Date Printed: 05/04/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/3/2017

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	11.6	15.1	17.2	18.3	3.49	5.63	6.69	2.13	3.19
01:00	10.8	13.8	15.0	17.6	2.91	4.15	6.71	1.24	3.80
02:00	10.2	12.2	12.9	14.4	2.04	2.77	4.24	.73	2.20
03:00	9.8	11.7	12.4	13.8	1.92	2.67	4.07	.75	2.15
04:00	9.2	11.0	11.4	12.6	1.86	2.27	3.39	.41	1.53
05:00	8.7	10.5	10.7	11.4	1.77	1.99	2.69	.22	.92
06:00	8.4	9.8	10.1	10.7	1.44	1.74	2.27	.30	.83
07:00	9.3	10.2	10.6	11.3	.87	1.28	1.93	.41	1.06
08:00	13.4	13.2	12.9	12.8	-.21	-.51	-.56	-.30	-.34
09:00	16.5	16.1	15.8	15.5	-.53 +	-.86 +	-1.02	-.27 +	-.51 +
10:00	18.2	17.5	17.1	16.8	-.71	-1.09	-1.34 +	-.38	-.64 +
11:00	19.4	18.6	18.2	18.1	-.95 +	-1.30 +	-1.49 +	-.35	-.54
12:00	20.8	20.0	19.6	19.4	-.84	-1.24	-1.40	-.40	-.56
13:00	22.0	21.3	20.9	20.7	-.74	-1.12	-1.33	-.38	-.59
14:00	23.2	22.5	22.0	21.7	-.70	-1.15	-1.44	-.45	-.73
15:00	24.1	23.5	23.1	22.8	-.64	-1.07	-1.33	-.43	-.70
16:00	24.7	24.3	24.0	23.8	-.40	-.73	-.91	-.33	-.51
17:00	24.7	24.5	24.2	24.1	-.18	-.45	-.56	-.27	-.38
18:00	23.5	23.8	23.8	23.8	.38	.33	.33	-.05	-.05
19:00	20.9	22.2	22.6	22.8	1.29	1.67	1.85	.37	.55
20:00	18.6	20.5	21.0	21.5	1.89	2.43	2.89	.54	1.00
21:00	17.5	19.2	19.5	20.3	1.75	2.01	2.78	.26	1.03
22:00	16.5	18.5	18.8	19.8	1.98	2.33	3.30	.35	1.32
23:00	16.5	18.0	18.3	19.0	1.50	1.82	2.55	.32	1.05
Avg	16.6	17.4	17.6	18.0	.80	.98	1.43	.18	.63
Max	24.7	24.5	24.2	24.1	3.49	5.63	6.71	2.13	3.80
Hr. of Max	17	17	17	17	00	00	01	00	01
Min	8.4	9.8	10.1	10.7	-.95	-1.30	-1.49	-.45	-.73
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)

