Date Printed: 07/13/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/12/2017

Interval: 001h

	01_TempC_002m	02_TempC_015m	03_TempC_035m	04_TempC_060m	09_VTGrad_0215m	10_VTGrad_0235m	11_VTGrad_0260m	12_VTGrad_1535m	13_VTGrad_1560m
Hour	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC
00:00	20.5	21.2	22.2	22.4	.77	1.69	1.89	.92	1.12
01:00	19.9	20.8	21.6	21.9	.87	1.68	1.94	.81	1.08
02:00	19.5	20.1	21.0	21.6	.55	1.43	2.08	.88	1.54
03:00	19.2	19.7	20.3	20.6	.53	1.06	1.36	.52	.83
04:00	19.1	19.7	20.3	20.9	.60	1.28	1.85	.68	1.24
05:00	18.9	19.6	20.2	20.8	.70	1.37	1.98	.67	1.28
06:00	18.8	19.0	19.7	21.0	.29	.91	2.21	.62	1.92
07:00	19.8	19.8	20.5	21.5	.01	.73	1.71	.72	1.70
08:00	22.5	22.6	24.2	24.6	.13	1.69	2.05	1.56	1.92
09:00	25.0	25.6	25.9	25.5	.55	.90	.52	.35	-.03
10:00	26.8	27.7	27.5	27.1	.94	.75	.29	-.19	-.66
11:00	27.8	28.8	28.6	28.2	.99	.80	.48	-.19	-.51
12:00	29.1	29.9	29.8	29.6	.85	.75	.48	-.10	-.37
13:00	30.4	31.2	31.0	30.9	.75	.58	.47	-.17	-.28
14:00	31.3	32.0	31.8	31.6	.67	.47	.24	-.20	-.44
15:00	32.0	32.3	32.1	31.9	.38	.17	-.10	-.22	-.48
16:00	32.3	32.6	32.2	31.6	.28	-.13	-.70	-.41	-.98
17:00	31.9	32.3	31.9	31.0	.44	.06	-.86	-.39	-1.30
18:00	29.9	30.1	29.9	29.3	.17	.02	-.65	-.15	-.82
19:00	27.4	27.8	27.6	27.7	.38	.20	.24	-.18	-.14
20:00	25.9	26.7	26.7	26.9	.74	.82	.95	.07	.21
21:00	24.1	24.6	25.1	25.4	.49	.98	1.32	.49	.83
22:00	23.2	23.7	24.3	24.6	.44	1.04	1.33	.59	.89
23:00	22.7	22.9	23.7	24.2	.19	1.06	1.54	.87	1.35
Avg	24.9	25.4	25.8	25.9	.53	.85	.94	.31	.41
Max	32.3	32.6	32.2	31.9	.99	1.69	2.21	1.56	1.92
Hr. of Max	16	16	16	15	11	08	06	08	08
Min	18.8	19.0	19.7	20.6	.01	-.13	-.86	-.41	-1.30
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/12/2017

Interval: 001h

	14_DewPtC_002m	15_DewPtC_015m	17a_WBulbC	18_SoilTempC	19_RH_002m	20_RH_015m	21_AbsHum_002m	22_AbsHum_015m	23_Mix Ratio_002m
Hour	DEGC	DEGC	DEGC	DEGC	PERCENT	PERCENT	G/M3	G/M3	COUNT
00:00	18.9	19.1	19.8	25.0	92.8	89.8	16.2	16.4	0.014094
01:00	18.7	19.3	19.8	24.8	95.0	93.2	16.0	16.5	0.013952
02:00	18.5	18.9	19.3	24.7	96.0	94.8	15.8	16.2	0.013769
03:00	18.3	18.7	19.1	24.5	96.6	96.0	15.6	16.0	0.013575
04:00	18.2	19.0	19.2	24.3	96.8	98.1	15.5	16.3	0.013452
05:00	18.0	18.9	19.1	24.2	96.9	98.1	15.4	16.2	0.013299
06:00	17.9	18.4	18.6	24.0	97.1	98.1	15.3	15.7	0.013238
07:00	18.6	19.1	19.3	23.9	95.3	98.1	15.9	16.4	0.013822
08:00	19.4	19.5	20.6	23.7	84.9	84.8	16.6	16.7	0.014583
09:00	20.3	20.4	22.1	23.6	77.1	75.0	17.4	17.4	0.015396
10:00	20.8	20.9	23.2	23.6	72.0	68.6	17.9	18.0	0.015954
11:00	21.1	21.3	23.8	23.7	69.2	66.3	18.2	18.4	0.016249
12:00	21.2	21.3	24.2	23.8	64.5	61.9	18.2	18.3	0.016367
13:00	21.0	21.2	24.5	24.1	59.1	57.1	17.9	18.0	0.016196
14:00	20.5	20.8	24.5	24.4	54.5	53.4	17.4	17.6	0.015747
15:00	20.5	20.4	24.4	24.8	52.4	51.2	17.3	17.2	0.015702
16:00	20.2	19.9	24.1	25.0	50.6	48.8	17.0	16.7	0.015489
17:00	20.9	21.0	24.8	25.3	54.1	52.9	17.7	17.8	0.016138
18:00	20.8	20.7	23.8	25.5	60.1	59.0	17.7	17.6	0.016017
19:00	21.9	21.3	23.5	25.7	74.3	69.8	19.1	18.3	0.017134
20:00	22.1	21.3	23.1	25.8	81.7	74.5	19.3	18.4	0.017252
21:00	21.3	20.8	22.1	25.8	86.5	81.4	18.5	17.9	0.016417
22:00	20.9	20.8	21.8	25.7	89.3	86.3	18.2	18.0	0.016041
23:00	21.0	20.7	21.4	25.6	92.8	89.8	18.3	17.9	0.016131
Avg	20.0	20.2	21.9	24.6	78.7	77.0	17.2	17.2	0.015251
Max	22.1	21.3	24.8	25.8	97.1	98.1	19.3	18.4	0.017252
Hr. of Max	20	20	17	21	06	07	20	20	20
Min	17.9	18.4	18.6	23.6	50.6	48.8	15.3	15.7	0.013238
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)

