Date Printed: 04/04/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/3/2017

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	14.9	17.3	19.2	20.9	2.41	4.27	5.99	1.86	3.58
01:00	13.8	16.4	18.9	20.2	2.54	5.09	6.33	2.55	3.79
02:00	13.6	15.6	16.9	19.1	2.01	3.31	5.49	1.30	3.47
03:00	13.0	15.1	16.6	19.2	2.06	3.52	6.12	1.46	4.05
04:00	12.9	14.7	15.5	17.9	1.76	2.59	5.01	.83	3.25
05:00	13.1	14.5	15.1	16.3	1.41	1.99	3.18	.58	1.77
06:00	13.4	14.6	14.9	16.0	1.13	1.44	2.53	.31	1.40
07:00	12.7 P	13.6 P	14.5 P	15.3 P	.90 P	1.76 P	2.54 P	.86 P	1.64 P
08:00	12.7 P	13.6 P	14.5 P	15.3 P	P	P	P	P	P
09:00	13.6 P	13.8 P	13.9 P	14.0 P	.24 P	.30 P	.47 P	.06 P	.23 P
10:00	14.1	14.2	14.3	14.4	.09	.18	.32	.09	.23
11:00	14.7	14.8	14.8	14.8	.06	.05	.08	-.01	.02
12:00	15.2	15.2	15.1	15.0	-.02	-.10	-.13	-.09	-.11
13:00	16.1	15.9	15.7	15.6	-.22	-.41	-.53	-.19	-.31
14:00	16.4	16.2	16.0	15.9	-.20	-.41	-.51	-.21	-.30
15:00	17.5	17.3	17.0	17.0	-.24	-.45	-.51	-.22	-.28
16:00	19.4	19.0	18.7	18.7	-.37	-.68	-.73	-.31	-.37
17:00	19.9	19.7	19.5	19.4	-.22	-.49	-.55	-.28	-.33
18:00	19.8	19.8	19.7	19.6	.01	-.18	-.23	-.19	-.23
19:00	18.8	19.1	19.0	19.1	.29	.21	.25	-.09	-.05
20:00	17.3	18.2	18.3	18.4	.91	1.01	1.10	.11	.19
21:00	16.8	17.7	17.8	17.9	.90	.98	1.09	.07	.18
22:00	16.6	17.8	18.0	18.2	1.29	1.43	1.64	.14	.35
23:00	16.7	17.6	17.9	18.1	.91	1.15	1.42	.24	.51
Avg	15.5	16.3	16.7	17.3	.77	1.15	1.76	.39	.99
Max	19.9	19.8	19.7	20.9	2.54	5.09	6.33	2.55	4.05
Hr. of Max	17	18	18	00	01	01	01	01	03
Min	12.7	13.6	13.9	14.0	-.37	-.68	-.73	-.31	-.37
Count	24	24	24	24	23	23	23	23	23
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/3/2017

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	8.8	8.4	10.8	16.5	67.9	57.0	8.5	8.3	0.007273
01:00	8.6	8.0	10.4	16.4	71.8	58.6	8.5	8.1	0.007197
02:00	8.8	8.7	10.4	16.2	74.1	64.6	8.6	8.5	0.007305
03:00	8.7	8.5	10.1	16.1	75.9	65.4	8.5	8.4	0.007229
04:00	8.8	8.6	10.2	15.9	77.0	67.6	8.6	8.4	0.007289
05:00	9.1	9.1	10.5	15.8	78.1	70.9	8.8	8.7	0.007465
06:00	9.7	9.1	10.9	15.7	79.2	70.9	9.1	8.8	0.007747
07:00	11.4 P	10.1 P		15.6 P	93.2 P	80.7 P	10.3 P	9.4 P	0.008709 P
08:00	P	P	P	15.6 P	93.2 P	80.7 P	P	P	P
09:00	12.9 P	13.4 P	13.1 P	15.2 P	97.5 P	99.1 P	11.3 P	11.6 P	0.009622 P
10:00	13.5	13.8	13.7	15.0	97.6	99.3	11.7	11.9	0.00999
11:00	14.1	14.4	14.3	15.0	97.7	99.4	12.1	12.4	0.010406
12:00	14.6	14.8	14.8	15.1	97.8	99.4	12.5	12.7	0.010725
13:00	15.2	15.3	15.5	15.2	96.5	98.1	13.0	13.0	0.011251
14:00	14.8	14.9	15.3	15.2	91.8	93.9	12.6	12.7	0.010943
15:00	14.5	14.2	15.5	15.3	84.3	83.8	12.4	12.1	0.010788
16:00	13.7	13.1	15.6	15.5	71.2	69.8	11.7	11.2	0.01027
17:00	12.9	12.3	15.3	15.7	65.3	63.5	11.1	10.7	0.009749
18:00	12.2	11.7	14.7	15.9	62.4	60.7	10.5	10.3	0.009253
19:00	12.4	12.2	14.6	16.0	67.7	65.3	10.8	10.6	0.009414
20:00	12.7	12.5	14.2	16.1	75.7	70.5	11.0	10.8	0.009573
21:00	13.0	12.7	14.2	16.1	79.5	73.9	11.2	11.0	0.009744
22:00	13.3	12.8	14.4	16.0	82.3	73.8	11.4	11.1	0.009927
23:00	13.7	13.3	14.7	15.9	83.8	77.1	11.7	11.4	0.010215
Avg	12.1	11.8	13.3	15.7	81.7	76.8	10.7	10.5	0.009221
Max	15.2	15.3	15.6	16.5	97.8	99.4	13.0	13.0	0.011251
Hr. of Max	13	13	16	00	12	12	13	13	13
Min	8.6	8.0	10.1	15.0	62.4	57.0	8.5	8.1	0.007197
Count	23	23	22	24	24	24	23	23	23
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/3/2017

