Date Printed: 06/14/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/13/2016

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	21.3	22.6	23.4	24.3	1.24	2.07	2.99	.83	1.75
01:00	20.9	21.7	22.6	23.6	.85	1.77	2.75	.92	1.90
02:00	20.5	21.4	22.1	23.0	.94	1.59	2.46	.65	1.52
03:00	20.2	20.9	22.0	23.0	.74	1.79	2.83	1.05	2.09
04:00	20.1	20.9	21.7	22.6	.79	1.66	2.54	.87	1.74
05:00	20.0	20.9	21.9	23.0	.91	1.92	3.03	1.00	2.12
06:00	20.4	20.9	21.7	23.5	.50	1.26	3.12	.76	2.62
07:00	22.0	22.2	22.4	22.8	.13	.40	.73	.27	.60
08:00	25.0	24.6	24.3	24.4	-.39	-.63	-.60	-.24	-.21
09:00	27.2	26.6	26.3	26.3	-.63	-.93	-.97	-.30	-.34
10:00	28.8	28.0	27.7	27.6	-.73	-1.05	-1.19	-.32	-.46
11:00	30.1	29.2	28.9	28.8	-.87	-1.17	-1.26	-.30	-.39
12:00	30.9	30.1	29.7	29.6	-.89	-1.20	-1.35	-.31	-.46
13:00	31.9	30.8	30.5	30.4	-1.01	-1.31	-1.48	-.30	-.47
14:00	32.5	31.4	31.0	30.9	-1.16	-1.52	-1.58	-.36	-.42
15:00	32.6	31.5	31.0	30.9	-1.10	-1.53	-1.64	-.43	-.54
16:00	32.6	31.8	31.3	31.1	-.83	-1.26	-1.48	-.43	-.65
17:00	32.7	32.1	31.7	31.6	-.57	-.91	-1.06	-.34	-.49
18:00	32.1	31.8	31.6	31.5	-.29	-.52	-.60	-.23	-.31
19:00	29.7	29.9	30.5	31.0	.21	.81	1.28	.60	1.06
20:00	27.5	29.1	29.9	30.1	1.60	2.34	2.58	.75	.98
21:00	25.8	27.1	27.9	28.5	1.24	2.08	2.71	.84	1.47
22:00	24.6	26.2	26.8	27.6	1.59	2.17	2.92	.58	1.33
23:00	23.8	25.5	25.9	26.4	1.60	2.06	2.54	.46	.94
Avg	26.4	26.6	26.8	27.2	.16	.41	.80	.25	.64
Max	32.7	32.1	31.7	31.6	1.60	2.34	3.12	1.05	2.62
Hr. of Max	17	17	17	17	23	20	06	03	06
Min	20.0	20.9	21.7	22.6	-1.16	-1.53	-1.64	-.43	-.65
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/13/2016

