Date Printed: 08/03/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/2/2016

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	24.1	25.2	25.3	25.5	1.08	1.26	1.39	.18	.31
01:00	23.0	23.9	24.7	24.9	.83	1.70	1.89	.87	1.06
02:00	22.7	23.3	23.7	24.2	.60	1.04	1.53	.44	.93
03:00	23.0	23.1	23.2	23.4	.08	.18	.39	.10	.31
04:00	23.1	23.2	23.5	23.9	.18	.41	.87	.23	.70
05:00	22.9	23.1	23.3	23.6	.14	.38	.65	.24	.51
06:00	22.5	22.8	22.9	23.1	.31	.44	.60	.13	.29
07:00	22.8	22.9	23.0	23.1	.03	.13	.26	.10	.23
08:00	24.2	23.9	23.6	23.6	-.33	-.58	-.64	-.25	-.31
09:00	25.9	25.3	24.9	24.8	-.61	-.94	-1.06	-.33	-.45
10:00	27.8	26.7	26.3	26.2	-1.10	-1.50	-1.61	-.40	-.51
11:00	28.8	27.8	27.4	27.3	-1.03	-1.39	-1.52	-.36	-.49
12:00	29.8	28.6	28.2	28.1	-1.20	-1.57	-1.68	-.37	-.48
13:00	29.0	28.1	27.8	27.8	-.92	-1.19	-1.26	-.27	-.34
14:00	27.2	26.3	26.1	26.1	-.93	-1.15	-1.11	-.22	-.18
15:00	31.1	29.8	29.5	29.3	-1.24	-1.59	-1.74	-.35	-.50
16:00	32.1	31.1	30.8	30.6	-1.01	-1.33	-1.44	-.32	-.43
17:00	31.9	31.0	30.7	30.6	-.92	-1.22	-1.39	-.30	-.47
18:00	31.2	30.5	30.2	30.0	-.75	-1.07	-1.19	-.32	-.44
19:00	29.2	29.8	29.7	29.7	.54	.44	.49	-.10	-.05
20:00	26.0	27.8	29.0	29.3	1.83	2.99	3.30	1.17	1.47
21:00	24.3	25.8	26.8	27.6	1.52	2.54	3.32	1.02	1.81
22:00	23.3	24.8	25.3	25.8	1.51	1.99	2.54	.48	1.03
23:00	22.3	23.3	24.2	24.7	1.00	1.83	2.33	.83	1.33
Avg	26.2	26.2	26.3	26.4	-.02	.08	.21	.09	.22
Max	32.1	31.1	30.8	30.6	1.83	2.99	3.32	1.17	1.81
Hr. of Max	16	16	16	17	20	20	21	20	21
Min	22.3	22.8	22.9	23.1	-1.24	-1.59	-1.74	-.40	-.51
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)

