Date Printed: 12/07/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

12/6/2016

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	9.2	9.6	9.6	9.6	.38	.36	.35	-.01	-.03
01:00	9.2	9.4	9.5	9.5	.23	.29	.35	.06	.12
02:00	9.0	9.2	9.3	9.3	.14	.23	.30	.10	.16
03:00	9.1	9.1	9.1	9.2	.05	.06	.09	.01	.04
04:00	9.2	9.3	9.2	9.3	.08	.07	.08	-.01	.00
05:00	9.5	9.6	9.6	9.6	.12	.11	.15	.00	.03
06:00	10.0	10.2	10.2	10.2	.15	.15	.12	.00	-.03
07:00	10.2	10.2	10.2	10.1	.08	.02	-.03	-.06	-.11
08:00	10.3	10.4	10.3	10.3	.09	.04	.00	-.05	-.09
09:00	10.6	10.5	10.4	10.3	-.03	-.14	-.21	-.11	-.18
10:00	10.5	10.5	10.3	10.3	-.04	-.16	-.24	-.13	-.21
11:00	10.3	10.3	10.2	10.1	-.04	-.15	-.23	-.11	-.19
12:00	10.7	10.5	10.4	10.2	-.13	-.30	-.42	-.17	-.29
13:00	11.3	11.1	11.0	10.9	-.16	-.31	-.39	-.15	-.23
14:00	11.8	11.7	11.6	11.5	-.10	-.21	-.29	-.11	-.19
15:00	12.1	12.1	11.9	11.9	-.06	-.16	-.22	-.10	-.16
16:00	12.4	12.4	12.3	12.3	.01	-.06	-.09	-.07	-.10
17:00	12.4	12.5	12.4	12.4	.08	.04	.04	-.04	-.04
18:00	11.6	11.7	11.6	11.6	.11	.01	-.04	-.10	-.14
19:00	9.8	10.1	10.1	10.0	.24	.20	.20	-.04	-.04
20:00	9.0	9.3	9.3	9.3	.30	.27	.31	-.03	.00
21:00	7.5	8.5	8.6	8.7	.97	1.09	1.17	.12	.20
22:00	6.0	7.8	7.9	8.0	1.84	1.96	2.07	.12	.24
23:00	4.8	6.3	7.0	7.2	1.52	2.15	2.41	.63	.88
Avg	9.9	10.1	10.1	10.1	.24	.23	.23	-.01	-.02
Max	12.4	12.5	12.4	12.4	1.84	2.15	2.41	.63	.88
Hr. of Max	17	17	17	17	22	23	23	23	23
Min	4.8	6.3	7.0	7.2	-.16	-.31	-.42	-.17	-.29
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/6/2016

