Date Printed: 05/21/2017 05:43

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/20/2017

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	20.3	21.8	22.0	22.4	1.49	1.69	2.14	.20	.65
01:00	20.2	21.4	21.6	22.1	1.23	1.37	1.92	.14	.69
02:00	19.8	20.9	21.4	21.8	1.12	1.55	2.00	.43	.88
03:00	20.3	21.1	21.3	22.1	.80	1.01	1.83	.21	1.03
04:00	19.5	20.4	20.8	21.2	.84	1.25	1.64	.42	.81
05:00	19.7	20.5	20.7	20.9	.87	1.03	1.20	.16	.34
06:00	20.0	20.6	20.6	20.8	.64	.65	.76	.01	.12
07:00	21.3	21.5	21.5	21.5	.18	.19	.13	.00	-.05
08:00	23.3	22.9	22.7	22.6	-.39	-.59	-.69	-.21	-.31
09:00	25.3	24.8	24.6	24.4	-.56	-.76	-.93	-.21	-.38
10:00	27.5	26.6	26.2	26.1	-.97	-1.31	-1.42	-.35	-.46
11:00	28.6	27.5	27.1	27.0	-1.12	-1.51	-1.63	-.40	-.51
12:00	29.5	28.1	27.8	27.6	-1.42	-1.77	-1.90	-.35	-.48
13:00	29.9	28.5	28.2	28.1	-1.35	-1.67	-1.76	-.32	-.41
14:00	30.8	29.3	28.9	28.8	-1.47	-1.86	-1.99	-.39	-.52
15:00	31.2	30.0	29.6	29.5	-1.20	-1.59	-1.74	-.38	-.54
16:00	31.0	30.2	29.8	29.7	-.87	-1.22	-1.36	-.35	-.49
17:00	31.5	30.7	30.4	30.2	-.80	-1.10	-1.31	-.31	-.51
18:00	30.8	30.5	30.3	30.2	-.25	-.46	-.56	-.21	-.31
19:00	26.8	28.0	28.9	29.3	1.16	2.07	2.49	.91	1.33
20:00	24.6	26.5	26.8	27.4	1.82	2.19	2.77	.37	.95
21:00	25.5	27.0	27.2	27.5	1.49	1.67	1.99	.18	.50
22:00	23.0 P	23.0 P	22.9 P	22.9 P	P	P	P	P	P
23:00	19.4	19.3	19.3	19.3	-.08	-.16	-.14	-.08	-.06
Avg	25.0	25.0	25.0	25.1	.05	.03	.15	-.02	.10
Max	31.5	30.7	30.4	30.2	1.82	2.19	2.77	.91	1.33
Hr. of Max	17	17	17	18	20	20	20	19	19
Min	19.4	19.3	19.3	19.3	-1.47	-1.86	-1.99	-.40	-.54
Count	24	24	24	24	23	23	23	23	23
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/20/2017

