Date Printed: 06/16/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/15/2016

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	21.5	21.7	21.9	.28	.53	.74	.25	.45
01:00	20.8	21.2	21.4	21.7	.33	.58	.93	.25	.60
02:00	20.4	20.9	21.2	21.4	.50	.80	1.04	.31	.55
03:00	20.1	20.7	20.9	21.1	.62	.81	1.02	.19	.40
04:00	20.3	20.4	20.9	21.1	.08	.61	.84	.53	.76
05:00	20.2	20.7	20.8	21.1	.51	.64	.88	.13	.37
06:00	20.1	20.5	20.7	20.9	.41	.63	.83	.21	.42
07:00	21.1	21.1	21.2	21.2	.00	.04	.09	.04	.09
08:00	22.0	21.7	21.7	21.7	-.25	-.31	-.31	-.06	-.06
09:00	22.7	22.4	22.2	22.2	-.34	-.51	-.54	-.16	-.20
10:00	24.1	23.7	23.5	23.4	-.42	-.64	-.72	-.21	-.30
11:00	25.6	25.0	24.7	24.7	-.63	-.89	-.95	-.26	-.32
12:00	27.0	26.3	26.1	26.0	-.64	-.91	-.97	-.27	-.33
13:00	28.4	27.5	27.3	27.2	-.84	-1.13	-1.21	-.29	-.37
14:00	29.3	28.5	28.2	28.0	-.80	-1.14	-1.25	-.34	-.46
15:00	30.3	29.4	29.0	28.9	-.92	-1.29	-1.41	-.38	-.49
16:00	30.3	29.7	29.4	29.3	-.58	-.87	-.95	-.29	-.37
17:00	30.5	30.0	29.7	29.7	-.50	-.76	-.85	-.26	-.35
18:00	30.6	30.3	30.0	29.9	-.36	-.64	-.75	-.27	-.38
19:00	28.3	29.2	29.3	29.5	.96	1.07	1.23	.11	.27
20:00	25.8	27.4	28.0	28.5	1.57	2.16	2.67	.59	1.10
21:00	26.5	27.2	27.3	27.5	.63	.78	.93	.15	.30
22:00	24.2	25.6	25.9	26.2	1.31	1.69	1.97	.38	.66
23:00	23.6	24.3	24.6	24.8	.71	.97	1.23	.26	.52
Avg	24.7	24.8	24.8	24.9	.07	.09	.19	.03	.12
Max	30.6	30.3	30.0	29.9	1.57	2.16	2.67	.59	1.10
Hr. of Max	18	18	18	18	20	20	20	20	20
Min	20.1	20.4	20.7	20.9	-.92	-1.29	-1.41	-.38	-.49
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/15/2016

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	20.4	20.9	20.7	25.5	97.7	98.8	17.7	18.2	0.015606
01:00	20.0	20.6	20.3	25.4	97.6	99.1	17.3	17.9	0.015232
02:00	19.6	20.3	19.8	25.2	97.5	99.2	16.9	17.6	0.01479
03:00	19.3	20.2	19.6	25.0	97.5	99.2	16.6	17.5	0.014545
04:00	19.5	19.9	19.8	24.9	97.7	99.2	16.8	17.2	0.01474
05:00	19.4	20.2	19.7	24.7	97.8	99.3	16.7	17.5	0.014664
06:00	19.3	20.0	19.6	24.6	97.6	99.2	16.6	17.3	0.014567
07:00	20.3	20.6	20.6	24.4	97.5	99.1	17.6	17.9	0.015488
08:00	20.8	20.8	21.2	24.3	95.2	97.2	18.0	18.2	0.015927
09:00	21.1	21.1	21.6	24.2	92.9	94.9	18.3	18.4	0.016224
10:00	21.4	21.1	22.3	24.2	87.0	88.0	18.6	18.4	0.016556
11:00	21.2	20.6	22.7	24.3	78.8	78.6	18.3	17.7	0.016403
12:00	20.9	20.3	23.0	24.4	71.7	71.4	18.0	17.3	0.016167
13:00	20.9	20.1	23.4	24.6	65.7	65.8	17.9	17.1	0.016116
14:00	21.2	20.5	23.9	24.9	63.5	63.6	18.1	17.4	0.016445
15:00	20.9	20.2	24.0	25.2	58.9	59.5	17.8	17.1	0.016191
16:00	20.9	20.2	24.0	25.5	59.3	58.6	17.8	17.1	0.016243
17:00	21.2	20.5	24.3	25.8	59.3	58.7	18.1	17.4	0.016478
18:00	21.2	20.7	24.3	26.1	58.9	58.3	18.1	17.6	0.016496
19:00	22.2	21.3	24.2	26.3	72.2	64.4	19.3	18.3	0.01754
20:00	22.5	21.6	23.6	26.4	84.5	73.0	19.8	18.7	0.017864
21:00	20.0	19.6	22.2	26.3	70.1	65.4	17.1	16.6	0.015391
22:00	19.8	18.4	21.3	26.2	78.1	66.3	16.9	15.4	0.015037
23:00	18.6	17.8	20.3	26.1	75.6	68.8	15.8	15.0	0.013998
Avg	20.5	20.3	21.9	25.2	81.4	80.2	17.7	17.5	0.015779
Max	22.5	21.6	24.3	26.4	97.8	99.3	19.8	18.7	0.017864
Hr. of Max	20	20	18	20	05	05	20	20	20
Min	18.6	17.8	19.6	24.2	58.9	58.3	15.8	15.0	0.013998
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)

