Date Printed: 03/26/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/25/2017

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	14.1	15.8	16.9	17.5	1.72	2.76	3.43	1.04	1.71
01:00	12.3	14.6	15.5	16.9	2.28	3.17	4.56	.89	2.28
02:00	11.3	13.3	14.3	16.2	1.99	3.05	4.96	1.06	2.98
03:00	10.3	12.5	13.3	15.4	2.17	3.00	5.12	.84	2.95
04:00	10.4	12.0	13.2	14.6	1.61	2.76	4.20	1.15	2.59
05:00	10.4	14.0	15.3	15.8	3.66	4.87	5.40	1.21	1.74
06:00	11.3	15.1	15.4	15.6	3.80	4.10	4.25	.29	.44
07:00	12.4	15.3	15.6	15.7	2.93	3.23	3.39	.31	.46
08:00	11.8	14.8	15.3	15.6	3.01	3.53	3.84	.52	.83
09:00	16.3	16.5	16.5	16.5	.20	.14	.15	-.06	-.05
10:00	19.0	18.5	18.3	18.1	-.44	-.70	-.84	-.26	-.41
11:00	20.2	19.6	19.3	19.1	-.57	-.89	-1.04	-.32	-.47
12:00	21.4	20.8	20.5	20.4	-.61	-.93	-1.07	-.32	-.47
13:00	21.7	21.1	20.8	20.7	-.51	-.83	-.91	-.31	-.40
14:00	22.7	21.9	21.7	21.5	-.79	-1.07	-1.21	-.29	-.42
15:00	23.2	22.5	22.2	22.1	-.68	-1.02	-1.11	-.33	-.43
16:00	23.6	23.2	22.8	22.7	-.46	-.76	-.88	-.31	-.43
17:00	23.7	23.5	23.2	23.1	-.25	-.50	-.62	-.25	-.37
18:00	23.4	23.4	23.2	23.1	.00	-.20	-.29	-.20	-.29
19:00	22.5	22.8	22.7	22.6	.29	.14	.07	-.15	-.22
20:00	21.2	21.8	21.8	21.7	.60	.53	.49	-.08	-.12
21:00	20.2	21.0	20.9	20.9	.73	.70	.69	-.03	-.05
22:00	20.1	20.5	20.4	20.3	.42	.29	.24	-.13	-.18
23:00	19.8	20.1	19.9	19.9	.27	.13	.06	-.14	-.21
Avg	17.6	18.5	18.7	19.0	.89	1.06	1.37	.17	.48
Max	23.7	23.5	23.2	23.1	3.80	4.87	5.40	1.21	2.98
Hr. of Max	17	17	18	18	06	05	05	05	02
Min	10.3	12.0	13.2	14.6	-.79	-1.07	-1.21	-.33	-.47
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/25/2017

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	7.9	7.9	10.0	14.3	67.3	60.1	8.1	8.0	0.006796
01:00	7.5	7.9	9.1	14.2	73.5	65.0	7.9	8.0	0.0066
02:00	7.4	7.9	8.7	14.0	77.9	70.9	7.9	8.1	0.006539
03:00	7.2	7.8	8.3	13.8	82.1	74.2	7.8	8.1	0.006467
04:00	7.5	7.6	8.5	13.7	83.2	75.4	8.0	8.0	0.0066
05:00	7.6	7.9	8.5	13.5	83.6	67.4	8.0	8.1	0.006616
06:00	8.1	8.0	9.2	13.4	81.7	63.1	8.3	8.1	0.006885
07:00	8.5	8.2	9.8	13.2	78.2	63.7	8.4	8.2	0.007054
08:00	8.7	8.3	9.7	13.1	82.3	66.0	8.6	8.3	0.007151
09:00	9.7	8.5	11.9	13.0	66.4	59.9	9.1	8.3	0.007681
10:00	9.5	9.0	12.7	13.0	55.1	54.6	8.9	8.6	0.00759
11:00	9.9	9.4	13.3	13.1	52.6	52.6	9.1	8.8	0.007804