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	18.9	19.9	19.3	22.5	93.9	91.3	16.2	17.1	0.014098
01:00	18.8	19.8	19.3	22.4	94.1	92.9	16.1	17.1	0.014058
02:00	18.9	20.0	19.2	22.3	96.8	96.7	16.2	17.3	0.014148
03:00	19.3	20.1	19.6	22.2	96.4	96.6	16.6	17.4	0.014483
04:00	18.8	19.8	19.0	22.1	97.8	98.9	16.1	17.1	0.014026
05:00	19.0	20.0	19.2	22.0	97.9	98.8	16.3	17.3	0.014173
06:00	19.3	20.1	19.5	21.9	98.0	98.8	16.6	17.3	0.014459
07:00	20.0	19.9	20.5	21.8	94.7	92.7	17.3	17.1	0.015136
08:00	19.4	19.1	20.7	21.7	80.9	80.9	16.6	16.2	0.014615
09:00	18.9	18.3	21.1	21.7	69.4	69.1	16.0	15.4	0.014159
10:00	17.2	16.5	20.6	21.7	54.8	55.6	14.2	13.7	0.012692
11:00	16.1	15.5	20.3	21.8	47.9	49.2	13.3	12.8	0.011862
12:00	16.1	15.6	20.6	22.0	45.6	47.8	13.3	12.9	0.011899
13:00	16.5	16.1	21.0	22.3	45.8	48.3	13.6	13.3	0.012194
14:00	15.4	15.0	20.5	22.7	40.7	43.0	12.7	12.4	0.011407
15:00	14.2	13.8	19.9	23.0	36.7	38.3	11.7	11.5	0.01058
16:00	13.8	13.3	19.6	23.2	36.2	36.7	11.5	11.1	0.010337
17:00	13.6	13.0	19.6	23.4	34.8	34.8	11.3	10.8	0.010197
18:00	14.8	13.8	20.1	23.5	39.3	37.3	12.2	11.5	0.011006
19:00	17.7	15.7	20.8	23.5	59.1	48.7	14.8	13.0	0.013196
20:00	17.8	17.1	20.1	23.5	67.2	57.9	14.9	14.2	0.013189
21:00	16.9	16.0	19.8	23.5	60.9	52.4	14.1	13.3	0.012489
22:00	P	P	P	23.4 P	67.2 P	67.4 P	P	P	P
23:00	17.7	17.8	18.3	23.3	91.6	92.7	15.0	15.1	0.013037
Avg	17.4	17.2	19.9	22.6	68.7	67.8	14.6	14.6	0.012932
Max	20.0	20.1	21.1	23.5	98.0	98.9	17.3	17.4	0.015136
Hr. of Max	07	06	09	21	06	04	07	03	07
Min	13.6	13.0	18.3	21.7	34.8	34.8	11.3	10.8	0.010197
Count	23	23	23	24	24	24	23	23	23
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/20/2017

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	0.015023	21.9	23.3	.00	29.15	987.2	-2.2	.00	66.7
01:00	0.014973	21.8	23.2	.00	29.15	987.0	-3.0	.00	72.7
02:00	0.015139	21.9	23.4	.00	29.14	986.9	-2.2	.00	71.3
03:00	0.015244	22.5	23.6	.00	29.14	986.7	-1.4	.00	86.9
04:00	0.014938	21.8	23.1	.00	29.14	987.0	-2.1	.00	121.7
05:00	0.015087	22.0	23.4	.00	29.16	987.5	-2.5	.00	78.1
06:00	0.015166	22.4	23.5	.00	29.17	988.0	2.6	.00	56.4
07:00	0.014995	23.5	23.3	.00	29.18	988.1	118.6	.17	64.6
08:00	0.014267	22.7	22.2	.00	29.18	988.1	313.7	.45	82.8
09:00	0.013634	22.0	21.2	.00	29.18	988.3	525.8	.75	183.8
10:00	0.012161	19.8	19.0	.00	29.18	988.4	689.6	.99	220.7
11:00	0.01142	18.5	17.8	.00	29.19	988.7	860.7	1.23	209.2
12:00	0.01149	18.6	17.9	.00	29.19	988.7	984.5	1.41	211.2
13:00	0.011889	19.0	18.5	.00	29.19	988.4	893.9	1.28	223.4
14:00	0.011073	17.8	17.3	.00	29.16	987.4	952.5	1.37	188.4
15:00	0.010292	16.5	16.1	.00	29.12	986.2	849.9	1.22	192.9
16:00	0.009965	16.1	15.5	.00	29.09	985.1	519.6	.74	173.2
17:00	0.009755	15.9	15.2	.00	29.07	984.4	466.4	.67	196.5
18:00	0.010312	17.1	16.1	.00	29.07	984.5	297.6	.43	206.9
19:00	0.011625	20.5	18.1	.00	29.08	985.0	110.0	.16	356.7
20:00	0.012656	20.5	19.7	.00	29.11	985.7	11.2	.02	44.0
21:00	0.01181	19.4	18.4	.00	29.13	986.3	-2.2	.00	222.5
22:00	P	P	P	.00 P	29.20 P	989.0 P	-2.0 P	.00 P	223.7 P
23:00	0.013112	20.3	20.4	.01	29.19	988.5	-2.0	.00	229.4
Avg	0.012871	20.1	20.0	.00	29.15	987.1	315.7	.45	155.0
Max	0.015244	23.5	23.6	.01	29.20	989.0	984.5	1.41	356.7
Hr. of Max	03	07	03	23	22	22	12	12	19
Min	0.009755	15.9	15.2	.00	29.07	984.4	-3.0	.00	44.0
Count	23	23	23	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/20/2017

