Date Printed: 11/30/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/29/2016

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	14.5	14.8	14.9	15.0	.30	.33	.44	.03	.14
01:00	13.8	13.9	13.9	13.9	.10	.03	.02	-.07	-.08
02:00	13.4	13.7	13.7	13.8	.32	.33	.41	.02	.09
03:00	13.0	13.3	13.4	13.4	.33	.35	.44	.02	.11
04:00	12.6	12.7	12.7	12.6	.11	.04	.03	-.07	-.08
05:00	12.0	12.0	11.9	11.8	.05	-.07	-.16	-.12	-.21
06:00	11.2	11.4	11.4	11.4	.26	.26	.25	.00	-.01
07:00	10.3	10.8	11.1	11.2	.54	.84	.97	.30	.43
08:00	10.0	10.5	10.9	11.2	.47	.93	1.22	.46	.76
09:00	12.3	12.1	12.0	11.9	-.23	-.36	-.43	-.13	-.20
10:00	13.1	12.8	12.6	12.5	-.26	-.47	-.56	-.21	-.30
11:00	14.3	13.9	13.7	13.6	-.35	-.59	-.67	-.24	-.32
12:00	15.5	15.2	14.9	14.8	-.38	-.65	-.74	-.27	-.36
13:00	18.0	17.2	16.9	16.8	-.78	-1.08	-1.20	-.30	-.42
14:00	19.3	18.6	18.3	18.1	-.68	-1.00	-1.13	-.32	-.45
15:00	19.6	19.0	18.8	18.7	-.52	-.80	-.89	-.28	-.37
16:00	18.6	18.8	18.7	18.7	.20	.08	.08	-.12	-.12
17:00	16.0	17.6	18.0	18.1	1.58	2.02	2.11	.44	.52
18:00	14.3	16.3	16.9	17.5	2.00	2.62	3.22	.63	1.22
19:00	13.5	15.2	16.0	16.8	1.72	2.47	3.30	.76	1.58
20:00	13.3	14.4	15.0	16.4	1.16	1.76	3.20	.61	2.04
21:00	13.6	14.4	14.7	15.8	.86	1.11	2.19	.25	1.33
22:00	13.9	14.6	14.8	15.3	.76	.90	1.49	.14	.73
23:00	13.9	14.4	14.6	14.8	.50	.65	.91	.16	.42
Avg	14.2	14.5	14.6	14.8	.34	.40	.60	.07	.27
Max	19.6	19.0	18.8	18.7	2.00	2.62	3.30	.76	2.04
Hr. of Max	15	15	15	16	18	18	19	19	20
Min	10.0	10.5	10.9	11.2	-.78	-1.08	-1.20	-.32	-.45
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/29/2016

