Date Printed: 06/05/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/4/2016

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	21.2	21.9	22.5	22.8	.76	1.32	1.69	.55	.93
01:00	20.2	21.0	21.6	22.1	.80	1.42	1.92	.63	1.12
02:00	19.7	20.7	21.0	21.5	.99	1.35	1.86	.36	.86
03:00	19.3	20.3	20.7	21.0	.99	1.35	1.73	.36	.74
04:00	18.8	19.9	20.2	20.7	1.11	1.43	1.94	.32	.83
05:00	18.4	19.7	20.1	20.5	1.27	1.65	2.09	.38	.83
06:00	18.5	19.7	19.8	20.2	1.14	1.25	1.64	.11	.50
07:00	19.9	19.9	19.9	20.2	.08	.08	.38	.00	.30
08:00	21.5	21.2	21.0	21.0	-.28	-.52	-.51	-.24	-.23
09:00	24.6	23.8	22.4	23.1	-.75	-2.15	-1.42	-1.40	-.68
10:00	27.0	26.1	24.9	25.6	-.83	-2.12	-1.36	-1.29	-.53
11:00	28.8	27.7	27.3	27.1	-1.12	-1.52	-1.66	-.40	-.55
12:00	29.5	28.4	28.0	28.0	-1.13	-1.47	-1.54	-.34	-.41
13:00	30.5	29.5	29.1	29.1	-1.03	-1.34	-1.41	-.32	-.39
14:00	24.2	24.6	24.9	25.2	.39	.70	1.01	.31	.62
15:00	21.8	22.0	22.1	22.3	.21	.31	.53	.10	.32
16:00	23.4	23.1	22.9	22.8	-.36	-.57	-.63	-.21	-.27
17:00	24.5	24.2	24.0	24.0	-.28	-.47	-.52	-.19	-.24
18:00	24.2	23.9	23.7	23.6	-.30	-.50	-.59	-.21	-.29
19:00	21.5	21.6	21.5	21.5	.05	-.04	-.08	-.09	-.13
20:00	20.8	20.9	21.1	21.2	.14	.29	.42	.15	.28
21:00	20.7	20.7	20.6	20.6	-.07	-.16	-.08	-.09	-.01
22:00	20.5	20.6	20.6	20.9	.11	.13	.35	.03	.25
23:00	20.3	20.3	20.5	20.7	.02	.18	.43	.16	.40
Avg	22.5	22.6	22.5	22.7	.08	.03	.26	-.06	.18
Max	30.5	29.5	29.1	29.1	1.27	1.65	2.09	.63	1.12
Hr. of Max	13	13	13	13	05	05	05	01	01
Min	18.4	19.7	19.8	20.2	-1.13	-2.15	-1.66	-1.40	-.68
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/4/2016

