Date Printed: 08/24/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/23/2016

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	17.0	18.7	19.2	20.0	1.68	2.18	2.99	.51	1.31
01:00	16.3	17.8	18.2	18.8	1.51	1.84	2.45	.33	.94
02:00	16.1	17.5	17.9	18.5	1.42	1.76	2.40	.34	.98
03:00	16.2	17.4	17.5	18.1	1.19	1.36	1.87	.17	.68
04:00	15.7	17.2	17.3	17.8	1.47	1.61	2.05	.13	.58
05:00	16.1	17.1	17.2	17.5	.98	1.12	1.39	.14	.41
06:00	16.0	17.1	17.2	17.6	1.12	1.24	1.61	.12	.49
07:00	15.6	16.9	17.1	17.3	1.26	1.50	1.73	.24	.46
08:00	18.6	18.7	18.5	18.5	.05	-.06	-.13	-.11	-.18
09:00	21.3	20.9	20.6	20.4	-.39	-.71	-.90	-.32	-.51
10:00	22.9	22.2	21.9	21.7	-.69	-1.04	-1.20	-.36	-.52
11:00	25.0	24.1	23.8	23.7	-.84	-1.15	-1.29	-.31	-.45
12:00	27.2	26.2	25.8	25.7	-1.00	-1.39	-1.53	-.39	-.52
13:00	28.4	27.3	27.0	26.9	-1.08	-1.41	-1.47	-.33	-.39
14:00	29.2	28.2	27.8	27.8	-1.07	-1.41	-1.47	-.34	-.40
15:00	29.2	28.4	28.1	28.0	-.80	-1.13	-1.21	-.33	-.41
16:00	29.5	28.6	28.4	28.3	-.89	-1.16	-1.25	-.27	-.36
17:00	29.7	29.0	28.6	28.5	-.71	-1.06	-1.19	-.35	-.48
18:00	28.9	28.7	28.5	28.5	-.16	-.37	-.42	-.20	-.26
19:00	25.6	27.3	27.9	28.1	1.68	2.27	2.51	.59	.83
20:00	22.8	24.7	26.0	26.8	1.87	3.18	3.98	1.31	2.10
21:00	21.7	23.5	23.8	24.5	1.81	2.19	2.80	.38	.99
22:00	21.0	22.6	22.8	23.7	1.62	1.82	2.73	.21	1.11
23:00	20.3	21.7	21.9	22.5	1.35	1.60	2.18	.25	.83
Avg	22.1	22.6	22.6	22.9	.47	.53	.78	.06	.30
Max	29.7	29.0	28.6	28.5	1.87	3.18	3.98	1.31	2.10
Hr. of Max	17	17	17	18	20	20	20	20	20
Min	15.6	16.9	17.1	17.3	-1.08	-1.41	-1.53	-.39	-.52
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/23/2016

