Date Printed: 10/11/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/10/2016

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	9.6	12.6	13.4	14.7	3.02	3.82	5.16	.80	2.14
01:00	9.2	11.6	12.5	13.5	2.37	3.30	4.30	.94	1.93
02:00	8.6	10.8	11.7	12.6	2.17	3.08	3.96	.91	1.79
03:00	8.3	10.3	11.1	12.2	1.95	2.77	3.92	.82	1.97
04:00	8.2	10.0	10.5	11.2	1.74	2.25	3.01	.51	1.27
05:00	7.7	9.8	10.2	10.7	2.16	2.54	2.99	.38	.83
06:00	7.6	9.7	9.9	10.3	2.09	2.34	2.67	.24	.58
07:00	8.2	9.4	9.8	10.2	1.21	1.59	1.95	.38	.75
08:00	9.5	10.3	10.3	10.4	.76	.74	.89	-.02	.13
09:00	13.6	13.2	12.9	12.7	-.40	-.70	-.85	-.30	-.46
10:00	16.7	15.8	15.3	15.1	-.88	-1.33	-1.60	-.45	-.72
11:00	19.0	17.9	17.4	17.1	-1.13	-1.59	-1.92	-.47	-.79
12:00	20.6	19.3	18.8	18.4	-1.29	-1.83	-2.19	-.54	-.90
13:00	21.8	20.5	19.9	19.6	-1.35	-1.87	-2.17	-.52	-.82
14:00	23.0	21.8	21.2	20.9	-1.25	-1.84	-2.15	-.59	-.90
15:00	23.3	22.3	21.9	21.6	-1.01	-1.40	-1.67	-.39	-.66
16:00	23.7	22.7	22.3	22.1	-.95	-1.37	-1.61	-.43	-.67
17:00	23.1	22.6	22.3	22.1	-.50	-.86	-1.01	-.35	-.50
18:00	20.7	21.5	21.7	21.7	.83	1.01	1.04	.18	.21
19:00	16.3	18.6	19.5	20.4	2.36	3.26	4.14	.90	1.77
20:00	13.7	16.5	17.1	18.2	2.84	3.44	4.52	.60	1.68
21:00	12.3	14.7	15.3	17.2	2.34	2.99	4.86	.65	2.51
22:00	11.9	13.5	14.0	15.6	1.66	2.12	3.77	.46	2.11
23:00	11.7	13.0	13.4	14.4	1.33	1.68	2.65	.35	1.32
Avg	14.5	15.4	15.5	16.0	.84	1.01	1.44	.17	.61
Max	23.7	22.7	22.3	22.1	3.02	3.82	5.16	.94	2.51
Hr. of Max	16	16	17	17	00	00	00	01	21
Min	7.6	9.4	9.8	10.2	-1.35	-1.87	-2.19	-.59	-.90
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/10/2016

