Date Printed: 03/22/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/21/2017

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	12.5	13.3	13.3	13.6	.79	.83	1.14	.04	.35
01:00	11.3	12.4	12.4	12.4	1.02	1.01	1.08	-.01	.06
02:00	9.2	11.4	11.6	11.9	2.13	2.36	2.63	.23	.51
03:00	8.3	10.2	10.8	11.4	1.82	2.50	3.03	.68	1.21
04:00	7.7	9.6	10.4	11.4	1.91	2.72	3.68	.81	1.77
05:00	7.4	9.1	9.7	10.9	1.69	2.27	3.46	.58	1.77
06:00	7.6	8.9	9.2	9.9	1.25	1.58	2.31	.34	1.07
07:00	7.7	8.8	9.0	9.7	1.07	1.28	1.98	.22	.91
08:00	8.5	9.0	9.2	10.0	.50	.67	1.49	.17	.99
09:00	11.7	11.5	11.4	12.1	-.17	-.23	.42	-.06	.58
10:00	17.3	16.8	16.5	16.6	-.52	-.76	-.72	-.24	-.19
11:00	21.2	20.4	20.0	19.9	-.79	-1.15	-1.29	-.37	-.50
12:00	23.6	22.7	22.4	22.3	-.87	-1.20	-1.28	-.33	-.41
13:00	24.8	24.0	23.7	23.6	-.77	-1.10	-1.20	-.34	-.43
14:00	25.5	25.0	24.7	24.6	-.54	-.80	-.88	-.26	-.34
15:00	26.6	25.9	25.6	25.5	-.63	-.94	-1.04	-.32	-.42
16:00	26.8	26.4	26.1	26.0	-.40	-.66	-.77	-.26	-.37
17:00	26.7	26.5	26.2	26.1	-.23	-.48	-.59	-.25	-.36
18:00	25.3	26.2	26.1	26.1	.83	.77	.73	-.06	-.10
19:00	19.7	19.8	19.7	19.7	.08	-.04	-.01	-.11	-.09
20:00	17.9	18.7	19.1	19.2	.78	1.16	1.35	.37	.57
21:00	16.0	16.8	17.4	17.9	.78	1.42	1.90	.64	1.11
22:00	15.4	16.9	17.2	17.4	1.54	1.88	2.08	.34	.53
23:00	14.9	16.2	16.4	16.5	1.29	1.51	1.61	.22	.32
Avg	16.4	16.9	17.0	17.3	.52	.61	.88	.08	.36
Max	26.8	26.5	26.2	26.1	2.13	2.72	3.68	.81	1.77
Hr. of Max	16	17	17	18	02	04	04	04	05
Min	7.4	8.8	9.0	9.7	-.87	-1.20	-1.29	-.37	-.50
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/21/2017

