Date Printed: 01/19/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

1/18/2017

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	14.6	14.8	14.8	14.8	.19	.15	.17	-.04	-.02
01:00	14.1	14.3	14.3	14.3	.20	.15	.19	-.05	-.01
02:00	13.5	13.8	13.8	13.8	.28	.25	.25	-.03	-.04
03:00	12.9	13.2	13.2	13.1	.25	.21	.18	-.04	-.07
04:00	11.9	12.1	11.9	11.9	.17	.05	.00	-.12	-.17
05:00	10.7	10.9	10.8	10.7	.20	.11	.08	-.09	-.11
06:00	9.5	10.1	10.2	10.3	.65	.75	.81	.09	.16
07:00	8.1	9.4	9.7	9.9	1.24	1.57	1.79	.33	.55
08:00	10.0	10.1	10.1	10.2	.18	.15	.21	-.03	.03
09:00	10.9	10.5	10.3	10.1	-.39	-.63	-.77	-.24	-.38
10:00	11.9	11.2	11.0	10.8	-.66	-.93	-1.04	-.27	-.38
11:00	12.9	12.2	11.9	11.8	-.71	-1.00	-1.13	-.29	-.42
12:00	13.7	13.1	12.8	12.7	-.63	-.93	-1.08	-.30	-.45
13:00	14.6	13.9	13.6	13.4	-.67	-.95	-1.10	-.28	-.44
14:00	14.9	14.2	13.9	13.8	-.66	-.95	-1.04	-.29	-.38
15:00	14.8	14.3	14.0	13.9	-.52	-.79	-.89	-.28	-.38
16:00	14.4	14.2	14.0	13.9	-.29	-.49	-.56	-.20	-.28
17:00	12.7	13.2	13.2	13.2	.48	.49	.45	.00	-.04
18:00	9.9	12.1	12.3	12.5	2.12	2.42	2.60	.30	.48
19:00	8.5	10.6	11.5	12.0	2.15	3.00	3.58	.85	1.42
20:00	7.4	9.5	10.3	11.3	2.15	2.91	3.91	.77	1.77
21:00	7.1	8.9	9.4	10.2	1.79	2.28	3.06	.50	1.28
22:00	7.2	8.5	8.9	9.7	1.37	1.77	2.51	.40	1.14
23:00	6.7	8.4	8.8	9.4	1.69	2.16	2.73	.47	1.04
Avg	11.4	11.8	11.9	12.0	.44	.49	.62	.05	.18
Max	14.9	14.8	14.8	14.8	2.15	3.00	3.91	.85	1.77
Hr. of Max	14	00	00	00	20	19	20	19	20
Min	6.7	8.4	8.8	9.4	-.71	-1.00	-1.13	-.30	-.45
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/18/2017