8/2/2016

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	21.1	20.9	22.1	29.0	85.6	79.3	18.3	18.0	0.016211
01:00	20.7	20.8	21.5	28.7	89.3	85.1	18.0	17.9	0.015873
02:00	20.7	21.0	21.4	28.5	91.1	89.3	18.0	18.2	0.015847
03:00	21.0	21.3	21.7	28.3	90.9	92.0	18.3	18.6	0.016166
04:00	21.2	21.5	21.8	28.1	91.8	92.3	18.5	18.8	0.016356
05:00	21.2	21.5	21.8	27.9	92.2	93.5	18.4	18.8	0.016301
06:00	20.9	21.6	21.5	27.7	93.5	95.6	18.2	19.0	0.01607
07:00	21.1	21.5	21.7	27.5	92.6	94.8	18.4	18.9	0.016266
08:00	21.1	21.0	22.2	27.4	85.3	86.2	18.4	18.2	0.016282
09:00	21.2	20.8	22.7	27.3	77.4	78.3	18.3	17.9	0.016299
10:00	20.7	20.1		27.3	67.2	69.1	17.7	17.1	0.015862
11:00	20.6	20.1	23.3	27.5	63.0	65.0	17.5	17.1	0.015754
12:00	20.7	20.2	23.7	27.8	60.0	62.5	17.6	17.2	0.015854
13:00	20.6	20.4	23.4	28.3	63.5	65.7	17.6	17.4	0.015864
14:00	22.1	21.6	23.8	28.8	76.8	78.1	19.4	18.8	0.017384
15:00	21.6	21.2	24.8	29.0	59.3	61.8	18.6	18.1	0.016909
16:00	19.7	19.2	23.8	29.2	49.5	51.0	16.5	16.1	0.014991
17:00	19.3	19.0	23.5	29.5	48.8	50.3	16.1	15.8	0.014676
18:00	19.6	19.5	23.5	29.6	51.6	53.5	16.4	16.3	0.014893
19:00	19.5	19.3	22.8	29.7	58.0	55.0	16.4	16.1	0.01483
20:00	20.7	20.0	22.5	29.7	74.9	64.4	17.8	16.9	0.015885
21:00	20.8	20.4	21.9	29.5	83.0	74.2	17.9	17.5	0.015933
22:00	20.3	20.2	21.3	29.3	85.6	77.8	17.5	17.3	0.015492
23:00	19.9	20.2	20.7	29.0	88.4	84.6	17.1	17.3	0.015077
Avg	20.7	20.6	22.5	28.5	75.8	75.0	17.8	17.6	0.015878
Max	22.1	21.6	24.8	29.7	93.5	95.6	19.4	19.0	0.017384
Hr. of Max	14	14	15	20	06	06	14	06	14
Min	19.3	19.0	20.7	27.3	48.8	50.3	16.1	15.8	0.014676
Count	24	24	23	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/2/2016

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	0.01603	25.1	24.8	.00	29.16	987.4	-2.0	.00	15.7
01:00	0.01589	24.6	24.6	.00	29.15	987.2	-2.1	.00	304.5
02:00	0.016108	24.5	24.9	.00	29.14	986.9	-2.4	.00	271.3
03:00	0.016453	25.0	25.4	.00	29.15	987.1	-2.3	.00	248.3
04:00	0.016625	25.3	25.7	.00	29.15	987.0	-2.4	.00	282.3
05:00	0.01666	25.2	25.7	.00	29.15	987.1	-2.4	.00	251.0
06:00	0.016752	24.9	25.9	.00	29.15	987.2	-1.0	.00	261.9
07:00	0.016672	25.2	25.8	.00	29.16	987.4	76.1	.11	248.2
08:00	0.016133	25.2	25.0	.00	29.17	987.7	160.1	.23	234.6
09:00	0.01591	25.2	24.6	.00	29.18	988.0	423.6	.61	208.3
10:00	0.015288	24.6	23.7	.00	29.17	987.9	690.3	.99	229.1
11:00	0.015305	24.4	23.7	.00	29.18	988.1	699.2	1.00	227.7
12:00	0.01541	24.6	23.9	.00	29.18	988.1	847.4	1.21	214.2
13:00	0.015593	24.6	24.1	.02	29.16	987.5	481.0	.69	244.9
14:00	0.016773	26.8	25.9	.00	29.14	986.8	801.2	1.15	219.6
15:00	0.016408	26.1	25.3	.00	29.12	986.0	917.1	1.31	214.2
16:00	0.014572	23.2	22.6	.00	29.10	985.3	601.8	.86	278.4
17:00	0.014341	22.7	22.2	.00	29.08	984.9	385.1	.55	294.2
18:00	0.014796	23.0	22.9	.00	29.08	984.8	296.4	.42	316.6
19:00	0.014585	22.9	22.6	.00	29.08	984.9	150.8	.22	322.9
20:00	0.015215	24.5	23.5	.00	29.09	985.1	10.3	.01	332.0
21:00	0.015584	24.6	24.1	.00	29.10	985.6	-2.0	.00	335.0
22:00	0.015405	24.0	23.8	.00	29.12	986.1	-2.3	.00	342.3
23:00	0.015322	23.3	23.7	.00	29.12	986.3	-2.2	.00	276.3
Avg	0.015743	24.6	24.4	.00	29.14	986.7	271.6	.39	269.0
Max	0.016773	26.8	25.9	.02	29.18	988.1	917.1	1.31	342.3
Hr. of Max	14	14	14	13	12	12	15	15	22
Min	0.014341	22.7	22.2	.00	29.08	984.8	-2.4	.00	15.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/2/2016