Interval: 001h

	24_Mix Ratio_015m	27_VaporPr_002m	28_VaporPr_015m	34_Precip_In	36_BarPres_In	37_BarPres_Mb	38_SolarRad_Wm2	39_SolarRad_Lang	40_WDir_015m
Hour	COUNT	KPa	KPa	INCHES	INHG	KPa	W/M2	Langleys	DEG
00:00	0.007124	11.4	11.1	.00	29.03	983.2	-2.4	.00	75.9
01:00	0.006915	11.2	10.8	.00	29.02	982.9	-2.6	.00	180.2
02:00	0.007257	11.4	11.3	.00	28.99	981.9	-2.9	.00	77.4
03:00	0.007128	11.3	11.1	.00	28.98	981.6	-2.2	.00	104.0
04:00	0.007179	11.4	11.2	.00	28.97	981.2	-1.6	.00	100.3
05:00	0.007425	11.6	11.6	.00	28.97	981.1	-1.7	.00	88.1
06:00	0.007465	12.1	11.6	.00	28.95	980.6	-1.8	.00	84.4
07:00	0.007983 P	13.5 P	12.4 P	.35 P	28.96 P	980.9 P	-1.4 P	.00 P	271.3 P
08:00	P	P	P	.35 P	28.96 P	980.9 P	-1.4 P	.00 P	271.3 P
09:00	0.009937 P	14.9 P	15.4 P	.44 P	28.94 P	980.2 P	5.1 P	.01 P	90.4 P
10:00	0.010224	15.5	15.8	.30	28.93	979.8	16.3	.02	89.1
11:00	0.010631	16.1	16.5	.24	28.93	979.8	28.8	.04	190.6
12:00	0.010885	16.6	16.9	.23	28.93	979.8	70.2	.10	208.4
13:00	0.01127	17.4	17.4	.01	28.85	977.2	266.0	.38	120.4
14:00	0.01105	16.8	17.0	.00	28.78	974.6	228.9	.33	95.2
15:00	0.010561	16.6	16.3	.00	28.74	973.4	319.8	.46	81.2
16:00	0.009829	15.8	15.1	.00	28.73	972.9	418.1	.60	230.1
17:00	0.009351	15.0	14.4	.00	28.73	972.9	325.0	.47	228.4
18:00	0.009005	14.3	13.9	.00	28.73	972.8	160.8	.23	220.5
19:00	0.009257	14.5	14.3	.00	28.72	972.7	54.5	.08	216.2
20:00	0.009441	14.7	14.5	.00	28.72	972.6	-2.2	.00	210.9
21:00	0.009591	15.0	14.8	.00	28.72	972.6	-2.7	.00	220.0
22:00	0.009659	15.3	14.9	.00	28.73	972.8	-2.0	.00	228.8
23:00	0.009961	15.7	15.3	.00	28.73	972.8	-2.1	.00	222.0
Avg	0.009093	14.3	14.1	.08	28.86	977.6	77.8	.11	163.0
Max	0.01127	17.4	17.4	.44	29.03	983.2	418.1	.60	271.3
Hr. of Max	13	13	13	09	00	00	16	16	08
Min	0.006915	11.2	10.8	.00	28.72	972.6	-2.9	.00	75.9
Count	23	23	23	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/3/2017

