Date Printed: 06/21/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/20/2017

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	20.0	20.6	20.8	21.1	.63	.81	1.16	.19	.53
01:00	20.6	20.6	20.7	20.9	.04	.08	.25	.04	.22
02:00	20.7	20.6	20.6	20.6	-.05	-.10	-.08	-.05	-.03
03:00	20.3	20.2	20.1	20.1	-.10	-.19	-.20	-.09	-.10
04:00	19.5	19.4	19.3	19.3	-.09	-.18	-.16	-.09	-.07
05:00	19.2	19.1	19.0	19.1	-.09	-.13	-.09	-.04	.00
06:00	18.9	18.8	18.7	18.7	-.09	-.17	-.18	-.08	-.09
07:00	18.7	18.5	18.4	18.4	-.17	-.27	-.31	-.10	-.14
08:00	19.3	19.0	18.8	18.8	-.30	-.46	-.50	-.16	-.21
09:00	20.7	20.2	19.7	19.9	-.60	-1.08	-.84	-.48	-.25
10:00	23.0	22.2	21.7	21.2	-.79	-1.25	-1.80	-.46	-1.01
11:00	25.3	24.4	24.1	23.9	-.95	-1.24	-1.47	-.30	-.52
12:00	27.0	26.0	25.6	25.4	-1.05	-1.48	-1.63	-.43	-.58
13:00	28.0	26.9	26.5	26.3	-1.17	-1.52	-1.68	-.35	-.51
14:00	29.0	27.6	27.1	27.0	-1.40	-1.83	-1.98	-.42	-.58
15:00	29.6	28.1	27.7	27.6	-1.47	-1.83	-1.97	-.36	-.50
16:00	29.1	28.2	27.8	27.7	-.92	-1.31	-1.44	-.39	-.53
17:00	28.8	28.2	27.8	27.7	-.60	-.94	-1.10	-.34	-.49
18:00	28.3	28.0	27.7	27.6	-.33	-.62	-.74	-.30	-.41
19:00	26.0	25.8	26.2	26.7	-.21	.20	.71	.41	.91
20:00	23.4	24.2	25.0	25.7	.76	1.59	2.26	.82	1.49
21:00	21.4	23.1	23.8	24.1	1.69	2.33	2.63	.64	.94
22:00	20.3	21.8	22.4	22.8	1.58	2.11	2.51	.53	.93
23:00	19.4	20.8	21.4	21.9	1.34	1.98	2.49	.65	1.15
Avg	23.2	23.0	23.0	23.0	-.18	-.23	-.17	-.05	.01
Max	29.6	28.2	27.8	27.7	1.69	2.33	2.63	.82	1.49
Hr. of Max	15	17	17	17	21	21	21	20	20
Min	18.7	18.5	18.4	18.4	-1.47	-1.83	-1.98	-.48	-1.01
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/20/2017

