Date Printed: 06/05/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/4/2017

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	17.9	19.8	20.1	21.0	1.87	2.22	3.04	.34	1.16
01:00	17.0	18.8	19.2	20.0	1.80	2.16	2.95	.36	1.15
02:00	16.1	18.1	18.3	19.2	1.91	2.16	3.07	.24	1.15
03:00	15.6	17.3	17.5	17.9	1.72	1.89	2.29	.17	.57
04:00	15.4	16.8	17.0	17.4	1.41	1.62	2.00	.22	.59
05:00	16.1	16.9	17.0	17.4	.80	.90	1.29	.09	.49
06:00	17.2	17.6	17.6	17.7	.40	.41	.52	.00	.12
07:00	17.9	18.0	17.9	17.9	.09	.05	-.01	-.04	-.10
08:00	20.3	19.9	19.7	19.5	-.41	-.67	-.81	-.26	-.39
09:00	22.1	21.6	21.3	21.2	-.43	-.73	-.87	-.30	-.44
10:00	23.5	23.1	22.8	22.7	-.45	-.72	-.84	-.27	-.39
11:00	23.2	22.8	22.5	22.4	-.43	-.70	-.83	-.27	-.40
12:00	23.7	23.2	22.9	22.8	-.56	-.81	-.91	-.25	-.35
13:00	23.3	22.8	22.6	22.5	-.48	-.69	-.77	-.21	-.29
14:00	23.7	22.9	22.7	22.6	-.76	-.99	-1.07	-.23	-.31
15:00	24.8	24.3	24.0	23.9	-.55	-.83	-.93	-.28	-.38
16:00	24.3	23.8	23.5	23.4	-.50	-.79	-.91	-.29	-.42
17:00	24.0	23.6	23.3	23.2	-.37	-.65	-.78	-.28	-.40
18:00	23.5	23.2	23.0	22.9	-.25	-.49	-.60	-.23	-.34
19:00	23.0	22.8	22.6	22.5	-.15	-.38	-.49	-.23	-.34
20:00	22.5	22.5	22.4	22.4	-.06	-.13	-.13	-.07	-.07
21:00	21.6	21.9	22.0	22.1	.24	.37	.46	.13	.22
22:00	21.2	21.5	21.6	21.7	.29	.42	.53	.14	.24
23:00	20.8	20.9	21.0	21.3	.14	.20	.49	.06	.35
Avg	20.8	21.0	20.9	21.1	.22	.16	.28	-.06	.06
Max	24.8	24.3	24.0	23.9	1.91	2.22	3.07	.36	1.16
Hr. of Max	15	15	15	15	02	00	02	01	00
Min	15.4	16.8	17.0	17.4	-.76	-.99	-1.07	-.30	-.44
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/4/2017

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	15.6	15.6	16.3	21.7	87.7	78.3	13.2	13.2	0.011387
01:00	15.3	15.4	15.9	21.6	91.2	81.9	13.0	13.0	0.011201
02:00	14.8	15.0	15.2	21.5	93.4	84.0	12.6	12.8	0.010838
03:00	14.5	14.6	14.8	21.3	94.6	85.7	12.4	12.5	0.010605
04:00	14.4	14.8	14.7	21.2	95.6	89.5	12.3	12.6	0.010551
05:00	15.1	15.1	15.4	21.0	95.3	90.4	12.9	12.8	0.011048
06:00	15.4	15.2	16.0	20.9	91.3	87.9	13.1	13.0	0.011295
07:00	15.5	15.1	16.3	20.8	87.7	85.2	13.1	12.8	0.01134
08:00	15.0	14.3	16.8	20.7	72.9	71.5	12.6	12.1	0.010995
09:00	14.8	14.2	17.3	20.7	65.0	63.8	12.5	11.9	0.010913
10:00	16.0	15.1	18.5	20.7	64.3	62.3	13.4	12.7	0.011791