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	19.4	20.1	20.0	24.3	91.7	91.6	16.6	17.3	0.014554
01:00	18.9	19.8	19.3	24.1	94.2	95.2	16.1	17.1	0.014103
02:00	18.4	19.9	18.9	23.9	94.7	97.5	15.7	17.1	0.013727
03:00	18.2	19.7	18.5	23.7	95.2	98.7	15.5	17.0	0.013492
04:00	17.7	19.3	18.1	23.6	95.7	98.9	15.1	16.6	0.01314
05:00	17.5	19.2	17.8	23.4	96.1	98.9	14.9	16.5	0.012913
06:00	17.6	19.1	17.9	23.2	96.2	98.9	15.0	16.4	0.013002
07:00	19.1	19.4	19.4	23.0	97.6	99.0	16.4	16.7	0.014333
08:00	20.5	20.6	20.8	22.9	96.2	98.9	17.7	18.0	0.015618
09:00	20.1	19.4	21.6	22.8	78.1	78.3	17.2	16.5	0.015248
10:00	19.6	18.9	22.1	22.9	66.1	66.2	16.6	15.9	0.014894
11:00	19.4	18.8	22.5	23.1	58.4	60.0	16.3	15.7	0.014651
12:00	19.5	19.0	22.8	23.4	56.6	58.4	16.4	15.9	0.014824
13:00	18.8	18.3	22.7	24.0	51.1	52.6	15.6	15.2	0.014172
14:00	20.9	20.2	22.0	24.5	84.8	79.6	18.1	17.4	0.016162
15:00	20.4	20.5	20.9	24.8	93.9	93.2	17.7	17.7	0.015598
16:00	21.5	21.3	22.2	24.2	91.6	92.4	18.8	18.6	0.016776
17:00	21.3	20.9	22.3	24.1	84.6	84.3	18.5	18.1	0.016515
18:00	20.8	20.5	21.9	24.2	83.6	83.9	18.0	17.7	0.016014
19:00	19.4	19.4	20.1	24.2	90.3	89.5	16.7	16.6	0.014707
20:00	19.9	19.9	20.2	24.2	97.2	96.6	17.2	17.2	0.01514
21:00	19.9	20.1	20.2	24.1	97.4	98.9	17.2	17.4	0.015129
22:00	19.8	20.1	20.0	24.0	97.7	99.3	17.0	17.4	0.014983
23:00	19.5	19.8	19.8	23.9	97.5	99.3	16.8	17.1	0.014771
Avg	19.5	19.8	20.5	23.8	86.9	87.9	16.7	17.0	0.014769
Max	21.5	21.3	22.8	24.8	97.7	99.3	18.8	18.6	0.016776
Hr. of Max	16	16	12	15	22	23	16	16	16
Min	17.5	18.3	17.8	22.8	51.1	52.6	14.9	15.2	0.012913
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)

6/4/2016

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	0.015244	22.6	23.6	.00	29.12	986.3	-2.5	.00	259.5
01:00	0.01498	21.9	23.2	.00	29.11	985.8	-2.8	.00	277.2
02:00	0.015022	21.3	23.2	.00	29.10	985.5	-1.9	.00	301.5
03:00	0.014867	20.9	23.0	.00	29.09	985.1	-1.7	.00	288.5
04:00	0.014554	20.4	22.5	.00	29.07	984.5	-1.4	.00	303.7
05:00	0.01439	20.0	22.3	.00	29.07	984.5	-1.7	.00	359.4
06:00	0.014349	20.2	22.2	.00	29.07	984.6	6.3	.01	67.3
07:00	0.014607	22.2	22.6	.00	29.09	985.0	68.2	.10	51.2
08:00	0.015794	24.1	24.4	.00	29.09	985.0	219.3	.31	53.0
09:00	0.0146	23.6	22.6	.00	29.09	985.2	522.8	.75	113.7
10:00	0.0142	23.0	22.0	.00	29.08	985.0	715.3	1.03	202.7
11:00	0.014099	22.7	21.8	.00	29.07	984.5	842.4	1.21	206.8
12:00	0.014328	22.9	22.1	.00	29.04	983.6	765.1	1.10	214.8
13:00	0.013743	21.9	21.2	.00	29.01	982.4	719.2	1.03	206.2
14:00	0.015494	24.9	23.9	.20	29.00	982.1	99.9	.14	245.0
15:00	0.015666	24.0	24.1	1.23	29.01	982.4	141.1	.20	154.3
16:00	0.016557	25.8	25.5	.00	28.99	981.9	350.9	.50	55.1
17:00	0.016178	25.4	24.9	.00	28.98	981.4	266.6	.38	68.3
18:00	0.015774	24.6	24.3	.00	28.98	981.5	199.9	.29	106.1
19:00	0.01463	22.7	22.6	.12	28.99	981.6	63.9	.09	106.2
20:00	0.015171	23.3	23.4	.00	28.97	981.2	11.3	.02	348.7
21:00	0.015286	23.3	23.5	.04	28.99	981.7	-2.2	.00	213.8
22:00	0.01532	23.1	23.6	.08	28.99	981.6	-2.0	.00	44.6
23:00	0.015075	22.8	23.2	.00	28.98	981.5	-2.7	.00	278.1
Avg	0.014997	22.8	23.2	.07	29.04	983.5	207.2	.30	273.0
Max	0.016557	25.8	25.5	1.23	29.12	986.3	842.4	1.21	359.4
Hr. of Max	16	16	16	15	00	00	11	11	05
Min	0.013743	20.0	21.2	.00	28.97	981.2	-2.8	.00	44.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/4/2016

