Date Printed: 01/11/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

1/10/2016

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	9.3	9.3	9.4	.17	.14	.22	-.03	.05
01:00	9.1	9.4	9.3	9.4	.24	.18	.24	-.06	.00
02:00	8.9	9.1	9.1	9.1	.18	.14	.21	-.04	.03
03:00	9.0	9.2	9.1	9.2	.17	.13	.19	-.04	.02
04:00	8.7	8.8	8.8	8.9	.17	.13	.19	-.04	.02
05:00	7.2	7.4	7.3	7.3	.12	.07	.09	-.05	-.03
06:00	5.3	5.4	5.3	5.2	.09	.00	-.03	-.09	-.12
07:00	2.8	2.8	2.7	2.6	.01	-.13	-.20	-.14	-.21
08:00	2.1	2.0	1.9	1.8	-.10	-.26	-.37	-.16	-.27
09:00	1.6	1.4	1.3	1.2	-.13	-.31	-.42	-.18	-.28
10:00	1.2	1.0	.8	.7	-.17	-.37	-.49	-.20	-.32
11:00	.9	.7	.5	.4	-.18	-.38	-.51	-.20	-.34
12:00	.7	.5	.3	.2	-.21	-.43	-.57	-.21	-.36
13:00	.7	.5	.3	.1	-.23	-.45	-.60	-.21	-.37
14:00	.7	.4	.2	.0	-.28	-.49	-.66	-.21	-.38
15:00	.5	.2	.0	-.1	-.30	-.52	-.69	-.23	-.40
16:00	-.2	-.4	-.6	-.7	-.19	-.39	-.54	-.21	-.35
17:00	-.9	-1.0	-1.1	-1.3	-.05	-.23	-.35	-.18	-.30
18:00	-1.7	-1.7	-1.9	-2.1	-.04	-.23	-.36	-.20	-.32
19:00	-2.8	-2.8	-3.0	-3.1	.01	-.18	-.30	-.19	-.31
20:00	-4.2	-4.2	-4.4	-4.5	-.04	-.24	-.36	-.20	-.32
21:00	-5.1	-5.1	-5.3	-5.4	.03	-.15	-.25	-.18	-.28
22:00	-5.8	-5.8	-5.9	-6.0	-.01	-.17	-.27	-.16	-.26
23:00	-6.5	-6.5	-6.7	-6.8	.03	-.13	-.23	-.17	-.27
Avg	1.7	1.7	1.6	1.5	-.03	-.18	-.25	-.15	-.22
Max	9.2	9.4	9.3	9.4	.24	.18	.24	-.03	.05
Hr. of Max	00	01	01	01	01	01	01	00	00
Min	-6.5	-6.5	-6.7	-6.8	-.30	-.52	-.69	-.23	-.40
Count	24	24	24	24	24	24	24	24	24
Total									

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

Daily Summary Report

Site: Tower "D" (1000 Area)

1/10/2016

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	8.6	8.6	8.8	9.1	97.4	96.3	8.6	8.6	0.007243
01:00	8.4	8.4	8.6	9.1	96.2	94.7	8.5	8.5	0.007135
02:00	8.3	8.1	8.5	9.1	96.8	94.8	8.4	8.3	0.007085
03:00	8.1	8.1	8.4	9.1	95.1	94.2	8.3	8.3	0.006989
04:00	7.6	7.5	8.0	9.1	94.2	92.6	8.0	8.0	0.006765
05:00	4.8	4.4	5.6	9.1	85.2	82.7	6.7	6.5	0.005568
06:00	1.7	1.3	2.9	9.1	78.6	75.5	5.4	5.2	0.004471
07:00	-1.2	-1.7	.2	9.0	75.6	72.9	4.4	4.3	0.003602
08:00	-1.4	-1.8	-.2	8.9	78.2	76.1	4.4	4.2	0.003539
09:00	-1.9	-2.4	-.7	8.8	78.2	76.2	4.2	4.1	0.003393
10:00	-2.6	-3.2	-1.3	8.7	76.0	73.9	4.0	3.8	0.003209
11:00	-2.1	-2.5	-1.1	8.5	80.8	79.4	4.1	4.0	0.003331
12:00	-2.8	-3.3	-1.6	8.4	77.6	76.0	3.9	3.8	0.00316
13:00	-3.4	-3.9	-2.0	8.3	74.5	72.6	3.8	3.6	0.003031
14:00	-3.7	-4.2	-2.2	8.2	73.2	71.6	3.7	3.5	0.002962
15:00	-3.7	-4.3	-2.3	8.1	73.4	71.9	3.7	3.5	0.002947
16:00	-5.2	-5.8	-3.5	8.0	69.2	67.3	3.3	3.2	0.00263
17:00	-6.6	-7.2	-4.7	8.0	65.7	63.2	3.0	2.9	0.002365
18:00	-7.8	-8.3	-5.7	7.8	63.6	61.0	2.7	2.6	0.00216
19:00	-8.7	-9.2	-6.8	7.7	64.3	62.1	2.5	2.5	0.001999
20:00	-10.0	-10.4	-8.1	7.5	63.9	62.2	2.3	2.2	0.001801
21:00	-10.2	-10.5	-8.5	7.3	68.0	65.9	2.3	2.2	0.001777
22:00	-10.6	-10.9	-9.0	7.1	69.0	67.2	2.2	2.2	0.001722
23:00	-11.2	-11.5	-9.6	6.9	69.9	67.7	2.1	2.1	0.001641
Avg	-1.9	-2.3	-.7	8.4	77.7	75.8	4.6	4.5	0.003772
Max	8.6	8.6	8.8	9.1	97.4	96.3	8.6	8.6	0.007243
Hr. of Max	00	00	00	06	00	00	00	00	00
Min	-11.2	-11.5	-9.6	6.9	63.6	61.0	2.1	2.1	0.001641
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)

