Date Printed: 10/27/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/26/2016

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	8.0	9.6	10.2	11.7	1.53	2.18	3.66	.65	2.12
01:00	6.7	8.6	9.3	10.2	1.94	2.62	3.47	.68	1.53
02:00	6.5	8.4	9.4	10.7	1.98	2.99	4.23	1.01	2.26
03:00	6.2	8.2	9.2	10.5	1.94	2.97	4.25	1.02	2.30
04:00	6.4	7.9	8.7	9.8	1.51	2.29	3.47	.78	1.95
05:00	5.5	7.4	8.1	9.2	1.85	2.61	3.71	.75	1.85
06:00	4.5	6.3	7.0	8.5	1.84	2.48	4.01	.64	2.17
07:00	4.1	6.0	6.4	7.4	1.93	2.29	3.24	.36	1.30
08:00	4.7	5.9	6.3	6.9	1.19	1.56	2.13	.37	.94
09:00	8.7	8.3	8.3	8.6	-.31	-.31	-.02	-.01	.29
10:00	13.1	12.5	12.3	12.1	-.56	-.80	-.93	-.24	-.36
11:00	16.3	15.6	15.2	15.1	-.70	-1.05	-1.14	-.35	-.44
12:00	19.4	18.5	18.1	18.0	-.97	-1.29	-1.44	-.32	-.47
13:00	21.8	20.6	20.3	20.2	-1.18	-1.51	-1.65	-.33	-.47
14:00	23.7	22.5	22.1	22.0	-1.15	-1.52	-1.65	-.37	-.50
15:00	24.6	23.6	23.2	23.0	-1.04	-1.42	-1.59	-.39	-.56
16:00	25.0	24.3	24.0	23.8	-.67	-1.01	-1.16	-.34	-.49
17:00	23.8	23.7	23.5	23.4	-.13	-.33	-.40	-.21	-.27
18:00	22.2	22.4	22.4	22.5	.20	.16	.23	-.04	.03
19:00	19.9	21.2	21.4	21.6	1.33	1.55	1.79	.22	.47
20:00	18.9	20.5	20.7	20.9	1.62	1.83	2.07	.21	.45
21:00	17.2	19.7	20.1	20.4	2.49	2.91	3.17	.42	.67
22:00	16.8	19.5	19.6	19.8	2.68	2.84	3.01	.16	.33
23:00	15.2	18.5	18.8	19.1	3.33	3.62	3.86	.29	.52
Avg	14.1	15.0	15.2	15.6	.86	1.07	1.51	.21	.65
Max	25.0	24.3	24.0	23.8	3.33	3.62	4.25	1.02	2.30
Hr. of Max	16	16	16	16	23	23	03	03	03
Min	4.1	5.9	6.3	6.9	-1.18	-1.52	-1.65	-.39	-.56
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/26/2016