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	19.2	19.7	19.9	25.3	89.6	86.0	16.4	16.9	0.014375
01:00	19.1	19.9	19.7	25.1	91.6	91.6	16.3	17.1	0.014289
02:00	18.9	19.9	19.4	24.9	92.6	93.2	16.2	17.2	0.014142
03:00	18.8	19.7	19.2	24.7	93.6	94.7	16.0	16.9	0.014016
04:00	18.7	19.8	19.2	24.5	94.0	95.9	16.0	17.1	0.013982
05:00	18.7	20.1	19.1	24.3	94.5	97.3	16.0	17.3	0.013985
06:00	19.2	20.2	19.6	24.1	95.0	98.3	16.5	17.5	0.014412
07:00	20.1	20.0	20.7	23.9	90.9	89.9	17.3	17.2	0.015231
08:00	20.1	19.4	21.7	23.8	76.3	74.7	17.2	16.4	0.01526
09:00	20.2	19.4	22.6	23.8	67.5	66.3	17.2	16.3	0.015436
10:00	20.3	19.2	23.1	23.8	62.1	60.3	17.2	16.1	0.015541
11:00	20.5	19.6	23.7	24.0	58.4	58.2	17.4	16.5	0.015758
12:00	20.4	19.5	23.9	24.2	55.2	54.9	17.3	16.4	0.01568
13:00	20.5	19.8	24.3	24.7	52.6	53.4	17.3	16.6	0.015755
14:00	20.6	20.0	24.6	25.2	51.3	52.5	17.4	16.8	0.015957
15:00	20.1	19.4	24.2	25.6	49.5	50.4	16.9	16.2	0.015432
16:00	19.1	18.4	23.6	26.0	46.3	46.5	15.9	15.2	0.014499
17:00	18.5	17.8	23.2	26.4	44.6	44.1	15.3	14.7	0.013995
18:00	19.8	19.1	23.9	26.6	50.1	48.6	16.6	15.9	0.015218
19:00	21.8	20.8	24.4	26.8	64.5	60.0	18.8	17.7	0.017116
20:00	21.9	20.6	23.8	26.8	73.6	62.1	19.0	17.6	0.017193
21:00	20.6	21.9	22.4	26.7	75.0	75.5	17.7	19.0	0.015862
22:00	20.2	20.4	21.7	26.6	78.6	72.5	17.3	17.5	0.01546
23:00	20.6	20.8	21.7	26.4	84.0	77.8	17.7	18.0	0.01577
Avg	19.9	19.8	22.1	25.2	72.1	71.0	17.0	16.8	0.015182
Max	21.9	21.9	24.6	26.8	95.0	98.3	19.0	19.0	0.017193
Hr. of Max	20	21	14	20	06	06	20	21	20
Min	18.5	17.8	19.1	23.8	44.6	44.1	15.3	14.7	0.013982
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)

6/13/2016

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	0.014888	22.3	23.0	.00	29.11	985.7	-1.4	.00	282.5
01:00	0.015045	22.1	23.3	.00	29.10	985.5	-2.9	.00	262.4
02:00	0.015084	21.9	23.3	.00	29.09	985.2	-1.8	.00	251.9
03:00	0.014848	21.7	23.0	.00	29.08	984.9	-1.5	.00	227.2
04:00	0.014967	21.7	23.1	.00	29.08	984.8	-2.2	.00	252.9
05:00	0.015225	21.7	23.5	.00	29.08	985.0	-3.0	.00	245.2
06:00	0.015368	22.3	23.8	.00	29.09	985.1	17.5	.03	240.5
07:00	0.015176	23.6	23.5	.00	29.10	985.4	145.5	.21	235.1
08:00	0.014583	23.6	22.6	.00	29.10	985.5	342.8	.49	221.3
09:00	0.014609	23.9	22.6	.00	29.10	985.6	543.9	.78	252.2
10:00	0.014454	24.0	22.4	.00	29.10	985.4	724.1	1.04	154.6
11:00	0.014915	24.3	23.1	.00	29.09	985.3	755.9	1.08	239.7
12:00	0.014808	24.2	22.9	.00	29.08	984.8	858.7	1.23	73.8
13:00	0.015091	24.3	23.3	.00	29.06	984.3	919.9	1.32	10.6
14:00	0.015263	24.6	23.6	.00	29.04	983.6	909.8	1.30	172.8
15:00	0.01475	23.8	22.8	.00	29.03	982.9	802.1	1.15	276.8
16:00	0.013875	22.4	21.4	.00	29.00	982.2	576.3	.83	69.3
17:00	0.013381	21.6	20.7	.00	28.99	981.6	442.7	.63	82.5
18:00	0.014512	23.4	22.4	.00	28.98	981.4	285.4	.41	86.6
19:00	0.016104	26.3	24.8	.00	28.98	981.5	135.2	.19	294.9
20:00	0.015921	26.4	24.5	.00	29.00	982.0	17.8	.03	349.5
21:00	0.017158	24.4	26.4	.00	29.00	982.0	-2.0	.00	241.2
22:00	0.015662	23.8	24.1	.00	29.01	982.3	-2.0	.00	308.8
23:00	0.016071	24.3	24.7	.00	29.01	982.4	-2.3	.00	335.5
Avg	0.015073	23.4	23.3	.00	29.05	983.9	310.8	.45	259.0
Max	0.017158	26.4	26.4	.00	29.11	985.7	919.9	1.32	349.5
Hr. of Max	21	20	21	23	00	00	13	13	20
Min	0.013381	21.6	20.7	.00	28.98	981.4	-3.0	.00	10.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/13/2016

