Date Printed: 05/31/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/30/2017

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	18.3	18.8	19.4	19.6	.54	1.11	1.37	.57	.82
01:00	18.3	18.9	19.2	19.3	.60	.85	.98	.25	.37
02:00	18.7	18.9	19.0	19.1	.20	.25	.36	.04	.15
03:00	18.7	18.7	18.7	18.8	.04	.02	.11	-.02	.07
04:00	18.3	18.5	18.5	18.5	.20	.18	.25	-.02	.05
05:00	18.1	18.3	18.2	18.1	.11	.01	-.01	-.10	-.12
06:00	18.3	18.2	18.1	18.0	-.06	-.20	-.26	-.14	-.21
07:00	18.3	18.2	18.0	17.9	-.11	-.29	-.38	-.17	-.26
08:00	18.7	18.5	18.3	18.1	-.21	-.42	-.55	-.22	-.34
09:00	19.9	19.4	19.1	19.0	-.49	-.77	-.91	-.28	-.42
10:00	21.4	20.8	20.5	20.4	-.63	-.92	-1.00	-.30	-.37
11:00	23.2	22.2	21.9	21.8	-.91	-1.25	-1.40	-.33	-.49
12:00	24.8	23.8	23.5	23.3	-1.00	-1.32	-1.46	-.32	-.47
13:00	26.1	24.9	24.6	24.6	-1.18	-1.48	-1.57	-.30	-.39
14:00	26.8	25.8	25.5	25.4	-1.02	-1.31	-1.44	-.29	-.41
15:00	26.4	25.7	25.4	25.3	-.68	-.97	-1.04	-.28	-.36
16:00	19.9	19.7	19.9	20.4	-.16	-.02	.48	.14	.65
17:00	19.7	19.6	19.6	19.7	-.13	-.17	-.06	-.04	.07
18:00	18.2	17.9	17.9	18.0	-.23	-.28	-.21	-.05	.02
19:00	18.1	18.0	18.0	18.2	-.11	-.05	.11	.06	.22
20:00	17.5	17.6	17.9	18.4	.09	.38	.88	.29	.79
21:00	17.4	17.4	17.4	17.5	-.08	-.03	.10	.05	.18
22:00	17.4	17.3	17.5	17.8	-.06	.07	.36	.13	.42
23:00	17.2	17.3	17.3	17.4	.11	.18	.27	.07	.16
Avg	20.0	19.8	19.7	19.8	-.22	-.27	-.21	-.05	.01
Max	26.8	25.8	25.5	25.4	.60	1.11	1.37	.57	.82
Hr. of Max	14	14	14	14	01	00	00	00	00
Min	17.2	17.3	17.3	17.4	-1.18	-1.48	-1.57	-.33	-.49
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/30/2017