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	4.9	4.1	7.4	11.2	60.5	54.6	6.6	6.2	0.005537
01:00	4.4	3.7	6.7	11.1	63.0	56.2	6.4	6.1	0.005349
02:00	4.2	3.5	5.9	11.0	71.4	59.3	6.3	6.0	0.005256
03:00	4.1	3.8	5.5	10.9	75.2	65.5	6.3	6.2	0.005213
04:00	4.1	3.8	5.3	10.8	78.7	67.7	6.3	6.2	0.005225
05:00	4.3	4.3	5.4	10.7	81.5	72.4	6.4	6.4	0.005311
06:00	4.4	4.1	5.5	10.6	80.8	72.9	6.5	6.3	0.005345
07:00	4.7	4.2	5.7	10.5	81.5	73.6	6.6	6.4	0.005432
08:00	5.0	4.2	6.2	10.4	79.3	72.7	6.7	6.4	0.00556
09:00	5.7	4.9	7.7	10.3	67.5	64.8	7.0	6.6	0.005844
10:00	9.0	8.1	11.8	10.3	59.2	57.6	8.6	8.2	0.007394
11:00	11.0	10.3	14.4	10.5	53.3	53.3	9.8	9.3	0.008486
12:00	12.7	12.1	16.3	10.9	51.5	52.3	10.8	10.4	0.009477
13:00	13.2	12.6	17.1	11.6	49.7	49.8	11.2	10.7	0.009856
14:00	12.9	12.4	17.1	12.3	46.7	46.6	10.9	10.6	0.009667
15:00	12.7	12.0	17.3	13.0	43.3	43.0	10.7	10.3	0.009538
16:00	12.3	11.8	17.1	13.5	41.7	41.2	10.5	10.1	0.009308
17:00	12.9	12.3	17.5	13.9	43.6	42.4	10.9	10.5	0.009726
18:00	13.6	12.7	17.5	14.1	49.4	44.4	11.4	10.8	0.010138
19:00	13.2	13.1	15.4	14.3	67.4	67.0	11.3	11.2	0.009806
20:00	13.9	13.4	15.2	14.4	79.4	72.9	11.9	11.5	0.010249
21:00	15.4	15.2	15.6	14.4	98.0	92.1	13.2	12.9	0.011288
22:00	14.8	13.6	15.0	14.3	97.9	82.8	12.6	11.7	0.010799
23:00	12.4	11.1	13.2	14.2	86.9	73.4	10.9	10.0	0.009299
Avg	9.4	8.8	11.7	12.1	67.0	61.6	9.2	8.8	0.007879
Max	15.4	15.2	17.5	14.4	98.0	92.1	13.2	12.9	0.011288
Hr. of Max	21	21	18	21	21	21	21	21	21
Min	4.1	3.5	5.3	10.3	41.7	41.2	6.3	6.0	0.005213
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/21/2017

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	0.005262	8.7	8.3	.00	29.08	984.8	-2.2	.00	63.0
01:00	0.005108	8.4	8.0	.00	29.10	985.4	-1.6	.00	58.2
02:00	0.005035	8.3	7.9	.00	29.11	985.9	-2.3	.00	66.9
03:00	0.005135	8.2	8.1	.00	29.10	985.6	-2.3	.00	73.0
04:00	0.005116	8.2	8.0	.00	29.09	985.0	-2.2	.00	112.0
05:00	0.005292	8.3	8.3	.00	29.08	985.0	-2.5	.00	77.8
06:00	0.005245	8.4	8.2	.00	29.09	985.1	-1.5	.00	80.5
07:00	0.005271	8.5	8.3	.00	29.10	985.5	1.2	.00	99.6
08:00	0.005279	8.7	8.3	.00	29.11	985.9	55.9	.08	152.5
09:00	0.005546	9.2	8.7	.00	29.12	986.2	246.6	.35	162.5
10:00	0.006969	11.6	10.9	.00	29.12	986.1	469.9	.67	205.5
11:00	0.008079	13.3	12.6	.00	29.12	986.0	681.5	.98	205.4
12:00	0.009134	14.8	14.3	.00	29.11	985.7	798.8	1.15	240.2
13:00	0.009424	15.4	14.7	.00	29.08	984.9	828.5	1.19	194.2
14:00	0.009325	15.1	14.5	.00	29.06	984.1	519.0	.74	227.8
15:00	0.009131	14.8	14.2	.00	29.03	983.0	666.4	.96	186.5
16:00	0.008999	14.5	14.0	.00	29.01	982.3	340.4	.49	245.6
17:00	0.009314	15.1	14.5	.00	28.97	981.1	298.6	.43	215.5
18:00	0.009583	15.7	14.9	.00	28.96	980.7	62.1	.09	215.8
19:00	0.009775	15.2	15.2	.00	29.00	982.1	-1.2	.00	192.0
20:00	0.009908	15.9	15.4	.02	29.04	983.6	-2.9	.00	345.2
21:00	0.011133	17.6	17.3	.04	29.08	984.9	-2.3	.00	308.6
22:00	0.010067	16.8	15.7	.00	29.11	985.8	-2.2	.00	21.6
23:00	0.008547	14.5	13.4	.00	29.11	985.9	-2.2	.00	42.6
Avg	0.00757	12.3	11.8	.00	29.07	984.6	206.0	.30	148.0
Max	0.011133	17.6	17.3	.04	29.12	986.2	828.5	1.19	345.2
Hr. of Max	21	21	21	21	11	09	13	13	20
Min	0.005035	8.2	7.9	.00	28.96	980.7	-2.9	.00	21.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/21/2017