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	12.3	12.2	13.0	12.0	87.6	85.7	10.8	10.7	0.009265
01:00	12.9	13.3	13.2	12.1	95.7	97.3	11.3	11.5	0.009674
02:00	12.6	13.0	12.9	12.2	96.9	97.4	11.1	11.4	0.00949
03:00	12.4	12.5	12.6	12.2	97.4	96.4	10.9	11.0	0.009313
04:00	11.8	12.0	12.1	12.3	96.1	96.7	10.5	10.6	0.008954
05:00	10.7	11.0	11.1	12.3	93.2	94.5	9.8	10.0	0.008326
06:00	10.3	10.5	10.6	12.4	95.6	95.6	9.6	9.7	0.008091
07:00	9.7	10.4	9.9	12.3	97.2	98.4	9.2	9.6	0.007744
08:00	9.3	10.2	9.6	12.3	96.9	99.2	9.0	9.5	0.007579
09:00	11.5	11.3	11.8	12.3	95.9	95.8	10.3	10.2	0.008758
10:00	11.7	11.5	12.2	12.3	92.9	93.4	10.4	10.3	0.008885
11:00	12.1	11.9	12.8	12.4	87.9	88.9	10.6	10.5	0.009102
12:00	12.2	12.0	13.3	12.6	81.8	82.9	10.7	10.6	0.009189
13:00	12.1	11.9	14.0	12.8	69.5	72.2	10.5	10.4	0.009125
14:00	11.8	11.6	14.3	13.0	63.1	65.0	10.3	10.2	0.008982
15:00	11.5	11.4	14.2	13.2	60.7	62.1	10.1	10.0	0.008802
16:00	11.4	11.0	13.8	13.3	64.1	61.5	10.1	9.8	0.008749
17:00	12.1	11.5	13.4	13.5	78.7	68.8	10.6	10.2	0.009109
18:00	11.9	11.6	12.7	13.5	87.2	75.3	10.6	10.3	0.00902
19:00	11.8	11.8	12.3	13.6	90.6	81.1	10.5	10.4	0.008916
20:00	11.7	11.8	12.3	13.6	91.9	85.8	10.5	10.5	0.008904
21:00	11.8	11.7	12.4	13.5	90.5	85.1	10.5	10.4	0.008948
22:00	12.1	11.9	12.7	13.5	90.4	85.2	10.7	10.5	0.009125
23:00	12.8	12.6	13.1	13.5	94.3	90.1	11.2	11.0	0.009557
Avg	11.7	11.7	12.5	12.8	87.3	85.6	10.4	10.4	0.0089
Max	12.9	13.3	14.3	13.6	97.4	99.2	11.3	11.5	0.009674
Hr. of Max	01	01	14	20	03	08	01	01	01
Min	9.3	10.2	9.6	12.0	60.7	61.5	9.0	9.5	0.007579
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)

11/29/2016

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	0.009243	14.3	14.3	.03	28.76	974.0	-2.1	.00	230.6
01:00	0.009899	14.9	15.3	.24	28.80	975.2	-1.7	.00	249.9
02:00	0.009741	14.7	15.0	.02	28.81	975.8	-2.6	.00	198.3
03:00	0.009422	14.4	14.6	.03	28.82	975.9	-2.0	.00	200.8
04:00	0.009077	13.9	14.0	.04	28.84	976.8	-2.8	.00	177.7
05:00	0.008467	12.9	13.1	.06	28.83	976.3	-2.2	.00	150.6
06:00	0.008225	12.5	12.8	.00	28.86	977.3	-1.5	.00	228.1
07:00	0.008127	12.0	12.6	.01	28.87	977.6	3.0	.00	294.0
08:00	0.008003	11.8	12.4	.00	28.88	978.0	43.9	.06	213.2
09:00	0.008619	13.6	13.4	.00	28.89	978.4	204.4	.29	254.6
10:00	0.008782	13.8	13.6	.00	28.91	978.9	212.0	.30	231.5
11:00	0.008998	14.1	14.0	.00	28.91	979.2	254.9	.37	232.8
12:00	0.009089	14.3	14.1	.00	28.91	979.1	328.6	.47	227.5
13:00	0.00901	14.2	14.0	.00	28.91	978.9	472.7	.68	230.6
14:00	0.008869	13.9	13.8	.00	28.90	978.7	444.7	.64	262.6
15:00	0.008722	13.7	13.5	.00	28.90	978.8	297.9	.43	281.2
16:00	0.008502	13.6	13.2	.00	28.92	979.3	97.0	.14	252.1
17:00	0.008805	14.1	13.7	.00	28.93	979.6	2.0	.00	135.8
18:00	0.008857	14.0	13.8	.00	28.93	979.7	-2.4	.00	66.8
19:00	0.008917	13.8	13.8	.00	28.93	979.6	-2.7	.00	70.3
20:00	0.008955	13.8	13.9	.00	28.93	979.6	-2.5	.00	83.6
21:00	0.008903	13.9	13.8	.00	28.90	978.8	-2.7	.00	66.9
22:00	0.009028	14.1	14.0	.00	28.87	977.7	-2.5	.00	71.9
23:00	0.009433	14.8	14.6	.23	28.84	976.6	-1.9	.00	51.3
Avg	0.008904	13.8	13.8	.03	28.88	977.9	97.1	.14	213.0
Max	0.009899	14.9	15.3	.24	28.93	979.7	472.7	.68	294.0
Hr. of Max	01	01	01	01	20	18	13	13	07
Min	0.008003	11.8	12.4	.00	28.76	974.0	-2.8	.00	51.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/29/2016