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	17.6	18.3	17.8	20.8	98.0	99.0	15.0	15.6	0.012988
01:00	17.7	18.4	17.9	20.7	98.0	99.1	15.1	15.8	0.013049
02:00	18.1	18.4	18.3	20.7	98.0	99.0	15.4	15.8	0.013367
03:00	18.0	18.2	18.2	20.6	97.9	98.8	15.4	15.5	0.013322
04:00	17.6	17.9	17.9	20.5	98.0	98.8	15.0	15.3	0.013009
05:00	17.5	17.7	17.7	20.5	97.9	98.8	14.9	15.1	0.012868
06:00	17.5	17.7	17.8	20.4	97.3	98.6	14.9	15.1	0.01289
07:00	17.5	17.6	17.8	20.4	97.1	98.6	14.9	15.0	0.012866
08:00	17.5	17.7	17.9	20.3	94.8	97.3	14.9	15.1	0.012872
09:00	17.2	17.0	18.1	20.3	86.3	88.0	14.5	14.4	0.012614
10:00	16.8	16.2	18.3	20.3	76.8	76.8	14.2	13.7	0.012336
11:00	16.9	16.0	19.0	20.3	69.3	69.4	14.1	13.4	0.012392
12:00	16.9	16.1	19.6	20.5	63.2	63.4	14.1	13.4	0.01247
13:00	16.7	15.9	19.9	20.7	57.8	58.5	13.9	13.2	0.012347
14:00	16.5	15.7	19.9	21.1	54.3	54.8	13.6	13.0	0.012132
15:00	15.3	14.6	19.0	21.3	51.9	51.7	12.7	12.2	0.011271
16:00	16.4	15.4	17.5	21.6	82.7	78.5	13.9	13.1	0.012069
17:00	16.6	15.9	17.6	21.6	83.7	80.8	14.0	13.4	0.012178
18:00	16.9	16.4	17.3	21.6	94.2	92.7	14.4	14.0	0.012419
19:00	16.9	16.6	17.3	21.6	95.0	93.7	14.4	14.1	0.01243
20:00	16.9	16.8	17.1	21.5	97.7	96.7	14.3	14.3	0.012356
21:00	16.8	16.9	17.0	21.4	98.0	98.8	14.3	14.4	0.01231
22:00	16.8	16.8	17.0	21.3	98.0	98.9	14.3	14.3	0.012275
23:00	16.5	16.8	16.7	21.2	98.0	98.9	14.1	14.3	0.012101
Avg	17.0	16.9	18.0	20.9	86.8	87.1	14.4	14.3	0.012539
Max	18.1	18.4	19.9	21.6	98.0	99.1	15.4	15.8	0.013367
Hr. of Max	02	02	14	19	23	01	03	02	02
Min	15.3	14.6	16.7	20.3	51.9	51.7	12.7	12.2	0.011271
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/30/2017

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	0.013575	20.2	21.1	.00	29.14	986.8	-2.9	.00	221.7
01:00	0.013703	20.3	21.3	.00	29.14	986.9	-2.5	.00	229.0
02:00	0.013678	20.8	21.2	.00	29.14	986.8	-2.5	.00	219.5
03:00	0.013483	20.7	20.9	.00	29.14	986.8	-1.9	.00	224.3
04:00	0.013272	20.2	20.6	.00	29.14	986.9	-1.8	.00	225.9
05:00	0.013073	20.0	20.3	.00	29.15	987.3	-1.9	.00	205.8
06:00	0.013021	20.1	20.3	.00	29.17	988.0	3.4	.00	188.9
07:00	0.012979	20.0	20.2	.00	29.20	988.7	29.9	.04	190.8
08:00	0.013043	20.1	20.3	.00	29.21	989.3	106.3	.15	204.1
09:00	0.012466	19.7	19.4	.00	29.22	989.6	353.3	.51	197.3
10:00	0.011866	19.2	18.5	.00	29.22	989.6	521.7	.75	196.7
11:00	0.011725	19.3	18.3	.00	29.22	989.4	803.5	1.15	199.4
12:00	0.011791	19.4	18.4	.00	29.20	989.0	948.4	1.36	181.8
13:00	0.011648	19.2	18.2	.00	29.18	988.3	1039.4	1.49	206.8
14:00	0.011512	18.9	17.9	.00	29.16	987.6	896.2	1.28	182.6
15:00	0.010781	17.6	16.8	.00	29.15	987.0	579.6	.83	229.6
16:00	0.011341	18.8	17.7	.25	29.15	987.1	343.6	.49	31.8
17:00	0.011654	19.0	18.2	.10	29.16	987.4	222.4	.32	349.8
18:00	0.012041	19.3	18.8	.00	29.16	987.7	127.1	.18	98.3
19:00	0.012177	19.4	19.0	.00	29.17	988.0	79.1	.11	340.7
20:00	0.012292	19.2	19.1	.00	29.17	987.7	20.6	.03	98.2
21:00	0.012352	19.2	19.2	.00	29.19	988.4	-2.3	.00	213.0
22:00	0.012341	19.1	19.2	.00	29.19	988.4	-2.3	.00	186.5
23:00	0.012295	18.9	19.2	.00	29.19	988.4	-2.0	.00	226.5
Avg	0.012421	19.5	19.3	.01	29.17	988.0	252.3	.36	204.0
Max	0.013703	20.8	21.3	.25	29.22	989.6	1039.4	1.49	349.8
Hr. of Max	01	02	01	16	11	10	13	13	17
Min	0.010781	17.6	16.8	.00	29.14	986.8	-2.9	.00	31.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/30/2017

