Date Printed: 12/30/2016 08:31

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

Daily Summary Report

Site: Tower "D" (1000 Area)

12/29/2016

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	8.0	8.0	8.0	8.0	.01	-.02	-.01	-.04	-.02
01:00	8.6	8.7	8.7	8.7	.10	.11	.17	.01	.06
02:00	9.6	9.7	9.7	9.7	.11	.10	.15	-.01	.04
03:00	9.6	9.8	9.9	10.1	.16	.22	.50	.06	.34
04:00	10.4	10.9	11.2	11.6	.47	.80	1.15	.32	.68
05:00	9.8	10.3	10.3	10.3	.48	.46	.52	-.02	.04
06:00	7.9	8.6	8.6	8.6	.66	.65	.69	.00	.04
07:00	6.9	7.3	7.3	7.3	.40	.37	.39	-.03	-.01
08:00	6.5	6.8	6.7	6.7	.25	.19	.15	-.06	-.09
09:00	7.5	7.2	7.0	6.9	-.29	-.53	-.67	-.24	-.37
10:00	8.3	7.8	7.5	7.3	-.55	-.83	-.99	-.29	-.44
11:00	9.7	8.9	8.6	8.5	-.79	-1.10	-1.26	-.31	-.46
12:00	11.0	10.4	10.1	9.9	-.66	-.95	-1.12	-.30	-.46
13:00	11.1	10.4	10.1	9.9	-.73	-1.04	-1.21	-.31	-.48
14:00	10.7	10.0	9.8	9.6	-.63	-.89	-1.05	-.26	-.42
15:00	10.0	9.6	9.3	9.2	-.43	-.69	-.81	-.26	-.38
16:00	9.2	9.0	8.8	8.7	-.21	-.42	-.51	-.21	-.30
17:00	8.0	8.2	8.0	8.0	.18	.05	.02	-.13	-.16
18:00	7.0	7.3	7.3	7.3	.29	.21	.21	-.08	-.07
19:00	6.2	6.6	6.5	6.5	.38	.33	.35	-.05	-.03
20:00	5.8	6.1	6.0	5.9	.27	.17	.16	-.10	-.11
21:00	5.3	5.5	5.4	5.4	.24	.14	.11	-.10	-.13
22:00	4.4	5.0	5.0	5.0	.59	.59	.59	.00	.01
23:00	4.1	4.7	4.7	4.8	.57	.61	.64	.04	.07
Avg	8.2	8.2	8.1	8.1	.04	-.06	-.08	-.10	-.11
Max	11.1	10.9	11.2	11.6	.66	.80	1.15	.32	.68
Hr. of Max	13	04	04	04	06	04	04	04	04
Min	4.1	4.7	4.7	4.8	-.79	-1.10	-1.26	-.31	-.48
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/29/2016