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	5.8	6.5	7.1	20.5	78.2	67.1	7.1	7.4	0.00584
01:00	6.0	6.4	7.1	20.3	81.3	71.2	7.2	7.3	0.00593
02:00	5.9	6.4	6.8	20.1	84.1	75.4	7.2	7.4	0.005884
03:00	6.0	6.6	6.8	19.8	86.1	78.8	7.2	7.5	0.005903
04:00	6.1	6.7	6.8	19.6	87.5	81.2	7.3	7.6	0.005964
05:00	6.0	7.1	6.5	19.4	89.9	83.8	7.2	7.7	0.005893
06:00	6.1	7.5	6.6	19.1	91.2	87.3	7.3	8.0	0.005955
07:00	6.9	7.5	7.3	18.9	92.5	88.8	7.7	8.0	0.006285
08:00	7.5	7.4	8.2	18.7	88.4	83.1	8.0	7.9	0.006566
09:00	7.7	7.0	9.6	18.5	68.8	67.6	8.0	7.6	0.006645
10:00	6.3	5.8	9.7	18.4	51.1	52.4	7.2	7.0	0.006043
11:00	4.8	4.4	9.5	18.5	40.0	41.5	6.5	6.3	0.005483
12:00	4.0	3.6	9.5	18.6	34.3	36.1	6.1	6.0	0.005195
13:00	3.5	3.2	9.6	19.0	30.7	32.7	5.9	5.8	0.005021
14:00	2.8	2.7	9.6	19.4	27.4	29.1	5.6	5.5	0.00483
15:00	1.7	1.4	8.9	19.8	24.9	25.9	5.2	5.1	0.004464
16:00	3.0	2.8	9.9	20.2	26.5	27.7	5.6	5.6	0.00487
17:00	3.3	3.2	9.9	20.4	28.0	28.6	5.8	5.7	0.004979
18:00	4.5	3.8	9.9	20.6	35.6	32.0	6.3	6.0	0.005416
19:00	5.8	5.0	9.3	20.7	50.7	41.3	7.0	6.5	0.005865
20:00	5.9	5.9	8.5	20.7	60.3	50.4	7.1	7.0	0.005905
21:00	6.2	6.3	8.2	20.6	66.7	58.2	7.2	7.3	0.005993
22:00	6.4	6.6	8.2	20.4	69.8	63.7	7.3	7.4	0.00608
23:00	6.7	6.7	8.4	20.2	72.2	66.1	7.5	7.5	0.006222
Avg	5.4	5.4	8.4	19.7	61.1	57.1	6.9	6.9	0.005718
Max	7.7	7.5	9.9	20.7	92.5	88.8	8.0	8.0	0.006645
Hr. of Max	09	07	18	20	07	07	09	07	09
Min	1.7	1.4	6.5	18.4	24.9	25.9	5.2	5.1	0.004464
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)

10/10/2016

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	0.006124	9.3	9.7	.00	29.39	995.2	-2.3	.00	282.0
01:00	0.006085	9.4	9.6	.00	29.39	995.2	-2.3	.00	47.4
02:00	0.006103	9.3	9.7	.00	29.40	995.5	-2.1	.00	47.9
03:00	0.006167	9.4	9.8	.00	29.40	995.6	-2.5	.00	65.3
04:00	0.006228	9.5	9.9	.00	29.39	995.3	-2.1	.00	66.2
05:00	0.006363	9.3	10.1	.00	29.40	995.8	-2.3	.00	57.1
06:00	0.00657	9.4	10.4	.00	29.42	996.3	-2.4	.00	42.4
07:00	0.006548	10.0	10.4	.00	29.43	996.7	2.5	.00	38.2
08:00	0.006497	10.4	10.3	.00	29.44	997.0	126.9	.18	60.9
09:00	0.006365	10.5	10.1	.00	29.45	997.2	340.7	.49	69.6
10:00	0.005854	9.6	9.3	.00	29.46	997.6	544.7	.78	74.1
11:00	0.005306	8.7	8.4	.00	29.46	997.5	684.8	.98	78.2
12:00	0.005055	8.3	8.0	.00	29.44	997.0	771.2	1.11	80.3
13:00	0.00493	8.0	7.8	.00	29.40	995.8	797.5	1.14	81.1
14:00	0.00476	7.7	7.6	.00	29.37	994.6	763.6	1.09	66.3
15:00	0.00436	7.1	6.9	.00	29.36	994.3	592.8	.85	81.2
16:00	0.00481	7.7	7.6	.00	29.34	993.7	499.6	.72	38.1
17:00	0.004938	7.9	7.8	.00	29.34	993.6	301.7	.43	35.7
18:00	0.005147	8.6	8.2	.00	29.34	993.7	64.5	.09	8.1
19:00	0.005561	9.3	8.8	.00	29.36	994.2	-1.6	.00	308.5
20:00	0.005919	9.4	9.4	.00	29.36	994.4	-2.7	.00	45.9
21:00	0.006085	9.5	9.6	.00	29.37	994.6	-2.1	.00	56.7
22:00	0.006185	9.6	9.8	.00	29.37	994.7	-2.4	.00	54.4
23:00	0.00622	9.9	9.9	.00	29.38	995.0	-2.3	.00	55.4
Avg	0.005758	9.1	9.1	.00	29.39	995.4	227.6	.33	52.0
Max	0.00657	10.5	10.4	.00	29.46	997.6	797.5	1.14	308.5
Hr. of Max	06	09	07	23	11	10	13	13	19
Min	0.00436	7.1	6.9	.00	29.34	993.6	-2.7	.00	8.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/10/2016

