Date Printed: 06/08/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/7/2017

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	18.7	18.9	19.1	.85	1.02	1.23	.17	.38
01:00	16.3	17.5	17.6	17.9	1.20	1.34	1.67	.14	.47
02:00	15.0	16.4	16.7	17.1	1.46	1.72	2.13	.26	.67
03:00	14.5	15.8	16.0	16.5	1.28	1.53	1.98	.25	.70
04:00	13.8	15.1	15.4	15.8	1.38	1.63	2.05	.25	.67
05:00	13.4	14.7	15.1	15.8	1.32	1.72	2.48	.41	1.16
06:00	12.1	14.8	15.1	15.5	2.73	3.07	3.38	.34	.65
07:00	14.0	15.1	15.4	15.3	1.09	1.42	1.33	.32	.24
08:00	17.7	17.5	17.3	17.1	-.25	-.45	-.57	-.20	-.33
09:00	20.2	19.6	19.3	19.0	-.56	-.92	-1.13	-.36	-.57
10:00	21.6	20.8	20.4	20.1	-.76	-1.20	-1.48	-.44	-.72
11:00	22.9	22.0	21.4	21.1	-.96	-1.52	-1.81	-.56	-.85
12:00	23.7	22.7	22.2	21.9	-.94	-1.45	-1.73	-.51	-.79
13:00	24.5	23.5	23.0	22.6	-.99	-1.50	-1.85	-.50	-.86
14:00	24.8	23.9	23.3	23.0	-.95	-1.51	-1.83	-.57	-.88
15:00	24.9	24.1	23.7	23.4	-.79	-1.22	-1.48	-.43	-.69
16:00	24.8	24.1	23.7	23.5	-.67	-1.06	-1.27	-.39	-.60
17:00	24.8	24.2	23.8	23.6	-.62	-1.07	-1.28	-.45	-.66
18:00	24.0	23.5	23.2	23.1	-.43	-.75	-.92	-.32	-.49
19:00	22.7	22.7	22.5	22.5	.03	-.13	-.19	-.16	-.22
20:00	20.2	21.2	21.4	21.5	1.03	1.24	1.31	.20	.28
21:00	18.2	19.8	20.1	20.3	1.60	1.95	2.09	.35	.49
22:00	17.7	19.1	19.2	19.4	1.34	1.53	1.64	.19	.30
23:00	15.7	17.6	18.3	18.4	1.84	2.55	2.72	.71	.88
Avg	19.4	19.8	19.7	19.7	.38	.33	.35	-.05	-.03
Max	24.9	24.2	23.8	23.6	2.73	3.07	3.38	.71	1.16
Hr. of Max	15	17	17	17	06	06	06	23	05
Min	12.1	14.7	15.1	15.3	-.99	-1.52	-1.85	-.57	-.88
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/7/2017

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	11.8	11.3	13.8	22.0	68.9	63.0	10.4	10.0	0.008957
01:00	11.8	11.4	13.3	21.9	76.3	68.9	10.4	10.1	0.008959
02:00	11.9	11.4	12.9	21.7	83.4	73.2	10.5	10.1	0.009005
03:00	11.6	11.3	12.6	21.5	84.4	75.9	10.4	10.1	0.008839
04:00	11.5	11.1	12.3	21.3	87.6	78.2	10.3	10.0	0.008755
05:00	11.5	11.2	12.1	21.1	89.6	81.1	10.3	10.1	0.008724
06:00	11.3	10.9	11.6	20.9	96.5	78.6	10.2	9.8	0.008635
07:00	12.2	10.9	12.8	20.7	91.0	77.4	10.8	9.8	0.009178
08:00	12.1	11.0	14.0	20.5	71.3	67.1	10.6	9.9	0.009145
09:00	11.1	10.1	14.1	20.4	57.1	55.1	9.9	9.2	0.008562
10:00	10.7	9.7	14.3	20.3	51.0	49.7	9.6	8.9	0.008355