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	219.1	194.5	266.2	54.3	32.9	25.1	.6	.8	.9
01:00	292.1	237.1	256.8	22.4	58.1	15.4	.8	.6	2.4
02:00	235.6	222.1	255.7	18.9	26.9	17.2	1.6	2.6	2.7
03:00	236.9	253.9	232.2	10.3	11.4	9.0	2.8	3.9	4.7
04:00	224.6	237.6	255.5	18.3	10.7	10.0	1.7	3.4	4.1
05:00	243.1	264.3	248.5	37.5	11.0	8.7	2.4	4.0	5.1
06:00	216.0	261.2	243.8	31.1	11.7	18.5	1.8	3.7	3.9
07:00	220.1	211.2	239.0	36.8	36.4	10.7	1.2	1.5	3.1
08:00	224.4	224.6	227.3	26.5	16.1	13.8	1.7	2.5	2.9
09:00	265.4	265.8	253.1	43.5	39.2	40.7	1.1	1.5	1.6
10:00	153.7	130.2	160.8	53.4	60.1	56.3	.9	.8	1.0
11:00	281.0	279.1	252.7	51.2	50.0	51.4	.7	1.1	1.3
12:00	67.8	64.8	61.7	72.4	71.5	67.1	.5	.7	1.0
13:00	17.1	34.4	22.3	74.9	67.1	62.4	.1	.3	.5
14:00	188.7	193.4	177.7	39.2	41.2	50.9	2.5	2.5	2.4
15:00	295.6	296.2	277.1	46.6	33.4	33.0	1.1	2.2	2.5
16:00	56.8	55.6	71.9	31.7	24.1	18.3	3.8	5.4	6.4
17:00	82.0	79.3	83.7	26.7	20.6	17.5	4.1	5.3	6.0
18:00	95.0	92.0	89.6	35.8	24.7	23.9	2.3	3.2	3.6
19:00	16.9	44.2	291.9	35.9	40.0	23.8	.8	1.7	3.1
20:00	39.0	51.6	346.1	36.8	12.5	9.2	.9	3.1	4.6
21:00	234.9	226.5	246.1	26.6	26.5	33.5	3.3	4.1	3.2
22:00	245.6	153.1	307.1	45.5	54.2	49.0	.5	.5	.6
23:00	49.8	83.8	331.3	42.0	23.9	17.8	.6	.9	1.0
Avg	240.0	212.0	261.0	38.3	33.5	28.5	.0	.0	.0
Max	295.6	296.2	346.1	74.9	71.5	67.1	4.1	5.4	6.4
Hr. of Max	15	15	20	13	12	12	17	16	16
Min	16.9	34.4	22.3	10.3	10.7	8.7	.1	.3	.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)

6/13/2016

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	.6	.9	1.0	.9	1.4	.2	1.5	.01	.04
01:00	.9	.8	2.5	1.2	2.7	1.2	1.6	.02	.09
02:00	1.7	2.6	2.8	2.0	3.1	.3	1.0	-.01	.07
03:00	2.8	4.0	4.8	3.2	5.1	-.8	1.6	-.06	.13
04:00	1.8	3.5	4.2	2.1	4.5	-1.6	2.0	-.05	.15
05:00	2.5	4.1	5.3	2.9	5.4	-.4	3.2	-.05	.29
06:00	1.8	3.8	4.3	2.2	4.4	-.6	2.8	-.04	.22
07:00	1.6	1.7	3.2	1.8	3.5	-.7	-1.1	-.06	-.06
08:00	1.9	2.6	3.0	2.4	3.3	2.6	-4.8	.04	-.28
09:00	1.7	2.0	2.1	2.3	2.6	-.7	3.4	-.05	.13
10:00	1.7	1.7	1.6	2.4	2.2	2.2	6.6	.06	.27
11:00	2.5	2.3	2.2	3.0	2.9	-2.2	-9.9	-.12	-.49
12:00	2.4	2.5	2.8	3.0	3.6	-7.3	-8.8	-.52	-.59
13:00	2.5	2.6	2.5	3.1	3.4	4.9	2.7	.05	.05
14:00	3.2	3.3	3.3	4.0	4.0	4.5	2.5	.31	.43
15:00	3.6	4.8	5.2	4.1	5.9	-5.1	-10.1	-.47	-.77
16:00	4.4	6.0	6.8	5.1	7.4	1.7	3.1	-.01	.14
17:00	4.6	5.7	6.4	5.0	6.7	1.0	.2	-.08	-.08
18:00	2.7	3.5	3.9	3.3	4.3	2.4	4.7	.08	.37
19:00	.9	2.0	3.3	1.2	3.6	.6	2.3	-.01	.13
20:00	1.3	3.2	4.7	1.4	4.9	-1.3	1.9	-.05	.14
21:00	3.4	4.2	3.8	3.8	4.1	-1.5	-.5	-.13	-.07
22:00	.8	1.3	1.0	1.0	1.4	1.8	1.2	.03	.04
23:00	.9	1.0	1.1	1.1	1.5	1.4	.4	.03	.03
Avg	2.2	2.9	3.4	2.6	3.8	.1	.3	-.05	.02
Max	4.6	6.0	6.8	5.1	7.4	4.9	6.6	.31	.43
Hr. of Max	17	16	16	16	16	13	10	14	14
Min	.6	.8	1.0	.9	1.4	-7.3	-10.1	-.52	-.77
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/13/2016

