Date Printed: 02/22/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

2/21/2017

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	9.2	10.9	11.9	14.0	1.71	2.70	4.84	.99	3.13
01:00	8.7	10.2	11.2	13.3	1.50	2.49	4.57	1.00	3.08
02:00	8.4	9.7	10.6	13.3	1.32	2.16	4.87	.84	3.55
03:00	7.9	9.5	10.8	14.1	1.56	2.84	6.21	1.28	4.65
04:00	7.5	9.2	9.7	12.5	1.72	2.19	4.96	.47	3.24
05:00	7.7	8.8	9.3	11.3	1.08	1.55	3.59	.47	2.51
06:00	7.6	8.8	9.6	11.2	1.22	2.04	3.61	.82	2.40
07:00	7.5	8.6	9.3	10.3	1.06	1.75	2.80	.69	1.74
08:00	9.1	9.3	9.6	11.1	.25	.54	2.04	.29	1.78
09:00	12.5	12.3	12.2	12.3	-.22	-.35	-.21	-.13	.01
10:00	16.3	16.0	15.8	15.8	-.28	-.51	-.55	-.22	-.27
11:00	19.0	18.6	18.3	18.1	-.39	-.70	-.83	-.30	-.44
12:00	21.0	20.4	20.1	20.1	-.59	-.88	-.97	-.29	-.38
13:00	21.5	21.1	20.9	20.8	-.38	-.65	-.75	-.27	-.38
14:00	21.3	21.1	20.9	20.8	-.23	-.47	-.56	-.24	-.34
15:00	21.0	21.0	20.8	20.7	.02	-.18	-.25	-.20	-.28
16:00	19.0	19.1	19.0	18.9	.11	-.01	-.04	-.13	-.15
17:00	17.2	18.3	18.4	18.4	1.07	1.17	1.24	.09	.17
18:00	14.7	15.9	16.3	16.6	1.27	1.68	1.94	.41	.67
19:00	13.9	15.3	15.6	16.2	1.40	1.79	2.30	.39	.90
20:00	13.5	15.0	15.4	15.8	1.45	1.86	2.25	.41	.79
21:00	13.3	14.8	15.2	15.3	1.55	1.96	1.99	.41	.44
22:00	13.1	14.4	14.8	15.0	1.37	1.79	1.90	.42	.53
23:00	12.7	13.8	14.1	14.3	1.14	1.39	1.59	.25	.46
Avg	13.5	14.3	14.6	15.4	.78	1.09	1.94	.31	1.16
Max	21.5	21.1	20.9	20.8	1.72	2.84	6.21	1.28	4.65
Hr. of Max	13	14	14	14	04	03	03	03	03
Min	7.5	8.6	9.3	10.3	-.59	-.88	-.97	-.30	-.44
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/21/2017

