Date Printed: 08/21/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/20/2016

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	20.7	21.2	21.4	21.6	.47	.64	.81	.17	.34
01:00	20.9	21.2	21.3	21.4	.35	.40	.58	.05	.23
02:00	21.1	21.3	21.3	21.5	.21	.23	.46	.03	.26
03:00	21.4	21.6	21.7	21.7	.23	.24	.31	.01	.08
04:00	21.6	21.8	21.7	21.8	.12	.09	.18	-.03	.07
05:00	21.7	21.9	21.9	21.9	.16	.12	.20	-.04	.04
06:00	21.9	21.9	21.9	21.9	.04	-.04	.02	-.08	-.02
07:00	22.2	22.1	22.0	22.0	-.12	-.23	-.16	-.11	-.04
08:00	22.6	22.4	22.3	22.3	-.16	-.33	-.31	-.17	-.15
09:00	23.3	23.1	22.9	22.8	-.23	-.46	-.52	-.23	-.29
10:00	24.5	24.1	23.8	23.7	-.38	-.68	-.77	-.30	-.38
11:00	26.0	25.4	25.1	25.0	-.62	-.96	-1.05	-.34	-.43
12:00	27.5	26.5	26.1	26.0	-.98	-1.37	-1.50	-.39	-.52
13:00	27.6	27.0	26.7	26.6	-.60	-.91	-1.02	-.31	-.42
14:00	25.2	25.0	24.9	25.0	-.26	-.32	-.20	-.05	.06
15:00	24.9	24.6	24.3	24.3	-.37	-.61	-.69	-.24	-.32
16:00	26.5	25.9	25.6	25.5	-.61	-.91	-1.01	-.30	-.40
17:00	27.4	27.3	27.1	27.0	-.17	-.34	-.42	-.17	-.25
18:00	25.8	25.7	25.7	25.9	-.11	-.12	.14	.00	.26
19:00	25.4	25.4	25.4	25.5	-.05	-.06	.09	-.01	.14
20:00	23.8	24.0	24.1	24.4	.12	.25	.56	.12	.44
21:00	23.2	23.3	23.4	23.6	.10	.19	.40	.09	.30
22:00	22.8	23.0	23.0	23.4	.14	.20	.54	.06	.40
23:00	22.7	22.9	23.1	23.4	.18	.35	.71	.17	.53
Avg	23.8	23.7	23.6	23.7	-.11	-.19	-.11	-.09	.00
Max	27.6	27.3	27.1	27.0	.47	.64	.81	.17	.53
Hr. of Max	13	17	17	17	00	00	00	23	23
Min	20.7	21.2	21.3	21.4	-.98	-1.37	-1.50	-.39	-.52
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/20/2016

