Date Printed: 03/11/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/10/2017

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	10.8	13.3	15.3	15.9	2.49	4.43	5.06	1.93	2.57
01:00	10.7	12.3	12.6	12.7	1.61	1.90	2.08	.29	.47
02:00	10.2	10.4	10.5	10.6	.27	.34	.45	.07	.19
03:00	10.5	10.8	10.8	10.7	.23	.22	.20	-.01	-.03
04:00	9.8	10.4	10.6	10.7	.60	.83	.94	.23	.34
05:00	9.7	10.1	10.2	10.3	.42	.58	.66	.17	.24
06:00	10.1	10.2	10.1	10.1	.08	.05	.06	-.03	-.02
07:00	10.2	10.3	10.2	10.2	.01	-.05	-.03	-.06	-.04
08:00	11.1	11.0	10.9	10.9	-.12	-.25	-.20	-.12	-.08
09:00	12.6	12.6	12.4	12.4	-.04	-.20	-.24	-.16	-.20
10:00	12.0	11.4	11.1	10.9	-.61	-.95	-1.13	-.34	-.52
11:00	11.9	10.9	10.5	10.2	-.97	-1.37	-1.63	-.40	-.66
12:00	11.5	10.7	10.3	10.1	-.85	-1.24	-1.46	-.39	-.61
13:00	11.7	10.7	10.4	10.2	-.98	-1.35	-1.53	-.37	-.55
14:00	11.3	10.7	10.4	10.3	-.57	-.87	-1.00	-.30	-.44
15:00	12.2	11.5	11.2	11.0	-.72	-1.07	-1.24	-.35	-.52
16:00	11.4	10.9	10.6	10.4	-.50	-.80	-.94	-.30	-.44
17:00	10.6	10.4	10.1	10.0	-.29	-.54	-.65	-.25	-.36
18:00	9.1	9.3	9.2	9.1	.16	.03	-.01	-.13	-.17
19:00	6.9	8.3	8.3	8.2	1.34	1.34	1.30	.00	-.04
20:00	4.5	7.3	7.5	7.5	2.76	2.96	2.96	.20	.20
21:00	3.0	6.4	7.0	7.1	3.31	3.90	4.05	.59	.73
22:00	3.0	5.9	6.3	6.4	2.90	3.33	3.42	.43	.52
23:00	2.0	5.0	5.6	5.9	2.97	3.56	3.86	.59	.89
Avg	9.5	10.0	10.1	10.1	.56	.62	.62	.05	.06
Max	12.6	13.3	15.3	15.9	3.31	4.43	5.06	1.93	2.57
Hr. of Max	09	00	00	00	21	00	00	00	00
Min	2.0	5.0	5.6	5.9	-.98	-1.37	-1.63	-.40	-.66
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/10/2017

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	4.0	1.7	6.3	12.4	63.4	46.0	6.2	5.3	0.005221
01:00	7.0	5.4	8.2	12.3	79.6	67.0	7.7	7.0	0.006433
02:00	9.6	9.9	9.8	12.0	97.7	97.5	9.2	9.3	0.007683
03:00	10.0	10.4	10.2	11.7	97.8	98.6	9.4	9.6	0.007885
04:00	9.3	10.0	9.4	11.7	97.7	98.7	9.0	9.4	0.007495
05:00	9.1	9.7	9.3	11.6	97.7	98.9	8.9	9.2	0.007415
06:00	9.6	9.8	9.7	11.5	97.9	98.9	9.1	9.3	0.007638
07:00	9.7	9.9	9.9	11.5	97.9	98.8	9.2	9.3	0.00772
08:00	10.6	10.6	10.8	11.5	98.0	98.6	9.8	9.8	0.008207
09:00	8.8	8.5	10.0	11.5	78.8	77.5	8.6	8.5	0.007264
10:00	4.4	3.6	6.9	11.6	60.3	59.2	6.4	6.1	0.005335
11:00	1.7	.5	5.1	11.7	50.3	49.1	5.3	4.9	0.004396
12:00	.2	-.8	4.0	12.0	46.3	45.4	4.8	4.4	0.003949