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	2.1	2.7	3.2	2.3	3.3	6.3	4.4	24.0	25.7
01:00	3.4	3.9	4.4	4.0	4.7	7.1	3.8	23.2	24.9
02:00	3.9	4.8	5.0	4.2	5.4	7.2	4.8	22.9	24.3
03:00	6.4	9.2	10.1	5.3	6.8	5.1	3.4	22.4	24.3
04:00	5.0	8.0	7.1	4.7	7.8	7.9	3.6	22.3	23.9
05:00	5.3	6.6	8.2	6.7	9.2	5.7	3.6	22.4	24.3
06:00	6.0	10.5	8.5	5.6	8.0	7.8	6.1	22.4	24.7
07:00	4.4	5.7	8.0	4.9	7.2	12.5	6.2	23.7	23.9
08:00	5.3	6.4	8.9	6.0	6.8	22.7	12.5	26.0	25.3
09:00	5.5	5.5	7.1	6.5	5.9	28.1	28.6	28.1	27.3
10:00	6.0	6.4	5.5	9.2	6.5	29.8	34.3	29.4	28.8
11:00	8.7	8.0	8.0	11.7	9.4	26.5	33.0	30.5	29.8
12:00	11.9	13.3	10.5	9.0	9.4	30.5	32.8	31.4	30.7
13:00	8.2	7.3	7.8	8.9	10.2	30.5	34.5	32.3	31.4
14:00	10.3	10.1	11.0	11.4	10.8	23.6	29.5	32.6	31.8
15:00	19.0	23.8	23.8	20.4	24.3	24.5	23.7	32.7	31.7
16:00	15.3	17.6	20.4	16.5	20.2	22.4	15.8	32.9	31.9
17:00	14.7	16.3	16.5	10.5	11.1	19.7	14.2	33.2	32.3
18:00	9.8	13.5	13.7	8.4	10.2	22.7	21.8	33.1	32.4
19:00	2.7	4.8	5.5	3.5	5.9	16.4	11.3	31.5	32.0
20:00	4.6	6.6	8.9	3.9	9.7	14.6	6.9	30.5	31.1
21:00	6.2	7.6	6.6	7.7	7.5	6.4	9.2	28.7	29.7
22:00	2.3	3.7	4.4	2.5	3.5	11.7	11.6	27.7	28.8
23:00	3.9	3.9	3.7	3.4	3.9	8.6	9.7	27.0	27.7
Avg	7.1	8.6	9.0	7.4	8.7	16.6	15.2	28.0	28.3
Max	19.0	23.8	23.8	20.4	24.3	30.5	34.5	33.2	32.4
Hr. of Max	15	15	15	15	15	13	13	17	18
Min	2.1	2.7	3.2	2.3	3.3	5.1	3.4	22.3	23.9
Count	24	24	24	24	24	24	24	24	24
Total									