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	19.6	20.6	20.0	26.1	95.6	99.0	16.9	18.0	0.014822
01:00	19.8	20.7	20.2	26.0	96.0	99.3	17.1	18.0	0.014987
02:00	20.0	20.7	20.4	25.9	96.1	99.0	17.3	18.0	0.015193
03:00	20.4	20.6	20.7	25.8	96.2	96.0	17.7	17.9	0.015547
04:00	20.5	20.5	20.9	25.7	95.3	95.1	17.7	17.8	0.015633
05:00	20.6	20.6	21.0	25.6	95.5	94.8	17.9	17.9	0.015759
06:00	20.7	20.7	21.1	25.5	95.0	95.3	17.9	18.0	0.015838
07:00	20.8	20.9	21.3	25.5	94.2	95.8	18.1	18.2	0.015969
08:00	20.9	21.0	21.5	25.4	92.5	94.3	18.2	18.3	0.016075
09:00	21.1	21.1	21.9	25.4	89.7	90.8	18.4	18.4	0.016306
10:00	21.2	21.0	22.3	25.4	84.4	85.1	18.4	18.2	0.016427
11:00	20.9	20.4	22.6	25.4	75.5	75.9	18.0	17.5	0.016147
12:00	21.0	20.2	23.1	25.5	69.6	70.4	18.0	17.3	0.016213
13:00	20.8	20.3	23.1	25.8	68.6	68.8	17.9	17.3	0.016114
14:00	22.5	22.1	23.4	26.0	87.4	86.8	19.9	19.5	0.017843
15:00	22.3	22.3	23.2	26.2	88.0	90.0	19.7	19.7	0.017677
16:00	22.1	21.9	23.6	26.3	78.9	80.7	19.3	19.1	0.01742
17:00	22.2	21.7	23.9	26.4	75.5	73.8	19.4	18.8	0.017545
18:00	23.5	23.2	24.2	26.5	89.8	89.3	21.0	20.7	0.018963
19:00	23.1	23.1	23.9	26.6	89.9	90.0	20.7	20.6	0.0186
20:00	21.8	21.8	22.5	26.6	90.9	90.0	19.1	19.1	0.017071
21:00	21.6	21.7	22.2	26.6	93.4	92.9	19.0	19.0	0.016889
22:00	21.6	21.8	22.0	26.5	95.3	95.4	18.9	19.1	0.016836
23:00	21.4	21.9	21.9	26.4	95.1	96.5	18.8	19.2	0.016668
Avg	21.3	21.3	22.1	26.0	88.7	89.4	18.6	18.6	0.016523
Max	23.5	23.2	24.2	26.6	96.2	99.3	21.0	20.7	0.018963
Hr. of Max	18	18	18	21	03	01	18	18	18
Min	19.6	20.2	20.0	25.4	68.6	68.8	16.9	17.3	0.014822
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)

8/20/2016

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	0.015802	22.9	24.4	.00	29.07	984.5	-2.4	.00	267.3
01:00	0.015837	23.2	24.4	.00	29.07	984.6	-2.0	.00	253.2
02:00	0.015855	23.5	24.5	.00	29.07	984.3	-2.4	.00	287.2
03:00	0.015744	24.0	24.3	.00	29.06	984.0	-2.0	.00	263.6
04:00	0.015712	24.1	24.2	.00	29.04	983.6	-2.2	.00	251.8
05:00	0.015805	24.3	24.4	.00	29.04	983.4	-2.3	.00	278.6
06:00	0.015918	24.4	24.5	.00	29.04	983.5	-2.1	.00	250.5
07:00	0.016129	24.6	24.9	.00	29.05	983.7	26.0	.04	244.5
08:00	0.016228	24.8	25.0	.00	29.05	983.7	46.0	.07	237.2
09:00	0.016285	25.1	25.1	.00	29.04	983.5	139.5	.20	226.0
10:00	0.016178	25.3	24.9	.00	29.04	983.4	308.6	.44	227.9
11:00	0.015628	24.9	24.1	.00	29.03	983.1	564.0	.81	211.4
12:00	0.01548	25.0	23.9	.00	29.01	982.5	839.1	1.20	207.8
13:00	0.015595	24.8	24.0	.00	28.99	981.8	440.6	.63	199.1
14:00	0.017448	27.4	26.8	.00	28.98	981.4	158.8	.23	310.9
15:00	0.017671	27.1	27.1	.00	28.96	980.7	201.9	.29	2.9
16:00	0.0172	26.7	26.4	.00	28.94	980.2	572.4	.82	12.7
17:00	0.017004	26.9	26.1	.00	28.93	979.7	210.2	.30	257.0
18:00	0.018711	29.0	28.6	.01	28.93	979.8	78.6	.11	277.4
19:00	0.018577	28.5	28.4	.01	28.94	980.1	27.4	.04	247.1
20:00	0.017037	26.2	26.1	.00	28.96	980.6	-1.2	.00	239.1
21:00	0.016907	25.9	26.0	.00	28.97	981.2	-2.0	.00	251.8
22:00	0.017002	25.9	26.1	.00	28.99	981.8	-2.1	.00	245.4
23:00	0.017112	25.6	26.3	.00	28.99	981.6	-2.6	.00	244.0
Avg	0.016536	25.4	25.4	.00	29.01	982.4	149.6	.22	254.0
Max	0.018711	29.0	28.6	.01	29.07	984.6	839.1	1.20	310.9
Hr. of Max	18	18	18	19	02	01	12	12	14
Min	0.01548	22.9	23.9	.00	28.93	979.7	-2.6	.00	2.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/20/2016