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	13.2	13.2	13.7	12.9	92.6	91.8	11.4	11.5	0.009728
01:00	12.1	12.0	12.7	12.9	88.9	87.2	10.7	10.6	0.009032
02:00	10.7	10.5	11.7	12.9	84.6	81.6	9.8	9.6	0.00826
03:00	10.3	10.0	11.2	12.8	84.9	82.1	9.5	9.3	0.007992
04:00	8.4	8.2	9.6	12.8	80.1	78.1	8.4	8.3	0.007044
05:00	7.1	6.9	8.3	12.7	79.3	77.5	7.7	7.6	0.006411
06:00	6.6	6.5	7.6	12.6	83.5	79.2	7.5	7.4	0.006213
07:00	6.7	6.5	7.2	12.4	92.0	83.1	7.6	7.4	0.006256
08:00	7.1	6.3	8.0	12.2	83.2	77.8	7.7	7.3	0.0064
09:00	5.9	5.4	7.6	12.1	72.1	71.4	7.1	6.9	0.005912
10:00	5.4	4.9	7.6	12.0	65.5	65.7	6.9	6.6	0.005726
11:00	5.5	4.8	8.0	11.9	61.5	61.3	6.9	6.6	0.005758
12:00	5.7	5.0	8.4	11.8	59.1	58.6	7.0	6.6	0.005843
13:00	5.5	5.0	8.5	11.8	55.3	55.8	6.9	6.6	0.005771
14:00	5.6	5.1	8.7	11.9	54.4	54.7	6.9	6.6	0.005802
15:00	5.7	5.2	8.7	12.0	55.1	55.1	6.9	6.7	0.005846
16:00	5.5	5.1	8.5	12.1	55.9	55.3	6.9	6.7	0.005791
17:00	5.7	4.9	8.0	12.2	63.2	58.1	7.0	6.6	0.005832
18:00	6.2	4.9	7.4	12.3	78.5	62.3	7.3	6.6	0.00604
19:00	5.7	4.6	6.6	12.2	83.4	66.9	7.0	6.5	0.005817
20:00	5.2	4.4	6.0	12.1	87.0	71.2	6.9	6.5	0.00564
21:00	5.2	4.7	5.9	12.0	88.3	75.8	6.9	6.6	0.005625
22:00	5.3	5.4	5.9	11.9	88.7	81.5	6.9	6.9	0.005653
23:00	4.8	4.9	5.4	11.7	88.9	79.8	6.7	6.7	0.005483
Avg	6.9	6.4	8.4	12.3	76.1	71.3	7.7	7.4	0.006411
Max	13.2	13.2	13.7	12.9	92.6	91.8	11.4	11.5	0.009728
Hr. of Max	00	00	00	02	00	00	00	00	00
Min	4.8	4.4	5.4	11.7	54.4	54.7	6.7	6.5	0.005483
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/18/2017

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	0.00976	15.2	15.3	.00	29.16	987.5	-2.7	.00	259.4
01:00	0.008975	14.1	14.0	.00	29.16	987.4	-2.5	.00	247.7
02:00	0.008124	12.9	12.7	.00	29.16	987.5	-2.5	.00	248.1
03:00	0.007857	12.5	12.3	.00	29.16	987.6	-2.2	.00	251.8
04:00	0.006946	11.1	10.9	.00	29.18	988.1	-2.0	.00	269.3
05:00	0.006342	10.1	10.0	.00	29.20	989.0	-2.3	.00	275.0
06:00	0.006163	9.8	9.7	.00	29.23	989.8	-2.2	.00	231.9
07:00	0.006145	9.9	9.7	.00	29.24	990.3	.6	.00	231.8
08:00	0.006059	10.1	9.6	.00	29.26	990.7	81.5	.12	223.3
09:00	0.005701	9.3	9.0	.00	29.27	991.3	266.7	.38	258.9
10:00	0.005501	9.0	8.7	.00	29.28	991.7	440.9	.63	266.2
11:00	0.005474	9.1	8.6	.00	29.28	991.4	496.5	.71	237.1
12:00	0.005557	9.2	8.8	.00	29.25	990.7	505.0	.72	177.5
13:00	0.00558	9.1	8.8	.00	29.22	989.7	509.2	.73	166.7
14:00	0.005595	9.1	8.8	.00	29.20	988.8	367.0	.53	219.0
15:00	0.005654	9.2	8.9	.00	29.18	988.3	250.6	.36	237.5
16:00	0.005628	9.1	8.9	.00	29.19	988.5	145.2	.21	256.9
17:00	0.00555	9.2	8.7	.00	29.19	988.6	26.4	.04	247.7
18:00	0.00552	9.5	8.7	.00	29.19	988.7	-2.4	.00	307.1
19:00	0.005394	9.2	8.5	.00	29.20	988.9	-2.2	.00	78.4
20:00	0.005339	8.9	8.4	.00	29.20	988.9	-2.3	.00	101.5
21:00	0.005455	8.9	8.6	.00	29.21	989.1	-2.5	.00	78.6
22:00	0.005706	8.9	9.0	.00	29.20	988.9	-2.0	.00	62.6
23:00	0.005526	8.6	8.7	.00	29.19	988.4	-2.2	.00	66.1
Avg	0.006231	10.1	9.8	.00	29.21	989.2	127.5	.18	238.0
Max	0.00976	15.2	15.3	.00	29.28	991.7	509.2	.73	307.1
Hr. of Max	00	00	00	23	11	10	13	13	18
Min	0.005339	8.6	8.4	.00	29.16	987.4	-2.7	.00	62.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/18/2017

