Date Printed: 06/17/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/16/2016

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	22.8	23.5	23.7	23.9	.70	.92	1.12	.21	.41
01:00	21.6	22.5	22.6	22.7	.90	1.03	1.12	.12	.22
02:00	20.0	20.8	21.3	21.6	.84	1.28	1.58	.43	.74
03:00	19.2	20.1	20.5	20.8	.92	1.32	1.67	.39	.75
04:00	18.4	19.4	19.7	19.9	.96	1.28	1.51	.32	.55
05:00	18.0	18.8	18.9	19.2	.75	.92	1.19	.17	.45
06:00	18.0	18.4	18.7	19.0	.41	.64	.96	.23	.56
07:00	19.4	19.3	19.2	19.3	-.12	-.15	-.04	-.03	.08
08:00	21.4	21.0	20.7	20.6	-.44	-.72	-.82	-.28	-.38
09:00	23.5	22.8	22.4	22.3	-.71	-1.06	-1.18	-.35	-.47
10:00	25.4	24.5	24.2	24.1	-.84	-1.21	-1.31	-.36	-.47
11:00	27.0	25.9	25.7	25.5	-1.07	-1.35	-1.48	-.29	-.41
12:00	28.6	27.5	27.1	26.9	-1.13	-1.52	-1.65	-.39	-.52
13:00	30.1	28.8	28.5	28.5	-1.27	-1.56	-1.59	-.30	-.32
14:00	31.6	30.4	30.0	29.9	-1.15	-1.53	-1.64	-.38	-.49
15:00	32.8	31.8	31.4	31.3	-1.05	-1.45	-1.55	-.41	-.50
16:00	33.5	32.8	32.4	32.3	-.76	-1.13	-1.28	-.36	-.51
17:00	33.7	33.1	32.9	32.7	-.57	-.81	-.95	-.24	-.37
18:00	32.7	32.6	32.5	32.5	-.13	-.22	-.21	-.09	-.08
19:00	29.9	31.1	31.4	31.5	1.25	1.49	1.67	.23	.41
20:00	26.4	29.0	29.9	30.4	2.59	3.52	4.00	.92	1.41
21:00	24.4	27.3	28.3	29.0	2.90	3.92	4.60	1.02	1.69
22:00	23.6	27.0	27.6	28.3	3.39	4.00	4.71	.61	1.31
23:00	23.7	25.8	27.0	27.8	2.08	3.30	4.08	1.21	1.99
Avg	25.2	25.6	25.7	25.8	.35	.45	.60	.10	.25
Max	33.7	33.1	32.9	32.7	3.39	4.00	4.71	1.21	1.99
Hr. of Max	17	17	17	17	22	22	22	23	23
Min	18.0	18.4	18.7	19.0	-1.27	-1.56	-1.65	-.41	-.52
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)