7/12/2017

Interval: 001h

	24_Mix Ratio_015m	27_VaporPr_002m	28_VaporPr_015m	34_Precip_In	36_BarPres_In	37_BarPres_Mb	38_SolarRad_Wm2	40_WDir_015m	41_WDir_035m
Hour	COUNT	KPa	KPa	INCHES	INHG	KPa	W/M2	DEG	DEG
00:00	0.014307	21.9	22.2	.00	29.18	988.1	-1.5	304.1	68.4
01:00	0.014461	21.7	22.4	.00	29.17	988.0	-1.5	310.7	44.0
02:00	0.014072	21.4	21.9	.00	29.18	988.1	-1.5	305.0	95.9
03:00	0.013945	21.1	21.7	.00	29.18	988.1	-1.5	294.1	54.8
04:00	0.014159	20.9	22.0	.00	29.19	988.5	-1.6	314.0	50.7
05:00	0.014078	20.7	21.9	.00	29.19	988.6	-1.5	296.6	60.2
06:00	0.013617	20.6	21.2	.00	29.20	989.0	5.5 D	234.6	303.6
07:00	0.014242	21.5	22.2	.00	29.23	989.8	88.8	246.0	233.2
08:00	0.014651	22.7	22.8	.00	29.24	990.4	310.3	178.2	197.3
09:00	0.015462	23.9	24.0	.00	29.25	990.7	503.9	235.4	241.5
10:00	0.016057	24.8	24.9	.00	29.25	990.7	611.7	236.7	239.0
11:00	0.01648	25.2	25.6	.00	29.25	990.6	614.4	204.6	208.4
12:00	0.016492	25.4	25.6	.00	29.24	990.3	804.3	199.9	214.0
13:00	0.016341	25.1	25.3	.00	29.24	990.1	1008.8	196.1	201.7
14:00	0.016002	24.4	24.8	.00	29.22	989.4	1025.5	185.6	193.4
15:00	0.015649	24.4	24.3	.00	29.20	989.0	943.7	195.2 +	209.3
16:00	0.015152	24.0	23.5	.00	29.19	988.4	654.1	235.9	242.0
17:00	0.016196	25.0	25.1	.00	29.18	988.1	524.5	266.6	273.3
18:00	0.015875	24.8	24.6	.00	29.17	987.9	268.1	265.5	274.0
19:00	0.016466	26.5	25.5	.00	29.18	988.1	79.8	278.2	292.1
20:00	0.016428	26.7	25.4	.00	29.18	988.3	27.2	256.7	226.8
21:00	0.015898	25.4	24.6	.00	29.19	988.6	-1.0	288.8	227.7
22:00	0.015913	24.9	24.7	.00	29.21	989.1	-1.4	273.3	257.5
23:00	0.015779	25.0	24.5	.00	29.22	989.5	-1.4	249.2	248.6
Avg	0.015322	23.7	23.8	.00	29.21	989.1	310.7	253.0	234.0
Max	0.016492	26.7	25.6	.00	29.25	990.7	1025.5	314.0	303.6
Hr. of Max	12	20	12	23	11	10	14	04	06
Min	0.013617	20.6	21.2	.00	29.17	987.9	-1.6	178.2	44.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/12/2017