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	19.3	20.1	19.5	23.6	98.0	99.1	16.6	17.4	0.014458
01:00	19.9	20.2	20.1	23.5	98.1	99.5	17.2	17.5	0.01504
02:00	20.0	20.4	20.2	23.4	98.1	100.7	17.3	17.7	0.015124
03:00	19.6	19.7	19.8	23.3	98.1	99.6	16.9	17.0	0.014733
04:00	18.8	19.1	19.0	23.2	98.0	100.6	16.1	16.5	0.014039
05:00	18.5	18.9	18.7	23.2	98.1	101.3	15.8	16.2	0.013734
06:00	18.2	18.6	18.4	23.1	98.1	101.3	15.5	16.0	0.013474
07:00	18.0	18.4	18.3	23.0	98.1	101.3	15.4	15.7	0.013344
08:00	18.3	18.7	18.7	22.9	96.4	100.3	15.7	16.0	0.013598
09:00	18.0	18.2	18.9	22.9	86.5	90.7	15.3	15.5	0.013355
10:00	18.0	17.7	19.6	22.8	75.1	77.6	15.1	14.9	0.013303
11:00	17.0	16.4	19.8	22.9	61.6	62.9	14.2	13.7	0.012548
12:00	13.7	12.9	18.1	23.2	45.2	45.7	11.5	11.0	0.010186
13:00	12.3	11.6	17.6	23.5	38.9	39.6	10.5	10.0	0.009315
14:00	12.1	11.5	17.7	23.9	36.3	37.8	10.3	9.9	0.009174
15:00	12.0	11.3	17.8	24.2	34.8	36.2	10.2	9.8	0.009128
16:00	12.7	12.0	18.1	24.4	37.3	37.6	10.7	10.2	0.00953
17:00	13.0	12.3	18.2	24.6	38.9	38.5	10.9	10.4	0.009728
18:00	13.6	12.9	18.5	24.7	41.8	40.4	11.4	10.8	0.010167
19:00	17.1	16.4	20.1	24.7	59.5	57.6	14.2	13.6	0.012661
20:00	17.3	16.5	19.3	24.7	69.9	63.4	14.5	13.7	0.012752
21:00	16.2	16.1	18.0	24.7	73.7	65.9	13.6	13.4	0.011914
22:00	16.3	17.2	17.6	24.5	79.7	76.8	13.8	14.5	0.011971
23:00	16.7	17.5	17.6	24.4	85.9	83.5	14.1	14.8	0.012229
Avg	16.5	16.4	18.7	23.7	72.8	73.2	14.0	14.0	0.012313
Max	20.0	20.4	20.2	24.7	98.1	101.3	17.3	17.7	0.015124
Hr. of Max	02	02	02	21	07	07	02	02	02
Min	12.0	11.3	17.6	22.8	34.8	36.2	10.2	9.8	0.009128
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/20/2017

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	0.0152	22.4	23.5	.00	29.14	986.8	-2.6	.00	107.5
01:00	0.015293	23.3	23.7	.00	29.15	987.1	-2.3	.00	193.7
02:00	0.015478	23.4	24.0	.00	29.15	987.1	-2.5	.00	184.8
03:00	0.014882	22.8	23.1	.00	29.14	987.0	-2.4	.00	192.1
04:00	0.014319	21.8	22.2	.00	29.15	987.2	-2.3	.00	185.1
05:00	0.01411	21.3	21.9	.00	29.16	987.5	-2.3	.00	5.8
06:00	0.013848	20.9	21.5	.00	29.16	987.6	6.7	.01	14.9
07:00	0.013636	20.7	21.2	.00	29.17	987.7	70.6	.10	43.8
08:00	0.013898	21.1	21.6	.00	29.17	988.0	162.0	.23	64.2
09:00	0.013483	20.8	21.0	.00	29.19	988.4	368.0	.53	101.6
10:00	0.013085	20.7	20.4	.00	29.18	988.3	594.8	.85	84.7
11:00	0.012103	19.5	18.9	.00	29.18	988.3	814.9	1.17	99.3
12:00	0.00969	15.9	15.2	.00	29.17	988.0	973.4	1.40	88.5
13:00	0.008847	14.6	13.8	.00	29.16	987.6	997.1	1.43	99.4
14:00	0.0088	14.3	13.8	.00	29.15	987.1	1000.1	1.43	75.4
15:00	0.008701	14.3	13.6	.00	29.13	986.5	938.5	1.35	67.6
16:00	0.009097	14.9	14.2	.00	29.12	986.1	560.7	.80	133.1
17:00	0.009305	15.2	14.5	.00	29.10	985.6	471.5	.68	125.0
18:00	0.009654	15.8	15.1	.00	29.10	985.3	298.0	.43	138.1
19:00	0.01211	19.7	18.8	.00	29.10	985.5	137.8	.20	291.9
20:00	0.012118	19.8	18.8	.00	29.11	986.0	28.0	.04	18.7
21:00	0.011806	18.5	18.4	.00	29.12	986.2	-1.7	.00	35.0
22:00	0.012708	18.6	19.8	.00	29.13	986.6	-2.8	.00	61.3
23:00	0.012913	19.0	20.1	.00	29.14	986.8	-2.9	.00	12.3
Avg	0.012295	19.1	19.1	.00	29.14	987.0	308.3	.44	86.0
Max	0.015478	23.4	24.0	.00	29.19	988.4	1000.1	1.43	291.9
Hr. of Max	02	02	02	23	09	09	14	14	19
Min	0.008701	14.3	13.6	.00	29.10	985.3	-2.9	.00	5.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/20/2017

