Date Printed: 02/09/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

2/8/2017

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	11.3	12.2	12.6	12.7	.87	1.31	1.39	.43	.52
01:00	11.5	12.5	12.7	12.8	1.02	1.23	1.30	.21	.28
02:00	11.7	12.6	12.9	13.1	.92	1.22	1.35	.29	.43
03:00	11.7	12.7	13.1	13.1	.97	1.33	1.37	.36	.40
04:00	11.9	12.5	12.7	12.8	.62	.85	.91	.23	.29
05:00	12.1	12.6	12.7	12.8	.57	.63	.73	.05	.15
06:00	12.1	12.9	13.0	13.0	.83	.95	.96	.11	.13
07:00	12.3	12.8	12.8	12.7	.50	.49	.44	-.02	-.07
08:00	12.7	12.7	12.7	12.8	.07	.06	.13	-.01	.06
09:00	13.4	13.4	13.3	13.2	-.03	-.15	-.19	-.12	-.16
10:00	14.4	14.3	14.2	14.1	-.06	-.23	-.32	-.17	-.26
11:00	14.9	14.8	14.6	14.5	-.12	-.32	-.41	-.20	-.29
12:00	15.3	15.1	14.8	14.7	-.28	-.51	-.61	-.23	-.33
13:00	16.0	15.8	15.5	15.4	-.25	-.50	-.62	-.24	-.36
14:00	16.7	16.5	16.3	16.2	-.14	-.36	-.46	-.22	-.32
15:00	16.8	16.7	16.5	16.5	-.08	-.25	-.34	-.17	-.26
16:00	16.6	16.7	16.6	16.6	.10	.03	-.03	-.08	-.13
17:00	15.8	16.1	16.1	16.2	.25	.29	.43	.04	.18
18:00	15.6	16.1	16.1	16.3	.45	.53	.66	.08	.21
19:00	15.9	16.1	16.1	16.2	.24	.19	.25	-.05	.02
20:00	15.8	16.0	15.9	16.0	.19	.12	.14	-.07	-.05
21:00	14.1	14.2	14.2	14.1	.10	.05	.02	-.06	-.08
22:00	10.7	10.9	10.9	10.9	.25	.24	.25	.00	.00
23:00	8.9	9.3	9.4	9.4	.44	.51	.54	.07	.09
Avg	13.7	14.0	14.0	14.0	.31	.32	.33	.01	.02
Max	16.8	16.7	16.6	16.6	1.02	1.33	1.39	.43	.52
Hr. of Max	15	16	16	16	01	03	00	00	00
Min	8.9	9.3	9.4	9.4	-.28	-.51	-.62	-.24	-.36
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/8/2017

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	10.8	11.8	10.9	9.8	97.7	99.1	9.9	10.5	0.008342
01:00	10.9	12.1	11.1	9.8	97.7	99.1	10.0	10.8	0.008444
02:00	11.2	12.3	11.3	9.8	97.7	99.1	10.1	10.9	0.008578
03:00	11.2	12.4	11.4	9.8	97.8	99.1	10.1	10.9	0.0086
04:00	11.4	12.2	11.5	9.8	97.8	99.2	10.2	10.8	0.008692
05:00	11.5	12.3	11.7	9.8	97.9	99.4	10.3	10.9	0.008793
06:00	11.5	12.6	11.7	9.9	97.9	99.4	10.3	11.1	0.008784
07:00	11.7	12.5	11.9	9.9	97.9	99.4	10.5	11.0	0.008917
08:00	12.1	12.4	12.3	9.9	97.9	99.5	10.7	11.0	0.009137
09:00	12.9	13.1	13.1	10.0	98.2	99.3	11.3	11.4	0.009636
10:00	13.9	13.8	14.0	10.0	98.2	98.4	12.0	11.9	0.010252
11:00	14.1	14.0	14.4	10.2	97.0	96.7	12.2	12.0	0.010443
12:00	14.1	13.8	14.5	10.3	93.9	93.9	12.1	11.9	0.010423
13:00	13.5	13.3	14.4	10.5	86.5	86.6	11.6	11.5	0.010051
14:00	13.3	13.2	14.4	10.8	82.0	81.9	11.5	11.4	0.009934
15:00	13.2	13.1	14.4	11.1	80.9	80.3	11.4	11.3	0.00989
16:00	14.1	13.6	14.9	11.2	87.1	83.2	12.1	11.7	0.0105
17:00	15.2	15.0	15.4	11.4	97.6	95.4	12.9	12.8	0.011224
18:00	14.7	14.6	15.0	11.5	95.9	92.5	12.6	12.5	0.010872
19:00	13.9	14.0	14.6	11.5	89.7	88.5	12.0	12.0	0.01037
20:00	13.8	13.9	14.5	11.5	89.3	88.8	11.9	11.9	0.010262
21:00	12.5	12.7	13.0	11.6	91.6	91.9	11.0	11.2	0.009488
22:00	8.4	8.1	9.1	11.6	86.8	83.7	8.4	8.3	0.007115
23:00	7.3	6.8	7.9	11.6	91.1	85.2	7.9	7.6	0.006633
Avg	12.4	12.7	12.8	10.6	93.6	93.3	11.0	11.1	0.009391
Max	15.2	15.0	15.4	11.6	98.2	99.5	12.9	12.8	0.011224
Hr. of Max	17	17	17	23	10	08	17	17	17
Min	7.3	6.8	7.9	9.8	80.9	80.3	7.9	7.6	0.006633
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/8/2017