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	6.7	6.8	7.5	11.3	85.1	76.9	7.5	7.6	0.006237
01:00	6.5	6.7	7.2	11.2	86.5	79.4	7.4	7.5	0.006154
02:00	6.4	6.7	7.1	11.1	88.3	82.1	7.4	7.5	0.006136
03:00	6.3	6.7	6.8	11.0	90.2	83.7	7.4	7.5	0.00607
04:00	6.2	6.7	6.7	10.8	92.7	85.3	7.4	7.6	0.006053
05:00	6.5	6.7	6.9	10.7	92.5	87.6	7.5	7.6	0.006142
06:00	6.3	6.4	6.7	10.6	92.6	85.7	7.4	7.4	0.006087
07:00	6.1	6.1	6.6	10.5	91.5	85.2	7.3	7.2	0.00598
08:00	6.7	6.1	7.5	10.3	86.2	81.1	7.5	7.2	0.00625
09:00	7.0	6.2	8.8	10.3	70.3	67.2	7.6	7.2	0.006408
10:00	6.1	5.3	9.5	10.3	51.6	49.8	7.1	6.7	0.006028
11:00	6.0	5.1	10.3	10.5	43.4	41.9	7.0	6.6	0.006014
12:00	6.8	6.0	11.5	10.8	40.4	39.6	7.4	7.0	0.006361
13:00	7.1	6.4	11.9	11.2	40.2	39.1	7.5	7.2	0.006535
14:00	7.1	6.3	11.8	11.6	40.5	38.8	7.5	7.1	0.00651
15:00	7.5	6.9	12.0	11.9	42.7	41.0	7.7	7.4	0.0067
16:00	8.5	8.1	12.0	12.1	51.5	49.7	8.3	8.1	0.007141
17:00	9.9	8.5	12.3	12.3	63.3	53.6	9.2	8.3	0.007848
18:00	12.1	10.3	13.0	12.3	86.4	70.5	10.7	9.4	0.00908
19:00	12.8	10.6	13.1	12.4	94.6	74.9	11.2	9.7	0.009479
20:00	12.3	10.9	12.7	12.4	93.4	77.5	10.8	9.8	0.009167
21:00	11.8	10.3	12.3	12.3	92.2	75.5	10.5	9.5	0.008891
22:00	11.6	10.3	12.1	12.3	92.2	77.5	10.4	9.5	0.008773
23:00	11.9	10.9	12.2	12.3	96.5	84.0	10.6	9.9	0.00896
Avg	8.2	7.5	9.9	11.4	75.2	67.8	8.3	7.9	0.007042
Max	12.8	10.9	13.1	12.4	96.5	87.6	11.2	9.9	0.009479
Hr. of Max	19	23	19	20	23	05	19	23	19
Min	6.0	5.1	6.6	10.3	40.2	38.8	7.0	6.6	0.00598
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/21/2017

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	0.006319	9.8	9.9	.00	29.19	988.5	-2.3	.00	90.0
01:00	0.006241	9.7	9.8	.00	29.18	988.3	-2.4	.00	81.4
02:00	0.006235	9.7	9.8	.00	29.18	988.3	-2.3	.00	88.6
03:00	0.00626	9.5	9.8	.00	29.17	987.9	-2.4	.00	87.0
04:00	0.006262	9.5	9.8	.00	29.18	988.2	-2.1	.00	88.0
05:00	0.006259	9.7	9.8	.00	29.19	988.4	-2.3	.00	77.5
06:00	0.006118	9.6	9.6	.00	29.18	988.2	-2.1	.00	65.6
07:00	0.005985	9.4	9.4	.00	29.17	988.0	14.5	.02	74.0
08:00	0.005988	9.8	9.4	.00	29.17	987.9	180.9	.26	82.6
09:00	0.006042	10.1	9.5	.00	29.17	987.8	331.3	.47	139.9
10:00	0.005709	9.5	9.0	.00	29.16	987.4	456.5	.65	112.7
11:00	0.005667	9.5	8.9	.00	29.16	987.4	523.6	.75	153.5
12:00	0.006012	10.0	9.4	.00	29.13	986.6	593.9	.85	158.9
13:00	0.006209	10.2	9.7	.00	29.09	985.2	334.0	.48	132.2
14:00	0.006158	10.2	9.7	.00	29.07	984.5	219.3	.31	109.9
15:00	0.006442	10.5	10.1	.00	29.07	984.4	88.6	.13	172.4
16:00	0.006944	11.2	10.9	.00	29.08	984.7	40.7	.06	218.0
17:00	0.007123	12.3	11.2	.00	29.09	985.1	7.2	.01	245.8
18:00	0.008038	14.2	12.6	.01	29.09	985.2	-.3	.00	272.6
19:00	0.008219	14.8	12.8	.00	29.08	984.9	-2.0	.00	140.4
20:00	0.008358	14.3	13.1	.00	29.07	984.6	-2.8	.00	175.7
21:00	0.008053	13.9	12.6	.00	29.07	984.6	-2.5	.00	195.9
22:00	0.008059	13.7	12.6	.00	29.06	984.3	-1.5	.00	215.7
23:00	0.008402	14.0	13.1	.00	29.06	984.1	-1.9	.00	175.8
Avg	0.006713	11.0	10.5	.00	29.13	986.4	115.2	.17	132.0
Max	0.008402	14.8	13.1	.01	29.19	988.5	593.9	.85	272.6
Hr. of Max	23	19	23	18	05	00	12	12	18
Min	0.005667	9.4	8.9	.00	29.06	984.1	-2.8	.00	65.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/21/2017