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	15.3	15.6	15.9	25.2	91.7	84.1	13.1	13.2	0.011154
01:00	14.9	15.7	15.4	25.0	93.1	89.2	12.7	13.3	0.010844
02:00	14.9	15.8	15.3	24.8	94.0	91.1	12.7	13.4	0.010821
03:00	15.1	15.7	15.4	24.6	94.8	91.7	12.9	13.4	0.010954
04:00	14.6	15.5	15.0	24.4	94.6	91.6	12.5	13.2	0.0106
05:00	15.0	15.4	15.4	24.2	95.3	92.0	12.8	13.1	0.010924
06:00	14.9	15.5	15.3	24.0	95.2	92.0	12.8	13.2	0.010848
07:00	14.5	15.3		23.9	94.8	92.0	12.4	13.0	0.010533
08:00	15.9	15.0	16.8	23.7	86.1	81.2	13.5	12.7	0.011544
09:00	15.9	15.0	17.7	23.6	72.7	70.3	13.3	12.6	0.011548
10:00	15.8	14.9	18.2	23.5	65.7	64.6	13.2	12.5	0.011503
11:00	15.9	14.9	18.9	23.5	58.6	57.6	13.3	12.4	0.011619
12:00	15.8	14.6	19.6	23.6	51.0	50.0	13.1	12.1	0.011545
13:00	16.1	15.1	20.2	23.9	48.7	48.4	13.3	12.5	0.011836
14:00	16.5	15.5	20.7	24.2	47.4	47.5	13.6	12.8	0.012104
15:00	16.6	15.8	20.8	24.5	48.0	47.5	13.7	13.0	0.012254
16:00	16.7	15.6	21.0	24.8	47.4	46.5	13.8	12.9	0.012305
17:00	16.4	15.6	20.8	25.1	46.1	45.5	13.5	12.8	0.01209
18:00	17.0	15.9	21.0	25.3	50.1	47.1	14.0	13.1	0.012523
19:00	18.5	16.6	20.8	25.4	66.4	53.5	15.5	13.8	0.013695
20:00	18.4	16.8	19.8	25.5	77.7	63.1	15.5	14.0	0.01358
21:00	18.0	17.9	19.2	25.5	81.6	72.8	15.2	15.1	0.013277
22:00	18.2	18.1	19.2	25.5	86.1	77.2	15.5	15.3	0.013465
23:00	18.1	18.3	18.9	25.4	89.0	83.2	15.4	15.6	0.013341
Avg	16.2	15.8	18.3	24.5	74.0	70.0	13.6	13.3	0.011871
Max	18.5	18.3	21.0	25.5	95.3	92.0	15.5	15.6	0.013695
Hr. of Max	19	23	18	22	05	07	22	23	19
Min	14.5	14.6	15.0	23.5	46.1	45.5	12.4	12.1	0.010533
Count	24	24	23	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/23/2016

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	0.011363	17.5	17.8	.00	29.30	992.1	-1.8	.00	3.2
01:00	0.011437	17.0	17.9	.00	29.30	992.3	-1.9	.00	354.8
02:00	0.011474	17.0	18.0	.00	29.30	992.2	-1.9	.00	52.0
03:00	0.011428	17.2	17.9	.00	29.30	992.3	-2.8	.00	47.1
04:00	0.011284	16.6	17.7	.00	29.31	992.5	-2.2	.00	52.6
05:00	0.011222	17.1	17.6	.00	29.31	992.8	-2.6	.00	47.8
06:00	0.011253	17.0	17.6	.00	29.33	993.2	-1.8	.00	41.0
07:00	0.011085	16.5	17.4	.00	29.34	993.7	44.8	.06	53.5
08:00	0.010927	18.1	17.2	.00	29.36	994.2	248.9	.36	73.6
09:00	0.010903	18.1	17.1	.00	29.36	994.4	459.6	.66	72.9
10:00	0.010844	18.1	17.0	.00	29.37	994.8	670.9	.96	82.2
11:00	0.01086	18.2	17.1	.00	29.37	994.8	819.5	1.17	91.9
12:00	0.010667	18.1	16.8	.00	29.36	994.4	929.4	1.33	167.4
13:00	0.011026	18.6	17.3	.00	29.35	993.9	855.2	1.23	239.6
14:00	0.011372	19.0	17.8	.00	29.33	993.4	865.3	1.24	217.9
15:00	0.011581	19.2	18.1	.00	29.31	992.7	667.4	.96	233.9
16:00	0.011461	19.2	17.9	.00	29.30	992.1	686.6	.98	257.4
17:00	0.011438	18.9	17.9	.00	29.29	992.0	444.3	.64	255.9
18:00	0.011686	19.6	18.3	.00	29.29	992.0	252.1	.36	258.5
19:00	0.012192	21.4	19.1	.00	29.30	992.2	69.4	.10	300.4
20:00	0.012339	21.2	19.3	.00	29.30	992.3	.2	.00	11.9
21:00	0.013212	20.7	20.6	.00	29.30	992.2	-1.7	.00	18.3
22:00	0.013327	21.0	20.8	.00	29.31	992.6	-2.1	.00	43.2
23:00	0.013546	20.8	21.2	.00	29.32	992.8	-2.8	.00	334.3
Avg	0.01158	18.6	18.1	.00	29.32	993.0	291.3	.42	25.0
Max	0.013546	21.4	21.2	.00	29.37	994.8	929.4	1.33	354.8
Hr. of Max	23	19	23	23	11	11	12	12	01
Min	0.010667	16.5	16.8	.00	29.29	992.0	-2.8	.00	3.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/23/2016

