Date Printed: 10/07/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/6/2016

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	14.0	15.9	16.7	18.2	1.94	2.76	4.20	.81	2.26
01:00	13.4	15.3	16.0	17.7	1.88	2.58	4.28	.70	2.40
02:00	13.3	15.0	15.7	17.7	1.73	2.43	4.36	.70	2.63
03:00	12.8	14.5	15.0	16.5	1.70	2.21	3.73	.50	2.02
04:00	12.9	14.3	14.9	15.9	1.37	2.03	3.02	.67	1.65
05:00	12.3	14.0	14.4	15.4	1.71	2.15	3.14	.44	1.44
06:00	12.8	14.0	14.3	14.8	1.20	1.52	2.07	.32	.88
07:00	12.7	13.9	14.2	14.6	1.19	1.43	1.88	.25	.69
08:00	14.3	14.7	14.8	15.0	.35	.46	.68	.11	.33
09:00	17.8	17.3	17.0	16.8	-.46	-.78	-.99	-.32	-.53
10:00	20.0	19.1	18.8	18.6	-.88	-1.24	-1.47	-.36	-.59
11:00	22.5	21.3	20.9	20.7	-1.15	-1.57	-1.81	-.42	-.66
12:00	24.8	23.7	23.2	22.9	-1.14	-1.63	-1.91	-.50	-.77
13:00	26.6	25.4	24.8	24.5	-1.18	-1.74	-2.09	-.56	-.90
14:00	27.8	26.6	26.0	25.7	-1.16	-1.76	-2.11	-.60	-.94
15:00	28.5	27.4	26.8	26.5	-1.10	-1.67	-1.96	-.57	-.86
16:00	28.7	27.8	27.4	27.1	-.88	-1.32	-1.58	-.45	-.71
17:00	28.4	27.8	27.5	27.4	-.54	-.86	-1.02	-.32	-.48
18:00	26.1	27.0	27.0	27.0	.87	.88	.92	.01	.04
19:00	21.2	24.1	24.6	25.3	2.83	3.32	4.09	.50	1.27
20:00	18.3	21.3	22.7	23.9	3.00	4.43	5.57	1.43	2.57
21:00	17.0	20.1	21.5	22.8	3.07	4.49	5.79	1.42	2.73
22:00	15.6	18.7	20.0	21.5	3.13	4.40	5.89	1.27	2.76
23:00	14.6	17.1	18.4	19.7	2.45	3.72	5.03	1.27	2.58
Avg	19.0	19.8	20.1	20.7	.83	1.09	1.65	.26	.83
Max	28.7	27.8	27.5	27.4	3.13	4.49	5.89	1.43	2.76
Hr. of Max	16	17	17	17	22	21	22	20	22
Min	12.3	13.9	14.2	14.6	-1.18	-1.76	-2.11	-.60	-.94
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)