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	244.3	225.5	267.9	221.2	22.1	7.2	5.9	1.0	1.9
01:00	234.9	212.7	257.9	209.9	28.8	7.2	6.4	1.0	1.9
02:00	235.1	189.8	283.7	187.4	11.9	10.6	9.5	.8	1.2
03:00	221.7	197.6	265.8	192.1	17.4	15.1	10.5	1.3	2.2
04:00	218.6	198.2	255.4	192.5	15.8	11.8	7.1	1.4	2.4
05:00	229.9	197.2	279.9	193.2	16.6	15.1	9.5	.9	1.3
06:00	223.0	197.4	254.8	191.8	16.7	15.6	9.0	1.5	2.4
07:00	235.8	217.2	248.6	211.2	17.4	14.1	9.2	1.7	2.9
08:00	231.2	220.4	241.4	214.7	22.1	15.0	9.9	1.5	2.8
09:00	227.8	222.8	231.6	216.6	23.8	16.7	12.5	3.1	4.5
10:00	230.1	224.4	234.1	218.2	24.6	16.9	13.4	3.9	5.6
11:00	221.6	219.5	218.7	212.7	31.0	22.9	17.9	4.9	6.8
12:00	209.6	207.9	213.4	201.4	27.8	21.2	19.6	4.3	5.7
13:00	208.0	207.0	205.4	201.0	28.3	22.6	21.0	4.4	6.1
14:00	303.3	289.4	309.6	280.0	27.9	19.4	13.5	1.9	3.1
15:00	358.9	353.0	1.6	338.6	32.0	21.9	16.6	3.5	6.2
16:00	4.2	354.4	11.3	340.0	39.0	31.8	29.5	2.3	3.0
17:00	256.5	215.6	259.1	249.6	53.8	40.6	55.7	.6	.7
18:00	292.1	280.2	274.5	275.3	34.5	29.0	52.1	1.1	2.0
19:00	247.0	236.9	251.8	230.6	27.6	16.5	10.2	2.9	5.4
20:00	237.2	233.8	243.2	227.4	19.7	9.2	5.7	2.6	5.4
21:00	246.4	233.7	254.7	227.4	21.2	9.0	5.5	1.5	3.4
22:00	237.3	217.6	249.2	211.6	15.3	7.9	4.7	1.6	3.4
23:00	232.8	215.5	248.8	209.5	14.2	7.7	6.1	2.7	5.0
Avg	241.0	224.0	257.0	221.0	24.6	16.9	15.0	.0	.0
Max	358.9	354.4	309.6	340.0	53.8	40.6	55.7	4.9	6.8
Hr. of Max	15	16	14	16	17	17	17	11	11
Min	4.2	189.8	1.6	187.4	11.9	7.2	4.7	.6	.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/20/2016