5/3/2017

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	7.6	6.3	9.0	19.3	77.4	56.5	8.0	7.2	0.00669
01:00	7.8	6.7	8.8	19.1	82.2	63.3	8.1	7.4	0.006747
02:00	7.7	7.5	8.5	18.9	85.8	74.0	8.1	7.9	0.006729
03:00	7.9	8.0	8.5	18.7	88.9	78.9	8.2	8.2	0.006786
04:00	7.7	7.9	8.2	18.5	91.4	82.2	8.1	8.2	0.006698
05:00	7.4	8.1	7.9	18.3	92.9	86.3	8.0	8.3	0.006587
06:00	7.3	8.0	7.7	18.1	94.1	89.1	7.9	8.2	0.006537
07:00	8.0	7.6	8.4	17.9	92.4	84.8	8.2	8.0	0.00683
08:00	8.4	7.3	10.1	17.7	73.3	68.9	8.4	7.8	0.007055
09:00	7.5	5.8 +	10.5	17.6	56.2	52.7	7.8	7.0 +	0.006631
10:00	6.4	4.8	10.4	17.5	47.1	44.0	7.2	6.5	0.006193
11:00	6.4 +	3.2	10.8 +	17.6	42.0	36.6	7.2 +	5.8	0.00618 +
12:00	6.3	4.5	11.1	17.8	39.6	36.9	7.1	6.3	0.006161
13:00	7.1	5.7	12.1	18.1	39.1	37.0	7.5	6.8	0.006547
14:00	8.1	6.5	13.1	18.5	39.0	36.5	8.0	7.2	0.00702
15:00	8.0	6.5	13.4	18.9	36.5	34.3	8.0	7.2	0.006968
16:00	6.9	5.2	12.8	19.2	32.8	29.9	7.4	6.6	0.006475
17:00	7.2	5.5	13.0	19.4	33.6	30.1	7.5	6.7	0.006606
18:00	9.9	7.3	14.4	19.5	43.7	35.6	9.1	7.6	0.007965
19:00	12.1	9.8	15.0	19.6	58.2	46.2	10.5	9.0	0.009128
20:00	11.9	10.7	14.1	19.6	66.3	54.4	10.4	9.6	0.008984
21:00	11.5	11.0	13.5	19.6	69.3	59.9	10.2	9.8	0.008761
22:00	11.2	10.4	13.0	19.5	72.2	60.3	10.0	9.4	0.008576
23:00	10.5	9.9	12.5	19.4	69.0	60.1	9.6	9.1	0.008189
Avg	8.4	7.3	11.1	18.7	63.5	55.8	8.4	7.7	0.007127
Max	12.1	11.0	15.0	19.6	94.1	89.1	10.5	9.8	0.009128
Hr. of Max	19	21	19	21	06	06	19	21	19
Min	6.3	3.2	7.7	17.5	32.8	29.9	7.1	5.8	0.006161
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/3/2017

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	0.00613	10.5	9.6	.00	29.11	985.9	-2.6	.00	235.7
01:00	0.006282	10.6	9.9	.00	29.12	986.0	-3.4	.00	252.0
02:00	0.00665	10.6	10.4	.00	29.12	986.0	-2.5	.00	77.8
03:00	0.006846	10.6	10.7	.00	29.12	986.3	-2.1	.00	67.6
04:00	0.006829	10.5	10.7	.00	29.14	986.7	-2.4	.00	55.6
05:00	0.00689	10.3	10.8	.00	29.15	987.0	-2.4	.00	58.4
06:00	0.006823	10.3	10.7	.00	29.16	987.5	.7	.00	62.9
07:00	0.006643	10.7	10.4	.00	29.18	988.2	75.1	.11	90.4
08:00	0.006542	11.1	10.3	.00	29.20	988.8	319.9	.46	97.4
09:00	0.005926 +	10.4	9.3 +	.00	29.21	989.1	549.8	.79	84.6
10:00	0.005539	9.7	8.7	.00	29.20	988.8	734.4	1.05	84.7
11:00	0.00494	9.7 +	7.8	.00	29.20	988.7	860.8	1.23	94.7
12:00	0.005449	9.7	8.6	.00	29.18	988.1	975.6	1.40	70.7
13:00	0.005912	10.3	9.3	.00	29.13	986.6	1004.5	1.44	55.4
14:00	0.006287	11.0	9.9	.00	29.09	985.0	979.6	1.40	78.8
15:00	0.006292	10.9	9.9	.00	29.08	984.8	874.8	1.25	61.1
16:00	0.005767	10.1	9.0	.00	29.07	984.4	625.8	.90	69.8
17:00	0.00587	10.3	9.2	.00	29.06	984.1	362.6	.52	57.7
18:00	0.00665	12.4	10.4	.00	29.05	983.9	192.6	.28	91.8
19:00	0.007851	14.2	12.3	.00	29.05	983.8	66.9	.10	24.6
20:00	0.008299	14.0	13.0	.00	29.05	983.7	3.4	.00	33.4
21:00	0.008452	13.7	13.2	.00	29.05	983.8	-2.6	.00	50.2
22:00	0.008123	13.4	12.7	.00	29.05	983.7	-2.8	.00	68.7
23:00	0.007845	12.8	12.3	.00	29.04	983.5	-2.6	.00	53.8
Avg	0.006618	11.2	10.4	.00	29.12	986.0	316.8	.46	68.0
Max	0.008452	14.2	13.2	.00	29.21	989.1	1004.5	1.44	252.0
Hr. of Max	21	19	21	23	09	09	13	13	01
Min	0.00494	9.7	7.8	.00	29.04	983.5	-3.4	.00	24.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/3/2017