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	246.2	252.0	225.2	246.9	8.7	7.2	6.1	2.8	4.2
01:00	248.0	246.2	232.3	241.6	18.4	9.2	7.1	2.4	4.7
02:00	232.4	231.8	223.3	227.9	18.5	8.6	6.9	3.0	5.9
03:00	230.8	224.7	227.4	221.2	19.6	8.6	5.4	3.0	5.8
04:00	225.5	213.8	241.0	209.8	34.7	11.8	7.7	1.2	2.8
05:00	209.2	198.9	214.9	194.5	26.0	17.3	11.2	2.0	3.4
06:00	209.8	203.2	209.2	198.6	33.0	19.0	13.2	1.4	2.8
07:00	209.6	210.4	197.3	206.2	29.7	22.5	19.6	2.3	3.1
08:00	218.5	215.1	207.5	211.0	24.8	19.8	14.1	2.7	3.8
09:00	209.2	208.9	201.4	204.2	31.3	23.4	20.6	3.0	3.7
10:00	210.8	212.6	201.7	207.3	42.1	36.2	32.8	3.1	3.7
11:00	213.3	212.4	204.5	207.1	37.1	29.2	25.3	3.2	3.8
12:00	206.3	211.5	187.5	204.6	51.1	39.6	34.6	2.5	3.2
13:00	213.5	208.9	210.4	203.4	36.4	26.0	20.1	4.0	5.1
14:00	191.9	190.3	185.1	185.0	38.4	31.8	27.2	4.2	5.1
15:00	241.0	239.2	231.8	235.2	32.8	26.8	23.3	3.7	4.8
16:00	31.5	51.4	17.8	41.4	52.5	53.5	34.9	1.6	3.6
17:00	355.1	7.8	338.8	356.9	33.1	26.9	29.8	2.0	3.5
18:00	101.9	94.4	94.2	85.5	42.6	40.6	29.0	1.3	2.2
19:00	326.5	131.5	297.3	127.2	45.3	35.9	24.0	.4	.3
20:00	9.1	13.3	283.8	1.7	56.4	52.3	44.1	.1	1.0
21:00	244.6	247.3	231.6	242.3	46.1	14.0	12.0	1.7	3.5
22:00	232.2	240.9	237.0	234.0	58.0	41.6	26.5	.7	1.6
23:00	241.2	228.7	241.5	223.6	38.9	23.1	14.6	1.0	2.0
Avg	228.0	216.0	224.0	213.0	35.6	26.0	20.4	.0	.0
Max	355.1	252.0	338.8	356.9	58.0	53.5	44.1	4.2	5.9
Hr. of Max	17	00	17	17	22	16	20	14	02
Min	9.1	7.8	17.8	1.7	8.7	7.2	5.4	.1	.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)