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	68.2	63.1	44.6	54.5	21.9	13.3	9.7	.8	1.7
01:00	71.5	58.2	43.5	49.7	17.0	15.3	9.1	.5	1.5
02:00	50.1	58.2	48.2	48.8	21.8	15.8	11.7	.9	2.2
03:00	75.5	28.4	32.0	19.7	38.3	22.8	26.4	.3	1.1
04:00	164.5	47.0	250.8	51.1	33.3	45.2	17.6	.2	.5
05:00	70.6	61.6	21.1	52.5	31.1	11.8	8.9	.7	1.6
06:00	56.1	63.4	43.1	54.8	15.7	10.1	6.3	1.5	2.8
07:00	50.6	49.9	48.5	40.3	19.0	19.9	14.4	1.2	2.2
08:00	68.1	61.1	70.5	51.4	28.4	44.2	42.1	1.5	1.6
09:00	214.5	210.4	200.8	206.1	55.4	41.3	38.2	1.5	1.7
10:00	226.9	224.8	224.1	220.0	28.8	22.7	18.6	4.5	5.9
11:00	221.4	220.3	210.9	215.9	26.2	21.1	19.0	4.9	6.2
12:00	222.0	218.7	213.9	214.2	37.4	28.4	21.1	5.0	6.5
13:00	231.9	229.7	224.5	225.0	35.5	26.4	20.6	4.7	6.1
14:00	202.7	197.9	193.0 +	193.1	45.8	42.3	34.4	3.5	4.4
15:00	200.4	198.7	194.4	193.9	35.5	31.9	29.3	4.1	5.1
16:00	184.0	185.8	175.6	180.9	40.4	30.2	24.4	3.5	4.6
17:00	210.5	207.6	202.3	202.2	36.7	30.9	30.6	2.8	3.2
18:00	220.9	214.2	217.6	209.9	38.6	19.9	16.7	2.5	3.8
19:00	213.6	170.8	305.6	161.3	37.9	24.8	15.7	.6	.3
20:00	61.3	85.3	16.6	76.7	19.8	11.4	12.9	1.3	2.6
21:00	202.9	188.8	238.6	184.1	43.1	33.0	17.0	2.3	4.2
22:00	226.9 P	222.9 P	224.4 P	218.6 P	24.1 P	18.4 P	13.4 P	9.3 P	13.9 P
23:00	248.3	250.7	238.6	245.6	37.8	24.0	20.3	2.6	4.6
Avg	178.0	165.0	215.0	161.0	32.1	25.2	19.9	.0	.0
Max	248.3	250.7	305.6	245.6	55.4	45.2	42.1	9.3	13.9
Hr. of Max	23	23	19	23	09	04	08	22	22
Min	50.1	28.4	16.6	19.7	15.7	10.1	6.3	.2	.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/20/2017