Interval: 001h

	41_WDir_035m	42_WDir_060m	46_SWDir_015m	47_SWDir_060m	50_Sigma_015m	51_Sigma_035m	52_Sigma_060m	55_RWSpd_015m	56_RWSpd_035m
Hour	DEG	DEG	DEG	DEG	DEG	DEG	DEG	MPH	MPH
00:00	57.1	156.6	51.8	149.3	39.7	44.3	21.9	.6	1.7
01:00	239.1	223.7	222.2	219.1	41.9	23.3	21.3	.8	2.2
02:00	54.7	34.3	56.5	27.1	19.6	46.0	36.6	.7	1.5
03:00	49.5	304.4	128.6	340.0	9.4	46.0	31.2	.2	.7
04:00	95.0	343.8	263.5	324.8	16.1	15.6	27.7	.2	.6
05:00	60.1	68.2	36.7	60.3	14.0	12.8	17.8	.5	1.5
06:00	63.4	59.6	65.0	51.3	13.8	14.8	5.6	.5	1.9
07:00	62.6 P	59.3 P	260.0 P	38.7 P	79.6 P	53.7 P	39.7 P	.8 P	.3 P
08:00	62.6 P	59.3 P	260.0 P	38.7 P	79.6 P	53.7 P	39.7 P	.8 P	.3 P
09:00	69.4 P	23.8 P	78.4 P	7.4 P	22.9 P	30.9 P	51.2 P	.8 P	1.4 P
10:00	67.7	359.7	297.4	338.2	51.7	54.9	57.7	.1	.2
11:00	277.8	290.6	219.5	285.5	53.7	62.0	37.0	1.2	1.9
12:00	223.0	224.8	212.5	220.3	32.5	23.5	19.5	2.9	4.4
13:00	127.3	133.0	119.8	124.6	36.7	32.8	29.8	3.6	4.3
14:00	99.6	101.0	91.0	93.8	31.8	37.1	36.4	5.2	6.4
15:00	26.8	98.5	301.4	97.0	57.6	56.4	59.9	.2	.2
16:00	236.4	233.9	231.6	229.6	24.7	20.1	16.5	5.2	6.9
17:00	233.9	231.9	229.9	227.7	20.6	15.6	13.0	5.7	7.7
18:00	225.8	222.6	221.1	218.4	21.2	16.3	12.8	7.1	10.0
19:00	222.4	217.5	217.3	213.2	21.1	15.5	12.3	4.4	6.6
20:00	211.5	204.9	213.8	200.5	16.8	11.4	9.4	3.7	6.2
21:00	219.2	210.7	223.8	206.5	16.1	11.6	10.0	3.0	5.3
22:00	227.7	217.9	232.5	214.0	15.7	10.9	9.0	2.8	5.1
23:00	226.6	219.8	224.3	215.8	17.6	11.0	8.9	4.7	7.9
Avg	128.0	196.0	221.0	213.0	31.4	30.0	26.0	.0	.0
Max	277.8	359.7	301.4	340.0	79.6	62.0	59.9	7.1	10.0
Hr. of Max	11	10	15	03	08	11	15	18	18
Min	26.8	23.8	36.7	7.4	9.4	10.9	5.6	.1	.2
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)