10/6/2016

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	11.0	11.8	12.0	22.5	83.7	77.6	10.0	10.4	0.008409
01:00	11.0	11.9	11.8	22.3	86.8	81.3	10.0	10.5	0.008401
02:00	11.2	12.0	11.9	22.0	88.3	83.3	10.1	10.6	0.008478
03:00	11.0	12.0	11.6	21.8	89.9	85.9	10.0	10.6	0.008375
04:00	11.4	12.0	11.9	21.6	91.6	87.8	10.2	10.6	0.008583
05:00	10.8	12.2	11.3	21.4	92.1	90.3	9.9	10.7	0.008259
06:00	11.6	12.5	12.0	21.1	94.2	92.1	10.4	10.9	0.008736
07:00	11.6	12.4	12.0	20.9	94.1	91.7	10.4	10.9	0.008716
08:00	12.3	12.0	13.0	20.8	89.3	85.3	10.8	10.6	0.009138
09:00	12.6	12.1	14.4	20.6	73.2	72.7	10.9	10.6	0.009357
10:00	12.2	11.9	14.8	20.5	61.8	63.8	10.6	10.4	0.009098
11:00	12.2	11.9	15.6	20.6	53.3	55.9	10.5	10.3	0.009136
12:00	11.8	11.6	16.1	20.8	45.2	47.7	10.2	10.1	0.008915
13:00	10.5	10.4	15.9	21.2	37.5	39.9	9.3	9.3	0.008217
14:00	9.1	9.1	15.3	21.7	31.8	34.1	8.5	8.5	0.007485
15:00	8.8	8.7	15.3	22.2	30.0	31.8	8.3	8.3	0.007354
16:00	8.3	8.1	15.1	22.5	28.5	29.6	8.0	7.9	0.007107
17:00	7.9	7.7	14.7	22.7	28.3	28.9	7.8	7.7	0.006919
18:00	8.7	7.9	14.5	22.9	34.3	30.8	8.3	7.9	0.007273
19:00	10.1	9.3	13.8	23.0	50.1	40.1	9.2	8.6	0.007948
20:00	10.2	10.1	12.9	22.9	60.2	49.9	9.3	9.2	0.00799
21:00	9.8	10.4	12.2	22.8	63.6	54.6	9.1	9.4	0.007772
22:00	9.7	9.8	11.7	22.6	69.2	57.2	9.1	9.1	0.007728
23:00	9.7	9.9	11.4	22.4	73.4	63.6	9.1	9.1	0.007709
Avg	10.6	10.7	13.4	21.8	64.6	61.5	9.6	9.7	0.008213
Max	12.6	12.5	16.1	23.0	94.2	92.1	10.9	10.9	0.009357
Hr. of Max	09	06	12	19	06	06	09	07	09
Min	7.9	7.7	11.3	20.5	28.3	28.9	7.8	7.7	0.006919
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/6/2016

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	0.00884	13.2	13.9	.00	29.23	989.8	-2.7	.00	62.1
01:00	0.008883	13.2	13.9	.00	29.24	990.2	-2.4	.00	347.8
02:00	0.008944	13.3	14.0	.00	29.24	990.4	-2.4	.00	52.5
03:00	0.008934	13.2	14.0	.00	29.24	990.3	-2.0	.00	64.1
04:00	0.008987	13.5	14.1	.00	29.24	990.3	-1.9	.00	61.5
05:00	0.009057	13.0	14.2	.00	29.25	990.5	-1.9	.00	64.6
06:00	0.009235	13.7	14.5	.00	29.26	990.8	-2.6	.00	54.3
07:00	0.009177	13.7	14.4	.00	29.26	990.9	4.1	.01	53.8
08:00	0.008933	14.4	14.0	.00	29.27	991.3	135.2	.19	70.4
09:00	0.009031	14.7	14.2	.00	29.28	991.5	349.0	.50	72.9
10:00	0.00889	14.3	14.0	.00	29.28	991.5	539.9	.77	86.6
11:00	0.008933	14.3	14.0	.00	29.27	991.3	677.4	.97	94.1
12:00	0.008779	14.0	13.8	.00	29.26	990.8	766.4	1.10	66.8
13:00	0.008148	12.9	12.8	.00	29.23	990.0	798.5	1.14	73.8
14:00	0.007487	11.8	11.8	.00	29.20	989.0	776.2	1.11	58.5
15:00	0.007309	11.5	11.5	.00	29.18	988.1	683.4	.98	59.1
16:00	0.007005	11.2	11.0	.00	29.17	987.8	519.3	.74	63.1
17:00	0.006832	10.9	10.7	.00	29.17	987.7	323.0	.46	58.8
18:00	0.006929	11.4	10.9	.00	29.17	987.8	77.1	.11	43.2
19:00	0.007555	12.5	11.9	.00	29.17	988.0	.4	.00	33.4
20:00	0.007966	12.5	12.5	.00	29.19	988.5	-2.2	.00	64.6
21:00	0.008083	12.2	12.7	.00	29.19	988.5	-2.1	.00	77.3
22:00	0.007791	12.1	12.2	.00	29.18	988.3	-2.4	.00	105.0
23:00	0.007806	12.1	12.2	.00	29.18	988.1	-2.7	.00	57.2
Avg	0.008314	12.9	13.1	.00	29.22	989.6	234.4	.34	62.0
Max	0.009235	14.7	14.5	.00	29.28	991.5	798.5	1.14	347.8
Hr. of Max	06	09	06	23	10	10	13	13	01
Min	0.006832	10.9	10.7	.00	29.17	987.7	-2.7	.00	33.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/6/2016