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	121.5	227.0	198.2	223.1	54.7	49.7	52.0	.1	.4
01:00	200.0	181.2	235.9	177.0	34.6	23.7	15.0	.8	1.4
02:00	196.5	189.4	212.3	184.7	25.8	20.2	16.9	1.0	2.0
03:00	241.0	234.5	239.8	230.3	36.9	22.9	18.5	.7	1.5
04:00	256.9	290.5	226.0	281.9	36.9	52.4	43.4	.8	1.0
05:00	342.3	327.2	322.3	318.2	34.5	54.8	57.0	.9	.8
06:00	.9	4.5	337.6	353.6	31.7	25.7	27.5	1.3	2.2
07:00	33.4	29.8	29.9	18.7	28.2	19.1	13.9	2.0	3.3
08:00	52.4	53.7	56.7	44.5	29.6	26.1	18.8	1.8	2.4
09:00	103.5	99.5	99.2	91.1	25.2	31.1	25.5	2.0	2.2
10:00	75.2	72.5	77.4	61.3	37.9	39.4	45.4	1.7	1.9
11:00	95.2	83.4	93.9	73.3	31.7	41.0	44.2	2.9	2.7
12:00	81.8	76.5	82.1	67.3	28.7	24.7	23.9	4.0	4.9
13:00	101.6	96.2	96.2	87.7	27.7	27.4	24.1	4.3	4.8
14:00	64.0	62.6	63.6	53.4	46.2	44.0	39.3	2.1	2.7
15:00	38.3	34.2	53.8	27.1	78.8	70.9	65.2	.9	1.4
16:00	138.9	135.8	133.4	129.2	27.3	24.5	21.5	4.0	4.6
17:00	133.4	133.9	124.9	127.2	26.8	24.8	25.2	3.3	3.8
18:00	140.7	132.1	141.9	125.1	20.3	17.9	14.4	2.4	2.9
19:00	237.9	185.9	273.8	181.5	60.2	19.7	14.7	.7	1.6
20:00	205.0	256.2	309.3	260.0	38.4	25.2	10.5	.5	.3
21:00	54.5	63.6	323.9	59.1	26.7	25.8	21.6	.2	.9
22:00	63.4	69.6	307.6	62.2	30.0	30.8	11.8	.3	1.0
23:00	263.7	212.1	300.1	216.5	53.1	23.4	10.7	.6	.7
Avg	100.0	100.0	56.0	89.0	36.3	31.9	27.5	.0	.0
Max	342.3	327.2	337.6	353.6	78.8	70.9	65.2	4.3	4.9
Hr. of Max	05	05	06	06	15	15	15	13	12
Min	.9	4.5	29.9	18.7	20.3	17.9	10.5	.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)