13:00	-.2	-1.3	3.8	12.4	44.6	43.8	4.6	4.3	0.003853
14:00	-1.8	-2.6	2.6	12.7	40.7	39.8	4.1	3.9	0.003423
15:00	-3.7	-4.9	1.6	12.9	33.2	31.9	3.6	3.3	0.002973
16:00	-6.1	-7.2	-.3	12.9	29.4	28.0	3.0	2.8	0.002482
17:00	-7.4	-8.3	-1.4	12.9	28.0	26.5	2.7	2.5	0.002254
18:00	-8.3	-9.5	-2.5	12.8	28.9	26.0	2.6	2.3	0.002098
19:00	-7.0	-9.9	-2.4	12.7	37.2	26.9	2.8	2.3	0.002304
20:00	-4.5	-8.9	-1.5	12.5	53.0	31.0	3.5	2.4	0.002783
21:00	-3.7	-9.7	-1.4	12.2	61.9	31.2	3.7	2.3	0.002941
22:00	-4.0	-9.8	-1.7	11.9	60.5	31.8	3.6	2.3	0.002872
23:00	-4.0	-9.5	-2.0	11.6	64.7	34.6	3.6	2.3	0.00286
Avg	1.8	.3	4.4	12.1	64.4	57.7	5.9	5.5	0.004895
Max	10.6	10.6	10.8	12.9	98.0	98.9	9.8	9.8	0.008207
Hr. of Max	08	08	08	17	08	06	08	08	08
Min	-8.3	-9.9	-2.5	11.5	28.0	26.0	2.6	2.3	0.002098
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/10/2017

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	0.004452	8.2	7.0	.00	29.00	982.2	-2.0	.00	76.0
01:00	0.005858	10.1	9.2	.21	29.03	983.2	-3.1	.00	346.6
02:00	0.007801	12.0	12.2	.42	29.05	983.9	-2.3	.00	39.5
03:00	0.00808	12.3	12.6	.02	29.02	982.7	-2.5	.00	68.3
04:00	0.007882	11.7	12.3	.00	29.04	983.5	-2.0	.00	245.5
05:00	0.007715	11.6	12.1	.00	29.08	984.7	-2.6	.00	218.5
06:00	0.007755	12.0	12.1	.00	29.11	985.7	-2.4	.00	228.8
07:00	0.007795	12.1	12.2	.00	29.12	986.3	8.9	.01	212.9
08:00	0.008185	12.8	12.8	.00	29.13	986.6	153.1	.22	227.6
09:00	0.007125	11.4	11.2	.00	29.18	988.3	233.9	.34	277.1
10:00	0.005034	8.4	7.9	.00	29.24	990.3	637.3	.91	352.7
11:00	0.004028	7.0	6.4	.00	29.27	991.1	848.9	1.22	356.0
12:00	0.003663	6.3	5.8	.00	29.28	991.6	679.5	.97	356.3
13:00	0.003552	6.1	5.6	.00	29.28	991.6	724.4	1.04	327.7
14:00	0.00322	5.4	5.1	.00	29.27	991.4	438.4	.63	311.6
15:00	0.002722	4.7	4.3	.00	29.28	991.6	598.6	.86	287.8
16:00	0.002281	3.9	3.6	.00	29.31	992.5	372.4	.53	292.7
17:00	0.002089	3.6	3.3	.00	29.31	992.7	166.0	.24	279.8
18:00	0.00191	3.3	3.0	.00	29.33	993.2	21.0	.03	283.5
19:00	0.001839	3.7	2.9	.00	29.35	993.8	-2.3	.00	302.0
20:00	0.001983	4.4	3.2	.00	29.35	993.8	-2.5	.00	347.7
21:00	0.001876	4.7	3.0	.00	29.34	993.5	-2.5	.00	356.0
22:00	0.001851	4.6	2.9	.00	29.34	993.6	-2.4	.00	33.0
23:00	0.001887	4.5	3.0	.00	29.34	993.7	-2.5	.00	331.8
Avg	0.004608	7.7	7.2	.03	29.21	989.2	202.2	.29	315.0
