Date Printed: 06/30/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/29/2016

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	20.4	22.0	23.3	24.6	1.62	2.96	4.20	1.35	2.58
01:00	20.1	21.9	23.2	23.9	1.81	3.14	3.81	1.33	2.01
02:00	19.7	21.0	22.0	22.8	1.34	2.33	3.17	.99	1.83
03:00	19.3	20.6	21.1	21.7	1.30	1.75	2.33	.46	1.03
04:00	18.9	20.0	20.5	21.2	1.12	1.63	2.28	.51	1.17
05:00	18.4	19.4	20.0	20.6	.98	1.51	2.12	.53	1.13
06:00	18.2	19.2	19.6	20.2	.98	1.40	1.97	.42	.99
07:00	19.6	20.0	20.3	20.8	.37	.71	1.19	.33	.81
08:00	22.5	22.0	21.8	21.7	-.45	-.65	-.75	-.20	-.31
09:00	24.4	23.6	23.3	23.2	-.77	-1.09	-1.23	-.32	-.47
10:00	26.3	25.2	24.8	24.7	-1.08	-1.46	-1.58	-.38	-.50
11:00	27.8	26.4	26.1	25.9	-1.37	-1.73	-1.85	-.36	-.48
12:00	28.6	27.4	27.1	26.9	-1.18	-1.52	-1.67	-.35	-.50
13:00	29.0	27.8	27.6	27.5	-1.14	-1.37	-1.50	-.23	-.36
14:00	29.9	28.4	28.0	27.9	-1.53	-1.87	-2.00	-.34	-.47
15:00	30.1	28.7	28.3	28.1	-1.42	-1.81	-1.95	-.39	-.53
16:00	30.1	28.9	28.6	28.4	-1.17	-1.53	-1.69	-.36	-.52
17:00	30.1	29.0	28.6	28.4	-1.17	-1.52	-1.72	-.35	-.55
18:00	29.6	28.6	28.3	28.2	-.97	-1.26	-1.40	-.29	-.43
19:00	27.5	27.5	27.3	27.3	-.02	-.17	-.16	-.15	-.14
20:00	24.1	25.6	26.1	26.2	1.52	2.00	2.14	.47	.62
21:00	21.4	23.5	24.5	24.9	2.11	3.13	3.52	1.03	1.41
22:00	19.6	21.6	22.6	23.1	2.08	3.08	3.55	1.00	1.47
23:00	18.1	20.0	21.0	21.4	1.89	2.81	3.26	.91	1.37
Avg	23.9	24.1	24.3	24.6	.20	.44	.67	.23	.47
Max	30.1	29.0	28.6	28.4	2.11	3.14	4.20	1.35	2.58
Hr. of Max	17	17	17	17	21	01	00	00	00
Min	18.1	19.2	19.6	20.2	-1.53	-1.87	-2.00	-.39	-.55
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)

6/29/2016

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	17.8	17.6	18.7	27.2	87.2	78.2	15.1	14.9	0.013204
01:00	17.9	18.2	18.6	26.9	89.3	81.7	15.2	15.5	0.013276
02:00	17.9	18.4	18.5	26.6	91.8	86.9	15.3	15.6	0.01331
03:00	17.9	18.5	18.4	26.4	93.1	89.7	15.2	15.8	0.013235
04:00	17.6	18.5	18.0	26.1	94.2	93.1	15.0	15.8	0.013015
05:00	17.2	18.3	17.6	25.9	94.5	95.5	14.6	15.7	0.012697
06:00	17.1	18.4	17.5	25.6	95.0	97.3	14.5	15.7	0.012593
07:00	18.1	18.1	18.6	25.4	93.1	90.9	15.4	15.4	0.013421
08:00	17.1	16.6	18.9	25.2	73.5	72.9	14.4	13.9	0.012627
09:00	16.8	16.2	19.3	25.0	64.0	64.4	14.0	13.5	0.012384
10:00	16.9	16.4	20.0	25.0	57.8	59.5	14.1	13.6	0.012496
11:00	16.2	15.4	20.0	25.1	50.6	52.0	13.4	12.8	0.011955
12:00	16.1	15.3	20.2	25.4	48.0	48.9	13.3	12.7	0.011884
13:00	15.4	15.0	19.9	25.9	45.0	46.6	12.7	12.4	0.011403
14:00	14.3	13.8	19.5	26.4	39.7	41.8	11.8	11.5	0.010616
15:00	13.2	12.8	18.8	26.7	36.6	38.6	11.0	10.8	0.009892
16:00	12.0	11.5	18.0	26.9	33.8	34.9	10.2	9.9	0.009158
17:00	11.4	10.8	17.6	27.2	32.4	33.3	9.8	9.5	0.008804
18:00	12.3	11.8	18.1	27.4	35.6	36.2	10.4	10.1	0.009356
19:00	14.0	13.0	18.5	27.5	45.0	42.1	11.7	11.0	0.010403
20:00	15.8	14.4	18.5	27.6	61.2	51.3	13.2	12.0	0.011611
21:00	15.8	14.4	17.7	27.4	72.2	58.0	13.3	12.1	0.011632
22:00	15.0	13.8	16.5	27.2	76.6	62.3	12.7	11.7	0.01103
23:00	14.3	13.8	15.6	26.9	79.7	68.5	12.2	11.7	0.010507
Avg	15.8	15.5	18.5	26.4	66.2	63.5	13.3	13.1	0.011688
Max	18.1	18.5	20.2	27.6	95.0	97.3	15.4	15.8	0.013421
Hr. of Max	07	04	12	20	06	06	07	04	07
Min	11.4	10.8	15.6	25.0	32.4	33.3	9.8	9.5	0.008804
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)