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	47.3	42.2	69.5	32.0	13.8	17.8	19.3	.5	1.7
01:00	56.8	54.3	72.0	45.9	14.2	7.5	14.0	1.0	3.1
02:00	60.2	54.1	81.6	44.6	10.7	9.4	10.1	.8	2.8
03:00	55.3	93.4	78.0	80.7	13.3	22.3	41.2	.5	1.7
04:00	63.5	217.1	98.6	177.3	11.7	14.9	19.5	.3	1.6
05:00	61.5	57.5	70.5	49.0	10.7	5.2	3.8	1.0	3.4
06:00	56.8	64.5	58.5	55.6	11.1	4.9	2.6	2.2	5.3
07:00	59.7	58.2	68.0	49.3	12.8	6.4	3.5	1.9	5.1
08:00	60.5	51.5	74.3	42.1	23.9	12.0	4.9	1.5	3.5
09:00	156.5	41.4	157.0	27.4	25.3	59.9	49.0	1.0	.4
10:00	139.9	180.6	121.4	173.1	26.0	50.2	57.7	1.2	.8
11:00	165.6	168.2	165.4 +	162.6	39.2	35.1	31.7	2.4	3.1
12:00	173.2	176.6	161.8	171.2	29.6	27.2	24.4	5.0	5.9
13:00	138.9	144.6	132.8	136.8	37.4	37.2	38.4	3.4	4.0
14:00	115.0	116.4	107.4	107.9	17.4	17.0	17.6	5.1	5.9
15:00	181.4	180.1	174.3	174.6	23.9	20.8	19.5	4.0	5.1
16:00	224.1	218.3	220.5	214.4	18.0	13.3	11.0	3.9	5.5
17:00	249.5	238.7	246.6	234.8	12.4	8.3	7.5	2.6	4.5
18:00	272.1	279.8	253.0	274.6	37.7	32.6	16.7	2.0	4.0
19:00	226.7	276.0	245.4	269.3	27.3	39.3	23.0	.1	.6
20:00	284.8	297.3	251.1	288.6	48.5	42.9	37.2	.3	.4
21:00	246.7	270.5	216.7	265.4	12.2	14.3	13.3	1.6	2.4
22:00	228.1	254.2	227.9	249.2	19.7	8.6	10.5	1.8	2.6
23:00	221.8	241.3	216.1	233.7	21.0	9.3	13.8	.9	2.0
Avg	137.0	154.0	142.0	140.0	21.6	21.5	20.4	.0	.0
Max	284.8	297.3	253.0	288.6	48.5	59.9	57.7	5.1	5.9
Hr. of Max	20	20	18	20	20	09	10	14	14
Min	47.3	41.4	58.5	27.4	10.7	4.9	2.6	.1	.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/21/2017