6/16/2016

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	17.0	19.4	25.9	75.1	68.8	15.0	14.3	0.013216
01:00	17.4	17.0	18.8	25.7	79.1	72.8	14.7	14.3	0.012932
02:00	17.5	17.3	18.4	25.5	87.6	81.7	14.9	14.6	0.013012
03:00	17.5	17.4	18.0	25.3	91.8	86.1	14.8	14.7	0.012946
04:00	17.1	17.3	17.6	25.1	94.2	89.5	14.6	14.7	0.012668
05:00	16.9	17.5	17.3	24.8	94.9	94.1	14.3	14.9	0.012455
06:00	16.9	17.6	17.3	24.6	95.2	96.7	14.4	15.0	0.012497
07:00	17.6	17.5	18.2	24.4	91.6	91.2	15.0	14.8	0.013066
08:00	17.9	17.4	19.1	24.2	82.5	81.7	15.2	14.7	0.013333
09:00	17.9	17.2	19.8	24.1	72.8	72.4	15.1	14.4	0.013337
10:00	18.0	17.0	20.4	24.0	65.1	64.6	15.0	14.2	0.01339
11:00	18.6	17.6	21.4	24.1	61.5	61.6	15.5	14.7	0.013936
12:00	19.6	18.7	22.6	24.3	60.1	60.6	16.5	15.7	0.014937
13:00	20.5	19.7	23.7	24.7	58.4	59.7	17.4	16.6	0.015806
14:00	21.2	20.5	24.6	25.2	56.0	57.3	18.1	17.4	0.016528
15:00	21.0	20.3	25.0	25.6	51.7	52.3	17.8	17.1	0.016409
16:00	20.6	19.6	24.9	26.0	48.4	47.4	17.3	16.3	0.015968
17:00	19.4	18.4	24.2	26.5	44.7	43.3	16.1	15.2	0.014872
18:00	19.2	17.7	23.7	26.8	46.6	42.6	16.0	14.6	0.014689
19:00	20.3	18.8	23.5	27.0	58.7	49.6	17.2	15.7	0.015696
20:00	20.9	19.0	22.7	27.1	73.9	56.7	17.9	15.9	0.016163
21:00	20.0	18.9	21.5	27.0	78.5	61.7	17.1	15.8	0.015301
22:00	20.1	19.1	21.2	26.8	82.7	63.9	17.2	16.1	0.015342
23:00	20.2	19.5	21.4	26.7	82.8	70.0	17.3	16.5	0.015466
Avg	18.9	18.3	21.0	25.5	72.2	67.8	16.0	15.3	0.014332
Max	21.2	20.5	25.0	27.1	95.2	96.7	18.1	17.4	0.016528
Hr. of Max	14	14	15	20	06	06	14	14	14
Min	16.9	17.0	17.3	24.0	44.7	42.6	14.3	14.2	0.012455
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)

6/16/2016

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	0.012634	20.4	19.5	.00	28.98	981.3	-2.6	.00	243.5
01:00	0.01259	20.0	19.5	.00	28.98	981.3	-3.0	.00	232.0
02:00	0.012786	20.1	19.8	.00	28.98	981.3	-3.2	.00	228.9
03:00	0.012861	20.0	19.9	.00	28.98	981.3	-2.8	.00	237.6
04:00	0.012792	19.6	19.8	.00	28.99	981.7	-2.9	.00	245.3
05:00	0.012944	19.3	20.0	.00	29.00	982.3	-2.2	.00	242.7
06:00	0.013018	19.4	20.1	.00	29.02	982.9	9.9	.01	239.5
07:00	0.012917	20.2	20.0	.00	29.03	983.0	109.4	.16	229.8
08:00	0.012854	20.6	19.9	.00	29.03	983.2	350.2	.50	219.7
09:00	0.012719	20.6	19.7	.00	29.03	983.2	548.0	.79	208.5
10:00	0.012624	20.7	19.6	.00	29.02	982.9	728.9	1.04	197.4
11:00	0.013107	21.5	20.3	.00	29.01	982.6	875.9	1.26	207.8
12:00	0.01411	23.0	21.8	.00	29.01	982.3	989.6	1.42	201.6
13:00	0.015025	24.3	23.2	.00	28.99	981.8	1022.3	1.47	201.1
14:00	0.01584	25.4	24.4	.00	28.97	981.2	1002.6	1.44	205.9
15:00	0.015649	25.2	24.1	.00	28.95	980.5	922.2	1.32	229.5
16:00	0.014982	24.5	23.0	.00	28.93	979.8	550.7	.79	229.4
17:00	0.013956	22.9	21.5	.00	28.92	979.3	468.7	.67	256.9
18:00	0.013355	22.6	20.6	.00	28.90	978.7	338.7	.49	258.4
19:00	0.014302	24.1	22.0	.00	28.90	978.8	163.7	.23	251.1
20:00	0.014407	24.8	22.2	.00	28.91	979.1	22.9	.03	239.6
21:00	0.014275	23.5	22.0	.00	28.91	979.1	-1.8	.00	256.9
22:00	0.014498	23.6	22.3	.00	28.91	979.2	-2.4	.00	239.5
23:00	0.014809	23.8	22.8	.00	28.91	979.0	-2.2	.00	228.0
Avg	0.013711	22.1	21.2	.00	28.97	981.1	336.7	.48	230.0
Max	0.01584	25.4	24.4	.00	29.03	983.2	1022.3	1.47	258.4
Hr. of Max	14	14	14	23	09	09	13	13	18
Min	0.01259	19.3	19.5	.00	28.90	978.7	-3.2	.00	197.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/16/2016