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	3.8	4.3	5.2	17.5	75.5	70.3	6.2	6.4	0.005079
01:00	3.4	4.2	4.5	17.3	80.5	74.5	6.1	6.4	0.004939
02:00	3.4	3.8	4.4	17.1	81.7	73.5	6.1	6.2	0.004934
03:00	3.3	3.8	4.2	16.8	82.0	74.5	6.0	6.2	0.004874
04:00	3.3	3.6	4.4	16.6	81.7	75.2	6.0	6.1	0.004904
05:00	2.9	3.4	3.8	16.4	84.1	76.3	5.9	6.0	0.004763
06:00	2.5	3.2	3.1	16.2	87.4	81.3	5.7	6.0	0.004599
07:00	2.3	3.1	2.9	16.1	88.6	82.3	5.6	5.9	0.004544
08:00	2.6	2.9	3.3	15.9	86.6	81.7	5.7	5.9	0.004633
09:00	4.1	3.3	5.6	15.7	74.0	71.4	6.3	6.0	0.005172
10:00	3.5	3.0	6.7	15.6	53.1	53.2	6.0	5.8	0.004975
11:00	3.6	3.1	7.8	15.6	43.6	43.8	6.0	5.8	0.005038
12:00	4.9	4.4	9.8	15.7	39.3	40.0	6.5	6.3	0.00555
13:00	6.6	6.2	11.6	15.9	38.0	39.9	7.2	7.1	0.006231
14:00	7.7	7.7	13.0	16.3	36.8	39.4	7.8	7.8	0.006766
15:00	8.0	7.9	13.6	16.7	35.5	37.3	7.9	7.9	0.006915
16:00	8.9	8.8	14.2	17.1	36.8	38.0	8.4	8.4	0.007326
17:00	9.4	9.2	14.2	17.5	40.8	40.7	8.7	8.6	0.007568
18:00	9.8	9.7	14.0	17.8	46.2	45.4	9.0	8.9	0.007789
19:00	10.3	10.4	13.5	18.0	55.1	51.2	9.3	9.4	0.008016
20:00	10.7	10.6	13.4	18.0	60.3	54.1	9.6	9.5	0.008251
21:00	10.7	10.8	12.9	18.1	66.8	57.5	9.7	9.7	0.00823
22:00	10.8	10.6	12.8	18.0	68.9	57.7	9.7	9.6	0.008261
23:00	10.5	10.4	12.1	18.0	74.5	60.2	9.6	9.5	0.008085
Avg	6.1	6.2	8.8	16.8	63.2	59.1	7.3	7.3	0.006143
Max	10.8	10.8	14.2	18.1	88.6	82.3	9.7	9.7	0.008261
Hr. of Max	22	21	17	21	07	07	22	21	22
Min	2.3	2.9	2.9	15.6	35.5	37.3	5.6	5.8	0.004544
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)

10/26/2016

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	0.005243	8.1	8.3	.00	29.37	994.5	-2.5	.00	83.6
01:00	0.005221	7.8	8.3	.00	29.37	994.7	-2.4	.00	147.7
02:00	0.005088	7.8	8.1	.00	29.38	994.8	-2.1	.00	62.0
03:00	0.005054	7.7	8.0	.00	29.38	994.8	-2.1	.00	75.0
04:00	0.005009	7.8	7.9	.00	29.38	994.9	-2.4	.00	72.9
05:00	0.004911	7.6	7.8	.00	29.38	995.0	-2.5	.00	68.8
06:00	0.004867	7.3	7.7	.00	29.39	995.2	-2.3	.00	78.4
07:00	0.004828	7.2	7.7	.00	29.39	995.3	-1.0	.00	96.9
08:00	0.004754	7.4	7.6	.00	29.40	995.7	76.0	.11	89.9
09:00	0.004887	8.2	7.8	.00	29.42	996.3	267.2	.38	101.5
10:00	0.004807	7.9	7.6	.00	29.43	996.6	392.8	.56	90.3
11:00	0.004841	8.0	7.7	.00	29.42	996.3	576.5	.83	110.5
12:00	0.005324	8.8	8.5	.00	29.40	995.7	695.7	1.00	148.6
13:00	0.006086	9.9	9.6	.00	29.37	994.7	685.5	.98	213.2
14:00	0.006746	10.7	10.7	.00	29.34	993.5	636.5	.91	219.5
15:00	0.006828	10.9	10.8	.00	29.31	992.6	536.4	.77	204.6
16:00	0.007273	11.5	11.5	.00	29.29	992.0	370.7	.53	202.5
17:00	0.00749	11.9	11.8	.00	29.28	991.5	104.0	.15	210.4
18:00	0.007749	12.3	12.2	.00	29.28	991.5	18.0	.03	218.3
19:00	0.008093	12.6	12.7	.00	29.28	991.7	-1.5	.00	199.2
20:00	0.008192	13.0	12.9	.00	29.29	992.1	-2.3	.00	210.8
21:00	0.008293	13.0	13.1	.00	29.30	992.3	-2.5	.00	154.5
22:00	0.008194	13.0	12.9	.00	29.31	992.6	-2.0	.00	233.0
23:00	0.008076	12.7	12.7	.00	29.32	992.8	-2.0	.00	231.0
Avg	0.006161	9.7	9.7	.00	29.35	994.0	180.5	.26	145.0
Max	0.008293	13.0	13.1	.00	29.43	996.6	695.7	1.00	233.0
Hr. of Max	21	22	21	23	10	10	12	12	22
Min	0.004754	7.2	7.6	.00	29.28	991.5	-2.5	.00	62.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/26/2016