11:00	9.8	8.5	14.2	20.4	44.4	42.9	9.0	8.2	0.007899
12:00	9.7	8.4	14.4	20.6	42.2	40.7	8.9	8.2	0.007846
13:00	10.3	8.9	15.0	20.8	41.8	40.4	9.2	8.4	0.008154
14:00	10.3	9.1	15.2	21.1	41.0	40.0	9.3	8.6	0.008186
15:00	10.1	9.1	15.1	21.3	40.4	39.3	9.2	8.5	0.008088
16:00	10.2	9.0	15.1	21.5	40.9	39.2	9.2	8.5	0.008133
17:00	10.1	9.2	15.0	21.6	40.3	39.3	9.1	8.6	0.00804
18:00	10.3	9.6	14.8	21.7	42.9	42.2	9.2	8.9	0.008137
19:00	10.2	9.5	14.4	21.8	46.2	43.9	9.2	8.8	0.008077
20:00	11.4	10.3	14.3	21.8	58.2	50.7	10.0	9.3	0.00873
21:00	11.5	10.2	13.7	21.7	66.1	54.7	10.1	9.2	0.00875
22:00	10.9	9.8	13.1	21.6	65.3	55.9	9.7	9.0	0.008394
23:00	11.4	10.3	12.8	21.5	76.7	63.4	10.1	9.4	0.008678
Avg	11.0	10.1	13.8	21.2	62.6	56.7	9.8	9.2	0.008509
Max	12.2	11.4	15.2	22.0	96.5	81.1	10.8	10.1	0.009178
Hr. of Max	07	02	14	00	06	05	07	05	07
Min	9.7	8.4	11.6	20.3	40.3	39.2	8.9	8.2	0.007846
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/7/2017

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	0.008646	13.9	13.4	.00	28.97	981.0	-2.4	.00	60.3
01:00	0.008727	13.9	13.6	.00	28.97	980.9	-2.5	.00	59.0
02:00	0.008675	14.0	13.5	.00	28.96	980.7	-2.4	.00	56.9
03:00	0.008632	13.7	13.4	.00	28.96	980.6	-2.4	.00	62.0
04:00	0.008548	13.6	13.3	.00	28.96	980.7	-3.2	.00	47.7
05:00	0.008604	13.6	13.4	.00	28.96	980.8	-2.4	.00	73.3
06:00	0.008408	13.4	13.1	.00	28.98	981.3	7.1	.01	58.4
07:00	0.008399	14.3	13.1	.00	29.00	982.0	130.4	.19	83.5
08:00	0.00848	14.2	13.2	.00	29.00	982.2	389.8	.56	81.0
09:00	0.007979	13.3	12.4	.00	29.00	982.2	603.9	.87	69.7
10:00	0.007769	13.0	12.1	.00	29.00	981.9	786.7	1.13	73.2
11:00	0.00719	12.3	11.2	.00	28.99	981.8	931.9	1.34	58.1
12:00	0.007156	12.2	11.2	.00	28.99	981.6	1018.1	1.46	63.8
13:00	0.007416	12.7	11.6	.00	28.97	981.2	1039.7	1.49	68.2
14:00	0.007542	12.7	11.8	.00	28.96	980.9	987.1	1.42	55.6
15:00	0.007504	12.6	11.7	.00	28.96	980.6	819.1	1.17	57.3
16:00	0.007481	12.7	11.7	.00	28.96	980.7	463.0	.66	48.3
17:00	0.007563	12.5	11.8	.00	28.96	980.7	363.7	.52	38.0
18:00	0.00779	12.7	12.1	.00	28.97	980.9	325.3	.47	39.0
19:00	0.007691	12.6	12.0	.00	28.97	981.2	197.1	.28	28.5
20:00	0.008122	13.6	12.7	.00	28.99	981.7	15.6	.02	33.9
21:00	0.008021	13.6	12.5	.00	29.00	982.1	-2.1	.00	36.5
22:00	0.007809	13.1	12.2	.00	29.01	982.5	-1.5	.00	39.6