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	233.8	227.5	232.1	222.9	23.7	17.0	13.9	5.5	8.6
01:00	258.9	259.3	251.2	254.3	21.3	15.6	14.2	6.2	9.0
02:00	224.4	217.9	229.9	213.6	36.5	12.7	10.5	1.3	3.5
03:00	208.8	203.2	213.4	198.4	25.8	14.1	10.1	2.3	4.4
04:00	190.0	188.3	182.6	183.2	28.7	19.8	15.6	3.2	4.8
05:00	161.5	161.3	155.1	156.0	44.3	41.4	34.1	2.8	4.1
06:00	231.2	214.2	245.9	209.5	55.2	22.8	16.4	1.6	3.1
07:00	271.8	261.0	272.4	256.6	65.0	22.0	13.8	.5	2.2
08:00	259.6	266.3	231.4	261.6	50.7	16.6	7.9	1.2	2.4
09:00	264.2	260.8	255.6	255.8	30.7	16.9	14.7	3.1	4.7
10:00	238.5	235.7	231.6	231.3	20.0	15.1	11.9	7.0	9.3
11:00	238.3	236.8	234.1	232.6	22.2	15.8	13.4	6.5	9.1
12:00	236.3	238.1	227.6	233.1	21.4	16.4	15.9	6.8	8.7
13:00	235.5	233.0	231.1	228.5	22.9	18.5	14.4	6.3	8.2
14:00	271.0	267.3	259.1	260.9	32.4	23.3	21.6	3.4	4.5
15:00	296.0	294.7	278.7	286.9	34.7	26.3	20.0	3.0	3.8
16:00	273.2	277.0	257.5	271.1	49.4	18.9	16.2	1.8	3.0
17:00	220.5	236.8	240.0	230.9	34.3	24.0	24.0	.3	1.4
18:00	50.7	118.4	33.1	101.6	40.4	48.3	22.2	.6	.9
19:00	48.5	53.1	50.8	42.8	22.9	21.7	14.1	.7	1.9
20:00	65.6	45.4	77.7	34.8	12.1	7.7	11.8	1.0	2.8
21:00	59.0	57.0	57.7	47.6	14.7	8.6	3.9	1.5	3.8
22:00	63.8	60.6	65.1	51.1	16.8	10.9	5.3	2.2	4.6
23:00	36.7	28.5	36.4	16.6	46.1	24.1	16.3	2.1	4.4
Avg	244.0	238.0	238.0	236.0	32.2	19.9	15.1	.0	.0
Max	296.0	294.7	278.7	286.9	65.0	48.3	34.1	7.0	9.3
Hr. of Max	15	15	15	15	07	18	05	10	10
Min	36.7	28.5	33.1	16.6	12.1	7.7	3.9	.3	.9
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)