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	64.6	57.2	78.7	48.1	7.7	5.3	2.3	1.5	3.2
01:00	71.8	64.4	252.8	54.4	56.2	51.1	12.4	.4	1.1
02:00	50.3	51.6	51.6	41.6	11.9	8.2	5.7	2.0	3.5
03:00	53.4	63.0	70.0	54.3	14.5	6.2	3.5	1.8	3.4
04:00	54.6	67.6	68.7	58.8	11.0	3.2	4.8	1.7	3.5
05:00	52.4	59.1	61.6	50.5	12.4	7.0	4.6	1.5	2.9
06:00	68.6	39.9	63.8	28.7	25.1	9.3	5.6	.2	1.9
07:00	106.4	55.1	314.2	46.3	38.0	19.0	7.6	.0	.1
08:00	51.2	62.5	85.7	53.7	14.2	8.2	8.5	.3	1.2
09:00	62.7	44.4	102.2	33.9	14.6	19.6	11.4	1.6	1.7
10:00	68.4	50.4	86.9	43.7	24.5	32.4	28.2	2.6	2.2
11:00	120.2	126.9	112.5 +	118.0	34.0	33.6	40.9	1.8	1.7
12:00	169.7	175.6	160.4	167.5	47.6	53.5	45.0	2.0	2.3
13:00	229.8	224.2	220.3	218.8	49.1	38.7	30.4	2.8	3.7
14:00	227.8	226.2	222.8	221.6	40.7	29.4	24.5	4.3	5.6
15:00	213.9	212.0	206.4	207.2	29.5	24.7	19.8	5.5	7.2
16:00	211.3	208.7	204.6	204.2	27.8	24.5	19.6	6.5	8.4
17:00	214.2	210.8	211.2	206.3	22.1	17.6	12.8	6.0	8.7
18:00	228.8	223.3	222.7	219.0	21.2	12.7	9.8	3.5	6.3
19:00	212.7	212.4	213.2	208.1	22.4	11.9	9.8	2.0	4.6
20:00	222.4	216.9	222.1	212.5	23.3	10.0	8.1	1.9	4.5
21:00	212.8	205.2	210.2	200.3	42.1	13.0	9.2	1.1	3.5
22:00	227.7	215.2	237.6	210.7	20.2	11.2	9.5	2.6	4.8
23:00	247.5	236.7	234.4	232.2	13.4	8.8	7.3	2.2	4.3
Avg	145.0	141.0	170.0	135.0	26.0	19.1	14.2	.0	.0
Max	247.5	236.7	314.2	232.2	56.2	53.5	45.0	6.5	8.7
Hr. of Max	23	23	07	23	01	12	12	16	17
Min	50.3	39.9	51.6	28.7	7.7	3.2	2.3	.0	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/26/2016