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	0.008962	12.9	13.9	.00	28.86	977.5	-2.4	.00	132.1
01:00	0.009162	13.1	14.2	.00	28.85	977.1	-2.0	.00	208.1
02:00	0.009251	13.3	14.3	.00	28.85	976.9	-2.2	.00	35.3
03:00	0.009294	13.3	14.4	.00	28.84	976.6	-2.2	.00	235.3
04:00	0.009184	13.5	14.2	.00	28.85	976.9	-1.8	.00	203.4
05:00	0.009271	13.6	14.3	.00	28.84	976.5	-2.0	.00	247.9
06:00	0.009428	13.6	14.6	.00	28.86	977.2	-2.0	.00	238.9
07:00	0.009358	13.8	14.5	.00	28.87	977.7	.8	.00	231.1
08:00	0.009324	14.2	14.4	.00	28.89	978.3	29.1	.04	214.7
09:00	0.009725	14.9	15.1	.00	28.89	978.5	98.9	.14	228.2
10:00	0.010237	15.9	15.8	.00	28.91	978.9	109.8	.16	220.3
11:00	0.01033	16.2	16.0	.00	28.90	978.7	113.5	.16	210.8
12:00	0.010229	16.1	15.8	.00	28.88	977.9	230.3	.33	197.3
13:00	0.009906	15.5	15.3	.00	28.85	977.0	256.1	.37	168.1
14:00	0.009834	15.3	15.2	.00	28.82	976.1	127.9	.18	181.9
15:00	0.009773	15.3	15.1	.00	28.79	974.9	125.5	.18	184.8
16:00	0.010121	16.2	15.6	.01	28.77	974.2	81.1	.12	192.9
17:00	0.011143	17.3	17.1	.01	28.75	973.7	24.0	.03	235.2
18:00	0.010801	16.7	16.6	.00	28.76	974.0	-.6	.00	231.3
19:00	0.010383	16.0	16.0	.00	28.76	974.0	-2.6	.00	226.1
20:00	0.010328	15.8	15.9	.02	28.76	974.1	-2.5	.00	221.9
21:00	0.00959	14.6	14.8	.12	28.78	974.8	-2.2	.00	258.6
22:00	0.006983	11.0	10.8	.00	28.80	975.4	-2.0	.00	252.1
23:00	0.006394	10.3	9.9	.00	28.83	976.2	-2.4	.00	241.2
Avg	0.009542	14.5	14.7	.01	28.83	976.4	48.8	.07	217.0
Max	0.011143	17.3	17.1	.12	28.91	978.9	256.1	.37	258.6
Hr. of Max	17	17	17	21	10	10	13	13	21
Min	0.006394	10.3	9.9	.00	28.75	973.7	-2.6	.00	35.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/8/2017