11:00	17.0	16.4	19.1	20.8	69.5	68.7	14.2	13.7	0.012545
12:00	17.5	17.1	19.6	20.9	69.8	70.2	14.7	14.3	0.012963
13:00	17.9	17.3	19.7	21.0	73.6	72.9	15.1	14.5	0.013303
14:00	18.6	17.7	20.3	21.1	75.0	74.1	15.7	14.9	0.013907
15:00	18.0	17.4	20.3	21.2	67.4	67.2	15.1	14.6	0.013399
16:00	18.4	18.1	20.4	21.3	71.6	72.2	15.5	15.2	0.013796
17:00	19.3	19.1	20.9	21.4	77.1	77.5	16.4	16.2	0.014599
18:00	20.0	19.8	21.1	21.6	82.7	83.3	17.1	17.0	0.015202
19:00	19.9	19.9	20.9	21.6	84.7	85.6	17.0	17.1	0.015096
20:00	20.0	20.1	20.9	21.7	87.8	88.4	17.2	17.3	0.015228
21:00	20.2	20.6	20.6	21.7	93.7	95.1	17.4	17.9	0.015365
22:00	20.2	20.6	20.5	21.7	96.4	97.5	17.5	17.9	0.015385
23:00	20.1	20.4	20.3	21.7	98.0	99.2	17.4	17.7	0.015301
Avg	17.2	17.0	18.4	21.2	82.8	80.5	14.6	14.5	0.012836
Max	20.2	20.6	21.1	21.7	98.0	99.2	17.5	17.9	0.015385
Hr. of Max	22	22	18	23	23	23	22	22	22
Min	14.4	14.2	14.7	20.7	64.3	62.3	12.3	11.9	0.010551
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/4/2017

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	0.011434	17.7	17.8	.00	29.11	985.7	-2.8	.00	69.1
01:00	0.011258	17.4	17.5	.00	29.11	985.7	-2.2	.00	51.9
02:00	0.01101	16.9	17.1	.00	29.09	985.3	-2.2	.00	51.5
03:00	0.010724	16.5	16.7	.00	29.09	985.1	-2.2	.00	52.1
04:00	0.010814	16.4	16.8	.00	29.09	985.2	-2.5	.00	56.4
05:00	0.011023	17.2	17.2	.00	29.09	985.3	-2.1	.00	69.9
06:00	0.011167	17.6	17.4	.00	29.09	985.3	12.6	.02	61.9
07:00	0.01108	17.6	17.2	.00	29.10	985.4	120.1	.17	54.4
08:00	0.01051	17.1	16.4	.00	29.10	985.4	386.8	.55	64.2
09:00	0.010429	17.0	16.3	.00	29.10	985.5	435.1	.62	81.7
10:00	0.011136	18.3	17.3	.00	29.10	985.3	449.9	.64	195.8
11:00	0.012081	19.5	18.8	.00	29.09	985.0	374.2	.54	204.8
12:00	0.012603	20.1	19.6	.00	29.08	985.0	338.8	.49	234.0
13:00	0.012799	20.6	19.8	.00	29.07	984.3	305.6	.44	256.3
14:00	0.013117	21.5	20.3	.00	29.05	983.7	638.2	.91	246.2
15:00	0.012936	20.7	20.0	.00	29.03	983.0	463.4	.66	176.2
16:00	0.013502	21.3	20.9	.00	29.01	982.3	380.2	.55	166.8
17:00	0.01436	22.5	22.2	.00	28.99	981.8	233.9	.34	163.3
18:00	0.015079	23.4	23.2	.00	28.99	981.6	153.6	.22	183.3
19:00	0.015115	23.3	23.3	.00	28.99	981.7	105.5	.15	175.1
20:00	0.01528	23.5	23.5	.00	29.00	982.1	25.3	.04	230.6
21:00	0.015834	23.7	24.4	.00	29.00	982.1	-2.0	.00	125.7