12:00	9.7	9.2	13.6	13.4	48.1	48.2	8.9	8.7	0.007715
13:00	9.1	8.6	13.3	13.8	45.7	45.5	8.6	8.3	0.007444
14:00	9.2	8.5	13.7	14.2	43.0	43.1	8.6	8.3	0.007495
15:00	8.9	8.3	13.6	14.6	40.8	40.9	8.4	8.1	0.007331
16:00	8.6	8.0	13.6	14.9	39.1	38.7	8.3	8.0	0.007197
17:00	8.5	7.9	13.6	15.2	38.7	37.7	8.2	7.9	0.007174
18:00	8.3	7.8	13.3	15.4	38.9	37.6	8.1	7.8	0.007074
19:00	8.2	7.9	13.0	15.5	40.8	39.3	8.1	7.9	0.007032
20:00	8.4	8.1	12.7	15.5	44.6	42.1	8.2	8.0	0.0071
21:00	8.6	8.3	12.5	15.4	48.0	44.8	8.3	8.1	0.007187
22:00	8.5	8.2	12.3	15.3	48.1	46.0	8.3	8.1	0.007131
23:00	8.5	8.2	12.2	15.2	48.8	47.2	8.3	8.1	0.007124
Avg	8.5	8.2	11.5	14.2	58.7	53.5	8.4	8.2	0.007116
Max	9.9	9.4	13.7	15.5	83.6	75.4	9.1	8.8	0.007804
Hr. of Max	11	11	14	20	05	04	11	11	11
Min	7.2	7.6	8.3	13.0	38.7	37.6	7.8	7.8	0.006467
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/25/2017

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	0.006782	10.7	10.7	.00	29.31	992.6	-2.0	.00	73.4
01:00	0.006773	10.4	10.7	.00	29.30	992.2	-2.1	.00	112.1
02:00	0.006781	10.3	10.7	.00	29.28	991.5	-2.5	.00	71.6
03:00	0.006743	10.2	10.6	.00	29.28	991.6	-1.9	.00	133.7
04:00	0.006654	10.4	10.5	.00	29.29	991.8	-3.1	.00	154.4
05:00	0.006782	10.4	10.7	.00	29.29	992.0	-3.1	.00	223.9
06:00	0.006816	10.9	10.8	.00	29.30	992.3	-2.5	.00	236.0
07:00	0.006945	11.1	11.0	.00	29.30	992.3	1.3	.00	229.0
08:00	0.006977	11.3	11.0	.00	29.31	992.7	84.8	.12	192.4
09:00	0.007057	12.1	11.1	.00	29.32	992.8	364.7	.52	172.0
10:00	0.007312	12.0	11.5	.00	29.31	992.7	525.2	.75	183.2
11:00	0.007526	12.3	11.9	.00	29.30	992.3	624.7	.90	181.4
12:00	0.007458	12.1	11.7	.00	29.28	991.6	677.3	.97	180.6
13:00	0.007184	11.7	11.3	.00	29.25	990.7	583.7	.84	151.9
14:00	0.007155	11.8	11.3	.00	29.23	989.7	709.7	1.02	176.8
15:00	0.007035	11.5	11.1	.00	29.19	988.7	646.3	.93	166.3
16:00	0.00693	11.3	10.9	.00	29.17	987.9	502.6	.72	173.2
17:00	0.006872	11.3	10.8	.00	29.15	987.1	238.0	.34	174.3
18:00	0.006843	11.1	10.7	.00	29.14	986.7	117.3	.17	162.3
19:00	0.0069	11.0	10.8	.00	29.14	986.7	13.6	.02	129.0
20:00	0.006967	11.1	10.9	.00	29.14	986.9	-2.2	.00	111.7
21:00	0.007028	11.3	11.0	.00	29.16	987.4	-3.7	-.01	118.0
22:00	0.006996	11.2	11.0	.00	29.15	987.3	-3.3	.00	112.3
23:00	0.007003	11.2	11.0	.00	29.15	987.2	-3.6	-.01	112.4