11/29/2016

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	11.5	6.2	9.2	12.1	6.7	12.8	.7	.2	-.13
01:00	11.4	6.8	9.6	12.1	7.2	12.5	-.3	.5	-.29
02:00	5.1	1.6	3.7	5.3	2.1	5.5	.9	.0	-.01
03:00	6.6	2.5	4.8	7.0	3.0	7.2	2.5	1.4	.03
04:00	6.6	3.8	5.4	7.2	4.2	7.4	1.5	.0	-.02
05:00	5.6	3.8	4.9	6.4	4.5	6.9	-.4	-1.0	-.13
06:00	4.3	2.2	3.5	4.6	2.5	4.7	.1	-1.0	.00
07:00	3.5	1.0	2.5	3.6	1.4	3.7	2.0	2.2	.03
08:00	4.4	1.6	2.7	4.5	2.1	4.6	2.4	2.1	.05
09:00	6.1	3.4	5.0	6.4	3.9	6.8	.3	.6	-.12
10:00	11.2	7.4	9.6	11.4	8.1	12.1	.3	.4	-.19
11:00	10.5	6.9	9.4	10.8	7.6	11.5	.7	-.2	-.12
12:00	9.9	7.2	9.0	10.3	7.9	11.0	.8	.8	-.07
13:00	9.8	6.8	8.6	10.2	7.5	10.9	.2	.3	-.17
14:00	5.1	4.4	5.6	6.4	5.0	7.0	1.4	-1.6	-.12
15:00	4.7	3.4	4.2	4.9	3.8	5.2	-.8	-1.1	-.22
16:00	3.8	2.1	3.2	4.0	2.5	4.2	1.1	-1.6	-.06
17:00	1.7	.9	1.8	2.1	1.4	2.3	1.8	.5	.03
18:00	.6	.8	1.3	1.3	1.1	1.7	2.8	2.0	.05
19:00	2.8	1.0	2.0	3.0	1.3	3.2	.5	1.8	.00
20:00	2.8	1.0	2.8	2.9	1.3	3.1	2.4	1.6	.06
21:00	6.3	1.6	3.9	6.4	1.9	6.6	-1.6	-.3	-.09
22:00	7.5	2.3	4.7	7.6	2.5	7.8	-1.5	-1.2	-.10
23:00	6.3	2.8	5.1	7.3	3.1	8.6	-2.6	-.9	-.27
Avg	.0	3.4	5.1	6.6	3.9	7.0	.6	.2	-.08
Max	11.5	7.4	9.6	12.1	8.1	12.8	2.8	2.2	.06
Hr. of Max	00	10	10	01	10	00	18	07	20
Min	.6	.8	1.3	1.3	1.1	1.7	-2.6	-1.6	-.29
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

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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	-.08	17.4	21.3	26.8	14.3	8.0	15.8	15.6
01:00	-.11	15.8	18.8	25.4	14.7	9.6	14.9	14.5
02:00	-.03	7.6	14.7	17.6	12.7	5.9	14.7	14.5
03:00	.16	8.0	11.2	11.9	14.7	6.6	14.3	14.1
04:00	-.07	9.6	12.8	13.3	14.6	9.4	13.6	13.2
05:00	-.47	11.2	13.7	19.5	21.7	20.1	12.9	12.4
06:00	-.10	12.6	21.5	18.8	13.6	8.7	12.3	12.0
07:00	.16	4.1	5.5	6.6	13.1	5.2	11.6	11.8
08:00	.16	4.4	6.0	8.7	11.4	5.2	11.2	11.7
09:00	-.04	10.3	10.1	15.8	16.7	10.6	12.9	12.2
10:00	-.13	15.3	18.1	19.7	14.0	10.1	13.5	12.8
11:00	-.19	23.8	25.9	25.6	14.6	9.8	14.7	13.9
12:00	-.03	16.7	22.2	20.8	15.2	12.1	15.9	15.1
13:00	-.11	18.5	16.7	19.7	15.5	11.9	17.8	17.0
14:00	-.47	19.2	19.9	18.5	20.9	18.6	19.3	18.4
15:00	-.40	9.4	9.8	10.8	20.6	20.1	19.8	19.1
16:00	-.20	7.3	7.3	8.7	16.3	12.1	19.5	19.0
17:00	.02	2.5	3.7	5.7	7.8	7.0	18.3	18.5
18:00	.07	3.2	3.4	3.9	10.0	11.4	17.0	17.9
19:00	.07	3.7	4.8	5.7	10.5	10.4	16.0	17.3
20:00	.07	3.0	4.8	6.9	9.1	4.6	15.2	16.9
21:00	-.05	4.8	8.7	12.8	9.6	2.4	15.2	16.3
22:00	-.18	5.5	8.7	12.8	10.8	3.3	15.4	15.8
23:00	.34	10.1	11.9	17.6	20.8	9.3	15.2	15.6
Avg	-.07	10.2	12.6	14.7	14.3	9.7	15.3	15.2
Max	.34	23.8	25.9	26.8	21.7	20.1	19.8	19.1
Hr. of Max	23	11	11	00	05	15	15	15
Min	-.47	2.5	3.4	3.9	7.8	2.4	11.2	11.7
Count	24	24	24	24	24	24	24	24
Total								