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	67.6	64.3	3.2	52.9	35.1	9.0	4.4	.8	1.8
01:00	54.9	60.4	355.2	48.0	22.0	12.0	4.1	.7	1.6
02:00	64.2	59.5	54.5	48.1	14.4	6.8	3.7	1.1	3.1
03:00	52.2	61.5	49.2	50.1	11.3	5.6	3.9	1.9	3.8
04:00	53.1	58.7	54.3	46.7	13.9	8.6	4.0	1.5	2.9
05:00	53.1	58.2	50.1	46.8	15.1	8.3	3.8	2.0	4.0
06:00	52.8	64.4	43.2	53.3	12.9	7.5	5.1	2.1	4.0
07:00	43.2	62.7	55.2	51.4	26.9	9.2	5.4	1.2	3.3
08:00	59.4	56.8	78.9	45.1	29.4	20.4	13.9	1.9	3.0
09:00	61.7	59.4	74.4	48.2	31.5	22.0	15.7	3.2	5.0
10:00	80.8	80.3	79.8	66.2	29.5	25.7	23.4	2.9	3.5
11:00	68.5	64.4	94.5	45.5	58.2	43.8	40.1	1.4	1.8
12:00	171.9	141.6	176.0	140.8	63.1	76.0	65.4	1.2	.8
13:00	245.7	233.7	249.6	229.0	51.3	38.8	34.3	2.3	3.0
14:00	228.0	229.0	224.8	222.4	37.9	30.2	25.4	3.9	5.0
15:00	244.9	248.0	239.2	240.9	33.0	26.8	26.0	4.1	5.2
16:00	271.8	269.7	262.3	261.1	38.6	29.2	26.0	3.1	4.1
17:00	262.8	259.9	259.3	252.8	33.6	28.0	25.3	3.2	4.3
18:00	260.2	258.5	262.6	251.6	29.2	23.4	17.8	2.5	3.7
19:00	284.1	279.4	299.2	270.4	14.2	8.3	7.2	1.8	3.8
20:00	32.2	340.3	10.5	326.7	48.9	42.3	16.7	.6	1.2
21:00	56.5	67.9	27.9	54.2	38.0	13.2	12.1	1.0	1.9
22:00	72.3	60.2	46.0	47.7	15.6	5.8	6.9	1.5	2.3
23:00	81.8	62.8	330.9	49.6	45.2	19.8	7.2	.3	.9
Avg	53.0	54.0	23.0	37.0	31.2	21.7	16.6	.0	.0
Max	284.1	340.3	355.2	326.7	63.1	76.0	65.4	4.1	5.2
Hr. of Max	19	20	01	20	12	12	12	15	15
Min	32.2	56.8	3.2	45.1	11.3	5.6	3.7	.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)

