.1	1.6	.4	2.0	1.1	2.2	.0	3.0
21:00	71.1	.6	.2	.8	.7	1.6	1.0	1.9	-.1
22:00	38.2	.4	1.4	.9	1.6	1.2	1.9	2.1	-.1
23:00	50.5	.4	.2	.4	.2	.7	.6	.6	-2.3
Avg	33.9	.0	.0	1.8	2.1	1.8	2.5	.4	-1.7
Max	71.1	3.5	4.6	3.6	4.7	3.1	4.9	4.4	3.0
Hr. of Max	21	18	04	18	04	15	04	17	20
Min	5.0	.1	.2	.2	.2	.7	.6	-6.0	-15.1
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 9/21/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/20/2017

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	.06	.01	3.2	4.1	3.9	7.1	9.6	18.7	19.3
01:00	-.01	.09	5.3	3.4	3.4	6.2	4.8	18.2	18.7
02:00	-.04	.06	5.3	5.0	4.7	7.1	3.3	17.7	18.0
03:00	-.02	.06	6.4	7.3	4.1	8.7	2.6	17.3	17.5
04:00	-.01	-.01	7.3	11.0	4.3	8.9	2.2	17.3	17.2
05:00	.03	.00	3.9	6.0	2.5	9.8	4.1	17.1	17.2
06:00	-.03	.00	3.4	3.7	2.7	7.9	4.0	17.2	17.0
07:00	-.04	-.03	5.7	6.2	2.0	9.7	3.7	17.4	17.0
08:00	-.02	-.01	3.7	4.1	3.4	22.5	15.2	18.0	17.3
09:00	-.02	-.07	4.1	3.9	5.2	28.3	27.0	19.0	18.4
10:00	.00	.09	4.1	3.9	5.2	32.4	32.5	21.3	20.6
11:00	-.17	-.40	5.3	5.3	5.6	31.6	39.4	24.0	23.3
12:00	.04	-.25	6.2	5.0	6.5	30.7	35.1	26.0	25.2
13:00	-.21	-.71	7.6	7.3	8.2	27.1	34.0	27.4	26.7
14:00	-.14	-.84	8.2	10.3	8.0	27.8	26.8	28.3	27.5
15:00	.18	.15	8.2	7.1	9.4	26.7	30.7	29.2	28.5
16:00	.24	-.20	6.0	6.2	7.6	25.8	30.3	29.6	28.8
17:00	.10	-.01	5.3	6.4	5.8	23.3	25.6	29.8	29.1
18:00	-.02	-.08	6.9	8.2	4.6	12.9	7.5	28.0	28.6
19:00	.05	.08	9.8	12.4	5.9	10.6	11.1	26.0	27.0
20:00	.01	.15	1.6	6.4	2.6	7.7	16.1	24.7	26.5
21:00	.04	.01	3.2	2.3	4.8	8.0	11.0	23.9	24.8
22:00	.03	.00	3.7	4.4	3.7	7.3	10.3	23.2	23.9
23:00	.01	-.05	2.5	1.8	2.8	7.2	11.8	22.9	23.7
Avg	.00	-.08	5.3	5.9	4.9	16.5	16.6	22.6	22.6
Max	.24	.15	9.8	12.4	9.4	32.4	39.4	29.8	29.1
Hr. of Max	16	20	19	19	15	10	11	17	17
Min	-.21	-.84	1.6	1.8	2.0	6.2	2.2	17.1	17.0
Count	24	24	24	24	24	24	24	24	24
Total									