5/30/2017

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	5.9	2.9	4.2	5.9	3.2	6.2	-1.0	.9	-.07
01:00	6.6	2.5	4.8	6.6	2.9	7.0	-.2	.8	-.04
02:00	7.8	3.2	6.0	7.9	3.6	8.3	.6	.6	-.04
03:00	7.9	3.1	5.9	8.0	3.4	8.4	1.1	.0	-.04
04:00	4.5	1.3	2.9	4.5	1.8	4.8	-.3	-.2	-.03
05:00	4.9	2.2	3.5	5.0	2.7	5.3	-.6	1.1	-.08
06:00	3.9	1.6	3.0	4.0	2.2	4.3	2.4	.9	.06
07:00	3.8	2.7	3.6	4.3	3.1	4.6	.9	1.0	.00
08:00	4.8	3.0	4.0	4.9	3.5	5.3	2.0	.8	.02
09:00	4.3	3.3	3.9	4.5	3.9	5.1	3.2	-.5	.07
10:00	3.8	3.6	4.2	4.3	3.9	4.8	.1	-2.3	-.13
11:00	4.5	3.8	4.3	4.8	4.3	5.3	1.0	-5.2	.01
12:00	3.5	3.6	4.2	4.3	4.3	5.0	3.7	3.3	.23
13:00	5.7	4.6	5.5	6.0	5.2	6.7	-1.2	-6.6	-.20
14:00	5.7	5.2	5.9	6.3	5.8	6.8	.7	.0	-.04
15:00	5.5	6.6	8.6	9.8	7.0	10.5	-4.2	-5.0	-.67
16:00	5.1	4.0	5.9	7.6	4.6	8.1	-1.2	1.1	-.26
17:00	4.1	4.4	6.3	7.4	4.9	7.9	-4.8	-2.3	-.54
18:00	3.2	1.9	2.9	3.6	2.3	4.0	4.2	5.0	.13
19:00	1.6	2.5	3.8	4.7	3.0	4.9	-2.4	-.9	-.16
20:00	2.5	.9	2.2	3.7	1.4	3.9	-.2	.8	-.04
21:00	4.8	2.1	3.8	5.1	2.5	5.4	.3	.2	-.04
22:00	2.3	1.2	2.1	3.0	1.7	3.2	-.6	.4	-.03
23:00	2.8	1.4	2.3	3.0	1.8	3.3	1.3	-1.1	.00
Avg	.0	3.0	4.3	5.4	3.5	5.8	.2	-.3	-.08
Max	7.9	6.6	8.6	9.8	7.0	10.5	4.2	5.0	.23
Hr. of Max	03	15	15	15	15	15	18	18	12
Min	1.6	.9	2.1	3.0	1.4	3.2	-4.8	-6.6	-.67
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/30/2017

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	.07	4.8	7.3	8.9	4.7	4.1	20.1	20.7
01:00	.07	6.6	9.2	17.2	8.8	5.3	20.3	20.4
02:00	.06	8.0	9.6	11.7	12.1	4.7	20.2	20.1
03:00	-.03	9.8	19.5	19.9	15.5	3.8	20.0	19.8
04:00	-.03	8.7	9.8	13.7	11.2	4.5	19.8	19.5
05:00	.08	6.4	8.5	8.9	13.4	8.5	19.5	19.1
06:00	.03	6.2	13.1	16.9	18.0	9.7	19.5	18.9
07:00	.04	6.2	8.9	7.3	14.9	9.4	19.4	18.8
08:00	.04	11.0	11.7	11.9	16.1	10.7	19.7	19.0
09:00	-.12	9.6	8.5	13.1	20.9	21.1	20.5	19.8
10:00	-.26	9.6	11.0	8.2	21.5	22.4	21.8	21.1
11:00	-.47	11.2	11.9	10.8	22.2	22.0	23.1	22.3
12:00	.25	11.4	10.5	10.8	23.5	26.1	24.7	23.9
13:00	-.74	12.8	13.7	15.1	21.5	22.1	25.8	25.0
14:00	-.20	12.8	13.7	15.1	18.6	19.6	26.6	25.9
15:00	-.96	25.2	33.0	31.4	16.9	13.3	26.3	25.6
16:00	.04	18.3	24.3	27.9	19.2	12.9	20.8	21.0
17:00	-.45	15.8	22.9	25.6	18.2	14.5	20.7	20.5
18:00	.32	8.0	7.8	9.6	22.4	14.3	19.1	18.8
19:00	-.04	8.0	10.3	11.2	14.0	11.1	19.1	19.0
20:00	.07	5.0	7.6	12.1	16.3	9.7	18.8	19.2
21:00	.05	8.2	9.8	9.2	12.9	4.7	18.6	18.4
22:00	.05	4.6	5.3	6.2	11.6	7.3	18.5	18.7
23:00	-.09	8.9	10.5	10.8	13.5	7.0	18.5	18.3
Avg	-.09	9.9	12.4	13.9	16.2	12.0	20.9	20.6
Max	.32	25.2	33.0	31.4	23.5	26.1	26.6	25.9
Hr. of Max	18	15	15	15	12	12	14	14
Min	-.96	4.6	5.3	6.2	4.7	3.8	18.5	18.3
Count	24	24	24	24	24	24	24	24
Total								