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	240.3	136.0	257.5	19.0	47.0	22.9	1.1	.8	.1
01:00	5.3	153.0	276.9	32.5	39.4	40.2	.7	.3	.5
02:00	49.2	104.5	300.5	17.8	39.7	4.8	.3	.2	.3
03:00	48.9	87.1	285.0	33.2	9.9	4.2	.2	.6	.5
04:00	41.4	78.7	286.1	36.8	60.1	17.5	.4	.7	.9
05:00	70.3	61.2	347.6	41.8	27.8	10.8	.3	.8	1.0
06:00	71.3	64.6	70.1	15.7	13.0	7.4	.8	1.9	2.9
07:00	55.7	71.5	50.1	29.2	16.9	8.8	.9	1.7	2.9
08:00	48.3	60.6	60.6	38.7	28.2	18.4	1.1	1.7	2.1
09:00	117.9	118.1	119.3	41.8	47.3	58.3	1.2	1.1	.8
10:00	208.9	199.1	209.6	41.7	33.1	29.6	1.9	2.2	2.3
11:00	213.9	209.7	210.8	31.9	26.9	25.8	4.0	5.1	5.9
12:00	218.3	211.0	220.6	38.3	30.9	25.8	3.6	4.5	5.0
13:00	213.7	211.8	212.7	31.6	25.2	24.1	5.3	7.4	8.6
14:00	239.8	233.2	250.1	27.1	20.4	20.9	4.5	6.8	9.3
15:00	182.1	194.0	166.4	71.6	59.3	50.7	2.6	4.4	6.2
16:00	52.6	60.0	57.4	43.1	38.8	33.7	1.3	1.7	1.9
17:00	68.1	66.1	72.7	29.2	21.8	18.8	1.6	2.2	2.8
18:00	110.2	111.0	107.6	28.0	22.0	18.9	3.5	4.6	5.3
19:00	108.6	112.2	109.1	45.4	38.3	31.9	2.5	3.5	4.1
20:00	15.9	29.4	341.2	60.6	43.7	37.6	.8	1.2	1.1
21:00	219.7	191.8	232.2	60.6	47.9	53.6	.6	1.0	.9
22:00	62.2	79.2	51.8	72.4	49.4	51.0	.5	1.1	1.3
23:00	303.0	106.7	271.2	44.1	50.1	34.2	.7	.3	.5
Avg	83.0	115.0	254.0	38.8	34.9	27.1	.0	.0	.0
Max	303.0	233.2	347.6	72.4	60.1	58.3	5.3	7.4	9.3
Hr. of Max	23	14	05	22	04	09	13	13	14
Min	5.3	29.4	50.1	15.7	9.9	4.2	.2	.2	.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)

6/4/2016

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	1.2	.9	.1	1.5	.6	.7	-.1	.01	.00
01:00	.8	1.1	1.2	1.1	1.5	1.3	1.5	.02	.05
02:00	.3	.2	.3	.6	.6	-1.9	-.3	-.03	.00
03:00	.2	.7	.5	.4	.9	.8	-.8	.01	-.01
04:00	.7	.8	1.1	1.0	1.5	2.1	-1.2	.03	-.01
05:00	.6	.8	1.1	.9	1.4	1.7	.5	.03	.02
06:00	.8	2.0	3.0	1.1	3.2	2.6	.5	.04	.03
07:00	1.2	1.9	2.9	1.5	3.1	-2.6	-2.1	-.10	-.13
08:00	1.3	1.8	2.2	1.7	2.5	8.1	5.5	.18	.18
09:00	1.5	1.4	1.2	2.2	1.9	1.0	10.0	.05	.20
10:00	2.6	3.0	3.0	3.1	3.6	.6	-3.7	.05	-.27
11:00	4.8	5.7	6.5	5.4	7.0	1.6	1.1	-.02	-.09
12:00	4.4	5.2	5.7	5.0	6.2	-.2	-.3	-.12	-.27
13:00	6.2	8.1	9.3	6.6	9.9	.8	.0	-.11	-.24
14:00	5.3	8.4	11.6	5.7	11.9	-.6	-.2	-.31	-.15
15:00	6.2	8.3	10.1	6.5	10.4	1.1	1.4	-.10	-.02
16:00	2.8	3.5	4.0	3.3	4.4	-.4	.1	-.09	.01
17:00	2.7	3.5	4.0	3.2	4.4	.6	2.0	.01	.17
18:00	4.5	5.7	6.5	5.1	7.0	4.3	2.0	.27	.12
19:00	3.1	4.2	4.7	3.8	5.3	5.7	5.9	.28	.45
20:00	1.7	2.5	2.8	1.9	3.1	.4	1.9	-.02	.08
21:00	1.6	2.2	2.1	1.9	2.6	2.4	1.9	.04	.09
22:00	1.1	2.0	2.3	1.5	2.6	1.3	.9	-.01	.02
23:00	.9	1.0	.8	1.3	1.3	-1.0	1.3	-.04	.02
Avg	2.4	3.1	3.6	2.8	4.0	1.3	1.2	.00	.01
Max	6.2	8.4	11.6	6.6	11.9	8.1	10.0	.28	.45
Hr. of Max	15	14	14	13	14	08	09	19	19
Min	.2	.2	.1	.4	.6	-2.6	-3.7	-.31	-.27
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/4/2016