22:00	0.015827	23.7	24.4	.02	29.00	982.1	-2.8	.00	241.5
23:00	0.015611	23.6	24.0	.00	29.00	982.0	-2.2	.00	235.4
Avg	0.012697	19.9	19.7	.00	29.06	984.0	183.4	.26	142.0
Max	0.015834	23.7	24.4	.02	29.11	985.7	638.2	.91	256.3
Hr. of Max	21	22	22	22	01	01	14	14	13
Min	0.010429	16.4	16.3	.00	28.99	981.6	-2.8	.00	51.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/4/2017

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	69.8	54.5	52.4	45.5	19.7	13.1	5.3	1.1	2.1
01:00	65.2	51.0	5.6	41.7	17.0	12.3	5.5	.7	1.5
02:00	65.2	50.1	25.5	40.6	13.8	12.9	6.6	1.0	1.8
03:00	70.4	65.1	20.8	56.7	11.6	10.1	6.7	.7	1.6
04:00	72.0	56.8	39.5	48.0	17.7	8.7	5.3	1.0	2.3
05:00	65.1	53.7	55.0	44.3	16.1	13.0	6.5	1.0	2.2
06:00	55.9	61.9	52.3	52.9	19.7	13.5	9.6	1.8	3.3
07:00	53.3	66.5	39.8	57.8	21.1	16.9	12.2	1.6	2.7
08:00	55.8	54.9	55.9	45.9	26.3	20.3	14.8	2.8	4.0
09:00	65.7	62.0	77.3	52.6	25.3	28.4	23.9	2.5	3.0
10:00	228.6	224.6	209.3	219.4	39.5	50.2	49.1	1.7	1.7
11:00	222.7	219.2	210.4	215.1	22.7	20.8	14.7	2.8	3.1
12:00	242.2	238.7	236.3	234.6	23.5	15.9	12.1	4.1	5.1
13:00	265.2	262.6	256.2	258.1	36.5	20.1	16.5	2.7	3.5
14:00	257.8	255.2	246.9	249.5	34.1	25.2	22.3	2.5	3.2
15:00	191.2	185.9	180.1	180.3	33.3	32.8	28.5	2.8	3.2
16:00	179.3	178.6	170.9	172.9	24.5	21.2	19.2	3.8	4.5
17:00	181.2	179.6	175.0	174.0	22.4	25.2	22.4	2.0	2.5
18:00	197.0	194.1	191.0	189.5	26.5	21.2	18.3	2.7	3.4
19:00	196.6	192.0	186.6	187.3	21.4	21.9	18.0	2.3	2.7
20:00	265.8	268.9	249.4	261.9	59.2	17.8	14.9	.7	1.9
21:00	207.7	203.4	259.9	197.5	27.7	14.2	14.3	.3	.7
22:00	231.4	215.2	248.8	211.3	26.8	10.3	7.9	1.2	2.3
23:00	243.3	224.8	242.1	221.1	20.7	6.9	5.8	1.9	3.5
Avg	171.0	166.0	207.0	165.0	25.3	18.9	15.0	.0	.0
Max	265.8	268.9	259.9	261.9	59.2	50.2	49.1	4.1	5.1
Hr. of Max	20	20	21	20	20	10	10	12	12
Min	53.3	50.1	5.6	40.6	11.6	6.9	5.3	.3	.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/4/2017

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	1.1	2.2	4.0	1.3	4.2	1.5	.8	.04
01:00	3.0	.7	1.5	3.0	1.1	3.2	.9	1.3	.04
02:00	2.4	1.0	1.8	2.4	1.4	2.6	1.7	1.6	.03
03:00	2.7	.7	1.6	2.8	1.0	3.0	2.0	1.6	.03
04:00	3.6	1.1	2.4	3.6	1.4	3.8	-.4	1.1	-.02
05:00	4.2	1.1	2.3	4.2	1.3	4.4	.3	-.1	-.01
06:00	4.7	1.9	3.4	4.8	2.0	5.0	-2.6	.2	-.15
07:00	3.1	1.7	2.8	3.1	2.0	3.4	-3.3	.1	-.17