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	50.2	57.6	15.7	44.0	17.2	10.6	6.8	1.5	2.7
01:00	3.9	47.0	299.7	16.7	23.1	41.2	16.2	.7	.7
02:00	47.6	78.9	249.8	54.0	56.5	44.4	22.3	.4	.6
03:00	236.7	246.5	250.6	241.5	48.3	37.1	29.1	2.1	3.1
04:00	11.0	16.7	270.1	322.5	37.4	53.3	55.5	.5	.4
05:00	221.6	194.2	257.3	195.5	31.0	35.2	20.5	1.9	2.6
06:00	234.3	203.4	264.6	200.4	16.1	16.6	11.9	1.9	2.9
07:00	239.1	211.9	252.6	210.7	34.1	12.5	18.6	1.7	3.0
08:00	238.0	234.3	239.2	229.0	25.6	16.0	11.0	2.7	4.0
09:00	220.9	216.8	214.8	212.3	29.4	22.5	17.7	3.4	4.4
10:00	234.8	231.6	235.2	226.0	23.4	18.6	14.6	4.6	6.0
11:00	234.2	232.0	233.2	225.6	34.5	26.3	23.9	4.1	5.2
12:00	224.5	225.7	219.9	219.7	26.0	21.8	19.5	4.5	5.5
13:00	253.6	253.9	251.9	247.3	32.6	26.6	24.4	4.0	5.7
14:00	222.0	212.1	226.9	207.2	24.2	19.5	18.2	3.1	3.8
15:00	222.9	221.8	219.5	216.3	28.2	26.1	23.8	3.4	4.2
16:00	289.5	288.1	281.7	279.8	36.3	27.4	26.1	3.9	5.2
17:00	304.9	307.7	296.1	296.4	42.4	31.6	29.3	3.3	4.4
18:00	327.2	326.8	316.9	313.9	33.4	25.1	21.6	2.8	4.0
19:00	334.5	337.6	322.2	322.8	15.8	11.5	8.7	2.7	4.0
20:00	345.9	355.1	332.4	339.1	8.2	7.2	6.4	2.0	3.9
21:00	33.3	22.4	326.9	4.1	39.4	56.0	19.2	.6	1.7
22:00	60.1	75.6	341.8	61.8	24.3	15.6	8.5	.8	1.3
23:00	238.0	104.3	264.4	79.9	19.7	48.8	21.1	1.3	1.0
Avg	272.0	256.0	269.0	260.0	29.5	27.1	19.8	.0	.0
Max	345.9	355.1	341.8	339.1	56.5	56.0	55.5	4.6	6.0
Hr. of Max	20	20	22	20	02	21	04	10	10
Min	3.9	16.7	15.7	4.1	8.2	7.2	6.4	.4	.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)