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	55.8	49.7	89.8	33.6	12.3	9.4	9.3	.2	1.6
01:00	71.6	42.3	332.4	17.0	44.2	36.0	11.1	.3	1.1
02:00	60.9	63.0	55.4	50.5	23.2	10.3	7.8	1.1	2.5
03:00	50.9	71.4	68.9	60.2	15.3	8.9	5.7	.9	2.0
04:00	52.9	65.2	63.5	53.5	13.4	9.2	6.7	1.6	2.4
05:00	64.3	57.8	67.0	46.2	17.6	10.9	4.0	.8	2.6
06:00	45.6	61.8	58.1	50.5	12.1	7.3	5.3	1.7	3.2
07:00	52.6	55.7	57.1	44.2	12.2	8.0	4.0	1.4	3.6
08:00	68.8	64.1	73.7	52.9	23.2	14.6	8.0	2.1	3.9
09:00	70.0	64.5	75.5	53.5	25.6	18.2	11.2	4.2	6.5
10:00	78.3	72.0	88.4	61.0	17.2	18.2	14.9	6.4	7.0
11:00	88.5	82.2	95.4	70.6	16.4	14.7	13.0	6.3	7.1
12:00	54.0	53.1	70.0	40.6	41.9	35.2	30.1	3.9	4.5
13:00	70.8	64.9	76.5	52.7	35.9	28.5	24.7	5.4	7.3
14:00	53.3	51.8	58.8	39.9	31.6	21.6	15.0	6.6	10.5
15:00	52.9	50.0	59.8	38.4	34.7	23.2	17.9	5.3	9.1
16:00	56.1	53.0	64.7 +	41.0	33.1	21.5	16.7	4.8	7.8
17:00	54.3	52.8	60.5	40.9	34.5	23.0	19.2	4.4	7.2
18:00	53.8	59.3	42.9	47.8	25.1	15.5	10.5	2.7	5.1
19:00	65.3	77.6	33.6	66.4	12.4	9.7	5.8	1.9	3.3
20:00	49.3	52.4	67.5	40.3	9.2	7.3	4.8	1.3	2.8
21:00	56.2	41.4	80.4	27.7	11.6	8.2	5.8	1.7	4.5
22:00	59.7	61.3	75.3	49.6	45.4	5.7	4.5	.5	3.5
23:00	50.6	73.7	63.9	62.3	34.3	10.8	5.7	.9	2.3
Avg	59.0	60.0	64.0	47.0	24.3	15.7	10.9	.0	.0
Max	88.5	82.2	332.4	70.6	45.4	36.0	30.1	6.6	10.5
Hr. of Max	11	11	01	11	22	01	12	14	14
Min	45.6	41.4	33.6	17.0	9.2	5.7	4.0	.2	1.1
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)