6/15/2016

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	0.016061	24.1	24.7	.00	29.03	983.1	-2.3	.00	274.5
01:00	0.01578	23.5	24.3	.00	29.03	983.1	-2.6	.00	277.5
02:00	0.015508	22.8	23.9	.00	29.03	983.0	-2.1	.00	282.9
03:00	0.015368	22.5	23.7	.00	29.03	983.0	-2.5	.00	285.7
04:00	0.015056	22.8	23.2	.00	29.03	983.1	-2.1	.00	240.7
05:00	0.015352	22.6	23.7	.00	29.04	983.4	-2.1	.00	258.2
06:00	0.015188	22.5	23.4	.00	29.05	983.7	8.7	.01	299.6
07:00	0.015736	23.9	24.3	.00	29.06	984.0	69.7	.10	11.8
08:00	0.016012	24.6	24.7	.00	29.07	984.4	55.8	.08	242.1
09:00	0.016228	25.0	25.0	.00	29.08	984.7	178.6	.26	249.6
10:00	0.016316	25.5	25.2	.00	29.07	984.6	285.6	.41	243.6
11:00	0.015758	25.3	24.3	.00	29.08	984.7	502.8	.72	237.0
12:00	0.015498	24.9	23.9	.00	29.07	984.4	536.7	.77	226.5
13:00	0.015371	24.8	23.7	.00	29.05	983.8	706.1	1.01	204.5
14:00	0.015725	25.3	24.2	.00	29.02	982.8	779.2	1.12	197.7
15:00	0.015486	24.9	23.8	.00	28.99	981.6	746.8	1.07	215.8
16:00	0.015523	25.0	23.9	.00	28.97	981.1	416.7	.60	215.1
17:00	0.015836	25.3	24.4	.00	28.97	981.2	400.3	.57	226.0
18:00	0.015996	25.3	24.6	.00	28.96	980.6	337.7	.48	223.5
19:00	0.016596	26.9	25.5	.00	28.96	980.7	111.0	.16	244.3
20:00	0.016935	27.4	26.0	.00	28.96	980.7	10.5	.02	259.4
21:00	0.014965	23.7	23.0	.00	28.97	980.9	-2.3	.00	260.0
22:00	0.013798	23.1	21.3	.00	28.95	980.4	-2.1	.00	248.7
23:00	0.013297	21.6	20.5	.00	28.97	981.2	-2.0	.00	238.9
Avg	0.015558	24.3	24.0	.00	29.02	982.7	213.6	.31	247.0
Max	0.016935	27.4	26.0	.00	29.08	984.7	779.2	1.12	299.6
Hr. of Max	20	20	20	23	11	11	14	14	06
Min	0.013297	21.6	20.5	.00	28.95	980.4	-2.6	.00	11.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/15/2016