8/2/2016

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	3.7	1.7	2.7	3.8	1.8	4.0	-2.4	-.2	-.11
01:00	1.2	1.2	1.3	1.3	1.4	1.7	2.0	2.6	.05
02:00	1.1	.6	.9	1.2	1.0	1.5	.8	1.8	.00
03:00	3.6	2.4	3.4	4.3	2.7	4.5	-.6	-.2	-.10
04:00	.4	.7	.6	.7	1.0	1.2	.8	3.2	.02
05:00	2.6	2.2	2.9	3.0	2.4	3.3	-3.5	-1.0	-.19
06:00	3.5	2.0	3.0	3.7	2.3	3.9	-3.8	-1.9	-.17
07:00	4.1	1.9	3.1	4.2	2.3	4.5	-2.3	-2.0	-.15
08:00	4.9	3.0	4.2	5.0	3.5	5.3	.6	-1.6	-.13
09:00	5.2	3.8	4.7	5.4	4.4	5.8	1.2	.4	-.09
10:00	6.7	5.0	6.3	6.9	5.6	7.5	-.5	-3.6	-.22
11:00	5.9	4.8	5.7	6.3	5.4	6.9	2.6	3.3	-.08
12:00	6.2	5.0	5.9	6.5	5.5	7.1	-1.5	-1.6	-.32
13:00	6.6	4.9	6.7	7.7	5.5	8.2	-2.2	-4.6	-.42
14:00	4.6	3.4	4.1	4.9	3.8	5.3	-.2	-3.2	-.12
15:00	4.7	4.0	4.8	5.2	4.5	5.8	1.0	.7	-.07
16:00	6.0	4.4	5.7	6.5	4.8	6.9	-2.6	-.5	-.43
17:00	5.1	4.1	5.2	6.0	4.6	6.6	-2.5	-3.7	-.52
18:00	4.9	3.2	4.4	5.3	3.6	5.6	-5.0	-5.4	-.49
19:00	5.3	2.8	4.1	5.4	3.1	5.7	-4.2	-1.4	-.34
20:00	4.9	2.0	4.0	5.0	2.2	5.2	-1.9	1.5	-.08
21:00	2.9	1.0	2.2	3.4	1.2	3.7	.9	4.1	.01
22:00	2.1	.9	1.4	2.2	1.1	2.4	.7	1.9	.00
23:00	.4	1.4	1.5	1.3	1.7	1.7	1.7	-.1	.02
Avg	.0	2.8	3.7	4.4	3.1	4.8	-.9	-.5	-.16
Max	6.7	5.0	6.7	7.7	5.6	8.2	2.6	4.1	.05
Hr. of Max	10	12	13	13	10	13	11	21	01
Min	.4	.6	.6	.7	1.0	1.2	-5.0	-5.4	-.52
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/2/2016

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	-.04	3.9	6.0	8.7	9.4	4.9	26.7	26.7
01:00	.05	3.0	3.7	5.3	6.6	9.4	25.4	26.2
02:00	.06	2.5	2.7	3.7	8.8	9.4	24.9	25.6
03:00	-.02	6.4	8.0	8.9	12.5	7.9	24.8	24.8
04:00	.06	2.5	2.3	3.0	9.9	15.3	24.9	25.4
05:00	-.05	5.0	6.2	6.2	8.4	5.7	24.8	25.0
06:00	-.11	5.3	6.2	6.9	6.8	5.1	24.5	24.6
07:00	-.14	4.8	6.4	8.0	10.0	6.1	24.6	24.4
08:00	-.19	8.0	8.9	9.8	16.5	8.5	25.5	24.8
09:00	-.22	11.2	11.4	12.4	19.9	16.8	26.8	25.9
10:00	-.56	10.5	13.1	11.7	18.4	13.0	28.0	27.0
11:00	.21	13.5	15.3	13.3	21.9	19.0	29.1	28.1
12:00	-.34	10.8	14.9	17.2	17.7	17.7	29.8	28.9
13:00	-.77	13.3	16.3	18.5	19.4	14.0	29.5	28.7
14:00	-.28	8.7	15.8	22.2	19.6	17.2	27.9	27.3
15:00	-.03	9.2	10.5	10.8	20.5	17.7	31.2	30.2
16:00	-.53	12.8	14.9	16.0	21.7	18.9	32.3	31.4
17:00	-.82	12.4	13.5	14.7	24.4	20.8	32.2	31.3
18:00	-.76	11.9	12.6	11.2	22.1	17.1	31.8	31.0
19:00	-.22	6.9	13.5	16.3	12.1	6.7	31.0	30.6
20:00	.14	4.1	5.7	7.3	4.8	2.5	28.9	30.2
21:00	.24	4.1	8.0	10.3	10.0	8.8	27.2	28.6
22:00	.09	3.9	4.4	6.2	8.4	5.4	26.2	27.0
23:00	.01	4.1	4.1	6.9	6.6	8.8	24.8	25.9
Avg	-.18	7.5	9.4	10.6	14.0	11.5	27.6	27.5
Max	.24	13.5	16.3	22.2	24.4	20.8	32.3	31.4
Hr. of Max	21	11	13	14	17	17	16	16
Min	-.82	2.5	2.3	3.0	4.8	2.5	24.5	24.4
Count	24	24	24	24	24	24	24	24
Total								