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	270.4	272.2	259.1	267.0	21.6	15.7	13.2	5.2	7.8
01:00	258.1	259.7	247.5	254.8	19.6	14.6	11.8	5.4	7.7
02:00	257.8	258.3	249.2	253.6	19.9	14.1	12.0	4.9	7.3
03:00	260.2	260.3	252.7	255.3	19.8	13.1	10.9	4.6	6.7
04:00	280.8	282.4	267.8	276.3	26.2	19.1	14.9	4.8	6.8
05:00	286.2	288.9	273.1	282.0	29.6	21.2	16.7	4.5	7.0
06:00	245.3	253.2	233.7	248.5	20.9	16.6	15.0	3.1	4.8
07:00	224.5	223.2	233.3	219.4	20.9	10.9	8.8	3.3	5.7
08:00	235.5	238.3	226.4	234.0	21.5	12.8	10.3	3.0	5.0
09:00	269.7	272.3	259.0	266.7	23.9	18.6	15.7	5.1	6.5
10:00	280.5	285.1	264.9	278.1	30.2	23.6	20.3	4.7	5.5
11:00	269.1	278.3	243.0	271.2	57.2	51.1	48.3	2.5	2.7
12:00	196.7	187.3	189.1	184.9	54.3	60.1	57.9	1.8	1.8
13:00	185.1	185.9	170.7	180.6	36.2	40.3	34.2	2.3	2.2
14:00	231.8	232.0	224.3	228.4	28.5	17.8	17.4	3.5	4.1
15:00	249.1	246.3	240.4	242.0	28.0	19.3	16.6	3.2	4.0
16:00	265.3	266.0	255.3	261.1	29.1	20.0	16.0	3.1	4.3
17:00	264.9	268.8	250.2	263.7	17.5	11.9	10.3	2.6	3.9
18:00	238.9	247.6	267.1	243.0	44.4	8.2	8.7	.8	2.2
19:00	245.3	260.3	266.0	255.4	22.8	20.6	17.3	.0	.6
20:00	228.9	231.1	231.9	228.3	55.2	24.0	27.7	.1	.7
21:00	238.0	250.0	20.3	241.6	25.8	33.6	31.8	.5	.4
22:00	64.9	59.7	47.7	51.3	13.9	12.5	5.8	1.1	2.3
23:00	56.1	57.1	57.6	48.2	16.5	7.3	3.1	1.5	3.4
Avg	250.0	255.0	248.0	250.0	28.5	21.1	18.5	.0	.0
Max	286.2	288.9	273.1	282.0	57.2	60.1	57.9	5.4	7.8
Hr. of Max	05	05	05	05	11	12	12	01	00
Min	56.1	57.1	20.3	48.2	13.9	7.3	3.1	.0	.4
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)