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	257.2	163.7	278.0	21.1	32.4	39.9	1.5	1.4	.9
01:00	254.8	230.8	281.4	32.7	32.3	28.9	.8	1.1	1.5
02:00	240.6	164.8	287.2	36.2	43.9	32.8	.7	.6	.7
03:00	356.3	127.1	278.5	35.3	48.8	16.6	.9	.5	.1
04:00	252.9	227.3	248.8	44.2	46.2	19.0	1.1	1.7	2.4
05:00	255.6	120.7	263.7	43.6	51.1	15.9	.5	.1	.6
06:00	266.7	184.1	293.3	45.5	14.0	12.6	.6	1.0	1.3
07:00	34.6	121.1	321.4	65.4	62.1	12.7	.2	.2	.2
08:00	215.6	171.4	246.8	19.9	28.3	12.1	.6	.7	1.3
09:00	245.6	230.6	254.9	25.3	21.0	17.5	1.9	2.6	3.3
10:00	251.8	247.5	247.7	36.5	27.9	25.0	1.7	2.7	3.3
11:00	248.8	244.4	243.4	38.4	31.8	28.7	2.1	2.9	3.4
12:00	239.4	231.7	231.3	35.1	31.7	22.9	2.3	2.8	3.2
13:00	214.7	212.4	212.1	35.8	24.9	21.6	3.3	4.3	5.1
14:00	208.0	204.7	201.5	31.5	26.6	22.9	3.7	4.6	5.8
15:00	221.2	217.0	221.4	31.3	23.7	22.0	4.1	5.7	6.5
16:00	221.7	218.9	221.3	26.1	21.8	19.6	3.8	5.4	6.5
17:00	231.7	226.8	232.6	26.5	18.7	13.9	4.2	6.2	7.9
18:00	228.4	224.5	228.9	24.6	18.5	13.6	4.5	6.4	8.1
19:00	238.8	232.2	248.5	17.1	10.5	8.5	2.5	4.7	6.3
20:00	242.1	234.7	261.0	26.8	11.5	5.6	1.3	3.4	5.5
21:00	264.4	271.6	264.2	23.0	21.1	17.0	4.7	6.8	9.1
22:00	227.9	228.6	252.3	30.4	21.5	18.1	1.8	3.0	3.8
23:00	243.4	241.5	244.2	23.5	13.9	11.8	4.0	6.7	8.3
Avg	243.0	211.0	252.0	32.3	28.5	19.1	.0	.0	.0
Max	356.3	271.6	321.4	65.4	62.1	39.9	4.7	6.8	9.1
Hr. of Max	03	21	07	07	07	00	21	21	21
Min	34.6	120.7	201.5	17.1	10.5	5.6	.2	.1	.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)

6/15/2016

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	2.1	2.5	2.0	2.4	2.3	-2.4	.2	-.11	-.03
01:00	1.2	1.3	1.6	1.5	1.9	.3	-.4	-.01	-.01
02:00	.9	.9	1.0	1.2	1.4	-.1	-1.9	-.03	-.03
03:00	1.0	.7	.2	1.4	.7	.4	.1	.01	.00
04:00	1.3	1.9	2.4	1.7	2.7	.7	-.7	.01	-.04
05:00	1.1	1.0	.7	1.4	1.2	.3	2.2	.00	.05
06:00	.7	1.0	1.4	1.1	1.7	.7	-.7	.01	-.02
07:00	.2	.3	.2	.6	.6	5.2	-1.2	.09	-.01
08:00	.7	.8	1.4	1.1	1.7	-1.9	-5.1	-.03	-.17
09:00	2.1	2.8	3.5	2.5	3.8	-.1	-3.0	-.08	-.23
10:00	2.3	3.2	3.9	2.8	4.2	3.1	1.4	-.05	-.04
11:00	2.6	3.3	3.8	3.0	4.2	.3	-4.6	-.09	-.44
12:00	2.8	3.2	3.5	3.3	4.0	-1.6	-1.0	-.18	-.16
13:00	3.8	4.7	5.4	4.3	5.8	-1.1	-5.8	-.20	-.67
14:00	4.2	5.0	6.1	4.7	6.6	1.9	.1	-.02	-.18
15:00	4.8	6.2	7.0	5.4	7.5	-.7	-2.2	-.24	-.47
16:00	4.4	6.0	7.0	4.9	7.6	.0	-.1	-.21	-.19
17:00	4.6	6.5	8.1	5.3	8.7	-1.5	-1.6	-.30	-.37
18:00	4.9	6.7	8.3	5.5	8.9	-2.3	-1.1	-.37	-.30
19:00	2.7	4.8	6.3	3.1	6.7	-1.5	-1.1	-.13	-.15
20:00	1.4	3.5	5.6	1.7	5.9	-2.4	-.3	-.09	-.04
21:00	5.1	7.3	9.6	5.4	9.9	-2.1	-2.5	-.36	-.60
22:00	2.1	3.4	4.3	2.4	4.6	-.1	-1.0	-.03	-.08
23:00	4.4	7.0	8.7	4.8	9.1	-2.3	-1.2	-.27	-.22
Avg	2.6	3.5	4.3	3.0	4.7	-.3	-1.3	-.11	-.18
Max	5.1	7.3	9.6	5.5	9.9	5.2	2.2	.09	.05
Hr. of Max	21	21	21	18	21	07	05	07	05
Min	.2	.3	.2	.6	.6	-2.4	-5.8	-.37	-.67
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/15/2016