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	260.6	259.7	199.6	255.2	21.8	15.7	10.2	.4	2.3
01:00	249.6	224.9	244.6	220.7	32.2	17.7	13.2	.6	1.9
02:00	168.4	197.1	353.1	191.8	38.7	27.9	17.8	.5	.3
03:00	250.8	233.9	252.2	229.7	33.8	34.6	15.6	1.0	2.4
04:00	252.0	252.8	225.4	248.4	26.5	11.9	8.8	1.4	2.9
05:00	237.9	216.1	236.6	212.3	28.0	10.0	7.3	1.6	3.1
06:00	256.2	247.0	244.0	242.3	23.0	10.3	8.3	2.0	3.8
07:00	259.2	263.3	236.9	258.2	21.7	16.7	13.8	1.7	2.6
08:00	234.6	237.9	220.3	233.7	17.8	8.8	5.6	2.4	4.0
09:00	237.5	234.1	233.0	230.0	21.4	12.9	8.7	2.9	4.5
10:00	234.6	232.8	226.5	228.7	20.3	17.0	13.3	2.8	3.8
11:00	226.4	226.3	217.0	221.9	23.0	17.8	14.3	2.9	3.9
12:00	216.6	211.3	211.2	206.6	41.4	21.4	17.6	2.0	2.6
13:00	185.1	186.8	173.1 +	181.7	25.1	20.3	19.1	3.2	3.9
14:00	205.9	202.7	193.4	198.0	24.1	19.4	16.9	2.5	3.3
15:00	209.3	199.2	204.3	194.9	51.0	35.3	21.3	1.6	2.6
16:00	226.2	218.8	215.6	214.6	54.1	24.8	17.7	1.1	1.9
17:00	241.6	233.1	238.5	229.0	22.5	12.2	8.7	2.6	4.7
18:00	239.7	235.1	233.4	231.1	18.3	11.2	8.1	4.6	7.9
19:00	231.4	227.1	226.1	223.1	19.0	13.2	10.3	7.1	10.6
20:00	227.5	223.3	222.5	219.3	18.6	12.9	9.9	6.9	10.1
21:00	269.5	270.7	258.3	264.3	29.9	26.0	21.6	5.8	8.7
22:00	264.3	276.5	253.1	269.9	32.5	27.1	24.5	3.7	4.9
23:00	250.6	255.0	241.4	250.1	19.0	14.9	14.3	5.9	8.6
Avg	235.0	231.0	229.0	227.0	27.7	18.3	13.6	.0	.0
Max	269.5	276.5	353.1	269.9	54.1	35.3	24.5	7.1	10.6
Hr. of Max	21	22	02	22	16	15	22	19	19
Min	168.4	186.8	173.1	181.7	17.8	8.8	5.6	.4	.3
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)