1/18/2017

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	10.3	5.6	8.2	10.6	6.1	10.9	-.8	-1.1	-.33
01:00	10.0	5.7	7.9	10.2	6.2	10.7	.7	-1.2	-.10
02:00	9.1	5.1	7.5	9.3	5.7	9.8	-.6	-1.3	-.21
03:00	8.3	4.8	7.0	8.5	5.2	9.0	.5	-1.6	-.13
04:00	8.7	5.2	7.1	9.0	5.7	9.2	-2.2	-2.1	-.38
05:00	9.1	5.0	7.4	9.5	5.4	9.6	.9	-2.7	-.19
06:00	6.3	3.4	5.4	7.0	3.9	7.3	1.2	-.4	.04
07:00	7.2	3.5	5.8	7.3	3.9	7.8	-1.6	-1.0	-.14
08:00	6.2	3.3	5.3	6.6	3.8	7.0	1.2	-.5	-.03
09:00	7.9	5.6	6.9	8.2	6.0	8.6	-1.2	-3.4	-.30
10:00	6.0	5.4	6.0	6.5	5.8	7.0	-3.9	-4.0	-.50
11:00	3.2	3.3	3.4	3.9	3.8	4.5	-2.4	-8.1	-.23
12:00	1.8	2.8	2.8	2.8	3.4	3.5	8.7	9.2	.48
13:00	2.4	3.0	3.0	3.0	3.6	3.6	1.3	-1.9	.11
14:00	4.1	3.8	4.3	4.3	4.3	4.9	-1.8	-8.2	-.12
15:00	4.5	3.5	4.3	4.6	4.0	5.1	2.5	-2.1	.02
16:00	4.9	3.5	4.6	5.2	3.9	5.4	1.5	-.6	-.02
17:00	4.9	2.8	4.1	5.0	3.1	5.2	-.2	-1.1	-.08
18:00	3.0	1.0	2.2	3.1	1.5	3.3	-.8	-.2	-.01
19:00	1.7	.0	.7	1.7	.6	1.9	2.7	1.6	.04
20:00	1.6	.2	.8	1.7	.8	2.0	2.0	-1.0	.03
21:00	1.5	.5	1.2	1.6	.8	2.0	1.9	.1	.03
22:00	3.7	1.1	2.3	3.7	1.4	3.9	-.8	1.4	-.05
23:00	5.3	1.6	3.4	5.4	1.7	5.6	-1.4	.1	-.06
Avg	.0	3.3	4.7	5.8	3.8	6.2	.3	-1.3	-.09
Max	10.3	5.7	8.2	10.6	6.2	10.9	8.7	9.2	.48
Hr. of Max	00	01	00	00	01	00	12	12	12
Min	1.5	.0	.7	1.6	.6	1.9	-3.9	-8.2	-.50
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/18/2017

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	-.41	25.0	23.1	26.8	16.5	10.1	15.7	15.3
01:00	-.36	13.3	17.2	19.0	13.9	9.0	15.1	14.7
02:00	-.34	14.7	28.2	36.4	13.2	8.9	14.5	14.1
03:00	-.33	11.9	12.8	16.5	13.5	7.8	13.8	13.4
04:00	-.57	13.7	15.3	17.2	16.1	11.5	12.6	12.1
05:00	-.71	17.2	17.4	19.7	19.0	12.0	11.3	10.9
06:00	-.11	11.2	15.3	22.4	11.6	9.3	10.6	10.5
07:00	-.13	7.1	10.3	15.1	8.0	5.5	9.8	10.1
08:00	-.12	10.1	13.1	15.6	13.1	6.9	10.5	10.2
09:00	-.67	15.3	18.8	16.9	15.7	13.1	10.9	10.2
10:00	-.75	12.1	20.8	26.1	18.2	18.4	11.5	10.8
11:00	-.60	11.4	14.2	18.5	23.6	25.1	12.4	11.7
12:00	.58	7.3	7.6	8.5	25.5	31.4	13.4	12.6
13:00	-.07	7.6	8.7	8.5	22.2	29.4	14.1	13.4
14:00	-.65	8.5	8.7	10.3	18.3	19.6	14.4	13.7
15:00	-.27	7.3	8.7	8.5	17.1	15.4	14.6	13.8
16:00	-.14	10.3	8.9	8.9	15.9	12.4	14.5	13.9
17:00	-.16	11.2	15.6	16.7	10.2	7.7	13.6	13.2
18:00	.00	3.0	6.9	9.8	5.8	3.1	12.3	12.6
19:00	.08	.9	3.7	6.9	8.0	10.8	10.9	12.1
20:00	-.02	1.8	2.7	4.4	8.8	10.5	9.8	11.4
21:00	-.01	2.7	3.9	7.6	8.2	6.4	9.2	10.4
22:00	.10	3.4	4.4	6.2	8.1	2.7	8.9	9.8
23:00	.00	4.6	7.8	11.2	7.9	2.2	8.7	9.5
Avg	-.24	9.7	12.3	14.9	14.1	12.1	12.2	12.1
Max	.58	25.0	28.2	36.4	25.5	31.4	15.7	15.3
Hr. of Max	12	00	02	02	12	12	00	00
Min	-.75	.9	2.7	4.4	5.8	2.2	8.7	9.5
Count	24	24	24	24	24	24	24	24
Total								