Date Printed: 01/26/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

1/25/2017

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	.7	2.4	3.3	4.3	1.72	2.55	3.60	.83	1.88
01:00	.6	2.2	3.1	4.3	1.65	2.57	3.74	.92	2.09
02:00	.1	1.8	2.5	3.5	1.69	2.40	3.45	.71	1.75
03:00	-.3	1.2	1.6	2.6	1.48	1.92	2.85	.44	1.37
04:00	.1	1.1	1.3	1.9	.99	1.27	1.80	.28	.82
05:00	.9	1.4	1.6	2.0	.52	.71	1.11	.18	.58
06:00	.7	1.1	1.2	1.8	.43	.53	1.12	.10	.69
07:00	.5	.9	1.0	1.3	.37	.48	.77	.11	.39
08:00	1.3	1.2	1.1	1.1	-.09	-.18	-.22	-.08	-.13
09:00	2.5	2.3	2.2	2.1	-.18	-.28	-.36	-.09	-.17
10:00	5.6	5.3	4.9	5.2	-.38	-.79	-.47	-.41	-.09
11:00	9.9	9.3	7.6	8.6	-.58	-2.26	-1.22	-1.67	-.63
12:00	13.7	12.8	12.3	12.3	-.89	-1.36	-1.37	-.47	-.49
13:00	15.3	14.6	14.3	14.2	-.65	-.98	-1.03	-.33	-.38
14:00	16.2	15.7	15.5	15.4	-.49	-.75	-.86	-.26	-.37
15:00	17.5	17.3	17.0	17.0	-.19	-.41	-.48	-.22	-.29
16:00	17.4	17.4	17.2	17.2	.02	-.16	-.20	-.18	-.22
17:00	17.0	17.1	17.0	17.0	.13	.00	.00	-.13	-.12
18:00	15.5	15.8	15.8	15.9	.34	.35	.46	.01	.12
19:00	13.0	13.5	13.7	13.9	.54	.75	.88	.21	.34
20:00	12.6	13.2	13.5	13.6	.62	.87	1.04	.25	.42
21:00	13.5	13.9	13.9	14.0	.35	.40	.52	.05	.18
22:00	13.8	14.0	14.0	14.1	.22	.23	.30	.01	.08
23:00	13.6	14.0	14.0	14.1	.38	.40	.48	.02	.10
Avg	8.4	8.7	8.7	9.1	.33	.34	.66	.01	.33
Max	17.5	17.4	17.2	17.2	1.72	2.57	3.74	.92	2.09
Hr. of Max	15	16	16	16	00	01	01	01	01
Min	-.3	.9	1.0	1.1	-.89	-2.26	-1.37	-1.67	-.63
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/25/2017