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	1.9	.5	1.7	2.0	.8	2.3	1.6	1.5	.03
01:00	4.6	1.1	3.2	4.6	1.3	4.9	1.8	1.9	.03
02:00	3.3	.9	2.8	3.3	1.2	3.6	1.7	1.1	.04
03:00	.5	.5	1.8	1.1	.8	1.5	2.7	-1.2	.04
04:00	.2	.3	1.7	2.1	.6	2.4	2.1	.9	.02
05:00	5.9	1.1	3.4	5.9	1.2	6.1	2.1	1.9	.04
06:00	6.9	2.2	5.4	6.9	2.3	7.1	-1.1	-.7	-.08
07:00	7.2	2.0	5.2	7.3	2.1	7.5	-.7	-.9	-.04
08:00	4.5	1.7	3.5	4.5	1.9	4.7	-.3	-1.0	-.02
09:00	.5	1.3	.8	1.0	1.8	1.4	-2.3	-5.9	-.04
10:00	.8	1.4	1.1	1.2	1.9	1.8	.1	-9.8	.02
11:00	3.6	3.2	3.7	4.2	3.9	4.7	2.0	-3.1	.11
12:00	6.9	5.7	6.5	7.4	6.3	8.0	2.4	-1.7	.15
13:00	4.2	4.2	4.7	5.1	5.0	5.9	7.4	12.2	.52
14:00	6.5	5.5	6.3	6.9	6.2	7.4	1.2	.6	.05
15:00	6.1	5.4	6.5	7.2	5.9	7.7	2.7	-.2	.15
16:00	6.9	4.1	5.8	7.1	4.5	7.6	.1	-1.4	-.04
17:00	5.9	2.7	4.7	6.1	3.0	6.4	-.9	-.8	-.07
18:00	5.9	2.3	4.2	6.2	2.6	6.4	1.5	1.3	-.03
19:00	2.1	.3	.7	2.2	1.1	2.3	1.8	1.1	.04
20:00	1.5	.7	1.3	2.2	1.2	2.4	.9	.2	.01
21:00	3.3	1.6	2.5	3.4	2.1	3.5	1.9	.5	.06
22:00	2.7	1.8	2.7	2.8	2.2	3.0	.4	-.3	.02
23:00	2.0	.9	2.1	2.0	1.2	2.3	.0	-1.9	-.01
Avg	.0	2.1	3.4	4.3	2.5	4.6	1.2	-.2	.04
Max	7.2	5.7	6.5	7.4	6.3	8.0	7.4	12.2	.52
Hr. of Max	07	12	15	12	12	12	13	13	13
Min	.2	.3	.7	1.0	.6	1.4	-2.3	-9.8	-.08
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/21/2017

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	36_SonicTemp_015m	37_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	.06	2.7	4.4	6.9	8.6	10.1	11.3	14.3
01:00	.17	2.7	6.6	9.4	9.2	4.7	10.7	13.7
02:00	.08	5.0	5.5	8.2	7.6	6.2	10.2	13.6
03:00	-.03	2.5	3.9	4.6	11.7	23.2	9.9	14.4
04:00	.04	3.0	4.4	4.8	7.6	9.1	9.6	12.7
05:00	.20	2.7	6.9	8.7	8.7	2.2	9.3	11.7
06:00	-.08	5.3	8.0	15.8	7.4	2.2	9.2	11.4
07:00	-.12	4.4	13.3	15.6	8.1	1.7	8.9	10.5
08:00	-.08	4.1	10.5	12.4	15.0	3.9	9.8	11.3
09:00	-.14	4.6	3.9	6.9	22.5	22.0	12.8	12.6
10:00	-.41	4.4	4.1	5.3	30.1	34.6	16.5	15.9
11:00	-.35	10.5	11.2	13.3	22.5	24.2	18.8	18.0
12:00	-.52	14.9	15.8	15.8	18.6	18.8	20.7	19.9
13:00	1.09	15.3	12.8	13.5	22.1	25.1	21.4	20.7
14:00	-.01	17.4	13.7	17.9	11.2	12.9	21.4	20.7
15:00	-.18	16.5	16.9	18.3	15.1	14.2	21.3	20.7
16:00	-.22	13.3	12.1	16.7	12.6	8.1	19.6	19.1
17:00	-.10	6.0	13.5	14.0	6.8	3.9	18.8	18.7
18:00	.02	10.8	12.8	21.3	14.5	10.8	16.7	17.0
19:00	.02	2.1	3.9	7.3	7.3	11.4	16.0	16.5
20:00	-.03	3.9	4.8	6.6	10.8	9.9	15.7	16.1
21:00	-.01	3.9	6.0	7.8	7.2	8.5	15.5	15.6
22:00	-.02	3.2	4.4	4.8	4.3	5.0	15.1	15.3
23:00	-.03	3.2	5.7	5.3	7.8	5.9	14.6	14.7
Avg	-.03	6.8	8.5	10.9	12.4	11.6	14.7	15.6
Max	1.09	17.4	16.9	21.3	30.1	34.6	21.4	20.7
Hr. of Max	13	14	15	18	10	10	14	15
Min	-.52	2.1	3.9	4.6	4.3	1.7	8.9	10.5
Count	24	24	24	24	24	24	24	24
Total								