08:00	4.6	3.1	4.3	4.7	3.5	5.1	.3	1.6	-.16
09:00	3.4	2.7	3.3	3.6	3.1	4.1	.8	-.9	-.08
10:00	1.8	2.0	2.0	2.1	2.5	2.6	-.8	1.9	-.02
11:00	3.5	3.0	3.2	3.6	3.5	4.0	1.5	-1.8	-.01
12:00	5.4	4.5	5.4	5.7	5.0	6.2	-2.6	-2.9	-.37
13:00	3.9	2.9	3.7	4.0	3.4	4.4	.1	-2.7	-.14
14:00	3.7	3.0	3.6	4.2	3.5	4.6	-.7	-4.0	-.14
15:00	3.5	3.3	3.9	4.0	3.8	4.5	.7	-4.9	.07
16:00	5.0	4.0	4.7	5.2	4.6	5.5	.3	-1.1	-.06
17:00	3.0	2.2	2.8	3.2	2.7	3.6	4.4	-2.4	.11
18:00	4.1	3.1	3.8	4.4	3.6	4.7	3.2	-1.1	.05
19:00	3.8	2.4	2.9	3.9	2.9	4.3	3.9	1.6	.08
20:00	2.6	1.0	2.0	2.6	1.4	2.8	.9	-1.5	.00
21:00	1.4	.4	.8	1.4	1.0	1.6	.6	-1.4	.00
22:00	3.3	1.3	2.4	3.4	1.8	3.6	-1.1	-2.0	-.03
23:00	5.1	2.0	3.6	5.2	2.4	5.5	-1.2	-1.5	-.09
Avg	.0	2.1	2.9	3.7	2.5	4.0	.4	-.7	-.04
Max	5.4	4.5	5.4	5.7	5.0	6.2	4.4	1.9	.11
Hr. of Max	12	12	12	12	12	12	17	10	17
Min	1.4	.4	.8	1.4	1.0	1.6	-3.3	-4.9	-.37
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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6/4/2017

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	.05	2.3	3.7	6.6	7.5	3.1	20.8	21.8
01:00	.08	2.5	2.7	5.7	11.8	4.2	19.8	20.8
02:00	.08	2.7	5.0	5.7	6.3	4.1	18.9	20.0
03:00	.08	3.2	4.4	7.1	8.8	3.6	18.2	18.6
04:00	.07	3.7	5.3	7.8	8.5	2.9	17.7	18.1
05:00	-.02	3.4	4.8	8.5	10.0	4.3	17.9	18.2
06:00	-.02	4.8	7.6	11.4	15.2	6.4	18.6	18.4
07:00	-.01	5.0	6.0	6.4	15.3	8.9	19.0	18.6
08:00	.04	9.6	8.9	11.7	22.5	14.3	21.0	20.2
09:00	-.01	7.1	10.1	9.8	24.4	21.9	22.6	21.8
10:00	.08	5.5	5.3	5.7	22.1	27.5	23.9	23.3
11:00	-.19	6.2	6.6	6.6	19.6	16.4	23.8	23.1
12:00	-.42	10.8	10.5	10.5	14.6	12.4	24.2	23.5
13:00	-.29	7.8	9.8	9.4	19.6	14.6	24.0	23.3
14:00	-.44	8.2	7.8	8.0	21.5	18.4	24.2	23.5
15:00	-.24	8.9	11.2	10.3	24.0	23.2	25.5	24.7
16:00	-.21	10.8	10.3	11.2	18.4	17.1	25.0	24.3
17:00	-.28	8.5	8.9	8.7	22.1	18.2	25.0	24.3
18:00	-.20	7.8	8.9	9.8	18.3	14.4	24.8	24.1
19:00	.01	7.6	8.9	10.3	17.9	14.5	24.3	23.7
20:00	-.04	3.0	5.0	6.0	12.2	8.5	24.0	23.6
21:00	-.04	1.8	2.7	3.9	10.1	4.2	23.4	23.3
22:00	-.11	3.4	5.0	5.7	6.6	4.0	23.0	22.9
23:00	-.15	4.8	6.2	10.8	7.5	1.9	22.5	22.6
Avg	-.09	5.8	6.9	8.2	15.2	11.2	22.2	21.9
Max	.08	10.8	11.2	11.7	24.4	27.5	25.5	24.7
Hr. of Max	10	16	15	08	09	10	15	15
Min	-.44	1.8	2.7	3.9	6.3	1.9	17.7	18.1
Count	24	24	24	24	24	24	24	24
Total								