1/10/2016

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	0.007242	11.2	11.2	.01	28.72	972.5	-2.2	.00	230.8
01:00	0.007145	11.0	11.0	.01	28.70	972.0	-1.9	.00	212.2
02:00	0.007022	10.9	10.9	.00	28.71	972.2	-2.8	.00	228.8
03:00	0.007001	10.8	10.8	.00	28.71	972.2	-2.5	.00	225.9
04:00	0.006728	10.5	10.4	.02	28.71	972.3	-2.4	.00	235.0
05:00	0.005453	8.6	8.5	.01	28.74	973.4	-1.8	.00	245.0
06:00	0.00432	7.0	6.7	.00	28.80	975.3	-2.4	.00	254.0
07:00	0.003474	5.6	5.4	.00	28.87	977.6	-.9	.00	253.2
08:00	0.003418	5.5	5.4	.00	28.92	979.5	10.8	.02	256.6
09:00	0.003275	5.3	5.1	.00	28.98	981.5	15.0	.02	245.3
10:00	0.003081	5.0	4.8	.00	29.03	983.1	29.5	.04	259.3
11:00	0.003234	5.2	5.1	.00	29.05	983.8	35.3	.05	247.3
12:00	0.003045	5.0	4.8	.00	29.06	984.0	59.6	.09	252.7
13:00	0.002904	4.8	4.6	.00	29.07	984.4	61.5	.09	267.0
14:00	0.002839	4.7	4.5	.00	29.08	984.8	96.4	.14	271.8
15:00	0.002824	4.6	4.5	.00	29.10	985.5	82.0	.12	272.7
16:00	0.002521	4.2	4.0	.00	29.13	986.6	46.9	.07	275.1
17:00	0.002267	3.7	3.6	.00	29.16	987.5	11.8	.02	270.5
18:00	0.002067	3.4	3.3	.00	29.19	988.6	-2.3	.00	266.3
19:00	0.001933	3.2	3.1	.00	29.22	989.4	-2.4	.00	262.6
20:00	0.001748	2.9	2.8	.00	29.24	990.1	-1.9	.00	256.0
21:00	0.001728	2.8	2.7	.00	29.25	990.6	-1.9	.00	238.6
22:00	0.001677	2.7	2.7	.00	29.26	990.9	-2.6	.00	273.2
23:00	0.001593	2.6	2.5	.00	29.27	991.3	-2.2	.00	233.8
Avg	0.003689	5.9	5.8	.00	29.00	982.0	17.4	.03	251.0
Max	0.007242	11.2	11.2	.02	29.27	991.3	96.4	.14	275.1
Hr. of Max	00	00	00	04	23	23	14	14	16
Min	0.001593	2.6	2.5	.00	28.70	972.0	-2.8	.00	212.2
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)