6/29/2016

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	0.013075	20.5	20.3	.00	29.08	984.7	-2.6	.00	274.4
01:00	0.013584	20.6	21.0	.00	29.07	984.3	-1.4	.00	221.8
02:00	0.013694	20.6	21.2	.00	29.06	984.2	-2.1	.00	283.8
03:00	0.01382	20.5	21.4	.00	29.06	984.1	-3.4	.00	334.3
04:00	0.013788	20.2	21.3	.00	29.06	984.2	-2.0	.00	317.7
05:00	0.013642	19.7	21.1	.00	29.08	984.8	-1.2	.00	292.2
06:00	0.01371	19.6	21.2	.00	29.09	985.2	7.7	.01	351.2
07:00	0.013405	20.8	20.8	.00	29.11	985.8	99.7	.14	309.8
08:00	0.012207	19.6	19.0	.00	29.11	985.9	339.7	.49	349.8
09:00	0.011883	19.3	18.5	.00	29.12	986.2	542.3	.78	345.6
10:00	0.012065	19.4	18.8	.00	29.12	986.2	727.3	1.04	349.5
11:00	0.011346	18.6	17.7	.00	29.12	986.0	889.8	1.28	314.7
12:00	0.01131	18.5	17.6	.00	29.11	985.7	852.7	1.22	205.1
13:00	0.011054	17.7	17.2	.00	29.09	985.2	717.8	1.03	281.3
14:00	0.010233	16.5	15.9	.00	29.08	984.9	965.2	1.38	271.6
15:00	0.009616	15.4	15.0	.00	29.07	984.6	967.9	1.39	288.2
16:00	0.008827	14.3	13.8	.00	29.06	984.3	565.8	.81	292.3
17:00	0.008447	13.7	13.2	.00	29.06	984.0	396.7	.57	299.5
18:00	0.008998	14.6	14.0	.00	29.05	983.9	304.9	.44	294.4
19:00	0.009771	16.2	15.2	.00	29.06	984.1	201.2	.29	284.3
20:00	0.010651	18.0	16.6	.00	29.07	984.6	19.9	.03	343.8
21:00	0.010621	18.1	16.5	.00	29.08	984.9	-2.0	.00	330.3
22:00	0.010208	17.2	15.9	.00	29.09	985.2	-2.5	.00	317.5
23:00	0.010148	16.4	15.8	.00	29.10	985.6	-2.6	.00	299.9
Avg	0.011504	18.2	17.9	.00	29.08	984.9	315.8	.45	304.0
Max	0.01382	20.8	21.4	.00	29.12	986.2	967.9	1.39	351.2
Hr. of Max	03	07	03	23	11	10	15	15	06
Min	0.008447	13.7	13.2	.00	29.05	983.9	-3.4	.00	205.1
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)