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	3.2	2.3	2.1	3.1	2.1	5.6	6.7	23.5	24.2
01:00	2.7	3.0	3.7	3.1	3.1	6.4	10.1	22.5	23.4
02:00	1.4	2.1	2.1	1.8	2.2	7.1	5.1	22.1	22.8
03:00	1.4	2.1	1.8	1.4	2.0	4.3	4.1	21.7	22.3
04:00	2.1	2.7	2.5	2.5	3.0	6.6	6.5	21.3	22.0
05:00	2.3	2.1	2.5	2.5	2.3	8.2	8.1	21.1	21.8
06:00	2.7	3.4	4.1	3.1	4.3	9.0	3.6	21.0	21.4
07:00	3.2	3.9	5.5	4.1	4.7	12.5	5.9	21.4	21.4
08:00	4.1	6.6	7.8	4.9	5.1	28.3	20.1	23.0	22.3
09:00	4.8	4.6	4.1	5.3	5.0	26.9	35.9	25.5	25.1
10:00	7.6	8.9	8.5	7.7	9.6	26.4	28.7	27.4	26.6
11:00	15.1	15.1	14.9	12.6	16.1	19.6	18.6	28.7	27.8
12:00	12.6	14.7	12.1	12.9	13.3	19.9	22.1	29.5	28.7
13:00	15.6	17.6	20.2	17.5	21.5	18.8	15.7	30.4	29.6
14:00	23.8	25.6	32.3	24.3	33.5	16.2	7.8	26.2	26.5
15:00	30.7	38.5	41.7	30.5	53.0	17.8	13.1	23.8	24.0
16:00	9.6	11.9	13.5	13.8	14.7	20.9	14.6	24.8	24.1
17:00	6.9	9.2	9.8	8.3	8.6	19.1	13.0	25.9	25.3
18:00	15.3	16.7	21.3	15.0	21.7	17.4	14.5	25.5	24.8
19:00	29.5	29.3	28.2	14.8	20.2	20.8	19.2	23.0	22.6
20:00	7.1	8.7	10.3	7.7	11.2	17.4	13.5	22.4	22.4
21:00	7.3	8.7	9.8	5.0	48.0	16.6	13.1	22.2	21.9
22:00	4.6	10.8	9.4	4.8	49.3	15.6	10.6	22.1	22.1
23:00	3.4	4.1	4.8	4.0	3.3	14.6	16.8	21.8	22.1
Avg	9.0	10.5	11.4	8.8	14.9	15.7	13.6	24.0	24.0
Max	30.7	38.5	41.7	30.5	53.0	28.3	35.9	30.4	29.6
Hr. of Max	15	15	15	15	15	08	09	13	13
Min	1.4	2.1	1.8	1.4	2.0	4.3	3.6	21.0	21.4
Count	24	24	24	24	24	24	24	24	24
Total									