1/10/2016

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	237.3	231.1	240.5	233.3	23.6	13.6	9.8	3.7	6.3
01:00	229.8	225.0	232.1	228.1	40.6	14.6	11.3	2.2	4.3
02:00	234.3	228.0	236.9	230.3	23.6	13.0	9.9	2.7	5.0
03:00	230.4	225.3	233.2	227.6	19.2	11.7	8.6	3.9	6.7
04:00	239.3	232.5	243.4	234.7	18.6	11.9	9.5	4.1	6.6
05:00	252.3	250.8	251.7	252.3	20.9	15.9	13.2	9.1	13.0
06:00	261.0	261.8	259.8	262.9	21.2	17.3	13.8	9.5	13.2
07:00	264.2	266.1	259.4	267.0	21.2	17.4	13.9	8.8	11.8
08:00	265.9	266.8	262.8	268.0	26.5	19.4	16.0	6.1	8.7
09:00	254.2	257.0	251.1	258.5	25.9	19.8	17.2	5.3	7.4
10:00	266.9	265.9	265.2	267.2	24.1	18.2	14.9	4.9	6.8
11:00	255.5	256.4	253.2	258.1	21.5	16.9	13.6	5.6	7.3
12:00	256.7	258.2	257.7	259.5	24.2	20.0	17.1	5.5	7.4
13:00	272.6	274.4	271.1	274.8	32.2	21.8	18.1	4.8	7.0
14:00	277.7	278.6	276.2	279.0	30.7	23.2	22.0	4.5	6.2
15:00	278.1	278.0	276.8	278.5	26.6	19.8	17.1	5.1	6.9
16:00	280.0	282.9	278.7	282.7	26.9	19.0	16.9	5.8	7.7
17:00	282.4	284.9	275.5	284.7	24.9	18.8	17.3	5.0	7.0
18:00	277.6	279.3	271.6	279.6	25.9	21.5	18.8	5.2	7.0
19:00	273.1	275.6	268.0	276.3	23.2	16.5	14.5	5.7	8.2
20:00	269.2	274.7	262.2	274.9	29.9	25.0	20.3	6.1	7.9
21:00	253.0	259.8	245.0	261.6	26.2	20.9	20.1	3.7	4.9
22:00	283.1	281.9	278.1	281.9	19.6	14.6	10.3	5.6	7.9
23:00	257.2	264.9	241.1	266.3	31.7	27.6	20.1	2.8	3.9
Avg	260.0	261.0	258.0	262.0	25.4	18.3	15.2	.0	.0
Max	283.1	284.9	278.7	284.7	40.6	27.6	22.0	9.5	13.2
Hr. of Max	22	17	16	17	01	23	14	06	06
Min	229.8	225.0	232.1	227.6	18.6	11.7	8.6	2.2	3.9
Count	24	24	24	24	24	24	24	24	24
Total									

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

Daily Summary Report

Site: Tower "D" (1000 Area)

1/10/2016

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	8.7	3.9	6.4	8.9	4.4	9.2	.9	1.4	-.03
01:00	6.2	2.4	4.5	6.4	2.9	6.7	.5	1.0	-.03
02:00	6.9	3.0	5.2	7.0	3.3	7.3	.0	1.2	-.04
03:00	9.1	4.1	6.9	9.2	4.5	9.6	1.4	1.0	-.04
04:00	8.6	4.4	6.9	8.8	4.9	9.2	-1.5	1.2	-.23
05:00	16.4	9.7	13.5	16.9	10.5	17.6	-.1	2.0	-.39
06:00	16.7	10.2	13.9	17.3	10.9	17.9	-.4	1.6	-.38
07:00	14.4	9.4	12.3	14.8	10.0	15.4	-1.3	.2	-.57
08:00	11.0	6.7	9.2	11.4	7.2	11.9	-.3	.7	-.37
09:00	9.1	5.8	7.8	9.5	6.4	10.1	1.4	2.2	-.10
10:00	8.5	5.3	7.1	8.8	5.7	9.3	1.3	1.1	-.15
11:00	9.0	6.0	7.6	9.3	6.7	9.8	-.3	2.0	-.29
12:00	8.8	6.1	7.9	9.4	6.6	9.9	.2	2.1	-.21
13:00	8.8	5.3	7.5	9.3	5.9	9.6	2.2	.6	-.15
14:00	7.4	5.0	6.7	7.9	5.3	8.2	-.9	1.9	-.44
15:00	8.2	5.5	7.3	8.5	5.8	8.8	-.5	.8	-.32
16:00	9.4	6.3	8.1	9.8	6.6	10.1	-1.9	-1.3	-.56
17:00	8.5	5.4	7.3	8.8	5.7	9.0	-1.0	-1.7	-.39
18:00	8.5	5.7	7.5	9.0	6.2	9.4	-.3	1.1	-.28
19:00	10.4	6.2	8.6	10.9	6.6	11.1	-1.3	.7	-.41
20:00	9.9	6.8	8.5	10.4	7.2	10.8	-3.7	-.5	-.79
21:00	5.8	4.0	5.2	6.1	4.6	6.5	2.4	1.9	.08
22:00	9.8	5.9	8.2	10.1	6.1	10.0	-2.6	-.2	-.50
23:00	5.6	3.4	4.5	6.1	3.8	6.3	1.6	1.1	.00
Avg	.0	5.7	7.9	9.8	6.2	10.2	-.2	.9	-.27
Max	16.7	10.2	13.9	17.3	10.9	17.9	2.4	2.2	.08
Hr. of Max	06	06	06	06	06	06	21	09	21
Min	5.6	2.4	4.5	6.1	2.9	6.3	-3.7	-1.7	-.79
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)