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	4.1	5.5	7.8	4.8	4.9	9.5	8.0	23.1	23.3
01:00	2.7	4.6	4.6	3.4	3.6	9.1	6.0	22.7	23.1
02:00	2.7	3.7	3.4	2.8	3.6	8.9	7.1	22.4	22.7
03:00	2.3	2.7	2.1	2.8	2.3	6.5	5.9	22.2	22.4
04:00	3.9	5.0	4.1	3.9	4.4	7.1	4.2	21.9	22.4
05:00	2.5	3.0	2.7	2.8	2.9	8.0	9.3	22.2	22.3
06:00	3.9	3.9	3.0	2.4	3.3	8.7	8.4	22.0	22.2
07:00	2.1	1.4	2.1	1.9	2.2	16.0	14.7	22.7	22.5
08:00	2.3	3.4	7.1	2.3	3.3	17.2	10.7	23.4	22.9
09:00	5.3	6.6	7.1	6.3	7.7	18.9	11.1	24.0	23.3
10:00	7.6	7.3	8.5	8.6	8.4	24.2	17.8	25.4	24.6
11:00	7.3	8.2	8.9	7.5	9.2	24.4	17.5	26.5	25.7
12:00	8.0	7.8	7.6	8.2	8.9	20.8	21.6	27.7	27.0
13:00	12.1	12.6	12.6	13.1	13.1	20.2	15.8	28.9	28.0
14:00	12.4	12.6	15.1	13.1	13.3	21.8	16.5	29.8	29.0
15:00	13.7	15.3	15.1	14.7	15.5	18.8	15.0	30.6	29.7
16:00	10.8	11.9	13.1	13.2	14.7	18.2	14.5	30.9	30.2
17:00	14.2	15.6	16.5	15.7	16.4	17.5	9.6	31.3	30.5
18:00	14.4	16.7	24.5	13.0	14.8	16.3	9.7	31.6	30.9
19:00	8.7	10.8	14.7	10.5	12.8	10.9	5.5	30.7	30.6
20:00	3.7	8.9	13.3	4.1	9.1	8.0	2.7	29.0	29.8
21:00	15.6	22.0	27.9	15.6	28.5	14.8	10.0	28.5	28.4
22:00	5.0	7.6	7.8	5.4	8.2	8.8	6.0	26.8	27.1
23:00	13.7	18.5	22.0	15.4	23.2	10.1	4.9	25.5	25.7
Avg	7.5	9.0	10.5	8.0	9.8	14.4	10.5	26.2	26.0
Max	15.6	22.0	27.9	15.7	28.5	24.4	21.6	31.6	30.9
Hr. of Max	21	21	21	17	21	11	12	18	18
Min	2.1	1.4	2.1	1.9	2.2	6.5	2.7	21.9	22.2
Count	24	24	24	24	24	24	24	24	24
Total									