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	68.4	59.8	287.1	47.4	32.9	15.3	8.2	.3	2.6
01:00	40.9	62.0	57.5	50.6	28.7	7.4	4.3	.9	2.4
02:00	58.1	56.3	53.4	45.2	18.7	8.8	3.2	.7	2.5
03:00	65.4	61.8	70.1	50.8	14.3	8.7	5.5	1.5	3.1
04:00	58.8	54.7	68.6	43.2	20.5	10.4	5.1	1.9	4.5
05:00	44.7	56.6	59.7	44.9	35.2	15.6	6.5	1.3	3.1
06:00	50.7	59.1	43.2	48.0	30.9	13.3	7.6	1.7	4.2
07:00	57.6	61.9	39.8	51.0	14.2	6.7	4.6	2.4	5.3
08:00	70.5	61.6	65.4	50.7	16.5	13.9	7.6	2.6	3.7
09:00	62.1	60.1	70.8	49.2	25.6	17.8	12.6	4.3	6.6
10:00	68.3	65.1	75.6	54.0	28.6	21.6	15.2	5.3	7.3
11:00	72.5	67.9	79.3	57.1	24.7	20.4	16.0	7.5	9.2
12:00	74.1	70.1	81.7	58.9	24.4	22.3	18.5	8.0	9.7
13:00	75.2	73.1	83.1	62.0	27.1	23.4	18.8	8.1	10.4
14:00	63.5	61.7	66.5	50.1	36.2	29.0	22.4	4.9	7.2
15:00	75.3	73.3	82.8	61.9	33.7	27.7	23.4	5.1	6.4
16:00	38.8	36.4	42.7	22.3	45.0	33.7	28.3	3.1	4.7
17:00	35.5	33.3	38.9	19.7	38.2	24.0	20.0	3.3	5.8
18:00	24.0	26.9	8.4	12.4	31.6	15.0	12.4	1.9	4.8
19:00	25.0	57.2	307.7	43.0	21.6	13.5	17.1	.6	1.5
20:00	58.5	51.3	51.8	34.4	22.3	9.3	9.0	1.1	1.4
21:00	57.7	56.6	59.0	42.8	16.7	9.2	10.1	.9	1.7
22:00	68.0	58.5	58.7	46.3	59.6	12.5	5.7	.2	1.6
23:00	64.0	54.1	64.4	42.0	30.6	12.6	5.1	1.0	2.0
Avg	57.0	57.0	55.0	45.0	28.2	16.3	12.0	.0	.0
Max	75.3	73.3	307.7	62.0	59.6	33.7	28.3	8.1	10.4
Hr. of Max	15	15	19	13	22	16	16	13	13
Min	24.0	26.9	8.4	12.4	14.2	6.7	3.2	.2	1.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/10/2016