23:00	0.008061	13.5	12.6	.00	29.02	982.8	-2.0	.00	51.4
Avg	0.008009	13.2	12.5	.00	28.98	981.4	335.7	.48	56.0
Max	0.008727	14.3	13.6	.00	29.02	982.8	1039.7	1.49	83.5
Hr. of Max	01	07	01	23	23	23	13	13	07
Min	0.007156	12.2	11.2	.00	28.96	980.6	-3.2	.00	28.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/7/2017

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	50.1	43.9	54.6	33.4	18.7	11.2	8.2	2.9	6.0
01:00	61.5	57.2	51.4	48.3	16.0	10.5	6.8	2.5	4.9
02:00	59.6	56.5	48.2	47.7	15.0	9.6	5.2	2.4	5.5
03:00	63.9	59.1	55.1	50.4	17.1	10.0	5.4	2.7	6.2
04:00	54.3	61.3	38.2	52.7	16.5	10.6	5.4	2.4	5.4
05:00	65.4	46.6	66.3	36.7	13.3	11.2	8.4	3.2	5.3
06:00	56.1	60.0	46.5	51.1	18.4	11.2	6.7	1.7	4.0
07:00	66.7	62.1	78.2	52.9	19.8	19.3	9.6	1.4	2.8
08:00	66.9	57.4	75.7	48.9	20.1	21.1	16.1	3.1	3.6
09:00	61.1	58.1	63.6	49.1	27.3	21.4	15.9	4.8	6.6
10:00	66.7	61.1	68.9	52.2	25.6	20.7	15.9	5.9	7.8
11:00	46.9	45.3	52.3	35.1	33.5	21.5	14.1	5.3	9.5
12:00	57.6	51.4	57.3	42.4	37.5	25.6	22.4	5.4	7.6
13:00	61.3	57.0	63.3	47.4	34.8	29.8	23.7	5.4	7.3
14:00	50.7	47.2	48.5	37.1	36.0	27.0	20.6	5.2	8.6
15:00	50.6	46.0	52.4	35.9	38.0	31.2	22.9	5.2	8.1
16:00	44.7	42.9	38.7	32.7	35.5	22.2	17.2	4.3	8.1
17:00	31.9	28.7	28.4	17.6	40.7	22.9	18.7	4.5	8.0
18:00	35.0	31.7	27.7	20.7	39.0	23.8	16.3	4.2	7.6
19:00	31.5	30.2	19.6	19.0	37.0	19.1	15.8	3.5	6.9
20:00	31.7	31.9	21.9	20.2	27.3	11.2	9.5	2.7	6.5
21:00	26.4	26.8	18.9	14.7	26.6	11.6	9.9	2.1	6.2
22:00	25.1	23.9	26.3	11.9	29.7	12.7	10.2	2.1	5.6
23:00	30.1	34.3	334.2	22.4	17.9	8.8	7.7	.4	3.5
Avg	49.0	46.0	45.0	36.0	26.7	17.7	13.0	.0	.0
Max	66.9	62.1	334.2	52.9	40.7	31.2	23.7	5.9	9.5
Hr. of Max	08	07	23	07	17	15	13	10	11
Min	25.1	23.9	18.9	11.9	13.3	8.8	5.2	.4	2.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/7/2017

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	8.4	3.1	6.2	8.5	3.2	8.8	-2.0	.9	-.22
01:00	7.5	2.6	5.0	7.6	2.7	7.8	-5.3	.4	-.29
02:00	8.0	2.5	5.6	8.1	2.5	8.3	-4.7	.6	-.26
03:00	9.0	2.9	6.3	9.1	3.1	9.4	-4.4	.3	-.34
04:00	8.1	2.5	5.5	8.1	2.7	8.4	-5.4	.6	-.31
05:00	7.2	3.4	5.5	7.4	3.5	7.7	-3.1	1.6	-.22
06:00	6.2	1.8	4.1	6.3	1.9	6.5	-1.6	-1.0	-.09
07:00	4.8	1.6	3.1	4.9	1.8	5.2	1.2	1.1	-.02
08:00	4.8	3.3	3.8	5.0	3.8	5.4	.9	5.4	.05