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	2.9	.9	1.8	2.9	1.2	3.1	2.5	1.3	.05
01:00	3.1	.5	1.6	3.2	.9	3.4	2.7	.4	.04
02:00	3.2	1.0	2.7	3.3	1.4	3.5	2.0	.7	.04
03:00	2.0	1.1	1.2	2.3	1.4	2.5	2.3	.1	.03
04:00	.9	.4	.6	.9	1.1	1.3	1.0	.1	.02
05:00	2.6	.9	1.7	2.7	1.3	2.9	.2	.4	-.02
06:00	3.4	1.6	2.9	3.4	1.7	3.6	-2.2	.2	-.09
07:00	2.8	1.3	2.4	2.9	1.6	3.1	.1	.2	-.03
08:00	1.6	1.7	1.9	1.9	2.1	2.3	-2.9	-6.5	-.10
09:00	2.1	2.0	2.1	2.4	2.6	3.0	2.1	.3	.02
10:00	6.7	4.9	6.3	7.0	5.5	7.5	-.3	-.6	-.21
11:00	7.0	5.5	6.6	7.3	6.1	8.0	-.6	-.9	-.20
12:00	7.6	6.0	7.3	8.3	6.6	8.8	.9	-1.9	-.15
13:00	7.0	5.7	6.8	7.6	6.2	8.3	.3	-.2	-.12
14:00	5.6	4.6	5.5	6.4	5.2	6.9	.7	-1.2	-.04
15:00	5.5	4.9	5.8	6.2	5.6	6.8	2.5	3.4	.04
16:00	5.6	4.5	5.4	6.4	5.1	6.8	-.3	-4.0	-.10
17:00	3.7	3.4	3.8	4.2	3.9	4.7	2.8	.3	.05
18:00	4.9	3.0	4.3	5.2	3.5	5.6	3.8	-.4	.11
19:00	.9	.7	1.0	1.4	1.1	1.7	.6	-.2	-.01
20:00	2.7	1.3	2.6	2.8	1.6	3.1	-.5	1.5	-.03
21:00	6.6	2.6	4.6	6.9	3.3	7.3	-1.7	-1.7	-.20
22:00	17.6 P	10.2 P	14.8 P	18.6 P	11.1 P	19.6 P	.8 P	-.6 P	-.16 P
23:00	6.1	3.1	5.0	6.4	3.6	6.7	-1.0	-.1	-.13
Avg	.0	3.0	4.1	5.0	3.5	5.4	.7	-.4	-.05
Max	17.6	10.2	14.8	18.6	11.1	19.6	3.8	3.4	.11
Hr. of Max	22	22	22	22	22	22	18	15	18
Min	.9	.4	.6	.9	.9	1.3	-2.9	-6.5	-.21
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/20/2017

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	.08	2.1	3.0	5.0	9.9	2.8	23.2	23.6
01:00	.02	1.8	3.2	5.7	8.5	3.0	22.8	23.3
02:00	.04	3.0	4.6	6.2	9.9	5.8	22.3	23.0
03:00	-.01	4.1	4.1	8.9	9.7	10.9	22.5	23.4
04:00	.00	2.5	3.0	3.9	7.8	11.4	21.8	22.4
05:00	.03	4.1	5.0	7.8	10.9	4.9	22.0	22.1
06:00	.01	3.9	5.7	7.1	9.4	3.9	22.1	21.9
07:00	.00	3.4	5.7	7.3	16.9	8.4	23.0	22.6
08:00	-.23	5.0	5.3	4.4	25.5	23.5	24.4	23.8
09:00	-.11	6.6	7.8	6.9	27.3	29.9	26.0	25.3
10:00	-.18	13.7	13.1	13.1	18.6	14.5	27.4	26.5
11:00	-.24	14.0	14.2	14.4	17.1	15.5	28.1	27.3
12:00	-.45	12.8	14.7	15.3	19.3	15.0	28.8	27.8
13:00	-.15	16.5	15.8	21.5	19.1	16.3	29.3	28.4
14:00	-.22	14.7	18.8	18.3	21.1	20.0	29.9	29.0
15:00	.15	14.4	13.5	14.2	19.2	20.7	30.5	29.6
16:00	-.48	13.1	14.7	15.3	19.8	18.0	30.6	29.9
17:00	-.17	11.4	13.3	14.7	21.3	23.4	31.1	30.4
18:00	-.13	8.7	9.4	10.5	18.4	11.8	31.0	30.4
19:00	-.02	1.8	4.1	5.7	11.4	9.7	28.9	29.8
20:00	.08	3.9	4.8	4.6	10.6	7.3	27.4	28.2
21:00	-.37	10.3	11.2	16.0	18.5	11.9	27.9	28.0
22:00	-.38 P	<	<	<	<	<	23.9 P	23.4 P
23:00	-.09	15.3	25.6	30.2	14.3	7.2	20.7	20.3
Avg	-.12	8.1	9.6	11.2	15.8	12.9	26.1	25.9
Max	.15	16.5	25.6	30.2	27.3	29.9	31.1	30.4
Hr. of Max	15	13	23	23	09	09	17	18
Min	-.48	1.8	3.0	3.9	7.8	2.8	20.7	20.3
Count	24	23	23	23	23	23	24	24
Total								