10/6/2016

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	2.1	.2	1.7	2.2	.5	2.4	2.3	.7	.03
01:00	1.7	1.0	1.2	1.7	1.4	2.0	.3	2.2	.00
02:00	2.7	1.2	2.6	2.7	1.3	2.9	3.0	2.8	.06
03:00	3.3	.9	2.0	3.3	1.2	3.5	2.1	3.7	.04
04:00	3.3	1.9	2.4	3.3	2.0	3.5	2.2	1.2	.06
05:00	4.6	.9	2.7	4.6	1.2	4.8	3.3	.4	.07
06:00	5.2	1.7	3.2	5.2	1.8	5.4	.7	-.6	.00
07:00	5.7	1.5	3.6	5.8	1.6	6.0	-.8	-.1	-.06
08:00	6.2	2.3	4.1	6.3	2.5	6.6	2.1	1.0	.10
09:00	9.1	4.5	6.7	9.2	5.2	9.7	3.1	1.2	.10
10:00	7.9	6.7	7.3	8.2	7.2	8.8	.5	3.9	-.04
11:00	7.4	6.5	7.3	7.6	7.0	8.0	1.3	1.3	.09
12:00	5.3	4.8	5.7	6.3	5.5	7.0	2.0	5.7	.04
13:00	8.4	6.3	8.0	9.0	7.0	9.6	.7	2.1	-.05
14:00	13.2	7.6	11.3	13.8	8.4	14.4	-.1	.0	-.42
15:00	11.0	6.3	9.8	11.6	7.2	12.2	-.8	2.2	-.40
16:00	9.7	5.6	8.4	10.2	6.3	10.7	.1	1.3	-.28
17:00	9.0	5.2	8.0	9.6	5.8	10.2	.0	2.6	-.23
18:00	6.7	2.9	5.3	6.8	3.3	7.2	-1.8	.6	-.22
19:00	5.5	2.0	3.4	5.5	2.0	5.8	1.0	1.4	.01
20:00	5.8	1.3	2.8	5.9	1.5	6.1	4.0	1.2	.10
21:00	6.5	1.8	4.6	6.6	2.0	6.8	2.8	.5	.09
22:00	5.5	.6	3.5	5.6	.8	5.8	2.5	.9	.04
23:00	3.3	1.1	2.3	3.4	1.3	3.6	1.4	.5	.02
Avg	.0	3.1	4.9	6.4	3.5	6.8	1.3	1.5	-.04
Max	13.2	7.6	11.3	13.8	8.4	14.4	4.0	5.7	.10
Hr. of Max	14	14	14	14	14	14	20	12	20
Min	1.7	.2	1.2	1.7	.5	2.0	-1.8	-.6	-.42
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/6/2016

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	.05	1.8	3.4	3.7	6.1	3.8	16.6	18.8
01:00	.11	3.2	3.4	4.8	8.2	6.3	16.0	18.3
02:00	.15	2.5	5.3	4.6	8.9	4.0	15.8	18.3
03:00	.23	2.1	3.2	7.6	7.0	3.1	15.3	17.3
04:00	.07	4.4	4.6	5.5	6.2	2.6	15.0	16.6
05:00	.03	2.3	4.6	9.2	8.9	2.6	14.7	16.0
06:00	-.06	3.2	6.6	11.4	8.0	2.4	14.7	15.5
07:00	-.02	4.1	8.0	11.4	11.8	3.1	14.8	15.2
08:00	.09	8.0	8.7	14.2	16.6	7.5	15.5	15.5
09:00	.07	12.8	16.3	20.8	20.1	10.6	18.2	17.3
10:00	.47	12.6	14.0	18.1	13.8	13.4	19.9	19.0
11:00	.14	14.2	18.1	16.5	13.9	12.7	22.1	21.1
12:00	.52	17.2	16.3	17.4	21.2	19.9	24.3	23.2
13:00	.16	16.3	21.1	21.1	18.5	16.1	25.9	24.6
14:00	-.17	19.7	22.9	22.9	21.4	11.7	27.0	25.6
15:00	.19	20.2	23.6	22.4	21.2	12.7	27.7	26.4
16:00	-.01	15.1	18.1	19.5	21.7	13.0	28.2	27.0
17:00	.22	16.0	22.2	23.4	21.8	13.3	28.2	27.3
18:00	-.01	9.6	13.1	17.6	17.7	8.4	27.3	27.0
19:00	.13	4.6	6.0	9.4	7.7	3.5	24.3	25.4
20:00	.12	3.4	6.0	14.9	7.5	3.0	21.7	23.9
21:00	.04	3.7	6.6	13.3	8.1	4.3	20.5	22.8
22:00	.08	3.7	10.3	15.6	9.9	2.2	19.2	21.6
23:00	.03	4.1	4.8	8.9	6.6	3.1	17.6	20.0
Avg	.11	8.5	11.1	13.9	13.0	7.6	20.4	21.0
Max	.52	20.2	23.6	23.4	21.8	19.9	28.2	27.3
Hr. of Max	12	15	15	17	17	12	17	17
Min	-.17	1.8	3.2	3.7	6.1	2.2	14.7	15.2
Count	24	24	24	24	24	24	24	24
Total								