6/29/2016

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	228.0	261.4	266.6	258.5	41.0	26.3	37.7	.7	1.3
01:00	249.7	294.5	222.6	287.8	42.6	42.2	30.4	.7	1.5
02:00	22.5	25.1	277.6	1.6	29.9	28.4	24.7	.7	.4
03:00	50.9	74.1	330.4	50.3	37.4	18.3	13.5	.3	1.2
04:00	62.5	58.1	314.2	22.9	37.5	23.6	16.6	.5	.7
05:00	10.5	154.4	286.9	188.6	27.4	35.6	18.3	.7	.1
06:00	117.6	109.9	352.3	50.1	30.6	48.7	26.4	.4	.3
07:00	38.9	30.2	294.5	9.5	59.0	21.8	12.2	.0	1.1
08:00	356.4	3.9	346.3	348.5	46.6	30.8	31.1	2.0	3.0
09:00	343.3	356.4	333.7	334.1	73.4	55.2	56.2	.7	1.2
10:00	352.1	352.2	354.1	335.1	56.0	46.3	45.6	1.7	2.5
11:00	331.7	348.4	313.1	328.0	60.0	56.8	58.0	.8	1.5
12:00	225.8	222.4	206.9	220.3	64.1	61.1	63.2	1.3	1.4
13:00	288.6	293.9	282.9	284.5	46.8	38.5	34.6	3.2	4.6
14:00	280.7	282.7	275.1	273.7	35.2	26.3	21.2	5.7	7.3
15:00	298.6	299.1	290.4	288.7	45.1	36.9	36.0	4.0	5.2
16:00	305.2	306.3	295.8	295.2	37.2	28.2	26.8	3.7	4.9
17:00	305.7	299.8	301.9	289.6	34.6	27.2	23.5	3.3	4.6
18:00	300.9	300.0	296.1	290.5	28.9	21.9	19.9	2.9	4.1
19:00	289.5	292.8	286.2	283.7	23.4	16.4	14.5	2.9	4.5
20:00	3.5	9.3	344.0	352.0	37.0	21.6	20.2	1.5	2.4
21:00	15.4	24.7	327.1	9.1	37.8	13.5	10.9	.9	3.7
22:00	46.9	66.1	319.5	47.3	46.8	19.0	16.2	.5	1.4
23:00	21.4	94.3	295.9	42.7	44.2	42.6	24.9	.6	.6
Avg	339.0	346.0	302.0	327.0	42.6	32.8	28.4	.0	.0
Max	356.4	356.4	354.1	352.0	73.4	61.1	63.2	5.7	7.3
Hr. of Max	08	09	10	20	09	12	12	14	14
Min	3.5	3.9	206.9	1.6	23.4	13.5	10.9	.0	.1
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)

6/29/2016

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	3.0	.8	1.8	3.6	1.2	3.7	.3	3.5	.00
01:00	3.6	1.2	2.3	4.0	1.6	4.1	1.8	5.6	.04
02:00	1.5	1.2	1.7	2.8	1.5	2.9	-.4	1.8	.00
03:00	1.5	.6	1.3	1.5	.8	1.8	1.9	.4	.03
04:00	.9	.6	.7	1.0	.9	1.4	-.4	-.6	-.01
05:00	.3	.7	.7	.7	1.0	1.2	1.6	-.7	.04
06:00	.4	.4	.4	.5	.7	.9	2.7	.6	.04
07:00	2.2	.1	1.2	2.3	.6	2.5	-.4	-1.0	-.01
08:00	3.3	2.2	3.2	3.6	2.6	4.0	-6.1	-9.3	-.40
09:00	1.5	1.4	1.7	1.9	1.9	2.5	-3.3	-11.3	-.19
10:00	2.9	2.4	3.2	3.5	2.9	4.1	-1.3	.1	-.18
11:00	1.5	2.5	3.1	3.1	3.2	3.8	-.2	.9	-.13
12:00	1.6	2.5	2.9	3.1	3.1	3.6	5.4	11.1	.23
13:00	5.4	4.5	5.7	6.4	5.0	7.0	-2.2	.5	-.42
14:00	8.4	6.5	8.0	9.1	7.0	9.6	-4.2	-3.7	-.73
15:00	5.8	4.9	6.1	6.7	5.4	7.4	-4.4	-6.3	-.68
16:00	5.7	4.7	5.8	6.6	5.3	7.0	-6.0	-5.6	-.66
17:00	5.4	3.9	5.1	5.9	4.3	6.1	-2.0	-3.5	-.40
18:00	5.1	3.4	4.5	5.5	3.7	5.7	-.7	-3.5	-.24
19:00	6.1	3.1	4.6	6.3	3.3	6.4	-1.9	-2.5	-.26
20:00	3.0	1.8	2.8	3.7	2.0	4.0	-2.1	-1.2	-.12
21:00	5.3	1.1	3.9	5.5	1.3	5.8	-.7	2.0	-.05
22:00	2.4	.6	1.5	2.5	.8	2.7	-1.0	1.3	-.02
23:00	1.0	.7	.7	1.1	.9	1.4	-2.2	-.1	-.02
Avg	.0	2.2	3.0	3.8	2.5	4.2	-1.1	-.9	-.17
Max	8.4	6.5	8.0	9.1	7.0	9.6	5.4	11.1	.23
Hr. of Max	14	14	14	14	14	14	12	12	12
Min	.3	.1	.4	.5	.6	.9	-6.1	-11.3	-.73
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)