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	62.4	59.6	54.2	48.9	23.3	12.0	8.3	2.7	6.4
01:00	59.7	60.8	51.0	49.5	20.2	19.2	14.6	2.0	4.0
02:00	56.7	65.9	56.2	55.2	16.8	9.1	6.2	1.2	2.6
03:00	50.7	77.7	71.2	67.3	28.8	22.1	10.3	.5	1.2
04:00	281.2	301.5	237.9	280.2	42.3	35.6	57.0	.3	.7
05:00	69.0	9.1	55.5	15.3	12.5	17.8	30.5	.6	1.3
06:00	56.1	55.3	67.3	44.1	12.7	10.8	5.7	.8	2.1
07:00	79.9	66.9	87.8 +	57.5	15.9	17.9	10.4	.6	1.4
08:00	18.5	5.9	216.4	10.5	21.4	36.9	29.0	.1	.1
09:00	253.1	256.6	197.0	250.8	22.3	19.8	12.0	.5	1.1
10:00	225.8	225.5	210.7	221.2	21.0	14.0	11.1	3.5	4.2
11:00	214.9	214.7	207.0	210.3	21.1	18.0	14.7	5.7	6.4
12:00	249.5	248.9	242.5	242.5	45.1	34.2	32.4	3.4	4.6
13:00	212.7	210.1	203.2	205.5	56.1	41.7	36.1	2.4	3.0
14:00	245.4	244.1	232.4	238.4	62.4	53.1	53.2	2.2	2.6
15:00	201.9	196.8	188.9	193.5	50.1	49.8	47.6	2.8	3.5
16:00	247.7	245.7	244.7	241.1	36.8	29.5	25.4	3.6	5.0
17:00	228.8	226.1	217.5	222.0	32.0	24.7	18.9	3.6	4.3
18:00	244.5	252.0	254.1	248.1	34.5	42.9	25.8	1.0	1.9
19:00	194.0	183.2	196.3	178.9	44.2	40.6	28.6	6.0	8.0
20:00	345.2	359.8	322.8	347.6	49.1	50.4	36.6	1.1	2.6
21:00	278.3	305.4	280.4	295.8	32.6	31.2	28.8	.7	1.4
22:00	30.9	32.8	6.5	22.1	32.6	26.2	21.8	1.5	3.4
23:00	40.6	39.6	34.8	28.9	25.4	16.0	13.5	3.3	7.5
Avg	277.0	302.0	214.0	296.0	31.6	28.1	24.1	.0	.0
Max	345.2	359.8	322.8	347.6	62.4	53.1	57.0	6.0	8.0
Hr. of Max	20	20	20	20	14	14	04	19	19
Min	18.5	5.9	6.5	10.5	12.5	9.1	5.7	.1	.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)