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	257.6	265.5	246.2	260.1	32.9	9.7	4.8	1.7	3.2
01:00	245.8	268.7	265.6	263.9	44.6	9.4	4.5	.9	2.0
02:00	98.4	214.3	89.2	202.1	.1	27.2	12.5	.0	.4
03:00	53.3	73.0	16.7	63.4	37.3	29.5	23.8	.3	1.6
04:00	67.7	65.4	43.4	55.2	34.9	14.9	22.8	.4	1.4
05:00	68.0	60.8	11.5	52.0	19.4	9.3	9.0	.3	1.1
06:00	65.0	55.0	25.4	46.2	12.5	12.9	5.9	.5	1.7
07:00	76.1	42.8	99.1	31.9	11.6	12.4	13.7	.5	1.5
08:00	83.3	69.9	101.7	59.9	30.0	28.4	20.2	1.3	2.3
09:00	80.8	73.5	80.8	64.7	19.6	25.8	16.4	5.3	4.9
10:00	79.4	78.2	80.4	66.0	23.9	20.4	23.6	5.3	6.2
11:00	92.8	87.2	92.2	77.8	21.4	19.5	16.3	4.8	5.3
12:00	62.0	63.5	66.3	53.9	51.7	43.8	33.5	2.8	3.4
13:00	53.9	54.3	50.8	45.2	41.6	31.9	25.6	3.3	4.3
14:00	71.4	67.9	70.8	58.5	26.2	23.1	17.1	5.2	6.5
15:00	56.1	56.4	53.3	46.3	32.4	25.6	19.6	3.9	5.6
16:00	65.7	77.1	64.7	67.3	52.4	41.7	38.0	1.9	2.6
17:00	27.8	30.8	23.9	20.8	54.1	50.1	39.8	.9	1.8
18:00	100.5	93.1	89.3	83.2	31.3	30.8	17.8	1.7	2.5
19:00	64.6	88.0	346.1	78.4	23.6	20.3	15.7	1.0	1.7
20:00	51.9	64.2	7.7	55.0	23.5	9.3	7.5	1.4	2.9
21:00	66.6	61.8	38.0	53.1	12.4	8.7	3.3	1.6	3.3
22:00	64.1	56.5	58.0	47.6	17.6	11.7	3.7	1.2	3.9
23:00	60.5	58.9	43.7	50.0	17.2	10.1	4.4	2.1	5.2
Avg	68.0	65.0	52.0	55.0	28.0	21.9	16.6	.0	.0
Max	257.6	268.7	346.1	263.9	54.1	50.1	39.8	5.3	6.5
Hr. of Max	00	01	19	01	17	17	17	10	14
Min	27.8	30.8	7.7	20.8	.1	8.7	3.3	.0	.4
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)