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	6.3	1.5	3.2	6.3	1.7	6.6	3.4	.3	.09
01:00	2.3	.7	1.2	2.4	1.3	2.6	.3	.7	.01
02:00	5.0	2.1	3.6	5.1	2.2	5.3	1.5	.0	.01
03:00	4.9	1.8	3.4	4.9	1.9	5.1	1.4	.1	.03
04:00	4.7	1.8	3.5	4.7	1.9	4.9	2.5	.1	.07
05:00	3.7	1.5	2.9	3.7	1.6	4.0	2.2	1.8	.05
06:00	3.1	.2	1.9	3.1	.5	3.3	1.4	2.3	.02
07:00	1.9	.0	.1	1.9	.5	2.1	1.2	.6	.01
08:00	1.8	.3	1.2	1.9	.7	2.1	3.4	-1.3	.05
09:00	3.3	1.6	1.9	3.3	2.0	3.6	1.7	-.3	.08
10:00	2.3	2.8	2.6	2.6	3.3	3.1	4.3	17.4	.27
11:00	1.5	2.2	2.2	2.0	2.8	2.7	.6	-4.3	.02
12:00	2.5	3.1	3.1	3.1	3.8	3.9	-2.7	-4.6	-.05
13:00	4.4	3.6	4.5	5.1	4.4	5.8	-1.0	-3.7	-.20
14:00	6.5	4.9	6.2	7.0	5.7	7.7	-1.2	-5.7	-.29
15:00	8.4	6.2	7.8	8.8	6.7	9.3	2.0	-1.3	.10
16:00	10.1	7.3	9.2	10.7	7.8	11.3	1.0	-1.9	-.12
17:00	11.3	6.5	9.0	11.5	7.0	12.2	2.5	-.2	.07
18:00	8.3	3.8	6.5	8.5	4.3	9.0	1.9	.1	.02
19:00	7.2	2.1	4.7	7.3	2.5	7.8	1.8	.6	.04
20:00	7.0	2.0	4.6	7.1	2.4	7.5	.8	.1	.00
21:00	5.9	1.2	3.6	5.9	1.7	6.3	-.1	-.9	-.04
22:00	6.5	2.8	4.9	6.6	3.2	7.0	-.8	-1.1	-.10
23:00	6.5	2.4	4.3	6.6	2.7	7.0	1.3	.1	.04
Avg	.0	2.6	4.0	5.4	3.0	5.8	1.2	.0	.01
Max	11.3	7.3	9.2	11.5	7.8	12.2	4.3	17.4	.27
Hr. of Max	17	16	16	17	16	17	10	10	10
Min	1.5	.0	.1	1.9	.5	2.1	-2.7	-5.7	-.29
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/26/2016

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	.02	3.4	6.4	9.6	8.3	1.8	9.8	11.7
01:00	.03	3.2	4.8	13.7	10.7	4.3	8.9	10.2
02:00	-.02	5.0	6.4	8.5	8.9	2.7	8.7	10.7
03:00	.01	3.2	7.8	11.9	6.9	2.2	8.4	10.5
04:00	.01	3.7	6.2	10.1	6.4	1.9	8.1	9.9
05:00	.12	3.2	6.6	6.4	7.5	2.5	7.6	9.3
06:00	.13	2.1	4.4	6.4	10.1	5.8	6.6	8.5
07:00	.03	1.1	1.1	7.1	5.7	3.2	6.3	7.5
08:00	-.04	1.4	3.7	5.3	7.4	4.4	6.2	7.0
09:00	-.06	3.9	5.0	6.4	16.7	11.2	8.8	8.7
10:00	1.04	6.4	6.4	5.5	19.6	23.3	12.8	12.2
11:00	-.21	5.3	6.6	5.5	28.2	33.5	15.9	15.1
12:00	-.26	10.1	12.1	10.5	28.3	34.2	18.7	17.9
13:00	-.46	11.4	11.2	11.9	24.5	24.5	20.8	19.9
14:00	-.85	14.9	16.0	16.9	22.2	18.0	22.7	21.8
15:00	-.37	15.1	23.6	19.5	19.3	14.6	23.8	22.9
16:00	-.57	18.1	20.4	24.7	16.6	11.7	24.6	23.8
17:00	-.23	17.9	22.4	20.8	17.9	10.1	24.1	23.5
18:00	-.04	12.4	14.2	22.4	15.7	7.2	23.0	22.7
19:00	.01	6.6	11.0	15.1	12.0	6.7	21.8	21.9
20:00	-.03	8.2	10.3	13.1	11.3	6.5	21.1	21.3
21:00	-.13	7.3	9.6	11.2	18.1	6.7	20.3	20.7
22:00	-.17	7.6	11.7	16.9	10.8	6.2	20.1	20.1
23:00	-.01	6.2	9.8	14.7	7.0	5.2	19.2	19.4
Avg	-.09	7.4	9.9	12.3	14.2	10.4	15.3	15.7
Max	1.04	18.1	23.6	24.7	28.3	34.2	24.6	23.8
Hr. of Max	10	16	15	16	12	12	16	16
Min	-.85	1.1	1.1	5.3	5.7	1.8	6.2	7.0
Count	24	24	24	24	24	24	24	24
Total								