Max	0.008185	12.8	12.8	.42	29.35	993.8	848.9	1.22	356.3
Hr. of Max	08	08	08	02	20	20	11	11	12
Min	0.001839	3.3	2.9	.00	29.00	982.2	-3.1	.00	33.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/10/2017

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	245.5	186.2	33.3	177.4	53.2	51.3	34.5	.3	.7
01:00	341.4	333.5	334.9	323.3	37.5	29.2	23.4	2.4	4.6
02:00	24.3	26.3	21.2	15.5	64.6	49.2	42.1	1.6	4.1
03:00	73.8	75.4	63.2	64.2	55.3	45.5	35.6	2.3	4.2
04:00	250.8	223.2	249.5	220.8	37.8	40.8	18.7	2.1	2.9
05:00	248.4	250.3	225.1	245.7	26.5	15.9	11.4	2.5	3.5
06:00	242.3	240.0	230.5	235.9	18.7	11.3	8.3	3.0	5.1
07:00	225.4	213.4	234.0	209.1	49.9	16.8	10.3	1.4	3.1
08:00	231.7	227.6	228.8	223.8	18.8	11.4	7.7	3.6	5.5
09:00	290.6	295.4	274.4	288.2	32.5	26.5	23.4	4.8	7.1
10:00	358.7	354.5	346.9	344.2	33.9	24.2	22.6	6.4	10.1
11:00	.2	357.3	349.3	346.8	37.4	27.6	23.5	6.3	9.6
12:00	358.9	354.3	351.1	344.0	36.7	27.2	23.2	5.8	8.5
13:00	331.3	328.3	320.5	319.1	42.1	35.2	31.1	4.4	6.7
14:00	315.9	312.7	304.4	303.5	54.2	40.3	34.9	3.5	4.8
15:00	294.0	295.8	286.5	288.1	41.4	30.7	25.5	5.5	7.7
16:00	299.6	299.5	289.8	291.9	42.0	31.3	27.5	5.4	8.0
17:00	294.4	301.8	278.5	294.1	40.7	30.4	26.6	4.8	6.8
18:00	297.9	305.0	280.2	297.0	49.3	35.3	27.0	2.8	4.2
19:00	307.2	312.1	287.3	303.7	58.6	28.5	22.2	1.0	2.3
20:00	342.7	338.9	327.5	328.5	36.3	23.3	18.4	1.0	2.0
21:00	14.9	11.3	336.2	.8	27.8	14.4	15.5	1.4	4.0
22:00	19.4	15.9	10.3	4.0	26.4	13.0	13.9	1.3	4.5
23:00	352.7	14.5	300.3	3.1	49.5	34.2	12.8	1.0	2.7
Avg	314.0	315.0	306.0	307.0	40.5	28.9	22.5	.0	.0
Max	358.9	357.3	351.1	346.8	64.6	51.3	42.1	6.4	10.1
Hr. of Max	12	11	12	11	02	00	02	10	10
Min	.2	11.3	10.3	.8	18.7	11.3	7.7	.3	.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/10/2017

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	2.6	1.0	1.6	2.9	1.4	3.1	.9	-.3	.02
01:00	6.6	3.5	6.1	8.6	3.9	9.1	-2.8	-.1	-.38
02:00	6.0	3.1	5.3	7.0	3.4	7.6	-1.0	2.5	-.12
03:00	5.5	3.2	5.1	6.1	3.6	6.3	-.2	2.2	-.03
04:00	3.4	2.3	3.2	3.9	2.6	4.1	.3	.1	.01
05:00	4.5	2.7	3.7	4.6	3.0	4.8	.8	-1.0	.01
06:00	7.0	3.2	5.3	7.1	3.6	7.4	.1	-.2	-.05
07:00	4.7	1.6	3.2	4.7	2.1	5.0	.2	-1.0	-.01
08:00	7.3	3.9	5.6	7.4	4.3	7.8	-1.1	-.9	-.14
09:00	9.0	5.9	8.3	10.3	6.6	10.8	-1.7	-1.6	-.52
10:00	11.2	7.4	10.9	12.1	8.2	12.9	-3.5	.1	-.93
