Date Printed: 05/31/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/30/2016

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	18.3	19.2	19.7	20.3	.87	1.39	1.95	.52	1.08
01:00	17.8	18.9	19.2	19.5	1.08	1.36	1.72	.29	.64
02:00	17.2	18.1	18.7	19.3	.86	1.44	2.04	.58	1.18
03:00	16.8	17.9	18.3	18.6	1.15	1.49	1.83	.35	.68
04:00	16.5	17.7	18.1	18.8	1.12	1.55	2.22	.43	1.10
05:00	16.3	17.6	18.1	18.5	1.27	1.79	2.19	.52	.93
06:00	16.5	17.3	17.8	18.3	.82	1.28	1.79	.46	.97
07:00	17.9	18.4	18.4	18.5	.41	.49	.58	.08	.17
08:00	20.2	19.8	19.6	19.5	-.37	-.59	-.70	-.22	-.33
09:00	22.6	22.1	21.8	21.7	-.52	-.77	-.91	-.25	-.39
10:00	24.8	24.1	23.8	23.7	-.67	-.93	-1.07	-.27	-.41
11:00	26.3	25.5	25.2	25.1	-.77	-1.05	-1.19	-.28	-.42
12:00	27.8	26.9	26.6	26.5	-.90	-1.22	-1.35	-.32	-.45
13:00	29.0	28.0	27.8	27.7	-.99	-1.26	-1.31	-.26	-.32
14:00	29.6	28.6	28.3	28.1	-1.02	-1.33	-1.46	-.31	-.44
15:00	29.1	28.3	27.9	27.8	-.81	-1.19	-1.33	-.38	-.52
16:00	29.9	29.1	28.7	28.6	-.79	-1.20	-1.32	-.41	-.53
17:00	29.9	29.3	29.0	28.8	-.57	-.93	-1.10	-.36	-.53
18:00	29.4	29.1	28.9	28.8	-.30	-.56	-.64	-.26	-.35
19:00	27.8	28.3	28.2	28.2	.50	.41	.42	-.09	-.08
20:00	25.1	26.1	26.2	26.3	1.02	1.12	1.24	.10	.21
21:00	22.3	24.1	24.8	25.2	1.72	2.45	2.86	.72	1.14
22:00	20.8	22.8	23.3	23.8	1.95	2.45	3.03	.50	1.07
23:00	19.7	21.6	21.9	22.4	1.94	2.18	2.72	.24	.78
Avg	23.0	23.3	23.3	23.5	.29	.35	.51	.06	.22
Max	29.9	29.3	29.0	28.8	1.95	2.45	3.03	.72	1.18
Hr. of Max	17	17	17	18	22	22	22	21	02
Min	16.3	17.3	17.8	18.3	-1.02	-1.33	-1.46	-.41	-.53
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)

5/30/2016

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	17.6	18.7	17.9	23.6	97.7	99.3	15.0	16.0	0.013013
01:00	17.1	18.4	17.4	23.4	97.7	99.3	14.6	15.8	0.012597
02:00	16.5	17.7	16.8	23.1	97.4	99.2	14.1	15.1	0.012122
03:00	16.1	17.5	16.3	22.9	97.5	99.2	13.7	14.9	0.011784
04:00	15.9	17.2	16.1	22.6	97.7	99.3	13.5	14.7	0.011627
05:00	15.6	17.1	15.9	22.4	97.7	99.3	13.3	14.6	0.01144
06:00	15.9	16.9	16.1	22.1	97.8	99.3	13.5	14.4	0.011598
07:00	17.3	17.9	17.5	21.9	97.8	99.3	14.7	15.3	0.012717
08:00	18.6	18.7	19.1	21.8	92.4	95.2	15.8	16.0	0.013819
09:00	18.8	18.1	20.1	21.6	81.2	80.3	16.0	15.3	0.014043
10:00	18.9	17.8	20.9	21.6	71.9	69.8	16.0	15.0	0.014194
11:00	18.8	17.5	21.3	21.8	65.1	62.8	15.8	14.6	0.014101
12:00	18.8	17.8	21.8	22.1	59.8	58.9	15.8	14.8	0.01416
13:00	17.4	16.3	21.3	22.7	51.1	50.2	14.5	13.5	0.012993
14:00	16.4	15.4	20.8	23.4	46.4	46.0	13.6	12.7	0.0122
15:00	15.0	13.9	19.7	23.8	43.5	42.3	12.4	11.5	0.011111
16:00	15.9	14.7	20.5	24.1	44.0	42.7	13.1	12.2	0.011776
17:00	15.6	14.6	20.4	24.5	43.3	41.8	12.9	12.1	0.011608
18:00	16.2	15.4	20.6	24.7	46.2	44.5	13.4	12.7	0.01203
19:00	16.8	15.2	20.4	24.8	52.6	46.2	13.9	12.6	0.012444
20:00	16.9	15.8	19.6	24.8	61.9	54.2	14.1	13.1	0.012497
21:00	17.2	16.0	18.9	24.7	74.5	62.3	14.5	13.4	0.012739
22:00	17.1	16.7	18.3	24.5	81.0	70.1	14.4	14.0	0.012602
23:00	17.0	16.9	17.9	24.2	86.1	76.1	14.4	14.2	0.012508
Avg	17.0	16.8	19.0	23.2	74.3	72.4	14.3	14.1	0.012572
Max	18.9	18.7	21.8	24.8	97.8	99.3	16.0	16.0	0.014194
Hr. of Max	10	08	12	20	07	07	10	08	10
Min	15.0	13.9	15.9	21.6	43.3	41.8	12.4	11.5	0.011111
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)