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	8.4	7.9	8.7	10.2	95.3	90.2	8.5	8.2	0.007082
01:00	8.6	8.2	8.8	10.2	97.2	93.5	8.6	8.4	0.007188
02:00	8.5	8.5	8.6	10.2	97.2	96.9	8.5	8.6	0.007124
03:00	8.5	8.8	8.7	10.2	97.2	98.8	8.5	8.7	0.007131
04:00	8.6	8.9	8.8	10.2	97.1	98.9	8.6	8.8	0.007192
05:00	8.8	9.2	9.0	10.1	97.1	99.1	8.7	9.0	0.007331
06:00	9.4	9.9	9.6	10.0	97.1	99.0	9.0	9.3	0.007635
07:00	9.5	9.9	9.7	9.9	97.1	99.0	9.1	9.3	0.007704
08:00	9.7	10.0	9.9	9.9	97.1	98.9	9.2	9.4	0.007765
09:00	9.9	10.2	10.1	9.9	97.2	98.9	9.4	9.5	0.00792
10:00	9.9	10.1	10.1	10.0	97.3	98.7	9.3	9.4	0.007897
11:00	9.7	9.9	9.9	10.1	97.3	98.8	9.2	9.3	0.007786
12:00	10.1	10.1	10.3	10.2	97.4	98.6	9.4	9.5	0.007988
13:00	10.7	10.7	10.9	10.3	97.5	98.4	9.8	9.8	0.008335
14:00	11.2	11.3	11.4	10.4	97.5	98.7	10.2	10.2	0.008635
15:00	11.5	11.7	11.7	10.5	97.4	98.9	10.3	10.4	0.008787
16:00	11.8	12.0	12.0	10.6	97.5	98.9	10.5	10.6	0.008925
17:00	11.8	12.1	12.0	10.7	97.3	99.1	10.5	10.7	0.008919
18:00	10.3	10.4	10.8	10.8	93.1	93.0	9.6	9.6	0.008103
19:00	8.3	8.3	8.8	10.8	91.1	89.8	8.4	8.4	0.007027
20:00	7.5	7.6	8.0	10.8	91.2	89.8	8.0	8.0	0.006646
21:00	6.3	6.1	6.7	10.8	93.2	85.6	7.4	7.2	0.006122
22:00	5.1	5.0	5.4	10.7	95.1	83.1	6.8	6.7	0.005617
23:00	4.2	5.2	4.4	10.5	96.9	93.4	6.5	6.9	0.005274
Avg	9.1	9.3	9.3	10.3	96.2	95.8	8.9	9.0	0.007506
Max	11.8	12.1	12.0	10.8	97.5	99.1	10.5	10.7	0.008925
Hr. of Max	17	17	17	21	16	17	17	17	16
Min	4.2	5.0	4.4	9.9	91.1	83.1	6.5	6.7	0.005274
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/6/2016

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	0.00687	11.0	10.7	.00	28.90	978.7	-3.6	-.01	72.3
01:00	0.00702	11.2	10.9	.01	28.88	978.1	-1.2	.00	73.5
02:00	0.007166	11.1	11.1	.06	28.89	978.5	-2.2	.00	224.8
03:00	0.007276	11.1	11.3	.08	28.89	978.3	-2.0	.00	61.2
04:00	0.007364	11.2	11.4	.11	28.84	976.8	-3.3	.00	71.4
05:00	0.007542	11.4	11.7	.21	28.81	975.7	-2.0	.00	46.1
06:00	0.007863	11.8	12.2	.14	28.80	975.4	-3.5	-.01	34.0
07:00	0.007898	11.9	12.2	.17	28.77	974.3	-1.6	.00	68.0
08:00	0.007955	12.0	12.3	.34	28.78	974.5	6.9	.01	48.3
09:00	0.00804	12.3	12.4	.08	28.77	974.4	43.0	.06	77.8
10:00	0.007985	12.2	12.4	.11	28.78	974.6	33.0	.05	74.9
11:00	0.007888	12.1	12.2	.29	28.81	975.6	45.0	.06	161.1
12:00	0.008017	12.4	12.4	.02	28.79	974.8	99.7	.14	107.4
13:00	0.008317	12.9	12.9	.00	28.79	974.8	100.1	.14	206.0
14:00	0.008688	13.4	13.4	.00	28.80	975.3	54.4	.08	247.7
15:00	0.008882	13.6	13.7	.00	28.82	976.1	32.7	.05	240.9
16:00	0.009062	13.8	14.0	.00	28.85	977.0	15.2	.02	251.7
17:00	0.009132	13.8	14.2	.02	28.89	978.4	-.8	.00	233.7
18:00	0.008148	12.6	12.7	.00	28.94	980.1	-2.5	.00	261.7
19:00	0.007038	11.0	11.0	.00	28.97	981.2	-2.3	.00	253.8
20:00	0.006678	10.4	10.4	.00	29.00	982.3	-2.3	.00	255.8
21:00	0.006011	9.6	9.4	.00	29.04	983.5	-2.3	.00	249.6
22:00	0.005564	8.8	8.7	.00	29.06	984.1	-2.4	.00	258.2
23:00	0.005648	8.3	8.9	.00	29.07	984.6	-2.1	.00	59.5
Avg	0.007586	11.7	11.8	.07	28.87	977.8	16.5	.02	127.0
Max	0.009132	13.8	14.2	.34	29.07	984.6	100.1	.14	261.7
Hr. of Max	17	17	17	08	23	23	13	13	18
Min	0.005564	8.3	8.7	.00	28.77	974.3	-3.6	-.01	34.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/6/2016