1/10/2016

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	82_SPkWsH_015m	83_SPkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	86_SonicTemp_015m
Hour	MPH	MPH	MPH	MPH	MPH	MPH	DEG	DEG	DEGC
00:00	.16	15.1	18.3	17.9	17.2	19.8	13.7	7.3	10.1
01:00	.09	11.4	14.0	18.3	12.3	18.0	15.0	6.2	10.1
02:00	.12	9.2	11.4	14.2	9.0	15.6	12.3	6.0	9.8
03:00	.11	13.3	18.8	17.4	16.1	16.4	14.6	6.6	9.9
04:00	.15	14.7	18.1	21.3	15.4	23.4	12.0	6.7	9.5
05:00	.29	25.9	32.3	34.1	28.7	35.8	14.6	9.4	7.9
06:00	.15	36.0	46.3	52.9	35.0	34.2	15.2	10.3	5.7
07:00	-.24	36.2	35.0	41.7	26.6	32.7	15.3	10.7	3.1
08:00	-.11	21.1	25.9	27.0	22.5	27.9	18.1	11.7	2.3
09:00	.14	15.1	18.5	25.0	16.5	22.2	18.4	12.6	1.7
10:00	-.06	16.3	17.4	21.1	17.2	22.6	17.6	12.9	1.2
11:00	.16	14.9	16.5	20.8	15.7	20.7	15.4	11.0	.9
12:00	.11	18.8	17.4	22.0	17.3	21.5	16.5	13.8	.7
13:00	-.19	14.2	18.1	18.1	15.3	18.7	20.1	14.0	.7
14:00	-.07	16.3	18.1	17.6	15.7	19.1	20.6	16.2	.5
15:00	-.16	14.0	16.5	19.7	15.2	22.0	18.7	13.4	.4
16:00	-.51	17.4	17.9	18.5	19.8	21.0	18.5	12.7	-.3
17:00	-.45	14.7	18.1	18.8	17.1	21.4	18.7	12.6	-.8
18:00	-.13	16.7	18.1	18.5	17.9	19.3	18.1	15.5	-1.6
19:00	-.12	20.4	23.6	26.3	21.0	24.3	16.8	11.4	-2.7
20:00	-.54	23.4	25.9	27.0	20.5	24.0	18.7	15.9	-4.1
21:00	.09	13.7	14.0	16.3	12.4	17.4	17.2	13.7	-4.9
22:00	-.21	15.6	20.2	20.8	16.2	20.8	14.1	8.2	-5.6
23:00	-.01	10.5	13.7	15.3	12.2	16.3	17.2	13.9	-6.3
Avg	-.05	17.7	20.6	22.9	18.0	22.3	16.6	11.4	2.0
Max	.29	36.2	46.3	52.9	35.0	35.8	20.6	16.2	10.1
Hr. of Max	05	07	06	06	06	05	14	14	01
Min	-.54	9.2	11.4	14.2	9.0	15.6	12.0	6.0	-6.3
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)

1/10/2016

Interval: 001h

	37_SonicTemp_060m
Hour	DEGC
00:00	9.9
01:00	9.9
02:00	9.6
03:00	9.6
04:00	9.3
05:00	7.6
06:00	5.2
07:00	2.6
08:00	1.7
09:00	1.1
10:00	.6
11:00	.3
12:00	.1
13:00	.0
14:00	-.1
15:00	-.3
16:00	-.9
17:00	-1.4
18:00	-2.2
19:00	-3.3
20:00	-4.6
21:00	-5.4
22:00	-6.1
23:00	-6.8
Avg	1.5
Max	9.9
Hr. of Max	01
Min	-6.8
Count	24
Total	