8/23/2016

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	3.6	1.1	1.8	3.6	1.2	3.8	2.7	2.2	.05
01:00	3.1	.8	1.6	3.1	.9	3.2	.3	2.1	.00
02:00	5.7	1.1	3.2	5.7	1.3	5.9	1.9	.3	.02
03:00	5.5	1.9	3.8	5.5	1.9	5.7	-1.4	-1.2	-.07
04:00	4.4	1.6	2.9	4.4	1.7	4.6	-1.3	-1.1	-.06
05:00	5.8	2.0	4.1	5.8	2.1	6.0	-2.9	-.4	-.15
06:00	5.8	2.1	4.0	5.8	2.1	6.0	-2.0	-.6	-.12
07:00	4.7	1.3	3.4	4.8	1.4	5.0	-.9	.6	-.05
08:00	4.0	2.1	3.1	4.1	2.4	4.4	-.2	9.3	-.02
09:00	6.4	3.6	5.4	6.6	4.4	7.0	1.9	4.1	.05
10:00	3.9	3.4	4.0	4.3	3.8	4.8	-1.9	-1.9	-.12
11:00	1.9	2.3	2.3	2.4	2.9	3.3	-3.2	-4.0	-.14
12:00	.9	2.3	2.2	2.1	3.0	2.8	1.6	-1.8	.09
13:00	3.2	3.3	3.8	4.0	3.8	4.5	-4.6	-8.0	-.36
14:00	6.2	4.8	5.8	6.8	5.4	7.5	-.9	-2.0	-.18
15:00	5.5	4.6	5.7	6.0	5.3	6.6	.2	-2.3	-.25
16:00	4.8	3.8	4.7	5.2	4.3	5.8	-1.4	-1.5	-.25
17:00	4.8	3.9	4.9	5.5	4.4	5.9	-1.4	-.6	-.23
18:00	4.6	2.9	4.0	4.8	3.3	5.2	-2.0	-3.1	-.19
19:00	5.2	1.9	3.9	5.3	2.0	5.3	-2.7	.2	-.12
20:00	2.4	.9	2.2	3.5	1.2	3.5	3.9	3.1	.07
21:00	2.3	1.1	2.0	2.5	1.3	2.7	1.6	.3	.02
22:00	3.3	1.5	2.3	3.3	1.6	3.5	-.1	.2	-.01
23:00	2.5	.4	1.0	2.5	.6	2.7	1.1	.4	.01
Avg	.0	2.3	3.4	4.5	2.6	4.8	-.5	-.2	-.08
Max	6.4	4.8	5.8	6.8	5.4	7.5	3.9	9.3	.09
Hr. of Max	09	14	14	14	14	14	20	08	12
Min	.9	.4	1.0	2.1	.6	2.7	-4.6	-8.0	-.36
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/23/2016

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	.14	2.3	6.4	8.9	8.0	2.7	19.7	20.8
01:00	.11	2.7	3.7	6.0	6.9	3.2	18.8	19.7
02:00	.03	4.8	6.4	11.4	11.3	2.5	18.6	19.4
03:00	-.13	4.4	8.0	11.2	9.8	3.0	18.4	18.9
04:00	-.09	3.4	7.3	11.9	9.3	2.7	18.2	18.6
05:00	-.04	4.8	7.3	12.6	11.9	2.6	18.1	18.3
06:00	-.07	4.4	8.9	12.8	10.1	4.0	18.1	18.4
07:00	.04	4.1	8.7	11.9	15.2	3.5	17.9	18.1
08:00	.57	8.2	8.9	9.8	21.6	16.5	19.8	19.3
09:00	.39	9.2	11.7	11.4	22.7	15.0	22.0	21.1
10:00	-.08	11.7	10.5	10.8	23.5	22.4	23.3	22.4
11:00	-.14	12.8	12.8	8.5	27.9	34.8	25.1	24.4
12:00	-.22	7.3	7.1	8.0	28.4	34.3	27.0	26.3
13:00	-.72	8.2	10.5	9.2	24.4	21.9	28.1	27.2
14:00	-.30	13.1	16.5	14.9	20.0	18.2	28.9	27.9
15:00	-.46	12.1	19.0	22.4	20.7	17.8	29.2	28.3
16:00	-.35	10.3	10.3	11.0	20.2	19.6	29.4	28.6
17:00	-.22	15.1	18.5	16.5	19.0	16.9	29.7	28.9
18:00	-.35	11.4	9.2	12.8	17.2	12.5	29.6	28.9
19:00	.00	6.9	8.5	13.3	9.9	5.1	28.2	28.7
20:00	.15	3.9	8.5	10.8	15.6	7.9	25.6	27.5
21:00	.03	3.0	3.7	4.8	9.0	4.7	24.6	25.4
22:00	.02	3.0	3.4	4.8	6.3	2.4	23.9	24.8
23:00	.04	3.4	3.7	9.4	7.0	3.4	23.0	23.6
Avg	-.07	7.1	9.1	11.0	15.7	11.6	23.6	23.6
Max	.57	15.1	19.0	22.4	28.4	34.8	29.7	28.9
Hr. of Max	08	17	15	15	12	11	17	18
Min	-.72	2.3	3.4	4.8	6.3	2.4	17.9	18.1
Count	24	24	24	24	24	24	24	24
Total								