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	7.4	7.6	7.6	8.9	96.9	98.7	7.9	8.1	0.006591
01:00	8.0	8.4	8.2	8.9	96.9	98.9	8.2	8.5	0.006867
02:00	8.9	9.3	9.2	8.9	97.0	98.9	8.8	9.0	0.007352
03:00	9.0	9.5	9.2	9.0	97.0	99.0	8.8	9.1	0.007376
04:00	9.3	9.7	9.7	9.1	94.0	94.0	9.0	9.2	0.007524
05:00	5.7	5.5	7.1	9.1	76.4	72.9	7.0	6.9	0.005881
06:00	4.3	4.0	5.5	9.1	78.5	73.7	6.4	6.3	0.005305
07:00	3.1	3.0	4.4	9.1	77.5	74.5	5.9	5.9	0.004883
08:00	2.5	2.1	3.8	9.0	76.0	72.7	5.7	5.5	0.004647
09:00	1.4	.7	3.4	8.9	65.7	63.7	5.2	5.0	0.004305
10:00	-.6	-1.5	2.4	8.8	54.3	52.8	4.6	4.3	0.003746
11:00	-2.6	-4.0	1.5	8.8	42.7	40.4	3.9	3.5	0.003241
12:00	-7.4	-9.0	-1.3	8.7	27.4	25.2	2.7	2.4	0.002276
13:00	-8.6	-10.0	-2.0	8.7	24.6	23.2	2.5	2.2	0.002066
14:00	-9.2	-10.6	-2.6	8.6	24.2	22.7	2.4	2.1	0.001966
15:00	-8.2	-9.2	-2.1	8.6	27.5	26.2	2.6	2.4	0.002132
16:00	-8.3	-9.1	-2.4	8.6	28.7	27.2	2.6	2.4	0.002113
17:00	-8.4	-9.3	-3.0	8.6	30.8	28.4	2.5	2.4	0.002081
18:00	-8.1	-8.9	-3.1	8.6	33.6	30.9	2.6	2.4	0.002127
19:00	-7.7	-8.5	-3.1	8.5	36.7	33.6	2.7	2.5	0.002188
20:00	-7.0	-7.7	-2.7	8.4	39.8	37.2	2.8	2.7	0.002308
21:00	-6.2	-6.8	-2.4	8.3	43.7	41.2	3.0	2.9	0.002449
22:00	-5.6	-6.4	-2.2	8.1	48.8	44.0	3.2	3.0	0.00257
23:00	-5.9	-6.7	-2.5	8.0	48.7	43.9	3.1	2.9	0.002511
Avg	-1.4	-2.0	1.8	8.7	57.0	55.2	4.8	4.7	0.003938
Max	9.3	9.7	9.7	9.1	97.0	99.0	9.0	9.2	0.007524
Hr. of Max	04	04	04	07	03	03	04	04	04
Min	-9.2	-10.6	-3.1	8.0	24.2	22.7	2.4	2.1	0.001966
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)

12/29/2016

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	0.00672	10.3	10.5	.09	28.97	981.0	-3.2	.00	224.8
01:00	0.007062	10.7	11.0	.36	28.96	980.6	-2.7	.00	244.7
02:00	0.007552	11.5	11.8	.00	28.96	980.8	-2.8	.00	225.1
03:00	0.00761	11.5	11.9	.00	28.96	980.9	-2.2	.00	219.3
04:00	0.007758	11.7	12.1	.01	28.98	981.4	-2.3	.00	240.2
05:00	0.005799	9.2	9.1	.00	29.03	983.0	-1.9	.00	270.5
06:00	0.005208	8.3	8.2	.00	29.06	984.0	-2.5	.00	253.5
07:00	0.004821	7.7	7.6	.00	29.10	985.5	-.5	.00	259.1
08:00	0.004528	7.3	7.1	.00	29.12	986.3	83.2	.12	254.7
09:00	0.00409	6.8	6.4	.00	29.15	987.1	264.8	.38	261.9
10:00	0.00351	5.9	5.5	.00	29.16	987.6	416.8	.60	272.7
11:00	0.00291	5.1	4.6	.00	29.15	987.1	518.0	.74	243.3
12:00	0.002003	3.6	3.2	.00	29.12	986.2	547.7	.79	258.3
13:00	0.00185	3.3	2.9	.00	29.11	985.8	520.8	.75	268.0
14:00	0.001768	3.1	2.8	.00	29.10	985.4	443.7	.64	267.5
15:00	0.001973	3.4	3.1	.00	29.11	985.8	289.8	.42	263.3
16:00	0.001977	3.3	3.1	.00	29.13	986.4	167.7	.24	257.6
17:00	0.001941	3.3	3.1	.00	29.14	986.7	12.8	.02	260.7
18:00	0.001998	3.4	3.2	.00	29.16	987.4	-2.2	.00	257.3
19:00	0.002059	3.5	3.3	.00	29.17	987.8	-2.2	.00	246.3
20:00	0.002196	3.7	3.5	.00	29.19	988.5	-2.3	.00	257.7
21:00	0.002349	3.9	3.7	.00	29.20	989.0	-2.2	.00	255.1
22:00	0.002411	4.1	3.8	.00	29.21	989.2	-2.3	.00	243.5
23:00	0.002358	4.0	3.7	.00	29.21	989.1	-2.2	.00	243.5
Avg	0.003852	6.2	6.1	.02	29.10	985.5	134.7	.20	252.0
Max	0.007758	11.7	12.1	.36	29.21	989.2	547.7	.79	272.7
Hr. of Max	04	04	04	01	23	22	12	12	10
Min	0.001768	3.1	2.8	.00	28.96	980.6	-3.2	.00	219.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/29/2016