5/3/2017

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	4.9	1.8	3.5	5.0	2.2	5.2	1.8	.4	.05
01:00	4.7	.9	2.0	4.8	1.2	4.9	2.3	1.2	.05
02:00	1.4	.0	.8	1.6	.2	1.9	.9	.9	.01
03:00	2.2	.7	1.7	2.4	1.0	2.7	1.7	.9	.02
04:00	1.2	.6	1.4	1.4	.9	1.7	2.4	.8	.03
05:00	2.4	.3	1.2	2.4	.8	2.6	2.1	.8	.03
06:00	3.1	.5	1.7	3.1	1.0	3.3	2.3	1.6	.04
07:00	2.9	.6	1.6	2.9	1.0	3.1	-.6	1.8	-.01
08:00	3.0	1.5	2.4	3.1	2.3	3.4	6.2	4.0	.17
09:00	6.2	5.6	5.4	6.4	5.9	6.9	-1.0	4.7	-.17
10:00	6.1	5.7	6.5	6.3	6.2	7.3	.2	1.7	-.14
11:00	5.5	5.0	5.6	5.8	5.4	6.2	-.7	-2.4	-.13
12:00	3.9	4.0	4.4	4.5	4.5	5.2	-2.2	-.8	-.24
13:00	5.0	4.1	5.0	5.4	4.7	6.1	.4	1.8	-.17
14:00	7.8	5.6	7.1	8.2	6.4	8.8	-.1	.4	-.16
15:00	6.6	4.5	6.2	7.0	5.2	7.6	-1.6	-1.3	-.33
16:00	3.0	3.1	4.2	4.7	3.7	5.2	2.7	4.2	-.17
17:00	2.3	1.5	2.5	2.9	2.1	3.4	-1.7	11.8	-.16
18:00	3.5	1.8	2.7	3.7	2.6	4.3	8.1	15.2	.37
19:00	2.8	1.1	1.9	2.9	1.5	3.2	1.7	5.6	.05
20:00	4.1	1.5	3.0	4.1	1.7	4.4	-.3	-.7	-.07
21:00	6.5	1.7	3.4	6.5	1.7	6.7	-2.8	.8	-.11
22:00	8.1	1.3	4.0	8.1	1.5	8.4	-.4	1.6	-.05
23:00	8.3	2.2	5.3	8.3	2.3	8.6	-2.8	.2	-.20
Avg	.0	2.3	3.5	4.6	2.8	5.0	.8	2.3	-.05
Max	8.3	5.7	7.1	8.3	6.4	8.8	8.1	15.2	.37
Hr. of Max	23	10	14	23	14	14	18	18	18
Min	1.2	.0	.8	1.4	.2	1.7	-2.8	-2.4	-.33
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/3/2017

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	.04	4.1	5.5	13.1	5.7	2.9	15.4	18.4
01:00	.09	3.9	3.7	9.8	6.9	3.0	14.0	17.7
02:00	.06	.9	3.7	9.2	4.8	7.8	12.6	14.6
03:00	.04	3.9	8.0	8.2	11.3	14.9	12.1	14.1
04:00	.02	2.3	2.3	2.7	7.7	8.5	11.5	12.9
05:00	.04	1.6	3.0	4.8	9.2	3.7	10.9	11.7
06:00	.10	2.1	3.4	5.0	7.7	3.2	10.3	11.0
07:00	.10	2.7	3.7	8.2	15.0	5.8	10.8	11.6
08:00	.16	7.3	7.6	8.0	26.4	19.4	13.9	13.0
09:00	.47	11.0	13.0	12.1	15.6	13.7	16.3	15.5
10:00	.17	14.4	17.2	21.0	16.7	14.1	17.7	17.1
11:00	-.24	10.8	14.0	11.4	16.2	16.5	18.8	17.9
12:00	-.01	10.5	10.3	10.1	25.6	25.2	20.2	19.3
13:00	.18	12.1	13.3	14.0	23.9	24.5	21.6	20.6
14:00	-.01	18.5	18.5	17.2	20.6	15.9	22.7	21.7
15:00	-.27	13.1	12.8	13.7	22.9	16.1	23.8	22.7
16:00	.12	13.3	19.2	16.7	29.2	23.2	24.6	23.7
17:00	.56	5.3	7.1	6.6	26.7	23.8	24.8	24.0
18:00	1.11	5.7	9.4	7.1	19.8	16.1	24.2	23.7
19:00	.39	3.0	5.5	7.8	14.7	10.5	22.7	22.9
20:00	-.01	4.8	6.6	9.6	12.7	6.3	21.0	21.8
21:00	.10	3.4	8.7	11.7	10.5	2.8	19.9	20.6
22:00	.24	4.6	8.5	11.4	16.9	3.0	19.1	20.1
23:00	.02	6.2	10.3	15.6	15.2	3.1	18.5	19.3
Avg	.14	6.9	9.0	10.6	15.9	11.8	17.8	18.2
Max	1.11	18.5	19.2	21.0	29.2	25.2	24.8	24.0
Hr. of Max	18	14	16	10	16	12	17	17
Min	-.27	.9	2.3	2.7	4.8	2.8	10.3	11.0
Count	24	24	24	24	24	24	24	24
Total								