Date Printed: 06/04/2017 08:36

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/3/2017

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	16.8	18.7	19.2	20.5	1.97	2.45	3.75	.48	1.79
01:00	16.3	18.1	18.5	19.6	1.84	2.24	3.36	.40	1.52
02:00	15.7	17.2	17.9	19.0	1.53	2.19	3.33	.66	1.80
03:00	15.1	16.6	17.1	18.3	1.51	2.05	3.24	.53	1.73
04:00	14.6	16.2	16.6	17.4	1.55	1.98	2.81	.43	1.26
05:00	14.3	15.8	16.2	16.9	1.49	1.97	2.62	.48	1.13
06:00	14.1	15.6	15.8	16.2	1.50	1.75	2.12	.25	.63
07:00	15.8	16.4	16.7	16.9	.62	.88	1.04	.26	.42
08:00	19.1	18.9	18.8	18.7	-.19	-.38	-.43	-.18	-.24
09:00	22.1	21.6	21.3	21.2	-.47	-.73	-.86	-.26	-.39
10:00	24.2	23.5	23.2	23.0	-.66	-.99	-1.16	-.33	-.50
11:00	25.8	25.0	24.7	24.5	-.79	-1.14	-1.30	-.34	-.51
12:00	27.1	26.3	25.9	25.7	-.84	-1.23	-1.44	-.39	-.60
13:00	28.0	27.2	26.8	26.6	-.82	-1.25	-1.47	-.43	-.65
14:00	28.6	27.8	27.5	27.4	-.78	-1.13	-1.25	-.34	-.47
15:00	29.0	28.3	27.9	27.8	-.76	-1.12	-1.29	-.36	-.53
16:00	29.2	28.5	28.2	28.0	-.67	-1.01	-1.15	-.34	-.48
17:00	29.1	28.6	28.3	28.2	-.49	-.79	-.92	-.30	-.43
18:00	28.6	28.5	28.3	28.2	-.11	-.32	-.41	-.21	-.30
19:00	26.1	27.3	27.4	27.5	1.18	1.30	1.44	.12	.25
20:00	23.3	25.3	26.0	26.2	2.05	2.72	2.88	.67	.83
21:00	20.9	23.3	23.7	24.2	2.42	2.76	3.27	.33	.85
22:00	19.7	21.8	22.2	23.0	2.13	2.53	3.38	.40	1.25
23:00	18.8	20.8	21.1	21.9	1.95	2.32	3.07	.37	1.12
Avg	21.8	22.4	22.5	22.8	.63	.71	1.03	.08	.40
Max	29.2	28.6	28.3	28.2	2.42	2.76	3.75	.67	1.80
Hr. of Max	16	17	18	18	21	21	00	20	02
Min	14.1	15.6	15.8	16.2	-.84	-1.25	-1.47	-.43	-.65
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/3/2017