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	4.4	.8	2.8	4.7	1.2	4.9	.5	2.1	.01
01:00	4.2	1.0	2.5	4.3	1.3	4.5	2.1	1.3	.04
02:00	5.2	.8	2.5	5.2	1.0	5.4	3.6	1.2	.06
03:00	5.5	1.6	3.2	5.6	1.8	5.8	2.4	.3	.05
04:00	7.8	2.1	4.6	7.8	2.2	8.1	.6	-.8	-.02
05:00	5.4	1.6	3.2	5.4	1.8	5.6	1.0	-.9	-.02
06:00	6.9	2.0	4.3	7.0	2.3	7.3	-2.7	-.8	-.19
07:00	7.5	2.5	5.3	7.5	2.5	7.7	-5.6	-2.4	-.31
08:00	5.8	2.7	3.8	5.8	2.9	6.2	1.0	.2	.01
09:00	8.5	4.7	6.9	8.7	5.1	9.1	1.9	3.2	-.04
10:00	9.4	5.9	7.8	9.7	6.7	10.3	1.4	2.2	-.05
11:00	11.1	8.1	9.8	11.5	8.9	12.1	.7	3.6	-.07
12:00	11.7	8.6	10.3	12.2	9.3	12.8	1.0	2.0	-.02
13:00	12.0	8.8	11.2	12.6	9.4	13.2	1.3	2.3	-.07
14:00	9.1	5.8	8.1	9.7	6.7	10.4	-.3	2.2	-.24
15:00	7.5	5.7	6.9	8.0	6.4	8.5	.3	2.4	-.17
16:00	5.7	3.9	5.4	6.3	4.3	6.8	.6	.8	-.17
17:00	6.9	3.9	6.2	7.2	4.4	7.8	.3	.6	-.36
18:00	6.1	2.2	5.0	6.2	2.6	6.6	-4.2	1.9	-.33
19:00	2.6	.7	1.6	3.0	.9	3.2	-.5	2.7	-.03
20:00	1.7	1.2	1.4	1.8	1.3	2.1	1.0	2.3	.02
21:00	2.6	1.0	1.8	2.7	1.2	2.9	.7	-.8	.02
22:00	3.8	.4	1.6	3.8	.7	4.0	.9	.0	.02
23:00	4.0	1.1	2.1	4.0	1.3	4.2	2.0	.8	.02
Avg	.0	3.2	4.9	6.7	3.6	7.1	.4	1.1	-.08
Max	12.0	8.8	11.2	12.6	9.4	13.2	3.6	3.6	.06
Hr. of Max	13	13	13	13	13	13	02	11	02
Min	1.7	.4	1.4	1.8	.7	2.1	-5.6	-2.4	-.36
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/10/2016

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	.19	2.5	9.2	12.6	13.9	4.4	12.9	14.8
01:00	.10	2.5	4.4	6.9	7.0	2.7	12.0	13.7
02:00	.11	2.1	4.8	11.0	8.4	2.2	11.2	12.8
03:00	.01	3.4	4.8	9.8	6.9	2.3	10.7	12.5
04:00	-.13	6.6	10.3	12.4	10.0	3.2	10.4	11.4
05:00	-.08	3.9	10.3	15.3	13.3	4.0	10.3	10.9
06:00	-.13	4.8	7.8	14.7	14.8	4.3	10.2	10.5
07:00	-.32	5.5	9.6	16.5	11.2	3.1	9.9	10.4
08:00	.00	7.8	8.7	11.9	16.2	8.3	10.9	10.7
09:00	.31	12.8	17.2	16.7	21.0	11.9	13.7	12.9
10:00	.19	15.6	19.9	29.1	19.3	13.1	16.2	15.1
11:00	.45	18.1	22.2	22.2	17.0	13.6	18.1	17.0
12:00	.25	19.0	20.6	21.8	16.9	12.1	19.5	18.2
13:00	.35	20.6	22.0	28.4	17.3	12.0	20.6	19.4
14:00	.27	15.8	17.6	22.7	20.7	15.2	21.9	20.6
15:00	.20	13.1	15.1	16.3	18.7	16.3	22.3	21.3
16:00	-.04	12.6	13.7	14.2	24.5	18.7	22.9	21.8
17:00	-.14	12.1	12.6	13.5	23.5	14.6	22.9	21.9
18:00	.12	7.3	9.6	10.1	19.9	9.5	21.7	21.6
19:00	.18	3.0	8.2	13.5	11.3	7.4	18.9	20.3
20:00	.09	3.0	4.1	2.5	7.2	5.2	16.8	18.3
21:00	-.01	3.0	3.9	5.0	8.9	3.6	15.0	17.4
22:00	.01	1.6	3.7	7.6	8.6	3.4	13.9	15.9
23:00	.05	3.0	3.7	6.2	7.9	2.4	13.5	14.6
Avg	.08	8.3	11.0	14.2	14.4	8.1	15.7	16.0
Max	.45	20.6	22.2	29.1	24.5	18.7	22.9	21.9
Hr. of Max	11	13	11	10	16	16	17	17
Min	-.32	1.6	3.7	2.5	6.9	2.2	9.9	10.4
Count	24	24	24	24	24	24	24	24
Total								