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	250.4	251.5	248.2	15.0	9.6	8.4	4.3	7.0	8.8
01:00	244.6	251.7	237.5	38.6	30.0	25.6	2.7	4.5	5.9
02:00	234.3	240.1	232.7	22.4	12.2	10.6	2.8	5.5	6.7
03:00	231.4	227.4	241.5	30.8	21.2	13.6	1.7	3.7	5.5
04:00	235.9	210.9	247.7	31.2	11.5	6.6	.9	2.5	3.8
05:00	235.7	223.7	247.4	9.9	7.0	5.4	2.7	4.8	6.0
06:00	237.4	234.7	244.7	13.4	5.3	4.2	2.8	5.4	6.8
07:00	233.7	224.1	235.9	18.8	14.0	10.4	2.1	3.4	4.5
08:00	226.6	221.8	226.0	22.0	17.4	13.5	3.1	3.9	4.4
09:00	217.4	214.7	214.7	21.4	18.1	15.0	3.7	4.6	5.2
10:00	209.1	209.2	204.3	28.4	24.0	20.3	3.8	4.7	5.1
11:00	220.0	217.6	213.6	37.0	25.3	22.7	3.5	4.5	5.1
12:00	214.1	214.9	207.1	37.4	29.3	25.1	3.8	4.7	5.5
13:00	209.0	207.8	207.6	27.3	22.9	20.4	4.7	5.6	5.8
14:00	213.4	212.4	212.4	26.5	20.7	18.1	4.8	6.1	7.0
15:00	233.8	230.1	234.8	31.4	25.0	19.0	4.1	5.5	6.5
16:00	241.8	238.2	233.9	36.3	28.8	24.8	3.2	4.2	4.8
17:00	261.3	260.2	259.1	34.0	25.1	21.4	3.0	4.3	5.5
18:00	258.1	256.7	262.9	24.2	15.3	12.1	3.6	6.1	7.8
19:00	254.1	253.6	256.3	16.6	10.3	9.2	3.4	6.1	8.0
20:00	244.0	245.1	242.6	14.6	9.4	7.3	2.3	4.8	7.1
21:00	235.0	227.4	257.0	19.8	4.9	3.0	1.5	4.0	6.8
22:00	237.3	230.3	243.8	7.4	4.4	3.3	2.9	5.7	7.9
23:00	238.9	246.6	233.5	7.0	5.7	5.5	3.4	5.5	7.2
Avg	234.0	231.0	235.0	23.8	16.6	13.6	.0	.0	.0
Max	261.3	260.2	262.9	38.6	30.0	25.6	4.8	7.0	8.8
Hr. of Max	17	17	18	01	01	01	14	00	00
Min	209.0	207.8	204.3	7.0	4.4	3.0	.9	2.5	3.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/16/2016

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	4.4	7.1	9.0	4.8	9.4	-1.0	-.9	-.17	-.19
01:00	3.3	5.1	6.4	3.8	6.7	1.4	1.1	-.05	.00
02:00	3.1	5.7	6.8	3.5	7.2	-1.2	.6	-.11	.07
03:00	2.0	4.0	5.8	2.4	6.1	-1.3	.2	-.08	.03
04:00	1.2	2.6	3.9	1.5	4.1	.8	-.2	.00	-.02
05:00	2.8	4.8	6.1	3.2	6.4	-2.0	-.6	-.13	-.08
06:00	2.9	5.5	6.8	3.3	7.2	-1.7	-.1	-.14	-.02
07:00	2.3	3.5	4.5	2.7	4.8	-3.4	-2.4	-.22	-.20
08:00	3.4	4.1	4.6	3.8	5.0	-1.4	-4.4	-.21	-.44
09:00	4.0	4.9	5.4	4.5	5.9	.3	-2.9	-.10	-.37
10:00	4.3	5.1	5.5	4.8	5.9	-.1	-1.6	-.09	-.25
11:00	4.1	4.9	5.5	4.8	6.1	-1.0	-4.6	-.23	-.55
12:00	4.4	5.3	6.1	5.0	6.6	.0	-.8	-.11	-.28
13:00	5.2	6.1	6.2	5.8	6.7	.0	-.6	-.10	-.21
14:00	5.4	6.6	7.4	6.1	7.9	1.6	-1.4	.02	-.33
15:00	4.7	6.1	6.9	5.3	7.5	-1.7	-3.2	-.34	-.50
16:00	4.0	4.8	5.4	4.6	6.0	1.0	.2	-.05	-.12
17:00	3.5	4.7	5.9	4.1	6.3	-.2	.8	-.24	-.02
18:00	3.9	6.3	8.0	4.5	8.5	-2.0	-.9	-.32	-.25
19:00	3.6	6.2	8.1	4.1	8.5	-2.5	-.3	-.24	-.10
20:00	2.3	5.0	7.3	2.7	7.6	-.1	.0	-.02	-.03
21:00	1.6	4.0	6.8	2.0	7.2	-1.5	-.2	-.06	-.03
22:00	3.0	5.7	8.0	3.3	8.4	-1.3	-.1	-.09	-.01
23:00	3.5	5.6	7.2	3.8	7.6	-2.6	.2	-.19	.01
Avg	3.5	5.2	6.4	3.9	6.8	-.8	-.9	-.14	-.16
Max	5.4	7.1	9.0	6.1	9.4	1.6	1.1	.02	.07
Hr. of Max	14	00	00	14	00	14	01	14	02
Min	1.2	2.6	3.9	1.5	4.1	-3.4	-4.6	-.34	-.55
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/16/2016