Avg	0.00698	11.2	11.0	.00	29.24	990.2	210.8	.30	156.0
Max	0.007526	12.3	11.9	.00	29.32	992.8	709.7	1.02	236.0
Hr. of Max	11	11	11	23	09	09	14	14	06
Min	0.006654	10.2	10.5	.00	29.14	986.7	-3.7	-.01	71.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/25/2017

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	74.6	119.0	57.2	110.5	16.8	14.5	15.5	.5	1.9
01:00	329.9	185.8	211.2	189.7	15.9	18.1	31.4	.1	.5
02:00	60.6	139.7	34.2	110.1	29.1	39.2	53.0	.7	1.3
03:00	102.7	296.4	221.7	286.9	18.0	21.8	12.9	.4	.1
04:00	264.6	210.7	218.0	207.6	52.4	40.6	33.4	.4	1.2
05:00	220.2	203.6	239.6	200.4	47.7	11.8	8.5	1.7	4.6
06:00	224.9	209.9	237.2	206.8	13.6	11.1	10.4	3.5	5.7
07:00	216.9	203.6	230.4	199.8	11.6	9.7	8.8	3.8	6.1
08:00	211.6	206.4	200.7	202.3	26.3	21.5	15.9	1.7	4.3
09:00	202.5	198.6	189.4	193.4	33.6	24.6	17.0	2.8	4.5
10:00	191.4	190.3	183.9	185.1	24.7	20.9	16.5	9.4	11.4
11:00	190.2	189.7	182.2	184.7	29.0	23.7	21.2	7.9	9.9
12:00	188.5	186.8	181.7	181.9	26.1	23.6	20.4	8.5	10.5
13:00	159.9	161.7	152.3	155.8	29.0	26.2	22.5	7.2	9.1
14:00	182.5	180.5	176.2	175.9	37.6	33.2	26.1	6.7	8.2
15:00	169.5	167.3	165.7	161.8	44.6	40.9	36.3	5.3	6.5
16:00	178.8	176.1	175.9	171.1	31.2	27.4	24.2	6.9	8.7
17:00	178.8	176.8	176.3	172.0	32.3	28.2	24.6	5.0	6.2
18:00	169.9	169.7	164.0	165.5	33.6	31.4	24.1	4.4	5.3
19:00	137.1	140.1	129.2	133.2	25.0	24.6	22.0	4.0	5.0
20:00	130.4	141.2	110.7	134.2	26.3	32.1	25.0	2.7	3.1
21:00	135.8	139.4	118.8	133.0	33.7	33.2	27.2	2.1	2.8
22:00	126.2	132.0	109.4	124.3	24.2	22.5	20.5	3.9	4.7
23:00	126.9	135.7	110.9	128.4	22.5	25.0	22.1	4.5	5.0
Avg	170.0	175.0	172.0	169.0	28.5	25.2	22.5	.0	.0
Max	329.9	296.4	239.6	286.9	52.4	40.9	53.0	9.4	11.4
Hr. of Max	01	03	05	03	04	15	02	10	10
Min	60.6	119.0	34.2	110.1	11.6	9.7	8.5	.1	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/25/2017

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	2.5	.6	2.0	2.8	.9	3.1	.7	2.7	.01
01:00	.3	.1	.7	1.3	.8	1.5	2.6	.1	.04
02:00	.7	.9	1.5	1.3	1.3	1.6	2.0	.7	.03
03:00	1.8	.4	1.0	2.3	.8	2.3	2.2	-.6	.03
04:00	2.8	1.0	1.6	3.1	1.5	3.4	2.4	-1.0	.04
05:00	7.2	1.9	4.7	7.3	2.3	7.6	1.4	-1.1	.04
06:00	7.2	3.6	5.8	7.4	4.0	7.8	-1.5	-1.8	-.12
07:00	7.8	3.9	6.2	7.9	4.3	8.3	-.8	-2.0	-.10