11:00	11.3	7.6	10.7	12.3	8.4	13.1	-4.7	-1.4	-1.05
12:00	9.7	6.8	9.3	10.4	7.6	11.2	-4.2	-3.9	-.87
13:00	8.0	7.1	9.5	10.4	7.7	11.1	-1.7	-.9	-.57
14:00	6.1	4.7	6.0	7.2	5.1	7.9	-.5	-.5	-.40
15:00	9.5	6.7	8.7	10.4	7.4	11.0	-1.5	-2.9	-.56
16:00	10.0	6.7	9.2	11.1	7.4	11.8	.3	-1.2	-.34
17:00	8.4	5.6	7.5	9.1	6.2	9.7	.8	-.7	-.30
18:00	5.7	3.4	4.8	6.2	3.9	6.7	.4	.1	-.20
19:00	3.7	1.3	2.5	4.0	1.7	4.4	-.1	-1.1	-.03
20:00	3.5	1.4	2.4	3.9	1.6	4.2	-1.4	1.2	-.09
21:00	5.8	1.7	4.2	6.1	2.0	6.3	-3.1	2.1	-.14
22:00	6.3	1.5	4.6	6.5	1.8	6.8	-.8	3.1	-.08
23:00	4.9	1.6	2.8	5.0	1.8	5.3	-.9	3.1	-.07
Avg	.0	3.9	5.9	7.4	4.4	7.9	-1.1	-.1	-.28
Max	11.3	7.6	10.9	12.3	8.4	13.1	.9	3.1	.02
Hr. of Max	11	11	10	11	11	11	00	23	00
Min	2.6	1.0	1.6	2.9	1.4	3.1	-4.7	-3.9	-1.05
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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3/10/2017

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	36_SonicTemp_015m	37_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	-.13	3.2	6.9	9.4	18.3	17.7	13.4	15.7
01:00	-.16	14.9	20.8	24.3	18.6	9.9	12.7	12.9 R
02:00	.43	8.5	12.8	21.1	17.3	9.7	11.2	11.0 R
03:00	.23	9.8	11.4	12.6	17.1	12.1	11.7	11.2
04:00	-.05	5.7	6.4	7.1	7.8	11.4	11.2	11.3
05:00	-.10	5.5	7.1	11.2	8.0	5.4	10.9	10.8
06:00	-.03	8.0	10.1	11.0	10.8	4.4	11.0	10.6
07:00	-.08	5.7	11.2	16.9	12.9	5.2	11.1	10.7
08:00	-.14	9.6	9.8	13.7	11.5	5.5	11.8	11.3
09:00	-.69	19.9	20.4	22.9	19.7	15.1	13.2	12.5
10:00	-.37	21.3	22.9	22.9	20.2	14.7	11.7	10.8
11:00	-.58	19.0	28.4	32.5	19.8	14.3	11.1	10.0
12:00	-.85	21.8	27.2	27.5	20.0	15.1	10.8	9.8
13:00	-.50	22.4	22.2	23.1	20.2	17.5	10.8	9.8
14:00	-.53	22.0	25.0	29.5	24.9	21.8	10.8	9.9
15:00	-1.12	21.3	23.1	30.0	23.0	18.9	11.4	10.5
16:00	-.83	19.5	23.1	27.7	22.5	17.9	10.8	10.0
17:00	-.77	21.8	20.2	21.3	24.3	19.7	10.4	9.6
18:00	-.49	13.3	14.9	16.5	24.5	20.9	9.3	8.7
19:00	-.23	4.6	8.0	12.4	24.1	18.1	8.2	7.8
20:00	-.02	6.0	7.8	9.8	15.5	12.8	7.2	7.1
21:00	.20	4.8	7.3	10.3	11.4	6.1	6.3	6.7
22:00	.31	6.2	10.1	19.2	19.0	8.8	5.8	6.0
23:00	.23	4.8	9.2	11.2	11.8	6.6	4.9	5.5
Avg	-.26	12.5	15.3	18.5	17.6	12.9	10.3	10.0
Max	.43	22.4	28.4	32.5	24.9	21.8	13.4	15.7
Hr. of Max	02	13	11	11	14	14	00	00
Min	-1.12	3.2	6.4	7.1	7.8	4.4	4.9	5.5
Count	24	24	24	24	24	24	24	24
Total								