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	2.9	1.1	2.0	2.9	1.4	3.1	-.1	-.4	-.01
01:00	2.2	1.0	1.9	2.2	1.3	2.4	-1.0	-1.0	-.05
02:00	2.6	.9	1.3	2.6	1.2	2.8	.3	-1.1	-.02
03:00	3.3	1.4	2.3	3.4	1.7	3.6	-4.9	-4.5	-.16
04:00	3.9	1.5	2.5	4.0	1.9	4.2	-3.4	-2.0	-.11
05:00	2.6	1.0	1.4	2.7	1.2	2.9	-4.4	-2.7	-.10
06:00	3.7	1.5	2.5	3.7	1.9	4.0	-3.7	-1.5	-.14
07:00	4.4	1.8	3.0	4.5	2.1	4.9	-.1	-.8	-.06
08:00	4.2	1.6	2.9	4.3	2.1	4.6	.6	-1.4	-.05
09:00	5.5	3.3	4.6	5.6	3.8	6.0	1.1	-.6	-.07
10:00	6.3	4.2	5.8	6.5	4.7	7.0	1.9	.2	-.05
11:00	7.8	5.7	7.3	8.2	6.3	8.7	-.1	-1.3	-.17
12:00	6.5	5.0	6.3	6.9	5.5	7.5	1.7	-.1	-.03
13:00	7.3	5.0	6.6	7.7	5.5	8.2	1.7	-.3	.01
14:00	4.2	2.3	3.8	5.2	2.6	5.4	-3.7	-.8	-.25
15:00	7.8	4.1	6.6	8.1	4.6	8.7	-2.3	-.4	-.46
16:00	2.9	2.8	3.3	3.3	3.2	3.8	-7.8	-1.9	-.53
17:00	.6	1.1	1.2	1.2	1.6	1.7	1.3	-1.9	-.02
18:00	2.9	1.7	2.5	3.5	2.0	3.6	1.5	1.9	-.04
19:00	7.5	3.2	5.6	7.7	3.7	8.1	-.1	-.1	-.16
20:00	8.1	2.7	5.5	8.2	3.0	8.6	-1.0	.3	-.11
21:00	5.2	1.6	3.5	5.2	1.9	5.5	.1	.5	-.03
22:00	5.4	1.7	3.5	5.4	2.1	5.7	-2.4	-.5	-.12
23:00	6.8	2.8	5.1	6.8	3.2	7.2	-3.3	-1.2	-.22
Avg	.0	2.5	3.8	5.0	2.9	5.3	-1.2	-.9	-.12
Max	8.1	5.7	7.3	8.2	6.3	8.7	1.9	1.9	.01
Hr. of Max	20	11	11	20	11	15	10	18	13
Min	.6	.9	1.2	1.2	1.2	1.7	-7.8	-4.5	-.53
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/20/2016

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	-.02	4.4	6.4	8.9	4.8	2.0	22.8	22.9
01:00	-.04	3.7	4.8	6.6	6.5	2.3	22.8	22.8
02:00	-.07	2.7	4.4	5.7	8.1	5.7	22.8	22.8
03:00	-.30	3.0	4.6	6.6	9.3	7.5	23.2	23.0
04:00	-.16	3.2	4.6	6.4	8.0	4.8	23.4	23.1
05:00	-.14	2.1	4.6	7.3	9.0	6.3	23.5	23.3
06:00	-.11	3.7	5.0	6.4	8.6	6.4	23.6	23.3
07:00	-.09	4.8	7.3	10.8	14.4	6.3	23.7	23.4
08:00	-.14	3.9	5.5	9.8	16.3	6.8	24.1	23.6
09:00	-.18	8.5	10.3	10.3	16.9	10.7	24.8	24.1
10:00	-.12	9.2	11.0	11.7	18.5	11.8	25.7	24.9
11:00	-.37	14.0	14.9	14.7	16.7	13.2	26.8	26.0
12:00	-.14	14.9	13.5	22.7	20.3	17.2	27.8	26.9
13:00	-.17	12.6	13.7	15.6	19.1	14.8	28.4	27.7
14:00	-.13	8.0	10.3	16.9	18.3	8.0	26.9	26.5
15:00	-.15	11.2	13.1	13.1	21.5	10.5	26.5	25.8
16:00	-.23	9.4	10.1	9.8	22.7	24.6	27.8	27.1
17:00	-.09	5.3	5.0	5.3	25.7	26.2	29.0	28.4
18:00	.03	6.9	8.2	10.1	16.7	11.5	27.7	27.5
19:00	-.09	14.2	17.4	20.8	14.0	4.5	27.4	27.1
20:00	.02	17.2	25.9	27.2	12.6	3.3	25.7	25.8
21:00	.04	5.0	8.2	13.7	10.2	3.8	25.1	25.0
22:00	-.05	3.4	5.5	9.4	6.3	2.3	24.7	24.8
23:00	-.16	5.7	8.9	12.6	8.0	2.7	24.6	24.9
Avg	-.12	7.4	9.3	11.8	13.9	8.9	25.4	25.0
Max	.04	17.2	25.9	27.2	25.7	26.2	29.0	28.4
Hr. of Max	21	20	20	20	17	17	17	17
Min	-.37	2.1	4.4	5.3	4.8	2.0	22.8	22.8
Count	24	24	24	24	24	24	24	24
Total								