08:00	6.4	2.5	4.6	6.6	2.8	6.9	1.8	-.7	.05
09:00	6.4	3.3	4.9	6.7	3.8	7.1	-1.3	-5.0	-.16
10:00	13.9	10.2	12.1	14.4	10.9	14.9	1.1	-2.7	-.09
11:00	11.6	8.9	10.7	12.3	9.6	12.8	3.1	.1	.21
12:00	12.5	9.4	11.4	13.4	10.1	14.0	1.8	.0	.03
13:00	10.9	9.0	10.9	12.3	9.9	13.0	2.8	.3	.20
14:00	9.9	7.9	9.3	10.7	8.5	11.4	4.5	3.5	.29
15:00	7.5	7.5	8.5	9.2	8.2	10.0	2.1	3.8	.15
16:00	9.9	7.8	9.4	10.7	8.4	11.2	.6	.1	-.11
17:00	7.6	5.9	7.0	8.3	6.6	8.8	1.6	1.6	-.01
18:00	7.0	5.3	6.2	7.7	6.0	8.2	4.9	.2	.26
19:00	6.4	4.6	5.7	7.0	5.5	7.6	1.8	.8	.01
20:00	4.6	3.0	3.5	5.0	3.6	5.7	4.8	2.8	.22
21:00	4.1	2.4	3.2	4.5	3.1	5.1	1.7	3.2	.06
22:00	6.1	4.2	5.0	6.5	5.0	7.1	1.0	.4	-.07
23:00	6.3	4.8	5.4	6.7	5.7	7.5	1.3	2.9	.01
Avg	.0	4.5	5.9	7.3	5.2	7.8	1.8	.3	.04
Max	13.9	10.2	12.1	14.4	10.9	14.9	4.9	3.8	.29
Hr. of Max	10	10	10	10	10	10	18	15	14
Min	.3	.1	.7	1.3	.8	1.5	-1.5	-5.0	-.16
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/25/2017

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	.14	4.4	5.0	6.4	11.9	9.6	16.3	17.6
01:00	.01	1.1	3.9	3.9	10.4	15.3	15.0	17.0
02:00	.04	3.7	3.7	5.0	8.2	11.7	13.7	16.5
03:00	-.04	3.2	4.1	4.6	8.3	6.4	13.0	15.7
04:00	-.05	5.7	6.0	11.0	11.6	14.8	12.5	15.0
05:00	-.19	7.3	11.2	14.4	11.1	6.4	14.4	16.0
06:00	-.28	8.9	14.2	19.9	8.3	6.5	15.7	15.9
07:00	-.33	8.0	12.6	13.1	8.0	6.3	15.9	16.0
08:00	-.15	7.6	9.8	12.6	9.6	6.7	15.3	15.9
09:00	-.70	22.2	22.4	24.5	22.6	13.3	17.0	16.5
10:00	-1.10	24.3	26.6	29.8	16.4	13.6	18.9	18.1
11:00	-.43	21.3	24.7	31.8	18.2	16.5	20.0	19.1
12:00	-.42	22.2	25.0	41.2	18.4	15.5	21.1	20.2
13:00	-.34	25.0	34.1	45.1	18.7	17.9	21.5	20.6
14:00	.09	21.1	23.8	23.8	19.5	20.5	22.2	21.4
15:00	.42	16.5	19.9	21.5	18.3	20.5	22.8	21.9
16:00	-.40	22.0	21.3	26.8	17.7	17.6	23.4	22.6
17:00	-.22	15.1	18.5	22.0	18.3	19.1	23.8	23.0
18:00	-.41	18.5	15.6	19.7	20.6	19.4	23.7	23.1
19:00	-.29	14.4	16.9	18.3	17.9	18.8	23.2	22.6
20:00	.04	9.4	16.9	16.3	20.1	19.8	22.2	21.8
21:00	.03	8.5	15.8	18.1	22.6	21.2	21.4	21.0
22:00	-.17	12.4	12.8	16.9	16.0	17.6	20.9	20.4
23:00	.11	14.4	16.9	17.4	17.3	18.2	20.5	20.0
Avg	-.19	13.2	15.9	19.3	15.4	14.7	18.9	19.1
Max	.42	25.0	34.1	45.1	22.6	21.2	23.8	23.1
Hr. of Max	15	13	13	13	21	21	17	18
Min	-1.10	1.1	3.7	3.9	8.0	6.3	12.5	15.0
Count	24	24	24	24	24	24	24	24
Total								