Interval: 001h

	42_WDir_060m	46_SWDir_015m	47_SWDir_060m	50_Sigma_015m	51_Sigma_035m	52_Sigma_060m	53_SSigma_015m	54_SSigma_060m	55_RWSpd_015m
Hour	DEG	DEG	DEG	DEG	DEG	DEG	DEG	DEG	MPH
00:00	187.9	304.1	181.4	38.3	68.0	25.0	38.3	43.0	.5
01:00	70.2	310.7	30.8	50.1	9.8	40.5	50.1	26.4	.3
02:00	65.4	305.0	58.6	32.0	27.6	14.6	32.0	32.5	.1
03:00	117.1	294.1	108.7	45.4	34.9	30.9	45.4	46.3	.1
04:00	65.1	314.0	56.5	57.1	15.0	16.2	57.1	19.3	.1
05:00	137.8	296.6	200.0	42.3	21.6	54.4	42.3	71.1	.2
06:00	261.3	234.6	256.6	41.8	48.5	9.1	41.8	9.7	.6
07:00	245.0	246.0	237.2	50.0	47.1	29.1	50.0	36.4	.5
08:00	233.3	178.2	229.0	45.3	41.9	20.2	45.3	21.9	.8
09:00	233.3	235.4	229.7	33.4	23.9	16.5	33.4	17.3	2.2
10:00	236.5	236.7	232.2	39.2	27.6	27.5	39.2	27.3	2.3
11:00	205.2	204.6	199.7	41.8	30.7	27.2	41.8	27.6	2.6
12:00	213.8	199.9	209.3	49.8	47.5	41.2	49.8	42.0	2.3
13:00	200.2	196.1	195.4	37.1	28.5	23.7	37.1	23.7	3.0
14:00	189.7	185.6	184.0	37.7	31.8	26.9	37.7	27.3	3.7
15:00	203.7	195.2 +	199.9	44.9 +	36.5	34.0	44.9 +	34.4	2.8
16:00	236.7	235.9	232.4	25.5	21.3	18.4	25.5	17.9	4.3
17:00	268.7	266.6	263.1	28.8	23.3	18.5	28.8	17.8	3.7
18:00	273.0	265.5	267.6	17.6	13.3	10.6	17.6	9.9	4.3
19:00	293.6	278.2	286.2	40.9	33.1	15.1	40.9	16.5	1.2
20:00	241.2	256.7	239.3	29.2	28.1	26.7	29.2	24.3	.4
21:00	205.5	288.8	203.4	49.1	50.0	25.3	49.1	30.2	.9
22:00	230.9	273.3	216.4	40.1	53.6	31.1	40.1	41.9	.8
23:00	235.6	249.2	231.2	44.3	66.3	18.2	44.3	19.6	.5
Avg	219.0	253.0	219.0	40.1	34.6	25.0	40.1	28.5	.0
Max	293.6	314.0	286.2	57.1	68.0	54.4	57.1	71.1	4.3
Hr. of Max	19	04	19	04	00	05	04	05	18
Min	65.1	178.2	30.8	17.6	9.8	9.1	17.6	9.7	.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)