09:00	8.2	5.3	7.1	8.6	6.0	9.1	.8	3.6	-.11
10:00	9.8	6.4	8.3	10.2	7.0	10.8	.7	4.7	-.07
11:00	11.6	6.1	10.0	11.9	6.8	12.5	.0	1.0	-.41
12:00	9.0	6.3	8.3	9.7	6.9	10.3	-1.2	1.6	-.37
13:00	9.0	6.2	8.1	9.7	6.8	10.3	1.7	5.1	-.07
14:00	10.7	6.2	9.3	11.3	7.2	11.9	-.3	.0	-.38
15:00	9.7	6.3	9.1	10.4	6.9	11.1	-2.6	2.4	-.59
16:00	9.7	5.1	8.6	10.2	5.7	10.7	-2.9	1.5	-.58
17:00	9.6	5.3	8.5	10.1	5.8	10.8	-2.5	1.7	-.70
18:00	10.1	4.9	8.1	10.5	5.2	11.1	-2.0	1.9	-.54
19:00	8.5	4.0	7.2	8.8	4.6	9.4	-3.6	.7	-.58
20:00	8.3	3.0	6.6	8.4	3.3	8.8	-3.7	-.1	-.40
21:00	8.3	2.3	6.3	8.5	2.7	8.8	-1.9	.7	-.23
22:00	7.7	2.4	5.7	7.8	2.7	8.2	-1.7	.9	-.19
23:00	5.2	.4	3.5	5.3	.9	5.5	-1.5	2.0	-.05
Avg	.0	3.9	6.7	8.6	4.3	9.0	-1.9	1.6	-.29
Max	11.6	6.4	10.0	11.9	7.2	12.5	1.7	5.4	.05
Hr. of Max	11	10	11	11	14	11	13	08	08
Min	4.8	.4	3.1	4.9	.9	5.2	-5.4	-1.0	-.70
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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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	.09	8.0	12.6	17.6	16.1	6.4	19.4	19.4
01:00	.04	6.0	11.7	16.9	11.1	4.1	18.1	18.3
02:00	.07	5.7	11.7	17.6	11.2	3.4	17.1	17.5
03:00	.03	7.3	10.5	12.1	12.7	3.8	16.5	16.9
04:00	.07	5.7	9.6	16.5	11.5	3.3	15.8	16.2
05:00	.18	6.2	11.2	17.9	10.1	6.2	15.4	16.2
06:00	-.11	5.7	11.9	15.1	11.2	3.9	15.5	15.8
07:00	.07	4.8	6.6	10.8	16.9	7.8	15.8	15.7
08:00	.38	7.8	12.1	13.5	17.4	14.9	18.2	17.5
09:00	.36	15.6	15.3	15.8	20.8	13.3	20.2	19.3
10:00	.65	15.8	22.9	19.9	18.4	13.4	21.3	20.3
11:00	-.03	15.3	21.1	25.0	24.2	11.8	22.4	21.2
12:00	-.02	16.7	18.8	19.9	20.9	16.9	23.2	22.0
13:00	.62	14.7	19.2	24.5	21.3	16.4	23.9	22.7
14:00	-.19	18.5	20.6	22.4	22.2	14.3	24.4	23.1
15:00	.21	20.4	23.4	26.3	20.8	16.4	24.5	23.5
16:00	.13	13.1	23.8	32.1	23.2	13.0	24.6	23.5
17:00	.05	16.0	18.5	20.8	24.1	14.0	24.7	23.6
18:00	.16	16.7	22.9	27.7	24.8	12.4	24.1	23.2
19:00	-.04	11.4	14.7	17.2	22.4	11.5	23.2	22.6
20:00	-.10	10.8	13.5	15.3	21.3	8.3	21.8	21.7
21:00	.04	9.4	13.7	14.9	21.7	7.3	20.3	20.5
22:00	.06	10.1	12.8	20.6	20.4	7.7	19.6	19.6
23:00	.18	3.2	6.2	10.3	14.6	5.8	18.1	18.7
Avg	.12	11.0	15.2	18.8	18.3	9.8	20.3	20.0
Max	.65	20.4	23.8	32.1	24.8	16.9	24.7	23.6
Hr. of Max	10	15	16	16	18	12	17	17
Min	-.19	3.2	6.2	10.3	10.1	3.3	15.4	15.7
Count	24	24	24	24	24	24	24	24
Total								