3/21/2017

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	8.0	3.0	6.6	8.0	3.4	8.4	-1.9	-.1	-.22
01:00	5.4	2.2	4.3	5.6	2.4	5.9	-2.7	1.2	-.17
02:00	4.1	1.3	2.7	4.1	1.4	4.3	.5	1.1	-.06
03:00	1.8	.6	1.3	1.9	.9	2.1	4.0	2.2	.07
04:00	.8	.7	1.1	1.3	1.1	1.6	1.6	.9	.02
05:00	.9	.7	1.4	1.2	1.0	1.4	3.0	2.2	.07
06:00	3.6	.8	2.1	3.6	1.2	3.8	1.5	2.8	.03
07:00	2.3	.6	1.4	2.4	1.0	2.6	1.8	1.5	.04
08:00	.4	.3	.2	.6	.7	.8	1.9	.2	.03
09:00	2.0	.6	1.1	2.1	1.2	2.3	4.8	-.9	.13
10:00	5.1	3.7	4.4	5.2	4.2	5.6	.8	-2.6	-.02
11:00	7.0	6.1	6.7	7.2	6.5	7.7	2.9	-1.1	.12
12:00	5.0	4.9	5.7	5.9	5.3	6.6	-.9	.3	-.19
13:00	3.5	3.7	4.2	4.4	4.4	5.3	.1	4.7	-.01
14:00	2.9	3.4	3.8	4.1	4.0	4.7	1.3	3.5	-.10
15:00	4.0	4.7	5.3	5.5	5.5	6.1	.2	1.3	-.06
16:00	5.7	4.9	6.1	6.8	5.2	7.2	1.1	-1.0	-.04
17:00	5.0	4.3	4.9	5.5	4.9	5.9	2.2	-1.4	.08
18:00	2.6	1.7	2.7	3.3	2.1	3.5	2.7	.8	.04
19:00	9.8	7.2	9.4	11.2	7.9	11.8	1.0	.9	.04
20:00	3.7	2.6	4.1	4.9	2.9	5.1	.4	1.4	-.08
21:00	3.0	2.4	4.3	5.7	2.8	6.0	1.8	-.5	.01
22:00	4.8	2.3	4.5	6.1	2.5	6.4	-2.8	2.2	-.18
23:00	9.7	3.8	8.1	10.4	4.1	10.8	-1.0	1.8	-.28
Avg	.0	2.8	4.0	4.9	3.2	5.2	1.0	.9	-.03
Max	9.8	7.2	9.4	11.2	7.9	11.8	4.8	4.7	.13
Hr. of Max	19	19	19	19	19	19	09	13	09
Min	.4	.3	.2	.6	.7	.8	-2.8	-2.6	-.28
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/21/2017

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	.01	10.1	15.3	13.7	17.0	3.6	13.6	13.6
01:00	.11	7.1	11.2	20.4	16.1	6.1	12.7	12.4
02:00	.07	4.4	6.0	6.6	11.8	3.1	11.6	11.9
03:00	.09	2.3	3.0	3.4	8.6	5.6	10.4	11.4
04:00	.04	3.7	4.1	4.8	7.9	9.9	9.9	11.4
05:00	.09	2.5	2.7	3.0	7.5	6.0	9.5	11.0
06:00	.18	2.3	5.3	5.7	7.7	2.1	9.2	10.0
07:00	.07	2.1	3.4	4.8	7.4	3.5	9.2	9.8
08:00	.00	1.8	2.5	5.5	10.4	9.5	9.4	10.2
09:00	-.06	3.4	3.4	4.1	22.1	7.2	11.9	12.2
10:00	-.29	10.3	10.3	12.6	17.1	10.2	17.1	16.6
11:00	-.30	13.7	14.2	12.6	17.1	16.4	20.8	19.9
12:00	-.35	20.2	15.8	21.3	20.6	22.9	23.3	22.4
13:00	.46	11.2	11.7	11.9	23.9	28.3	24.6	23.7
14:00	.02	9.6	12.6	10.5	23.3	27.4	25.5	24.8
15:00	-.06	11.4	11.4	11.9	19.5	23.6	26.4	25.6
16:00	-.24	20.4	16.9	16.9	16.6	13.8	26.9	26.1
17:00	-.19	9.4	11.2	10.5	16.3	13.0	27.0	26.3
18:00	-.06	8.0	8.9	8.9	16.7	16.4	26.8	26.4
19:00	-.09	29.1	32.5	37.3	19.2	14.7	20.6	20.0
20:00	.13	6.4	10.8	11.0	15.1	10.5	19.5	19.8
21:00	-.05	9.8	12.4	13.3	15.9	13.9	17.8	18.5
22:00	.19	8.5	10.8	14.0	13.0	7.9	17.8	17.9
23:00	.22	13.1	16.5	18.1	18.1	8.2	16.8	16.8
Avg	.00	9.2	10.5	11.8	15.4	11.8	17.4	17.4
Max	.46	29.1	32.5	37.3	23.9	28.3	27.0	26.4
Hr. of Max	13	19	19	19	13	13	17	18
Min	-.35	1.8	2.5	3.0	7.4	2.1	9.2	9.8
Count	24	24	24	24	24	24	24	24
Total								