Date Printed: 10/05/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/4/2016

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	15.2	17.9	18.2	18.7	2.72	3.04	3.51	.32	.79
01:00	15.5	17.5	17.8	18.1	1.99	2.26	2.59	.27	.60
02:00	15.9	17.2	17.5	17.8	1.32	1.61	1.99	.29	.67
03:00	15.6	16.7	16.9	17.3	1.10	1.28	1.67	.18	.57
04:00	15.1	16.3	16.6	16.9	1.25	1.47	1.83	.23	.58
05:00	14.8	15.9	16.2	16.6	1.10	1.38	1.75	.28	.65
06:00	14.5	15.6	15.7	16.0	1.12	1.21	1.53	.09	.41
07:00	15.1	15.7	15.8	16.0	.65	.74	.97	.09	.32
08:00	16.2	16.3	16.3	16.4	.09	.08	.22	-.01	.13
09:00	18.6	18.3	18.1	18.0	-.32	-.53	-.63	-.21	-.31
10:00	21.5	20.7	20.4	20.2	-.79	-1.13	-1.30	-.33	-.50
11:00	24.0	22.8	22.4	22.3	-1.13	-1.52	-1.64	-.39	-.51
12:00	25.5	24.5	24.1	23.9	-1.01	-1.43	-1.65	-.42	-.64
13:00	27.1	25.9	25.5	25.4	-1.22	-1.61	-1.77	-.39	-.55
14:00	27.9	26.7	26.4	26.2	-1.18	-1.54	-1.69	-.35	-.51
15:00	28.7	27.7	27.2	27.0	-1.03	-1.50	-1.72	-.47	-.69
16:00	29.1	28.2	27.8	27.5	-.87	-1.29	-1.54	-.41	-.67
17:00	28.8	28.2	27.9	27.7	-.61	-.93	-1.09	-.32	-.48
18:00	26.4	27.3	27.4	27.5	.87	1.03	1.14	.17	.27
19:00	22.3	24.3	25.1	25.9	2.06	2.82	3.60	.77	1.54
20:00	20.7	22.8	23.0	24.4	2.04	2.30	3.61	.26	1.57
21:00	19.4	21.5	22.3	23.1	2.14	2.91	3.71	.78	1.57
22:00	18.4	21.0	22.3	22.9	2.68	3.89	4.59	1.21	1.91
23:00	17.5	19.4	20.2	21.8	1.93	2.69	4.30	.76	2.37
Avg	20.6	21.2	21.3	21.6	.62	.72	1.00	.10	.38
Max	29.1	28.2	27.9	27.7	2.72	3.89	4.59	1.21	2.37
Hr. of Max	16	17	17	17	00	22	22	22	23
Min	14.5	15.6	15.7	16.0	-1.22	-1.61	-1.77	-.47	-.69
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)