7/12/2017

Interval: 001h

	56_RWSpd_035m	57_RWSpd_060m	58_WSpd_015m	59_WSpd_035m	60_WSpd_060m	66_HSSpd_015m	67_HSSpd_060m	70_WElev_015m	71_WElev_060m
Hour	MPH	MPH	MPH	MPH	MPH	MPH	MPH	DEG	DEG
00:00	.3	.4	.7	.4	.5	1.2	.8	1.6	-1.6
01:00	.6	.4	.4	.7	.5	.9	.8	2.3	.1
02:00	.3	.3	.2	.3	.3	.7	.6	-.1	.5
03:00	.2	.1	.1	.2	.1	.7	.5	-.8	-1.2
04:00	1.0	.7	.1	1.0	.7	.7	1.0	2.8	-.2
05:00	.7	.4	.4	.8	.5	.9	.7	1.1	-2.0
06:00	.2	1.9	.6	.7	2.0	1.1	2.1	.3	.3
07:00	.5	1.0	.6	.6	1.1	1.1	1.3	2.4	-.5
08:00	1.0	1.6	.8	1.1	1.7	1.4	1.9	-.6	-5.1
09:00	2.8	3.3	2.7	3.1	3.5	3.1	3.9	-2.2	-10.2
10:00	3.2	3.4	2.7	3.6	3.7	3.3	4.2	-1.3	-6.4
11:00	3.4	3.9	3.5	4.1	4.5	4.0	5.0	-1.9	-7.5
12:00	3.0	3.4	3.5	4.0	4.4	4.0	5.0	-2.0	-1.0
13:00	3.8	4.3	3.7	4.5	4.9	4.2	5.5	.6	-3.2
14:00	4.3	4.9	4.5	5.0	5.4	5.1	6.0	-.4	-.8
15:00	3.4	4.0	3.8	4.4	5.0	4.4	5.5	5.9	6.6
16:00	5.8	6.8	4.8	6.2	7.1	5.4	7.7	.3	-1.5
17:00	4.9	6.0	4.1	5.4	6.4	4.5	6.8	1.9	.2
18:00	5.7	6.7	4.5	5.9	6.8	4.9	7.1	-2.7	-3.0
19:00	2.6	4.3	1.3	2.8	4.6	1.7	4.7	2.3	.1
20:00	1.1	1.4	.5	1.2	1.5	1.1	1.7	1.0	-.3
21:00	.6	1.0	1.0	1.0	1.2	1.3	1.4	-.3	-.6
22:00	.5	.5	.8	.7	.5	1.2	.9	-.3	-1.7
23:00	.9	2.2	.6	1.6	2.3	1.2	2.5	2.4	.7
Avg	.0	.0	1.9	2.5	2.9	2.4	3.2	.5	-1.6
Max	5.8	6.8	4.8	6.2	7.1	5.4	7.7	5.9	6.6
Hr. of Max	16	16	16	16	16	16	16	15	15
Min	.2	.1	.1	.2	.1	.7	.5	-2.7	-10.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/12/2017

Interval: 001h

	72_VSSpd_015m	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	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	-.03	4.1	1.8	3.2	6.7	9.5	23.3	24.6
01:00	.04	.01	1.6	2.1	1.6	6.3	5.8	22.6	23.7
02:00	.00	.01	1.6	3.0	1.6	6.2	7.8	22.1	23.1
03:00	-.01	-.01	2.3	1.8	1.6	9.1	15.5	21.6	22.5
04:00	.04	.01	1.6	2.7	1.8	7.7	8.5	21.3	22.2
05:00	.02	-.04	1.6	3.9	3.0	6.9	11.6	21.2	22.9
06:00	.00	.01	2.7	3.0	3.7	6.0	4.8	20.7	22.8
07:00	.04	-.01	2.3	2.1	2.5	9.4	6.4	21.3	22.4
08:00	-.02	-.19	4.1	4.1	3.9	23.4	12.1	23.8	23.5
09:00	-.17	-.73	6.6	9.2	9.4	21.5	18.0	25.8	25.0
10:00	-.17	-.46	7.6	9.4	8.9	26.5	20.1	27.4	26.6
11:00	-.14	-.72	10.8	12.6	13.1	20.4	19.1	28.4	27.6
12:00	-.13	-.16	8.7	14.7	10.5	21.7	26.3	29.6	28.9
13:00	-.03	-.37	11.2	11.9	11.2	21.7	21.6	30.6	29.7
14:00	-.08	-.25	11.0	11.7	12.4	19.4	22.5	31.3	30.5
15:00	.32	.39	11.9	12.1	13.7	22.2	21.5	32.0	31.0
16:00	-.11	-.36	11.0	13.3	16.7	18.2	14.1	32.4	31.4
17:00	-.11	-.16	12.1	14.7	16.9	22.0	15.0	32.4	31.4
18:00	-.34	-.44	10.5	11.4	12.4	14.7	9.0	30.8	30.0
19:00	-.01	-.05	5.5	7.8	11.0	21.4	12.0	29.2	28.8
20:00	.01	-.02	2.5	2.5	5.7	9.8	10.7	28.1	28.3
21:00	-.03	-.03	3.2	2.3	4.4	8.4	6.5	26.8	27.8
22:00	-.01	-.02	3.0	3.4	2.3	6.8	11.8	25.9	27.2
23:00	.05	.03	3.0	3.2	4.4	7.5	3.9	25.1	26.3
Avg	-.03	-.15	5.9	6.9	7.3	14.3	13.1	26.4	26.6
Max	.32	.39	12.1	14.7	16.9	26.5	26.3	32.4	31.4
Hr. of Max	15	15	17	17	17	10	12	17	17
Min	-.34	-.73	1.6	1.8	1.6	6.0	3.9	20.7	22.2
Count	24	24	24	24	24	24	24	24	24
Total									