4/3/2017

Interval: 001h

	57_RWSpd_060m	58_WSpd_015m	59_WSpd_035m	60_WSpd_060m	66_HSSpd_015m	67_HSSpd_060m	70_WElev_015m	71_WElev_060m	72_VSSpd_015m
Hour	MPH	MPH	MPH	MPH	MPH	MPH	DEG	DEG	MPH
00:00	2.2	1.0	1.9	2.6	1.4	2.9	1.6	-.3	.04
01:00	3.3	1.0	2.4	3.5	1.6	3.7	1.5	-1.5	.04
02:00	1.2	.8	1.7	1.6	1.2	1.9	1.3	1.0	.01
03:00	.3	.2	.9	1.5	.6	1.7	3.4	-.9	.05
04:00	.5	.2	.6	.7	.7	.9	2.1	.5	.03
05:00	1.7	.5	1.5	1.8	.9	2.1	1.4	1.2	.02
06:00	4.4	.5	1.9	4.4	.9	4.6	.9	1.3	.02
07:00	1.1 P	1.1 P	1.3 P	2.1 P	1.6 P	2.3 P	-.3 P	.2 P	-.04 P
08:00	1.1 P	1.1 P	1.3 P	2.1 P	1.6 P	2.3 P	-.3 P	.2 P	-.04 P
09:00	1.8 P	1.1 P	1.7 P	2.2 P	1.5 P	2.5 P	1.8 P	-1.1 P	.01 P
10:00	1.3	.6	1.1	2.0	1.3	2.3	2.2	4.4	.04
11:00	3.3	2.0	2.8	4.1	2.4	4.3	.7	.0	.03
12:00	5.8	3.5	5.1	6.6	4.0	7.0	1.6	-.2	.00
13:00	5.2	4.2	4.8	5.7	4.8	6.1	3.6	2.5	.13
14:00	7.4	5.7	7.0	8.1	6.4	8.8	1.1	1.2	.06
15:00	.4	1.9	2.5	3.0	2.4	3.5	-3.3	-2.1	-.19
16:00	8.2	5.6	7.3	8.5	6.2	9.1	.9	.2	-.11
17:00	9.1	6.0	8.0	9.3	6.8	10.0	-.9	-1.1	-.28
18:00	12.4	7.6	10.4	12.8	8.4	13.5	1.2	-1.0	-.10
19:00	8.6	4.7	6.9	8.8	5.2	9.3	.7	-.9	-.04
20:00	8.2	3.9	6.3	8.3	4.4	8.6	.0	-2.6	-.06
21:00	7.2	3.1	5.4	7.3	3.6	7.7	-1.4	-2.8	-.13
22:00	7.1	2.9	5.2	7.2	3.3	7.7	.2	-1.9	-.03
23:00	10.8	4.9	8.1	11.0	5.4	11.6	.0	-1.2	-.08
Avg	.0	2.7	4.0	5.2	3.2	5.6	.8	-.2	-.03
Max	12.4	7.6	10.4	12.8	8.4	13.5	3.6	4.4	.13
Hr. of Max	18	18	18	18	18	18	13	10	13
Min	.3	.2	.6	.7	.6	.9	-3.3	-2.8	-.28
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/3/2017

Interval: 001h

	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	DEG	DEG	DEGC	DEGC
00:00	.00	4.1	5.0	7.8	15.8	12.4	17.6	20.9
01:00	-.11	3.9	6.0	8.5	13.5	12.0	16.7	20.3
02:00	.06	3.2	4.4	5.5	13.2	18.4	16.0	19.2
03:00	-.03	1.8	5.3	5.7	11.8	14.7	15.6	19.3
04:00	.01	1.6	2.3	2.7	7.3	10.2	15.2	18.3
05:00	.08	2.3	4.1	6.2	7.2	7.4	15.0	16.6
06:00	.12	2.5	6.0	9.4	7.9	3.3	15.1	16.3
07:00	.01 P	<	<	<	<	<	14.2 P	15.7 P
08:00	.01 P	<	<	<	<	<	14.2 P	15.7 P
09:00	-.01 P	<	<	<	<	<	14.7 P	14.6 P
10:00	.11	3.0	6.2	10.3	12.6	16.0	15.2	15.1
11:00	-.07	7.8	9.4	12.4	16.2	15.9	15.9	15.5
12:00	-.11	12.6	16.9	18.5	16.0	10.6	16.4	15.8
13:00	.04	13.5	17.9	16.5	17.7	17.2	17.0	16.3
14:00	.17	15.1	18.3	22.9	18.9	21.7	17.2	16.5
15:00	-.08	7.8	9.2	9.6	26.8	25.4	18.2	17.6
16:00	-.23	13.7	14.4	15.8	16.2	13.4	19.8	19.0
17:00	-.33	15.1	21.3	18.8	14.6	10.0	20.4	19.7
18:00	-.42	26.6	24.5	27.9	14.9	9.7	20.5	19.9
19:00	-.26	15.1	16.5	16.5	14.5	9.3	19.9	19.5
20:00	-.46	12.4	12.8	17.4	10.8	6.9	19.1	18.9
21:00	-.45	9.2	10.8	14.2	10.8	7.4	18.6	18.4
22:00	-.30	6.9	9.4	13.1	9.3	6.5	18.7	18.7
23:00	-.32	17.6	24.7	27.0	11.0	6.6	18.6	18.8
Avg	-.11	9.3	11.7	13.7	13.7	12.1	17.1	17.8
Max	.17	26.6	24.7	27.9	26.8	25.4	20.5	20.9
Hr. of Max	14	18	23	18	15	15	18	00
Min	-.46	1.6	2.3	2.7	7.2	3.3	14.2	14.6
Count	24	21	21	21	21	21	24	24
Total								