10/4/2016

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	11.7	12.1	12.8	21.9	80.7	70.1	10.3	10.6	0.008809
01:00	12.2	12.5	13.3	21.7	81.9	73.6	10.7	10.8	0.009125
02:00	12.6	12.7	13.7	21.5	82.5	76.3	11.0	11.0	0.009399
03:00	12.7	12.9	13.7	21.3	83.9	79.2	11.1	11.1	0.009431
04:00	12.7	13.0	13.5	21.2	86.9	81.9	11.0	11.2	0.009409
05:00	12.6	12.9	13.4	21.0	87.9	83.6	11.0	11.2	0.009375
06:00	12.7	13.0	13.3	20.9	90.2	85.8	11.1	11.3	0.009399
07:00	12.9	12.9	13.6	20.7	88.2	84.9	11.2	11.2	0.009527
08:00	13.3	13.0	14.3	20.6	84.6	82.1	11.5	11.2	0.009817
09:00	13.4	12.9	15.2	20.5	72.9	72.0	11.5	11.1	0.009871
10:00	13.6	13.1	16.2	20.5	62.0	63.2	11.5	11.2	0.009998
11:00	13.1	12.7	16.7	20.6	51.8	53.9	11.1	10.8	0.009711
12:00	13.0	12.6	17.2	20.8	47.1	48.6	11.0	10.7	0.009694
13:00	11.8	11.7	16.9	21.2	39.6	42.0	10.2	10.1	0.008993
14:00	11.0	10.9	16.6	21.8	35.9	38.2	9.6	9.6	0.008541
15:00	10.2	10.2	16.4	22.2	32.5	34.5	9.1	9.1	0.008104
16:00	9.7	9.6	16.2	22.6	30.8	32.2	8.8	8.8	0.007852
17:00	10.0	9.7	16.2	22.8	31.8	32.4	9.0	8.8	0.007975
18:00	11.7	10.8	16.6	23.0	41.3	36.7	10.1	9.5	0.008914
19:00	12.6	11.8	15.8	23.1	55.5	46.6	10.8	10.2	0.009415
20:00	12.9	12.6	15.5	23.1	61.8	53.7	11.0	10.8	0.009562
21:00	13.2	13.1	15.3	23.0	68.7	60.0	11.3	11.2	0.00978
22:00	13.3	13.1	15.0	22.9	73.8	61.9	11.4	11.2	0.009833
23:00	13.2	13.6	14.6	22.7	77.3	70.5	11.4	11.6	0.009752
Avg	12.3	12.2	15.1	21.7	64.6	61.0	10.7	10.6	0.009262
Max	13.6	13.6	17.2	23.1	90.2	85.8	11.5	11.6	0.009998
Hr. of Max	10	23	12	20	06	06	10	23	10
Min	9.7	9.6	12.8	20.5	30.8	32.2	8.8	8.8	0.007852
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)

10/4/2016

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	0.009107	13.8	14.2	.00	29.11	985.8	-2.2	.00	73.1
01:00	0.009304	14.3	14.5	.00	29.11	985.9	-2.3	.00	122.7
02:00	0.009448	14.7	14.8	.00	29.12	986.1	-2.0	.00	49.5
03:00	0.009546	14.7	14.9	.00	29.12	986.2	-2.0	.00	63.9
04:00	0.009608	14.7	15.0	.00	29.13	986.3	-2.0	.00	74.5
05:00	0.009569	14.7	15.0	.00	29.14	986.8	-1.6	.00	72.9
06:00	0.009599	14.7	15.0	.00	29.16	987.4	-1.6	.00	73.2
07:00	0.009565	14.9	15.0	.00	29.17	987.9	2.1	.00	66.7
08:00	0.009593	15.4	15.0	.00	29.19	988.5	106.6	.15	83.6
09:00	0.009561	15.4	15.0	.00	29.20	988.9	228.6	.33	80.8
10:00	0.00971	15.6	15.2	.00	29.20	989.0	526.8	.76	85.7
11:00	0.009434	15.2	14.8	.00	29.20	988.9	667.8	.96	105.0
12:00	0.009425	15.2	14.8	.00	29.19	988.5	699.2	1.00	136.8
13:00	0.00887	14.1	13.9	.00	29.17	987.8	788.4	1.13	102.5
14:00	0.008462	13.4	13.2	.00	29.15	987.0	679.8	.97	112.1
15:00	0.0081	12.7	12.7	.00	29.13	986.4	684.0	.98	61.1
16:00	0.007787	12.3	12.2	.00	29.11	986.0	512.8	.74	72.0
17:00	0.007837	12.5	12.3	.00	29.11	985.8	305.6	.44	82.4
18:00	0.008388	13.9	13.1	.00	29.11	985.8	75.4	.11	49.3
19:00	0.008956	14.7	14.0	.00	29.11	985.9	.7	.00	352.8
20:00	0.009415	14.9	14.7	.00	29.12	986.2	-2.7	.00	25.0
21:00	0.009745	15.3	15.2	.00	29.14	986.8	-2.0	.00	320.2
22:00	0.00972	15.4	15.2	.00	29.16	987.4	-1.8	.00	307.9
23:00	0.01004	15.2	15.7	.00	29.17	987.8	-1.8	.00	40.2
Avg	0.0092	14.5	14.4	.00	29.15	987.0	219.0	.32	69.0
Max	0.01004	15.6	15.7	.00	29.20	989.0	788.4	1.13	352.8
Hr. of Max	23	10	23	23	11	10	13	13	19
Min	0.007787	12.3	12.2	.00	29.11	985.8	-2.7	.00	25.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/4/2016