5/30/2016

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	0.013958	20.2	21.7	.00	29.13	986.6	-2.8	.00	327.7
01:00	0.013699	19.6	21.3	.00	29.12	986.1	-2.0	.00	339.5
02:00	0.013034	18.9	20.2	.00	29.12	986.1	-1.8	.00	226.5
03:00	0.012894	18.3	20.0	.00	29.13	986.3	-1.8	.00	295.4
04:00	0.012687	18.1	19.7	.00	29.12	986.1	-1.6	.00	59.0
05:00	0.012597	17.8	19.6	.00	29.12	986.1	-1.7	.00	298.6
06:00	0.012409	18.1	19.3	.00	29.13	986.4	14.5	.02	290.2
07:00	0.013242	19.8	20.6	.00	29.13	986.6	104.5	.15	49.4
08:00	0.013914	21.4	21.6	.00	29.14	986.7	350.7	.50	68.1
09:00	0.013443	21.8	20.9	.00	29.14	987.0	537.6	.77	229.4
10:00	0.01323	22.0	20.5	.00	29.13	986.6	744.6	1.07	191.2
11:00	0.012986	21.9	20.2	.00	29.13	986.5	910.4	1.31	199.5
12:00	0.013235	21.9	20.5	.00	29.11	985.8	976.9	1.40	232.5
13:00	0.012033	20.2	18.7	.00	29.09	985.1	1042.6	1.49	275.8
14:00	0.011391	18.9	17.7	.00	29.08	984.6	1049.4	1.50	325.3
15:00	0.010316	17.3	16.1	.00	29.06	984.3	776.5	1.11	112.5
16:00	0.010919	18.3	17.0	.00	29.05	983.9	613.2	.88	301.9
17:00	0.010843	18.0	16.8	.00	29.04	983.4	508.1	.73	329.3
18:00	0.011385	18.7	17.7	.00	29.03	983.2	335.4	.48	338.5
19:00	0.011273	19.3	17.5	.00	29.03	983.2	197.1	.28	5.8
20:00	0.011644	19.4	18.1	.00	29.04	983.5	17.8	.03	30.7
21:00	0.011815	19.7	18.3	.00	29.05	983.9	-1.8	.00	333.2
22:00	0.012279	19.5	19.1	.00	29.07	984.4	-1.0	.00	3.3
23:00	0.012448	19.4	19.3	.00	29.07	984.3	-1.6	.00	34.3
Avg	0.012403	19.5	19.3	.00	29.09	985.3	340.1	.49	326.0
Max	0.013958	22.0	21.7	.00	29.14	987.0	1049.4	1.50	339.5
Hr. of Max	00	10	00	23	09	09	14	14	01
Min	0.010316	17.3	16.1	.00	29.03	983.2	-2.8	.00	3.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/30/2016