6/20/2017

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	1.1	.8	.8	1.4	1.2	1.7	3.5	2.4	.04
01:00	2.3	.9	1.5	2.5	1.5	2.7	.3	-.5	-.01
02:00	2.6	1.2	2.2	2.7	1.9	2.9	.2	-2.5	-.01
03:00	1.7	.9	1.6	1.9	1.5	2.1	.8	-4.4	-.02
04:00	.8	.9	1.1	1.0	1.5	1.3	1.3	-6.4	.00
05:00	.2	1.0	1.1	.7	1.3	1.2	.8	2.4	-.04
06:00	2.4	1.5	2.4	2.6	1.9	2.9	-3.8	-2.6	-.25
07:00	4.0	2.3	3.5	4.1	2.5	4.4	-3.4	-2.2	-.27
08:00	2.9	2.2	2.7	3.0	2.5	3.4	-1.0	2.4	-.16
09:00	2.5	2.2	2.6	2.9	2.8	3.3	5.8	7.9	.25
10:00	1.9	2.3	2.6	2.4	2.9	3.0	-2.8	-6.0	-.16
11:00	2.5	3.3	3.2	3.1	3.9	3.7	4.8	2.9	.18
12:00	5.3	4.5	5.4	5.9	5.0	6.4	-.9	-.7	-.16
13:00	5.4	4.6	5.2	5.7	5.3	6.2	-.3	-1.4	-.12
14:00	3.2	3.8	4.5	4.7	4.5	5.4	-3.4	-6.0	-.30
15:00	1.9	3.6	3.6	3.6	4.1	4.3	-2.5	-1.0	-.13
16:00	5.1	4.5	5.1	5.5	5.3	6.1	1.9	-1.3	.02
17:00	3.9	3.9	4.4	4.5	4.5	5.1	4.5	4.8	.26
18:00	3.3	2.7	3.2	3.5	3.3	4.1	7.7	4.8	.38
19:00	2.4	.9	2.1	2.7	1.4	2.9	6.0	.7	.13
20:00	1.2	.5	.4	1.3	1.0	1.5	1.5	1.0	.01
21:00	1.3	.3	1.0	1.3	.8	1.6	.7	1.0	.01
22:00	1.5	.4	1.1	1.6	1.1	1.8	2.3	.3	.03
23:00	.8	.8	.9	.8	1.1	1.1	1.2	-.6	.01
Avg	.0	2.1	2.6	2.9	2.6	3.3	1.1	-.2	-.01
Max	5.4	4.6	5.4	5.9	5.3	6.4	7.7	7.9	.38
Hr. of Max	13	13	12	12	16	12	18	09	18
Min	.2	.3	.4	.7	.8	1.1	-3.8	-6.4	-.30
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/20/2017

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	.02	2.7	2.5	4.6	11.4	12.9	22.1	22.4
01:00	-.04	4.4	6.2	7.1	11.5	10.6	22.1	22.1
02:00	-.16	3.9	5.3	5.5	12.3	10.3	22.2	21.9
03:00	-.16	3.2	3.4	3.7	15.9	14.9	21.6	21.2
04:00	-.13	3.2	4.4	5.3	18.3	22.7	20.8	20.4
05:00	.07	3.2	3.2	2.5	21.5	21.9	20.4	20.1
06:00	-.10	5.3	6.6	7.3	21.9	15.9	20.1	19.7
07:00	-.18	7.3	7.3	9.8	22.2	12.9	19.9	19.4
08:00	.13	5.0	6.4	5.7	24.0	15.9	20.6	19.9
09:00	.37	5.7	8.7	7.3	24.1	24.5	22.0	21.3
10:00	-.37	6.4	6.2	8.5	25.2	28.0	23.5	22.9
11:00	.14	9.6	9.8	9.6	24.6	29.5	25.5	24.8
12:00	-.03	11.7	11.0	11.4	22.3	19.7	26.7	25.8
13:00	-.09	12.4	19.9	19.5	20.1	19.8	27.4	26.6
14:00	-.37	12.4	12.1	13.3	23.4	24.8	28.1	27.2
15:00	-.14	9.2	9.6	11.0	22.5	28.2	28.5	27.7
16:00	-.17	11.9	12.4	12.1	18.8	20.2	28.6	27.8
17:00	.27	8.9	11.0	12.6	18.0	20.6	28.7	27.9
18:00	.33	7.8	6.2	7.6	17.2	15.0	28.6	27.8
19:00	.03	3.0	8.7	7.3	16.6	8.7	26.9	27.2
20:00	.03	2.3	5.5	7.6	9.5	6.9	25.1	26.3
21:00	.03	1.8	2.7	2.7	8.4	4.6	24.1	24.9
22:00	.02	2.5	4.1	4.1	6.9	4.4	22.9	23.7
23:00	-.01	4.4	2.7	2.1	7.3	4.7	21.9	23.0
Avg	-.02	6.2	7.3	7.8	17.7	16.6	24.1	23.8
Max	.37	12.4	19.9	19.5	25.2	29.5	28.7	27.9
Hr. of Max	09	14	13	13	10	11	17	17
Min	-.37	1.8	2.5	2.1	6.9	4.4	19.9	19.4
Count	24	24	24	24	24	24	24	24
Total								