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	50.6	57.7	77.4	46.4	26.6	12.2	5.2	.7	2.5
01:00	46.8	63.0	135.4	51.6	56.7	55.7	14.0	.2	1.2
02:00	52.5	58.6	53.1	47.5	13.2	7.9	4.1	1.7	3.5
03:00	57.9	59.4	68.0	48.2	17.9	10.2	4.6	1.5	2.9
04:00	58.3	55.7	77.8	44.0	12.5	8.3	4.0	1.7	2.9
05:00	54.7	56.9	80.8	45.4	30.6	8.7	3.9	1.4	3.3
06:00	60.1	57.0	75.5	45.0	12.7	7.6	4.3	1.2	2.1
07:00	47.3	53.2	71.8	41.1	17.7	8.0	4.4	1.2	2.9
08:00	55.2	56.0	87.1	43.0	29.3	19.5	9.6	.7	1.7
09:00	70.8	64.9	84.7	53.0	24.3	24.7	17.7	2.6	3.0
10:00	75.8	67.8	88.2	56.6	21.5	22.1	18.3	3.8	4.3
11:00	90.8	86.7	107.3	75.2	41.4	32.5	25.1	2.9	3.2
12:00	92.8	98.0	142.5	84.4	64.3	56.7	59.3	1.1	1.0
13:00	102.4	102.5	103.0	88.5	62.4	57.5	50.9	2.7	2.7
14:00	116.2	112.6	113.5	102.6	39.1	34.9	27.7	3.8	4.2
15:00	52.1	59.1	61.3	45.5	53.4	51.7	42.8	2.6	3.8
16:00	66.3	64.3	71.6	52.4	35.5	28.5	19.4	3.7	5.3
17:00	82.3	80.5	83.7	68.8	24.2	19.4	16.3	4.1	5.6
18:00	61.3	71.0	50.8	58.0	42.0	24.4	16.9	1.1	2.5
19:00	53.6	62.1	359.8	48.3	22.0	16.6	8.9	.8	1.7
20:00	70.9	62.7	40.7	49.9	15.0	9.0	5.2	.3	1.2
21:00	115.9	121.3	297.7	112.0	50.3	44.7	30.6	.6	1.4
22:00	225.6	201.1	258.8	195.1	25.8	35.9	7.9	.8	2.8
23:00	30.5	329.8	60.0	311.6	68.0	42.8	25.0	.4	1.2
Avg	68.0	70.0	77.0	58.0	33.6	26.6	17.8	.0	.0
Max	225.6	329.8	359.8	311.6	68.0	57.5	59.3	4.1	5.6
Hr. of Max	22	23	19	23	23	13	12	17	17
Min	30.5	53.2	40.7	41.1	12.5	7.6	3.9	.2	1.0
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)