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	15.3	15.4	15.8	21.4	92.9	82.6	13.0	13.0	0.011189
01:00	15.1	15.5	15.5	21.3	94.5	86.1	12.9	13.1	0.011032
02:00	14.9	15.4	15.2	21.1	96.6	90.8	12.7	13.1	0.010875
03:00	14.4	14.9	14.6	21.0	97.7	91.7	12.4	12.7	0.010556
04:00	14.0	14.7	14.2	20.8	98.0	92.9	12.1	12.6	0.01028
05:00	13.7	14.4	13.9	20.7	97.9	93.1	11.8	12.3	0.010054
06:00	13.5	14.3	13.7	20.5	97.9	93.6	11.7	12.2	0.009916
07:00	14.5	13.7	14.9	20.4	93.5	85.2	12.4	11.8	0.010585
08:00	13.9	13.0	15.7	20.3	73.4	70.0	11.9	11.2	0.010231
09:00	13.2	12.1	16.2	20.2	58.5	55.9	11.2	10.4	0.009769
10:00	12.3	11.2	16.3	20.2	48.5	46.9	10.6	9.8	0.009248
11:00	12.3	11.0	16.8	20.3	44.0	42.3	10.5	9.6	0.00925
12:00	11.4	9.9	16.6	20.5	38.4	36.5	9.9	9.0	0.008732
13:00	12.4	11.1	17.6	20.7	39.1	37.6	10.5	9.7	0.009378
14:00	12.8	11.6	18.1	21.0	38.9	37.5	10.8	10.0	0.009651
15:00	13.2	11.9	18.5	21.2	39.0	37.3	11.1	10.2	0.009905
16:00	13.4	12.0	18.7	21.4	39.1	37.1	11.2	10.3	0.010018
17:00	13.6	12.2	18.7	21.6	39.6	37.3	11.3	10.4	0.010118
18:00	13.9	12.7	18.8	21.7	41.9	38.8	11.6	10.7	0.010367
19:00	16.5	14.5	19.7	21.8	57.0	46.8	13.7	12.1	0.012177
20:00	16.5	14.3	18.8	21.9	67.3	51.8	13.8	12.0	0.012163
21:00	15.8	15.3	17.5	21.9	74.2	61.9	13.3	12.8	0.011611
22:00	15.8	15.8	17.1	21.9	80.1	70.3	13.3	13.3	0.011583
23:00	15.8	15.5	16.8	21.8	84.5	73.3	13.4	13.0	0.011609
Avg	14.1	13.4	16.7	21.1	68.0	62.4	12.0	11.5	0.010429
Max	16.5	15.8	19.7	21.9	98.0	93.6	13.8	13.3	0.012177
Hr. of Max	20	22	19	22	04	06	20	22	19
Min	11.4	9.9	13.7	20.2	38.4	36.5	9.9	9.0	0.008732
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/3/2017

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	0.011266	17.4	17.6	.00	29.16	987.4	-2.3	.00	40.9
01:00	0.011294	17.2	17.6	.00	29.15	987.3	-2.3	.00	73.8
02:00	0.011277	17.0	17.6	.00	29.14	987.0	-2.5	.00	71.0
03:00	0.010921	16.5	17.0	.00	29.14	986.8	-2.7	.00	55.5
04:00	0.010773	16.0	16.8	.00	29.14	987.0	-2.7	.00	59.7
05:00	0.010513	15.7	16.4	.00	29.15	987.3	-2.3	.00	65.2
06:00	0.010441	15.5	16.3	.00	29.17	988.0	7.5	.01	66.2
07:00	0.010044	16.5	15.7	.00	29.19	988.6	124.2	.18	71.0
08:00	0.009642	16.0	15.1	.00	29.20	989.0	360.1	.52	67.5
09:00	0.009061	15.3	14.2	.00	29.21	989.1	558.1	.80	82.2
10:00	0.008595	14.5	13.5	.00	29.20	988.9	750.3	1.08	87.9
11:00	0.008468	14.5	13.3	.00	29.19	988.6	884.6	1.27	93.2
12:00	0.007901	13.7	12.4	.00	29.18	988.1	994.4	1.43	86.1
13:00	0.008585	14.7	13.4	.00	29.16	987.4	1020.2	1.46	73.2
14:00	0.008888	15.1	13.9	.00	29.14	986.8	963.5	1.38	76.3
15:00	0.009081	15.5	14.2	.00	29.12	986.3	914.5	1.31	97.7
16:00	0.009146	15.6	14.3	.00	29.11	985.8	467.3	.67	99.9
17:00	0.009256	15.8	14.4	.00	29.10	985.4	472.4	.68	96.6
18:00	0.009536	16.1	14.9	.00	29.08	985.0	284.5	.41	82.4
19:00	0.01074	18.9	16.7	.00	29.08	984.8	165.5	.24	35.3
20:00	0.010579	18.9	16.5	.00	29.09	985.1	23.1	.03	14.3
21:00	0.011216	18.1	17.5	.00	29.10	985.6	-2.5	.00	49.7
22:00	0.011592	18.0	18.0	.00	29.11	985.9	-3.4	.00	76.6
23:00	0.011364	18.1	17.7	.00	29.11	985.9	-3.4	.00	65.9
Avg	0.010007	16.3	15.6	.00	29.14	987.0	331.9	.48	70.0
Max	0.011592	18.9	18.0	.00	29.21	989.1	1020.2	1.46	99.9
Hr. of Max	22	20	22	23	09	09	13	13	16
Min	0.007901	13.7	12.4	.00	29.08	984.8	-3.4	.00	14.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/3/2017