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	9.4	11.9	14.7	9.9	16.8	9.9	5.1	24.6	24.7
01:00	11.4	16.5	15.8	11.2	16.3	13.8	8.9	23.7	23.6
02:00	9.4	12.8	12.6	9.0	11.9	8.4	3.8	22.1	22.5
03:00	8.0	11.7	14.9	5.1	8.7	9.0	3.2	21.3	21.8
04:00	2.5	4.1	8.9	3.0	5.7	8.1	3.3	20.6	20.9
05:00	4.8	6.9	9.2	5.6	8.6	5.1	2.0	20.1	20.3
06:00	5.7	8.9	11.2	6.2	10.4	8.3	2.2	19.7	19.9
07:00	5.3	11.9	12.8	5.6	8.4	13.7	7.5	20.5	20.2
08:00	8.2	8.0	8.7	9.2	9.2	17.2	12.6	22.1	21.3
09:00	10.8	14.0	10.1	10.5	11.3	18.0	14.3	23.8	23.0
10:00	11.2	11.7	11.4	10.0	10.2	17.9	18.8	25.5	24.7
11:00	11.4	10.5	11.9	12.2	13.6	21.2	19.0	26.9	26.1
12:00	10.8	13.3	13.7	12.9	14.5	21.4	20.5	28.6	27.6
13:00	11.0	11.7	11.7	11.8	12.6	18.0	18.1	30.1	29.2
14:00	18.8	15.3	17.9	12.6	13.2	18.4	15.7	31.7	30.7
15:00	11.0	17.2	21.1	12.6	13.2	18.9	14.6	32.9	32.0
16:00	9.8	10.3	10.8	11.0	11.9	20.6	18.4	33.8	32.9
17:00	13.7	13.5	15.3	14.5	16.1	20.7	15.2	34.1	33.2
18:00	10.3	16.0	16.3	13.3	15.9	15.5	9.0	33.5	32.9
19:00	8.0	17.9	21.3	8.4	15.4	10.4	6.5	32.2	32.2
20:00	5.3	11.2	13.5	6.9	13.5	6.8	4.1	30.1	31.2
21:00	4.6	7.6	13.3	4.3	9.4	6.3	1.2	28.5	30.0
22:00	4.6	9.6	13.3	5.1	10.7	4.4	1.7	28.2	29.3
23:00	6.2	13.1	17.4	5.4	12.5	4.1	4.1	27.1	28.9
Avg	8.8	11.9	13.7	9.0	12.1	13.2	9.6	26.7	26.6
Max	18.8	17.9	21.3	14.5	16.8	21.4	20.5	34.1	33.2
Hr. of Max	14	19	19	17	00	12	12	17	17
Min	2.5	4.1	8.7	3.0	5.7	4.1	1.2	19.7	19.9
Count	24	24	24	24	24	24	24	24	24
Total									