Interval: 001h

	41_WDir_035m	42_WDir_060m	46_SWDir_015m	50_Sigma_015m	51_Sigma_035m	52_Sigma_060m	55_RWSpd_015m	56_RWSpd_035m	57_RWSpd_060m
Hour	DEG	DEG	DEG	DEG	DEG	DEG	MPH	MPH	MPH
00:00	54.1	62.7	303.8	47.5	28.1	10.9	.3	.9	1.5
01:00	52.7	68.8	334.1	40.1	15.6	8.2	.4	1.0	1.8
02:00	206.1	112.3	238.7	43.0	68.0	42.7	1.2	.4	.6
03:00	22.8	98.3	288.5	30.0	51.0	12.8	.4	.1	.2
04:00	59.7	45.8	26.2	37.3	12.4	9.8	.3	1.6	2.0
05:00	45.8	61.3	290.5	56.3	18.8	7.2	.4	.9	1.6
06:00	56.4	65.8	281.1	49.5	21.4	12.0	.4	.7	1.8
07:00	51.6	62.5	49.5	29.6	15.8	11.1	1.2	2.2	3.4
08:00	66.6	67.4	70.7	33.9	26.6	22.2	1.9	2.4	2.9
09:00	140.8	129.9	213.1	73.1	51.1	46.1	.3	.4	.7
10:00	203.7	118.0	188.2	64.6	68.9	59.4	.5	.2	.3
11:00	208.3	187.7	205.9	51.1	40.9	37.2	.7	.8	.8
12:00	259.0	266.9	236.2	54.4	46.1	43.5	1.5	2.1	2.1
13:00	290.6	287.7	272.1	67.9	58.7	49.1	1.6	2.3	2.9
14:00	334.0	329.3	323.5 +	63.8	50.2	47.4	.6	1.2	1.5
15:00	114.9	111.2	115.4	29.4	25.9	19.8	5.4	6.5	7.0
16:00	307.0	304.2	299.2	70.0	53.8	42.9	1.6	2.6	3.4
17:00	343.0	342.6	327.2	53.9	38.7	34.0	1.4	2.0	2.2
18:00	355.6	1.0	335.9	34.6	27.5	29.0	1.8	2.7	3.2
19:00	23.5	23.9	3.8	28.3	20.6	19.5	1.5	3.0	3.9
20:00	48.1	59.6	31.1	27.8	20.3	13.1	2.0	4.0	5.0
21:00	53.8	70.0	332.2	27.3	11.5	7.1	.8	1.6	2.4
22:00	63.4	56.2	4.6	29.5	9.6	12.1	.8	1.6	1.9
23:00	69.4	64.1	37.4	33.3	10.5	10.4	.8	1.7	2.3
Avg	40.0	58.0	319.0	44.8	33.0	25.3	.0	.0	.0
Max	355.6	342.6	335.9	73.1	68.9	59.4	5.4	6.5	7.0
Hr. of Max	18	17	18	09	10	10	15	15	15
Min	22.8	1.0	3.8	27.3	9.6	7.1	.3	.1	.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)

5/30/2016

Interval: 001h

	58_WSpd_015m	59_WSpd_035m	60_WSpd_060m	66_HSSpd_015m	67_HSSpd_060m	70_WElev_015m	71_WElev_060m	72_VSSpd_015m	73_VSSpd_060m
Hour	MPH	MPH	MPH	MPH	MPH	DEG	DEG	MPH	MPH
00:00	.4	1.0	1.5	.8	1.8	2.1	1.4	.04	.06
01:00	.6	1.1	1.9	1.0	2.2	2.4	-1.5	.04	-.06
02:00	1.2	1.1	.9	1.7	1.3	1.4	.4	.01	.03
03:00	.6	.4	.4	.9	1.0	2.3	-.5	.03	-.01
04:00	.4	1.7	2.1	.7	2.3	1.6	1.9	.03	.08
05:00	.5	.9	1.6	.8	1.9	1.3	1.4	.02	.05
06:00	.6	.9	1.9	1.0	2.2	.3	1.2	.01	.04
07:00	1.3	2.4	3.4	1.6	3.7	-1.5	-.6	-.10	-.05
08:00	2.2	2.7	3.1	2.6	3.5	.8	.5	-.01	.00
09:00	1.1	1.1	1.2	1.7	1.8	4.0	-.1	.16	.02
10:00	1.4	1.4	1.4	2.1	2.2	1.3	11.5	.06	.55
11:00	2.2	2.1	1.9	2.7	2.6	-2.5	-16.1	-.20	-.90
12:00	3.0	3.4	3.4	3.6	4.1	1.1	-5.2	.00	-.50
13:00	3.2	3.4	3.7	3.8	4.4	-2.7	-3.2	-.24	-.52
14:00	4.4	5.2	5.6	5.1	6.4	-3.2	-1.8	-.31	-.18
15:00	6.0	7.1	7.3	6.9	8.0	.5	.2	.02	.00
16:00	3.2	3.9	4.5	3.7	5.1	.5	-.3	-.06	-.24
17:00	2.3	2.8	3.0	2.7	3.5	-2.8	-4.3	-.22	-.37
18:00	2.1	3.0	3.5	2.5	3.9	-5.9	-1.4	-.35	-.16
19:00	2.7	4.3	5.3	3.0	5.6	-4.2	.8	-.24	.01
20:00	2.3	4.2	5.1	2.6	5.4	-4.2	-.7	-.28	-.13
21:00	.9	1.7	2.4	1.1	2.6	.2	.7	.00	.04
22:00	.9	1.7	2.0	1.1	2.2	2.9	2.3	.05	.10
23:00	.9	1.7	2.3	1.1	2.5	2.1	2.3	.04	.10
Avg	1.9	2.5	2.9	2.3	3.3	-.1	-.5	-.06	-.09
Max	6.0	7.1	7.3	6.9	8.0	4.0	11.5	.16	.55
Hr. of Max	15	15	15	15	15	09	10	09	10
Min	.4	.4	.4	.7	1.0	-5.9	-16.1	-.35	-.90
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/30/2016