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	72.1	62.1	16.2	53.9	34.7	19.1	5.2	.9	1.9
01:00	69.2	56.0	65.8	47.2	14.3	11.3	2.8	1.6	2.8
02:00	63.7	60.1	57.6	51.4	27.8	19.9	7.3	.8	2.5
03:00	69.9	60.8	16.2	52.4	26.1	15.7	5.9	.6	2.2
04:00	60.2	63.7	10.2	55.4	25.5	24.1	8.4	.6	1.7
05:00	63.2	53.4	54.2	44.2	10.3	7.9	4.5	1.4	2.9
06:00	55.6	61.2	50.1	52.3	12.6	7.1	6.1	.9	2.5
07:00	56.7	55.6	63.4	46.6	16.4	13.7	8.3	1.7	2.9
08:00	60.8	62.7	63.4	54.9	25.0	26.9	19.8	2.0	3.0
09:00	67.4	60.2	76.9	51.6	18.4	20.7	18.6	4.3	4.0
10:00	81.9	75.8	82.8	67.0	16.9	17.1	15.5	6.0	6.2
11:00	90.4	85.2	88.4	76.0	16.6	15.0	13.5	5.6	6.3
12:00	82.0	77.8	80.0	68.7	22.3	19.0	15.8	4.9	5.7
13:00	74.2	70.3	70.3	60.5	50.4	43.7	40.5	2.1	2.8
14:00	75.0	71.1	67.4	58.8	56.7	53.4	53.7	2.0	2.4
15:00	86.3	79.9	94.6	68.3	41.2	41.6	39.6	3.3	3.7
16:00	97.7	88.6	94.9	79.5	26.5	28.1	28.3	4.1	4.9
17:00	94.8	90.4	92.3	82.0	35.9	40.9	33.7	2.7	3.4
18:00	84.7	83.0	76.7	73.8	26.4	22.8	19.1	2.9	4.3
19:00	50.0	59.8	21.5	51.1	16.4	13.4	9.7	2.3	4.4
20:00	51.9	62.8	348.5	54.2	19.2	8.0	6.5	1.4	2.5
21:00	83.2	69.9	358.1	61.5	26.2	13.3	6.4	.8	2.1
22:00	74.6	74.3	1.4	65.8	31.6	22.4	6.8	.8	1.6
23:00	69.5	58.2	43.1	49.3	19.1	13.8	4.5	1.0	2.0
Avg	72.0	68.0	54.0	59.0	25.7	21.6	15.9	.0	.0
Max	97.7	90.4	358.1	82.0	56.7	53.4	53.7	6.0	6.3
Hr. of Max	16	17	21	17	14	14	14	10	11
Min	50.0	53.4	1.4	44.2	10.3	7.1	2.8	.6	1.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/3/2017