6/29/2016

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	.18	4.6	7.3	11.2	3.4	11.9	16.6	18.2	23.1
01:00	.35	4.1	11.9	11.7	4.2	12.7	18.7	14.1	23.1
02:00	.07	3.9	4.1	8.7	4.3	8.4	9.3	9.7	22.3
03:00	.02	2.1	3.4	4.4	2.2	3.3	8.7	6.3	21.9
04:00	-.01	1.6	2.3	2.7	1.7	2.4	7.4	8.4	21.3
05:00	.01	2.7	2.1	1.8	3.2	2.0	5.8	9.2	20.7
06:00	.03	2.1	1.8	2.1	2.4	2.5	7.8	6.4	20.5
07:00	-.05	1.4	3.4	4.6	2.6	4.7	12.3	6.5	21.4
08:00	-.59	6.6	8.9	9.8	6.7	7.7	22.8	18.6	23.3
09:00	-.57	5.3	6.0	5.7	6.0	6.0	31.6	30.0	24.8
10:00	-.08	6.9	8.0	8.9	7.8	9.6	28.9	28.4	26.4
11:00	-.12	10.5	11.7	10.3	7.9	10.3	26.9	29.5	27.4
12:00	.61	9.4	8.2	9.8	9.5	10.2	28.2	27.4	28.2
13:00	-.23	15.8	16.3	19.9	17.4	20.5	23.6	20.2	28.6
14:00	-.94	19.9	17.6	18.3	17.0	18.7	19.6	15.9	29.0
15:00	-1.21	15.8	16.5	19.2	15.1	14.6	22.9	19.9	29.2
16:00	-1.01	11.9	13.7	15.6	15.1	15.5	22.7	18.5	29.3
17:00	-.68	16.3	16.5	16.0	11.2	14.3	23.7	18.4	29.4
18:00	-.55	8.9	12.6	17.4	10.0	11.7	20.8	14.0	29.1
19:00	-.46	8.5	11.4	12.8	10.1	14.0	17.5	11.0	28.2
20:00	-.08	5.7	8.2	14.4	6.3	11.3	14.0	12.2	26.4
21:00	.17	4.8	8.5	9.8	4.8	10.2	13.6	5.4	24.2
22:00	.07	2.1	7.1	12.4	2.6	6.6	9.9	5.5	22.4
23:00	.03	3.0	3.0	5.5	3.2	3.4	8.4	8.6	20.8
Avg	-.21	7.2	8.8	10.5	7.3	9.7	17.6	15.1	25.0
Max	.61	19.9	17.6	19.9	17.4	20.5	31.6	30.0	29.4
Hr. of Max	12	14	14	13	13	13	09	09	17
Min	-1.21	1.4	1.8	1.8	1.7	2.0	5.8	5.4	20.5
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)

6/29/2016

Interval: 001h

	37_SonicTemp_060m
Hour	DEGC
00:00	25.5
01:00	24.9
02:00	23.9
03:00	22.8
04:00	22.3
05:00	21.7
06:00	21.3
07:00	21.7
08:00	22.6
09:00	24.1
10:00	25.5
11:00	26.6
12:00	27.4
13:00	27.8
14:00	28.0
15:00	28.2
16:00	28.5
17:00	28.5
18:00	28.3
19:00	27.6
20:00	26.7
21:00	25.3
22:00	23.6
23:00	22.1
Avg	25.2
Max	28.5
Hr. of Max	17
Min	21.3
Count	24
Total	