Interval: 001h

	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	82_SPkWsH_015m	83_SPkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	86_SonicTemp_015m	87_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	2.7	3.2	3.0	2.4	3.1	8.9	5.7	20.4	21.5
01:00	1.8	3.0	3.7	2.0	3.9	6.6	4.4	20.1	20.7
02:00	4.1	5.3	5.0	4.3	3.9	8.0	10.2	19.2	20.4
03:00	2.3	2.3	2.7	2.4	3.1	7.6	6.3	19.0	19.7
04:00	2.5	3.4	4.8	2.9	3.5	6.8	3.8	18.7	19.8
05:00	2.1	2.3	4.4	2.2	3.1	8.2	4.9	18.6	19.5
06:00	2.5	3.0	3.4	2.7	3.5	7.5	4.9	18.3	19.3
07:00	3.7	5.3	6.4	4.0	6.6	13.5	5.5	19.5	19.4
08:00	6.0	6.0	6.4	8.3	6.8	23.1	17.5	21.2	20.6
09:00	5.3	5.7	5.7	5.3	6.4	32.4	33.3	23.5	22.9
10:00	5.5	5.0	5.3	5.7	6.1	32.2	36.0	25.4	24.8
11:00	8.9	8.2	7.3	6.8	8.9	29.1	34.0	26.7	26.0
12:00	11.7	10.5	9.6	12.3	9.1	25.4	27.1	28.0	27.2
13:00	9.4	8.7	9.2	9.6	9.7	25.6	29.2	29.0	28.2
14:00	19.0	19.7	17.6	20.0	18.4	24.2	27.3	29.4	28.5
15:00	17.9	21.3	22.2	16.6	18.7	14.3	13.2	28.9	28.1
16:00	12.1	15.3	15.1	13.1	15.9	25.7	25.5	29.8	28.9
17:00	6.9	7.1	7.3	6.8	6.8	25.7	25.3	30.2	29.3
18:00	6.4	6.9	8.7	7.5	9.9	21.1	18.5	30.0	29.3
19:00	9.2	10.5	14.0	9.7	12.1	16.0	11.4	29.1	28.6
20:00	7.3	8.7	8.0	7.8	8.2	16.1	9.5	27.0	26.9
21:00	2.3	6.6	8.5	2.3	4.9	7.8	3.0	25.0	26.0
22:00	2.3	3.2	3.4	2.4	3.3	7.9	5.3	23.8	24.8
23:00	2.3	3.4	3.4	2.4	3.7	8.9	5.4	22.7	23.4
Avg	6.4	7.3	7.7	6.6	7.5	16.8	15.3	24.3	24.3
Max	19.0	21.3	22.2	20.0	18.7	32.4	36.0	30.2	29.3
Hr. of Max	14	15	15	14	15	09	10	17	18
Min	1.8	2.3	2.7	2.0	3.1	6.6	3.0	18.3	19.3
Count	24	24	24	24	24	24	24	24	24
Total									