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	233.6	227.8	231.7	223.8	49.5	27.5	19.7	2.5	4.1
01:00	258.7	257.3	246.1	252.7	30.9	19.0	14.9	3.3	5.7
02:00	238.4	240.0	226.7	235.8	18.4	12.6	10.1	4.6	7.5
03:00	231.5	236.6	221.3	232.5	16.7	8.2	6.1	3.6	6.2
04:00	254.3	261.5	240.2	256.3	20.3	16.1	14.5	4.9	7.6
05:00	283.1	287.9	269.6	281.2	23.7	19.0	15.7	7.4	10.1
06:00	271.7	278.3	253.5	271.9	22.4	18.1	14.9	5.0	7.0
07:00	273.2	278.2	258.3	272.1	21.5	15.8	13.5	6.0	8.7
08:00	270.6	277.2	254.4	271.2	30.2	21.0	16.9	4.4	6.3
09:00	270.6	274.8	262.1	268.5	31.4	22.4	18.5	5.9	8.1
10:00	279.3	279.0	272.4	272.4	26.0	20.5	16.2	6.1	8.2
11:00	253.8	256.7	244.4	251.5	28.0	22.6	19.3	6.6	8.2
12:00	268.2	267.8	257.6	261.6	28.3	23.7	20.9	9.5	12.6
13:00	276.7	276.6	267.0	270.3	29.4	23.8	20.5	9.7	13.0
14:00	274.9	277.5	267.7	270.9	26.2	21.1	18.5	10.3	13.4
15:00	273.5	276.3	262.2	269.9	28.2	23.4	19.7	7.7	10.6
16:00	265.9	269.5	257.4	263.6	26.7	22.0	19.3	6.7	9.0
17:00	268.5	270.1	260.2	264.4	24.1	19.2	17.7	7.7	10.6
18:00	267.7	271.8	256.4	266.1	27.4	21.5	17.9	5.7	8.3
19:00	259.8	265.4	245.4	260.0	24.6	19.1	15.7	5.2	7.3
20:00	270.0	273.5	257.1	267.6	27.0	22.5	18.4	6.9	9.5
21:00	272.4	276.5	255.6	270.3	29.1	22.9	19.0	5.0	7.0
22:00	265.5	274.3	245.0	268.9	26.5	20.0	16.9	3.8	5.9
23:00	258.6	265.4	244.5	260.0	25.3	18.2	16.2	4.4	6.7
Avg	264.0	267.0	252.0	262.0	26.7	20.0	16.7	.0	.0
Max	283.1	287.9	272.4	281.2	49.5	27.5	20.9	10.3	13.4
Hr. of Max	05	05	10	05	00	00	12	14	14
Min	231.5	227.8	221.3	223.8	16.7	8.2	6.1	2.5	4.1
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)