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	-.1	1.5	.2	10.0	94.9	94.0	4.8	5.3	0.003878
01:00	-.1	1.4	.1	9.8	95.6	95.0	4.8	5.3	0.00386
02:00	-.6	1.1	-.4	9.6	95.5	96.2	4.6	5.2	0.003715
03:00	-1.0	.8	-.8	9.4	95.6	97.6	4.5	5.1	0.003619
04:00	-.5	.7	-.3	9.2	96.2	97.8	4.7	5.1	0.003744
05:00	.4	1.0	.5	9.1	97.2	98.0	5.0	5.2	0.004004
06:00	.2	.8	.4	8.9	97.2	98.1	4.9	5.1	0.003959
07:00	.0	.5	.2	8.8	97.2	98.0	4.8	5.0	0.003905
08:00	.8	.9	1.0	8.7	97.1	98.2	5.1	5.1	0.004129
09:00	2.0	2.0	2.2	8.6	97.1	98.4	5.5	5.5	0.004504
10:00	4.0	3.8	4.6	8.6	90.6	91.7	6.4	6.3	0.005224
11:00	2.7	2.2	5.1	8.6	61.7	62.0	5.7	5.5	0.004761
12:00	3.6	2.9	7.0	8.7	51.2	51.7	6.0	5.7	0.005102
13:00	4.2	3.8	7.9	8.9	48.4	48.8	6.3	6.1	0.005346
14:00	5.5	5.1	9.1	9.2	49.9	49.8	6.8	6.6	0.005867
15:00	7.9	7.6	11.1	9.5	54.3	53.9	8.0	7.8	0.006914
16:00	8.8	8.7	11.7	9.8	58.1	57.3	8.5	8.4	0.007368
17:00	9.4	9.3	11.9	10.1	61.9	60.9	8.8	8.8	0.007634
18:00	10.5	10.4	12.2	10.3	73.9	71.8	9.6	9.5	0.008248
19:00	12.3	12.6	12.5	10.5	97.0	95.7	10.8	11.1	0.009261
20:00	12.0	12.8	12.2	10.6	97.6	98.8	10.7	11.2	0.009085
21:00	12.9	13.4	13.1	11.1	97.6	98.9	11.3	11.7	0.00966
22:00	13.1	13.6	13.4	11.4	97.6	99.0	11.4	11.8	0.009814
23:00	13.0	13.6	13.2	11.4	97.6	99.0	11.3	11.7	0.009707
Avg	5.0	5.4	6.2	9.6	83.4	83.8	7.1	7.3	0.005971
Max	13.1	13.6	13.4	11.4	97.6	99.0	11.4	11.8	0.009814
Hr. of Max	22	23	22	23	23	23	22	22	22
Min	-1.0	.5	-.8	8.6	48.4	48.8	4.5	5.0	0.003619
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/25/2017

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	0.004341	6.1	6.8	.00	28.97	981.0	-2.5	.00	165.0
01:00	0.00432	6.0	6.8	.00	28.97	981.1	-2.7	.00	67.6
02:00	0.004233	5.8	6.6	.00	28.98	981.4	-2.5	.00	86.3
03:00	0.004118	5.7	6.5	.00	28.99	981.8	-2.6	.00	132.1
04:00	0.00409	5.9	6.4	.00	28.98	981.4	-2.6	.00	65.8
05:00	0.004195	6.3	6.6	.00	28.97	981.2	-2.5	.00	55.5
06:00	0.00412	6.2	6.5	.00	28.98	981.6	-2.4	.00	60.2
07:00	0.004044	6.1	6.3	.00	28.99	981.6	.3	.00	59.7
08:00	0.004146	6.5	6.5	.00	28.98	981.4	36.7	.05	41.5
09:00	0.004504	7.1	7.1	.00	28.98	981.3	148.9	.21	136.5
10:00	0.005152	8.2	8.1	.00	28.98	981.4	444.7	.64	172.9
11:00	0.004598	7.4	7.2	.00	28.95	980.5	544.9	.78	215.7
12:00	0.004855	8.0	7.6	.00	28.91	979.2	528.9	.76	228.0
13:00	0.005175	8.3	8.1	.00	28.88	977.9	343.9	.49	258.5
14:00	0.005677	9.1	8.8	.00	28.85	977.0	307.9	.44	241.1
15:00	0.006776	10.7	10.5	.00	28.83	976.2	154.8	.22	218.0
16:00	0.007288	11.4	11.3	.00	28.82	976.0	48.6	.07	219.4
17:00	0.00758	11.8	11.7	.00	28.81	975.8	5.9	.01	217.9
18:00	0.008189	12.8	12.7	.11	28.82	975.8	-2.3	.00	242.9
19:00	0.009466	14.3	14.6	.02	28.82	976.1	-2.1	.00	248.5
20:00	0.00958	14.1	14.8	.00	28.82	976.0	-2.4	.00	199.4
21:00	0.010001	14.9	15.4	.63	28.81	975.6	-2.0	.00	243.6
22:00	0.010098	15.2	15.6	.00	28.80	975.4	-2.1	.00	228.5
23:00	0.010091	15.0	15.6	.00	28.80	975.2	-2.6	.00	231.0
Avg	0.00611	9.3	9.5	.03	28.90	978.8	105.6	.15	192.0
Max	0.010098	15.2	15.6	.63	28.99	981.8	544.9	.78	258.5
Hr. of Max	22	22	23	21	07	03	11	11	13
Min	0.004044	5.7	6.3	.00	28.80	975.2	-2.7	.00	41.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/25/2017