10/4/2016

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	5.5	.9	2.6	5.5	1.2	5.7	3.5	.1	.05
01:00	3.5	.7	1.6	3.6	1.0	3.8	1.9	.5	.04
02:00	5.5	1.8	3.5	5.5	1.8	5.7	-2.4	-.3	-.11
03:00	4.8	1.6	2.9	4.8	1.7	5.0	-2.1	-.5	-.08
04:00	4.6	1.8	2.9	4.6	1.9	4.8	.7	-.9	.01
05:00	5.1	1.6	3.3	5.1	1.8	5.3	1.2	-.8	.00
06:00	3.7	1.3	2.1	3.7	1.6	3.9	.9	-.8	.01
07:00	4.4	1.3	3.0	4.4	1.6	4.6	-.7	-1.7	-.06
08:00	2.9	.8	1.8	2.9	1.2	3.1	1.8	1.6	.03
09:00	3.8	2.9	3.2	3.9	3.4	4.3	1.9	8.2	.09
10:00	5.0	4.1	4.6	5.2	4.6	5.7	1.9	3.2	.09
11:00	3.4	3.4	3.6	3.7	4.0	4.3	2.4	.6	.09
12:00	1.6	2.8	3.0	3.1	3.6	3.8	1.2	.2	.02
13:00	2.8	3.9	3.8	3.5	4.6	4.4	.1	1.5	.05
14:00	4.6	4.4	4.6	4.9	5.0	5.5	2.8	-1.7	.17
15:00	4.5	3.8	4.9	5.5	4.5	6.0	-5.9	-2.1	-.53
16:00	6.4	4.3	5.7	6.6	4.8	7.1	3.4	1.6	.06
17:00	6.6	4.5	5.9	6.9	5.3	7.4	2.5	2.8	.13
18:00	3.4	1.7	3.1	3.7	2.1	4.1	2.7	6.5	.09
19:00	2.5	1.0	1.8	2.6	1.2	2.8	.7	.8	.02
20:00	2.9	.3	1.3	3.0	.6	3.2	4.4	1.7	.06
21:00	3.1	1.3	2.5	4.8	1.6	5.1	2.2	1.6	.06
22:00	5.4	1.2	2.9	5.4	1.5	5.7	1.6	-.8	.04
23:00	1.1	.7	1.6	2.0	1.0	2.2	3.3	3.5	.05
Avg	.0	2.2	3.2	4.4	2.6	4.7	1.3	1.0	.02
Max	6.6	4.5	5.9	6.9	5.3	7.4	4.4	8.2	.17
Hr. of Max	17	17	17	17	17	17	20	09	14
Min	1.1	.3	1.3	2.0	.6	2.2	-5.9	-2.1	-.53
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/4/2016

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	86_SonicTemp_015m	87_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	.00	4.4	6.0	12.6	10.2	3.6	18.6	19.2
01:00	.02	2.5	3.9	7.1	11.8	11.0	18.3	18.6
02:00	-.04	4.6	5.7	7.6	8.8	2.7	18.0	18.4
03:00	-.04	4.6	8.5	14.9	8.1	3.3	17.6	17.9
04:00	-.08	3.7	4.1	7.8	6.0	2.5	17.2	17.5
05:00	-.08	5.5	6.2	8.2	9.8	3.2	16.8	17.2
06:00	-.06	2.5	3.7	7.3	6.3	2.7	16.5	16.6
07:00	-.14	4.1	6.9	8.2	11.7	3.1	16.6	16.6
08:00	.03	3.2	6.2	8.9	14.7	11.3	17.2	17.0
09:00	.51	7.1	8.7	9.6	18.0	17.7	19.2	18.6
10:00	.17	9.8	9.4	9.8	18.7	18.3	21.6	20.7
11:00	.08	9.2	8.5	8.0	24.3	26.0	23.6	22.8
12:00	-.07	10.5	10.8	10.5	27.5	30.9	25.2	24.3
13:00	.06	13.1	12.1	17.2	26.0	34.1	26.5	25.7
14:00	-.10	11.7	12.8	11.7	23.6	23.5	27.2	26.4
15:00	-.16	16.9	15.6	17.4	21.8	21.2	28.2	27.1
16:00	.06	13.5	13.7	15.8	23.1	17.7	28.7	27.5
17:00	.26	10.8	12.4	14.4	18.6	13.5	28.7	27.8
18:00	.35	8.0	15.8	15.6	17.6	12.5	27.7	27.6
19:00	.04	4.1	4.4	5.5	9.4	7.2	24.8	26.1
20:00	.10	1.1	2.3	7.6	8.3	3.0	23.5	24.8
21:00	.10	7.1	9.6	11.4	14.5	9.0	22.2	23.6
22:00	-.09	6.9	10.8	13.1	10.3	5.0	21.6	23.4
23:00	.15	3.9	4.4	6.6	11.0	11.3	20.2	22.3
Avg	.04	7.0	8.4	10.7	15.0	12.3	21.9	22.0
Max	.51	16.9	15.8	17.4	27.5	34.1	28.7	27.8
Hr. of Max	09	15	18	15	12	13	17	17
Min	-.16	1.1	2.3	5.5	6.0	2.5	16.5	16.6
Count	24	24	24	24	24	24	24	24
Total								