12/29/2016

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	5.6	3.3	4.7	5.9	3.5	6.2	-1.4	-.3	-.13
01:00	7.8	3.7	6.0	8.2	4.1	8.5	-.7	1.2	-.11
02:00	9.8	4.8	7.6	10.0	5.3	10.4	1.4	1.7	.03
03:00	8.3	3.7	6.3	8.4	4.0	8.8	.4	2.1	-.03
04:00	10.1	5.5	8.3	10.8	6.0	11.1	-.6	1.0	-.19
05:00	12.8	8.0	10.6	13.3	8.4	13.4	-.2	-1.6	-.38
06:00	9.3	5.4	7.4	9.6	5.8	9.9	-1.7	-1.3	-.31
07:00	11.0	6.4	9.0	11.4	7.0	11.6	-.9	-1.5	-.31
08:00	8.5	4.8	6.7	8.9	5.4	9.2	1.4	-.2	-.07
09:00	10.0	6.5	8.6	10.4	7.0	10.9	-.6	-1.9	-.30
10:00	9.9	6.7	8.7	10.3	7.1	10.7	-2.4	-3.7	-.54
11:00	9.9	7.3	8.8	10.5	7.9	11.2	1.1	-1.3	-.15
12:00	15.2	10.5	13.7	16.2	11.4	16.9	-.2	1.7	-.49
13:00	15.8	10.9	14.1	16.8	11.4	17.4	.7	.0	-.41
14:00	16.5	11.2	14.2	17.1	11.6	17.7	-2.2	-1.5	-.91
15:00	13.1	8.5	11.4	13.8	9.3	14.4	-.2	.0	-.43
16:00	10.9	7.4	9.7	11.6	8.0	12.1	-2.2	-.8	-.53
17:00	12.9	8.3	11.2	13.5	8.9	14.0	-1.9	-.4	-.61
18:00	10.9	6.2	8.9	11.4	6.8	11.8	1.2	.6	-.17
19:00	9.6	5.7	7.8	10.0	6.1	10.4	2.5	1.0	.05
20:00	12.4	7.5	10.2	13.0	8.2	13.4	1.3	1.0	-.16
21:00	8.7	5.4	7.4	9.1	6.1	9.5	-.5	.1	-.27
22:00	7.6	4.2	6.2	7.9	4.7	8.3	.8	-.5	-.06
23:00	8.4	4.8	7.0	8.8	5.4	9.2	-.4	-.3	-.19
Avg	.0	6.5	8.9	11.1	7.1	11.5	-.2	-.2	-.28
Max	16.5	11.2	14.2	17.1	11.6	17.7	2.5	2.1	.05
Hr. of Max	14	14	14	14	14	14	19	03	19
Min	5.6	3.3	4.7	5.9	3.5	6.2	-2.4	-3.7	-.91
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/29/2016

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	-.07	8.5	12.1	14.4	10.6	6.0	8.7	8.2
01:00	.04	11.0	14.0	18.8	13.3	8.2	9.4	9.1
02:00	.24	10.3	13.5	16.7	12.7	6.7	10.5	10.2
03:00	.31	8.2	16.7	20.8	11.5	3.5	10.6	10.6
04:00	.05	18.5	19.9	23.1	14.0	9.4	11.8	12.0
05:00	-.83	25.0	33.0	34.1	16.6	11.7	10.8	10.4
06:00	-.42	13.5	17.2	20.4	14.7	12.2	9.0	8.7
07:00	-.47	20.4	20.4	24.7	13.9	9.7	7.7	7.3
08:00	-.27	15.3	17.4	22.2	16.8	11.7	7.1	6.6
09:00	-.65	18.8	20.2	20.2	18.1	13.8	7.5	6.7
10:00	-.95	15.6	18.5	19.5	17.2	12.6	7.9	7.0
11:00	-.39	18.1	18.5	22.4	17.0	13.1	8.8	7.9
12:00	-.02	30.2	34.6	37.6	17.8	14.5	10.1	9.3
13:00	-.63	54.7	54.0	52.7	19.7	14.9	10.2	9.2
14:00	-1.03	31.8	36.6	38.5	16.7	13.4	9.8	9.0
15:00	-.54	31.4	31.8	41.2	18.6	15.1	9.4	8.7
16:00	-.47	23.1	33.7	44.7	17.8	12.4	8.9	8.3
17:00	-.41	22.2	26.1	28.9	16.6	12.4	8.1	7.6
18:00	-.13	18.5	21.5	25.9	18.6	12.4	7.3	6.9
19:00	-.05	16.9	22.7	23.6	16.0	11.7	6.6	6.2
20:00	-.18	23.8	27.5	29.3	18.0	12.8	6.1	5.6
21:00	-.34	21.5	22.0	22.2	18.0	14.4	5.6	5.1
22:00	-.24	11.4	15.6	19.5	15.7	12.5	5.1	4.8
23:00	-.19	13.7	16.7	18.1	14.7	12.0	4.8	4.5
Avg	-.32	20.1	23.5	26.6	16.0	11.5	8.4	7.9
Max	.31	54.7	54.0	52.7	19.7	15.1	11.8	12.0
Hr. of Max	03	13	13	13	13	15	04	04
Min	-1.03	8.2	12.1	14.4	10.6	3.5	4.8	4.5
Count	24	24	24	24	24	24	24	24
Total								