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	3.8	1.2	2.0	3.8	1.5	4.0	2.4	1.4	.04
01:00	5.1	1.7	2.9	5.1	1.8	5.3	1.9	-.8	.05
02:00	5.1	1.0	2.8	5.2	1.4	5.4	3.3	.5	.07
03:00	4.3	.7	2.3	4.3	1.1	4.5	2.3	2.2	.04
04:00	3.0	.7	1.8	3.0	1.1	3.2	.6	1.7	.01
05:00	5.0	1.5	2.9	5.1	1.6	5.3	1.2	.7	.01
06:00	3.8	1.0	2.5	3.8	1.2	4.0	.5	-.5	-.01
07:00	4.6	2.0	3.1	4.7	2.1	4.9	.2	-.7	-.02
08:00	4.0	2.2	3.2	4.1	2.5	4.6	2.5	10.6	-.06
09:00	5.0	4.5	4.2	5.2	4.9	5.7	1.4	6.5	.08
10:00	6.6	6.2	6.5	6.8	6.7	7.3	-.8	2.5	-.16
11:00	6.6	5.8	6.5	6.8	6.2	7.2	-1.4	-1.5	-.23
12:00	6.2	5.2	6.0	6.5	5.6	6.9	-.4	-1.8	-.11
13:00	3.2	3.1	3.7	4.2	3.8	4.9	-1.7	-2.0	-.17
14:00	2.9	3.2	3.8	4.0	3.8	4.8	.2	5.9	-.06
15:00	3.8	3.9	4.5	4.4	4.6	5.1	3.6	6.1	.11
16:00	5.2	4.6	5.3	5.7	5.1	6.2	1.3	2.1	.05
17:00	4.0	3.2	3.9	4.5	3.8	5.0	3.3	8.7	.14
18:00	5.2	3.2	4.7	5.4	3.8	5.9	3.3	8.0	.11
19:00	5.6	2.5	4.5	5.7	2.7	5.9	-5.9	1.2	-.35
20:00	3.1	1.5	2.6	3.2	1.8	3.4	-.4	.3	-.01
21:00	3.3	.8	2.1	3.3	1.3	3.5	2.0	2.5	.03
22:00	3.1	.9	1.7	3.2	1.2	3.4	1.4	1.9	.03
23:00	3.8	1.1	2.1	3.9	1.3	4.0	2.1	1.3	.06
Avg	.0	2.6	3.6	4.7	3.0	5.0	1.0	2.4	-.01
Max	6.6	6.2	6.5	6.8	6.7	7.3	3.6	10.6	.14
Hr. of Max	11	10	11	11	10	10	15	08	17
Min	2.9	.7	1.7	3.0	1.1	3.2	-5.9	-2.0	-.35
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/3/2017

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	.10	3.0	3.7	10.5	8.4	3.5	19.7	21.3
01:00	-.07	3.9	5.7	10.1	6.8	2.1	19.1	20.4
02:00	.03	3.2	5.5	10.8	10.3	3.5	18.2	19.8
03:00	.17	2.5	6.6	8.2	11.0	2.4	17.5	19.0
04:00	.10	3.9	5.5	10.5	8.8	4.6	17.0	18.1
05:00	.04	3.0	5.3	8.5	8.3	3.3	16.6	17.6
06:00	-.05	3.4	5.7	11.7	9.3	5.1	16.4	16.8
07:00	-.08	4.4	6.0	7.8	14.0	7.0	17.3	17.4
08:00	.51	7.1	9.2	9.8	26.4	20.4	19.9	19.3
09:00	.50	9.6	10.1	13.7	15.3	15.7	22.3	21.5
10:00	.27	13.7	18.3	16.5	13.8	13.3	24.1	23.3
11:00	-.18	11.0	15.8	18.3	14.1	13.2	25.6	24.7
12:00	-.27	13.5	14.9	19.2	18.0	17.9	26.7	25.8
13:00	-.22	10.8	12.1	12.1	28.3	25.1	27.8	26.8
14:00	.57	9.8	9.8	10.5	25.9	26.8	28.4	27.6
15:00	.35	11.2	11.7	11.9	25.1	25.4	28.8	28.0
16:00	.20	11.0	10.8	13.3	19.3	22.0	29.0	28.2
17:00	.62	12.1	10.1	9.4	23.1	23.4	29.2	28.5
18:00	.77	8.2	11.9	14.0	20.5	15.6	29.1	28.4
19:00	.07	6.9	10.1	9.4	13.8	10.0	28.1	27.9
20:00	.01	5.5	6.9	10.1	9.7	3.9	25.9	26.7
21:00	.15	4.1	5.7	8.0	9.3	2.9	24.2	24.9
22:00	.11	3.0	3.7	5.3	8.0	2.8	22.7	23.9
23:00	.09	2.5	3.4	6.6	7.5	3.2	21.7	22.7
Avg	.16	7.0	8.7	11.1	14.8	11.4	23.1	23.3
Max	.77	13.7	18.3	19.2	28.3	26.8	29.2	28.5
Hr. of Max	18	10	10	12	13	14	17	17
Min	-.27	2.5	3.4	5.3	6.8	2.1	16.4	16.8
Count	24	24	24	24	24	24	24	24
Total								