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	353.3	44.5	221.1	32.9	16.0	37.6	7.3	.3	1.0
01:00	60.8	46.7	51.4	36.1	20.5	16.7	14.3	.8	2.2
02:00	66.1	78.0	146.5	68.8	14.2	15.5	12.1	.0	1.2
03:00	70.0	49.3	197.3	37.5	28.2	40.8	9.7	.2	.3
04:00	59.5	62.9	28.9	53.8	19.3	26.8	6.6	1.1	2.2
05:00	51.6	50.1	36.7	39.3	13.5	12.6	8.5	1.3	3.1
06:00	74.7	45.3	46.1	34.5	13.1	10.7	11.2	1.5	2.4
07:00	63.5	64.9	41.0	55.7	12.4	7.6	4.7	1.3	2.6
08:00	37.2	64.6	14.3	54.5	23.0	16.8	12.4	1.0	2.1
09:00	119.9	84.3	189.2	64.2	37.2	61.9	54.4	.4	.2
10:00	208.5	235.4	187.4	234.1	21.4	30.3	29.2	2.0	2.1
11:00	230.4	230.8	218.4	226.5	22.7	18.9	16.8	4.5	5.3
12:00	240.0	240.2	230.2	236.2	23.8	19.5	17.7	5.3	6.7
13:00	267.1	265.3	259.2	260.2	24.7	19.8	17.3	4.6	5.6
14:00	249.7	246.9	243.3	242.2	27.4	20.1	18.6	3.4	4.3
15:00	225.8	222.9	219.6	218.8	23.0	17.9	13.3	6.6	8.8
16:00	223.2	218.9	220.7	214.8	23.1	16.7	12.8	7.3	10.2
17:00	224.7	218.5	220.3	214.3	21.6	14.8	11.7	5.1	7.5
18:00	242.9	236.0	242.8	231.7	29.7	20.7	15.9	4.0	6.8
19:00	267.1	256.0	255.5	251.7	38.6	12.2	8.8	2.1	4.9
20:00	252.6	257.7	220.2	253.3	38.5	12.9	8.2	1.0	3.0
21:00	253.9	251.9	243.4	247.6	28.0	21.1	16.3	4.4	7.0
22:00	243.4	240.2	230.4	236.1	21.0	12.5	9.1	3.1	5.2
23:00	246.0	239.6	236.9	235.6	20.3	9.1	6.6	2.1	4.1
Avg	243.0	242.0	225.0	255.0	23.4	20.6	14.3	.0	.0
Max	353.3	265.3	259.2	260.2	38.6	61.9	54.4	7.3	10.2
Hr. of Max	00	13	13	13	19	09	09	16	16
Min	37.2	44.5	14.3	32.9	12.4	7.6	4.7	.0	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/25/2017