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	58.0	55.4	353.0	45.8	38.8	29.6	18.0	.7	2.3
01:00	72.3	70.8	53.3	61.1	27.9	21.6	13.9	1.3	3.1
02:00	261.4	97.8	262.3	4.4	68.4	58.1	68.1	.8	.7
03:00	302.4	127.5	317.9	347.6	41.3	37.1	48.5	.3	.4
04:00	59.5	62.2	55.9	52.2	22.8	19.0	11.1	1.4	3.6
05:00	38.7	40.2	33.7 +	28.9	48.4	29.0	18.6	2.0	4.2
06:00	31.2	32.3	24.9	21.8	49.7	30.5	26.5	2.1	5.0
07:00	58.8	58.3	60.5	48.5	29.3	21.4	13.4	2.5	4.9
08:00	39.9	40.2	37.6	29.3	56.5	48.7	42.9	2.0	4.5
09:00	79.7	78.4	70.5	68.7	22.8	16.6	11.9	4.2	6.8
10:00	78.0	76.6	69.9	63.7	27.4	20.0	15.4	3.5	6.1
11:00	193.7	167.1	189.9	169.5	37.4	34.2	35.5	1.0	1.6
12:00	61.2	83.5	150.7	72.8	51.8	56.4	52.8	.7	1.4
13:00	236.4	233.6	225.4	229.2	44.8	26.4	17.1	1.9	2.6
14:00	260.7	258.2	253.4	253.4	28.5	16.3	13.1	2.2	3.7
15:00	253.9	247.3	249.8	242.5	36.7	18.9	12.9	1.6	2.8
16:00	257.8	250.7	252.8	245.8	20.5	12.4	9.6	2.4	3.8
17:00	244.3	243.2	235.3	238.5	20.1	12.6	9.1	3.2	5.5
18:00	274.7	278.1	261.5	272.1	21.8	17.6	15.3	7.1	9.6
19:00	271.6	275.8	254.4	269.8	20.0	16.5	13.0	5.6	7.6
20:00	273.6	280.7	254.9	274.4	25.5	18.9	16.2	4.3	6.3
21:00	264.7	268.0	251.0	262.6	18.8	14.1	12.1	3.7	5.9
22:00	287.0	293.1	259.0	286.1	72.5	21.7	13.8	1.7	3.7
23:00	41.2	5.7	31.0	356.1	40.3	33.0	35.4	.9	1.4
Avg	324.0	18.0	296.0	341.0	36.3	26.3	22.7	.0	.0
Max	302.4	293.1	353.0	356.1	72.5	58.1	68.1	7.1	9.6
Hr. of Max	03	22	00	23	22	02	02	18	18
Min	31.2	5.7	24.9	4.4	18.8	12.4	9.1	.3	.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)