2/8/2017

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	4.0	.5	2.4	4.1	1.1	4.3	4.1	1.1	.08
01:00	2.9	.9	2.1	3.1	1.5	3.3	.7	-1.7	.01
02:00	1.8	.8	1.1	2.1	1.1	2.3	2.6	-2.9	.04
03:00	3.8	1.3	2.5	4.2	1.7	4.4	1.8	-.9	.04
04:00	4.5	1.4	3.2	4.8	2.0	5.0	1.0	.7	.03
05:00	4.2	1.7	3.2	4.2	2.2	4.5	.1	-1.8	-.05
06:00	5.1	2.1	3.9	5.3	2.5	5.6	.2	-1.1	-.02
07:00	3.5	2.0	2.8	3.7	2.4	3.9	.7	-.3	.01
08:00	5.4	2.5	4.1	5.5	2.9	5.8	.2	-.9	-.02
09:00	6.1	3.1	4.6	6.2	3.5	6.5	1.0	-1.9	-.03
10:00	4.7	3.0	4.0	4.8	3.5	5.2	.4	-1.0	-.04
11:00	4.4	3.0	4.0	4.6	3.5	5.0	.5	-2.2	-.02
12:00	3.0	2.4	2.9	3.3	2.8	3.6	.7	-7.0	.02
13:00	4.4	3.5	4.2	4.7	4.0	5.0	2.3	-1.1	.10
14:00	4.0	2.7	3.5	4.2	3.1	4.5	3.0	-3.2	.09
15:00	3.3	2.1	3.0	3.7	2.7	4.0	1.5	-2.2	.00
16:00	2.6	1.4	2.2	2.8	2.0	3.0	3.8	-2.8	.10
17:00	6.6	2.8	4.9	6.8	3.2	7.1	.1	-1.2	-.03
18:00	10.3	4.8	8.1	10.5	5.2	11.1	1.2	-.6	-.03
19:00	13.7	7.4	10.8	13.9	8.1	14.6	1.1	-.7	-.08
20:00	12.6	7.2	10.3	12.8	7.8	13.5	.8	-.9	-.12
21:00	11.0	7.3	10.5	13.4	8.1	14.0	-1.2	-2.5	-.54
22:00	6.1	4.4	5.7	6.7	4.9	7.1	-1.2	-1.9	-.31
23:00	10.3	6.4	9.4	11.1	7.0	11.6	.0	-1.2	-.16
Avg	.0	3.1	4.7	6.1	3.6	6.5	1.1	-1.6	-.04
Max	13.7	7.4	10.8	13.9	8.1	14.6	4.1	1.1	.10
Hr. of Max	19	19	19	19	21	19	00	00	16
Min	1.8	.5	1.1	2.1	1.1	2.3	-1.2	-7.0	-.54
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/8/2017

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	.06	2.7	5.7	11.4	11.8	6.0	12.9	13.2
01:00	-.11	2.5	3.4	6.2	7.3	6.2	13.3	13.3
02:00	-.13	2.7	3.4	5.3	10.1	7.8	13.4	13.6
03:00	-.11	3.7	5.7	7.3	7.5	6.5	13.4	13.6
04:00	.03	3.9	6.6	8.2	9.3	4.8	13.3	13.3
05:00	-.15	3.7	7.1	10.5	8.4	3.0	13.5	13.3
06:00	-.11	5.3	7.3	10.1	8.5	5.5	13.8	13.6
07:00	-.06	6.2	6.0	9.8	9.1	9.0	13.6	13.2
08:00	-.10	5.0	6.9	8.9	8.5	3.5	13.6	13.3
09:00	-.26	7.8	17.9	22.4	14.0	6.7	14.3	13.8
10:00	-.18	8.0	12.8	14.2	14.2	11.3	15.2	14.6
11:00	-.28	8.9	9.2	15.1	15.8	10.9	15.6	15.0
12:00	-.38	7.6	9.6	9.4	19.7	17.4	16.0	15.3
13:00	-.16	12.1	10.8	8.7	17.9	17.0	16.6	15.9
14:00	-.28	7.6	13.3	14.4	18.8	12.7	17.4	16.7
15:00	-.22	8.0	8.2	11.7	19.6	15.8	17.6	17.0
16:00	-.15	4.6	6.0	6.9	13.5	12.5	17.6	17.2
17:00	-.16	7.6	11.0	11.9	9.4	4.5	17.1	16.9
18:00	-.20	17.4	21.1	22.9	12.7	6.4	17.1	16.9
19:00	-.30	16.5	26.1	31.4	14.0	7.6	17.1	16.8
20:00	-.32	16.3	22.4	22.2	14.3	7.6	17.0	16.6
21:00	-1.12	22.4	26.1	31.4	18.3	13.8	15.1	14.7
22:00	-.57	17.4	24.3	25.9	16.5	16.1	11.5	11.2
23:00	-.45	23.8	25.9	28.9	12.1	9.0	9.9	9.6
Avg	-.24	9.2	12.4	14.8	13.0	9.2	14.8	14.5
Max	.06	23.8	26.1	31.4	19.7	17.4	17.6	17.2
Hr. of Max	00	23	21	21	12	12	16	16
Min	-1.12	2.5	3.4	5.3	7.3	3.0	9.9	9.6
Count	24	24	24	24	24	24	24	24
Total								