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	2.4	1.0	1.1	2.6	1.4	2.8	2.0	1.2	.05
01:00	2.8	.9	2.4	3.0	1.2	3.2	1.9	2.7	.03
02:00	2.4	.0	1.3	2.5	.6	2.7	2.7	1.7	.04
03:00	1.9	.2	.3	1.9	.8	2.1	1.6	1.3	.02
04:00	3.7	1.2	2.3	3.8	1.4	4.0	.5	.6	-.01
05:00	3.5	1.4	3.3	3.6	1.7	3.8	-1.0	.3	-.09
06:00	2.5	1.6	2.4	2.8	1.8	3.0	-2.9	2.7	-.11
07:00	3.6	1.3	2.6	3.6	1.5	3.8	-2.6	1.0	-.10
08:00	2.6	1.1	2.2	2.6	1.5	2.8	-1.4	-1.7	-.10
09:00	.3	.5	.6	.7	1.1	1.1	-4.2	1.7	-.05
10:00	2.5	2.1	2.2	2.8	2.7	3.0	3.8	-.3	.19
11:00	6.0	4.9	5.6	6.3	5.4	6.8	-1.9	-2.9	-.25
12:00	7.7	5.7	7.0	8.0	6.5	8.7	.1	-4.0	-.16
13:00	6.5	5.2	6.2	7.1	5.6	7.4	-2.8	-3.1	-.40
14:00	5.2	3.7	4.6	5.5	4.1	5.9	1.8	-1.6	-.02
15:00	10.8	7.1	9.3	11.2	7.6	11.8	2.2	-.2	.02
16:00	12.8	7.8	10.6	13.1	8.6	13.8	2.5	-1.8	.08
17:00	9.7	5.4	7.7	9.9	6.0	10.4	.3	-1.5	-.08
18:00	9.0	5.0	7.8	10.1	5.4	10.5	-1.4	-.6	-.26
19:00	6.7	2.3	5.0	6.8	2.7	7.0	2.1	.5	.00
20:00	4.8	1.3	3.2	4.9	1.8	5.1	2.8	1.8	.08
21:00	9.9	5.0	7.6	10.4	5.4	10.9	-.1	-.4	-.13
22:00	7.2	3.3	5.4	7.3	3.5	7.6	.9	.0	.00
23:00	6.1	2.3	4.2	6.2	2.6	6.4	.7	.2	-.01
Avg	.0	2.9	4.4	5.7	3.4	6.0	.3	-.1	-.05
Max	12.8	7.8	10.6	13.1	8.6	13.8	3.8	2.7	.19
Hr. of Max	16	16	16	16	16	16	10	06	10
Min	.3	.0	.3	.7	.6	1.1	-4.2	-4.0	-.40
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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1/25/2017

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	.06	3.2	5.7	6.4	4.9	2.5	2.6	4.4
01:00	.15	3.0	3.7	6.0	8.5	3.5	2.4	4.4
02:00	.09	.9	4.6	6.4	9.1	2.7	1.9	3.6
03:00	.04	1.6	2.3	3.0	5.3	3.0	1.4	2.6
04:00	.05	3.9	5.5	7.1	7.1	3.5	1.2	1.9
05:00	.00	7.3	10.3	11.4	14.8	4.2	1.5	2.0
06:00	.14	3.2	3.9	5.0	7.4	3.7	1.3	1.8
07:00	.07	4.1	6.2	8.2	9.4	3.3	1.0	1.2
08:00	-.08	3.2	4.4	5.7	21.5	7.9	1.4	.9
09:00	.05	2.7	3.4	5.3	32.1	26.6	2.6	2.2
10:00	-.08	5.7	6.0	6.6	22.3	15.0	5.9	5.4
11:00	-.48	11.0	11.9	13.1	15.4	14.7	9.9	9.1
12:00	-.78	15.1	16.5	18.1	16.0	13.4	12.9	12.1
13:00	-.53	11.7	16.5	18.8	15.3	11.6	14.8	14.0
14:00	-.30	11.2	12.8	11.9	17.1	14.1	16.0	15.2
15:00	-.18	19.2	22.0	23.8	16.7	11.1	17.7	17.0
16:00	-.60	21.8	24.3	25.4	16.0	9.6	17.9	17.4
17:00	-.35	15.3	17.2	20.8	14.5	8.7	17.6	17.2
18:00	-.20	16.3	19.5	22.0	13.6	6.7	16.5	16.4
19:00	.00	9.2	13.7	15.6	13.2	6.3	14.4	14.5
20:00	.14	4.6	7.1	11.2	9.9	5.2	14.1	14.3
21:00	-.23	21.3	23.4	25.9	13.4	8.3	14.9	14.8
22:00	-.03	12.8	12.8	15.6	11.1	5.2	15.1	14.8
23:00	.00	7.3	9.8	10.8	9.5	4.7	15.1	14.8
Avg	-.13	9.0	11.0	12.7	13.5	8.1	9.2	9.3
Max	.15	21.8	24.3	25.9	32.1	26.6	17.9	17.4
Hr. of Max	01	16	16	21	09	09	16	16
Min	-.78	.9	2.3	3.0	4.9	2.5	1.0	.9
Count	24	24	24	24	24	24	24	24
Total								