12/6/2016

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	3.6	.9	2.6	3.8	1.4	4.1	3.5	2.4	.04
01:00	4.8	1.5	3.7	5.2	2.0	5.4	.8	1.1	-.06
02:00	.1	1.0	1.1	1.1	1.5	1.5	-.6	.1	-.02
03:00	.6	.7	1.2	.9	1.2	1.4	.0	-.6	-.04
04:00	4.8	1.5	3.7	4.9	1.9	5.2	-1.5	-.9	-.10
05:00	6.1	2.7	4.9	6.6	3.0	6.9	-1.1	1.3	-.09
06:00	6.8	3.0	5.8	7.5	3.5	7.8	-2.3	-.3	-.25
07:00	7.4	2.8	5.2	7.6	3.2	7.9	3.2	.8	.03
08:00	6.2	4.0	6.4	8.1	4.3	8.3	-.9	-1.0	-.25
09:00	8.5	4.5	7.0	8.7	5.0	9.0	.8	.9	-.08
10:00	8.0	3.8	6.4	8.2	4.3	12.3	1.5	3.4	-.04
11:00	1.8	2.8	3.7	4.2	3.2	4.5	.6	-.5	-.05
12:00	2.1	1.1	2.0	2.5	1.8	2.9	1.5	-.8	.01
13:00	3.4	2.1	2.8	3.6	2.7	3.9	-.5	-.8	-.05
14:00	5.1	2.4	3.9	5.3	2.8	5.6	2.4	.7	.02
15:00	4.0	1.7	3.0	4.1	2.1	4.3	3.7	.8	.06
16:00	5.2	2.5	3.9	5.3	2.8	5.5	-1.3	1.7	-.10
17:00	7.6	3.4	5.7	7.7	3.8	8.0	1.1	.7	.00
18:00	12.0	7.6	10.0	12.5	8.2	12.7	-2.9	-1.4	-.67
19:00	9.7	5.9	7.9	9.9	6.5	10.2	-.7	-.6	-.27
20:00	8.5	4.7	6.6	8.8	5.2	9.0	-1.3	-.3	-.22
21:00	7.6	4.0	6.2	7.9	4.3	8.2	-.1	-.2	-.11
22:00	6.3	1.9	3.9	6.4	2.3	6.3	.4	.4	-.07
23:00	1.7	1.3	2.3	3.0	1.7	3.2	2.4	4.5	.03
Avg	.0	2.8	4.6	6.0	3.3	6.4	.4	.5	-.10
Max	12.0	7.6	10.0	12.5	8.2	12.7	3.7	4.5	.06
Hr. of Max	18	18	18	18	18	18	15	23	15
Min	.1	.7	1.1	.9	1.2	1.4	-2.9	-1.4	-.67
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/6/2016

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	36_SonicTemp_015m	37_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	.12	7.8	13.5	18.8	19.9	11.3	10.1	9.8
01:00	.07	5.3	9.6	9.8	17.0	6.5	9.9	9.7
02:00	.03	3.4	4.1	5.0	10.0	17.5	9.7	9.6
03:00	-.03	3.0	4.6	5.5	9.7	8.6	9.6	9.4
04:00	-.10	7.6	8.9	9.8	19.2	7.6	9.8	9.5
05:00	.12	8.7	14.7	17.4	16.3	7.0	10.1	9.9
06:00	-.09	9.8	13.5	15.3	20.5	9.6	10.8	10.6
07:00	.05	9.6	15.3	15.6	21.8	9.6	10.9	10.6
08:00	-.17	10.5	14.9	16.9	20.9	11.6	11.1	10.7
09:00	.07	17.4	26.1	28.4	17.0	8.6	11.3	10.8
10:00	2.67	11.4	19.2	18.3	18.3	11.4	11.2	11.2 R
11:00	-.04	8.5	11.2	11.4	17.1	11.3	11.0	10.5
12:00	-.02	7.3	7.6	9.2	21.9	18.3	11.3	10.7
13:00	-.10	6.6	7.3	10.8	18.2	16.3	11.9	11.4
14:00	-.01	6.6	9.6	10.3	16.9	10.5	12.6	12.1
15:00	.02	5.0	7.1	8.0	16.2	8.4	13.0	12.5
16:00	.12	6.0	8.7	9.6	11.8	6.8	13.3	12.9
17:00	.06	7.8	12.1	12.6	13.1	6.4	13.5	13.1
18:00	-.63	19.5	22.0	25.4	15.6	11.9	12.5	12.1
19:00	-.29	15.3	19.9	25.4	14.3	10.2	10.7	10.4
20:00	-.25	12.6	15.1	18.5	16.2	11.7	9.9	9.6
21:00	-.10	14.2	16.7	19.0	12.1	7.6	8.9	8.9
22:00	-.11	9.6	12.4	14.7	21.8	10.4	8.2	8.2
23:00	.19	4.1	7.3	13.7	14.8	16.6	6.6	7.3
Avg	.07	9.1	12.6	14.6	16.7	10.7	10.7	10.5
Max	2.67	19.5	26.1	28.4	21.9	18.3	13.5	13.1
Hr. of Max	10	18	09	09	12	12	17	17
Min	-.63	3.0	4.1	5.0	9.7	6.4	6.6	7.3
Count	24	24	24	24	24	24	24	24
Total								