Date Printed: 10/29/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/28/2016

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	14.4	16.3	17.1	17.8	1.92	2.65	3.41	.73	1.49
01:00	13.3	15.1	15.7	16.9	1.70	2.34	3.53	.63	1.83
02:00	12.8	14.0	14.5	15.4	1.25	1.69	2.59	.44	1.35
03:00	12.0	13.5	14.0	14.9	1.52	2.04	2.87	.52	1.35
04:00	11.1	12.9	13.5	14.4	1.73	2.32	3.29	.60	1.56
05:00	10.9	12.3	13.0	14.0	1.41	2.07	3.08	.66	1.66
06:00	10.1	11.9	12.5	13.3	1.80	2.44	3.23	.64	1.43
07:00	9.7	11.2	11.8	12.8	1.53	2.11	3.16	.58	1.63
08:00	10.0	11.1	11.4	12.3	1.13	1.46	2.29	.33	1.16
09:00	12.6	12.3	12.1	12.5	-.31	-.52	-.10	-.21	.20
10:00	16.3	15.8	15.0	15.4	-.51	-1.24	-.87	-.73	-.36
11:00	19.0	18.2	17.9	17.7	-.74	-1.04	-1.28	-.30	-.54
12:00	21.3	20.3	19.9	19.7	-.96	-1.33	-1.53	-.37	-.58
13:00	23.0	22.1	21.7	21.5	-.97	-1.34	-1.51	-.37	-.54
14:00	24.5	23.5	23.1	22.9	-1.01	-1.43	-1.58	-.42	-.57
15:00	25.4	24.5	24.2	23.9	-.86	-1.21	-1.45	-.35	-.59
16:00	25.6	25.0	24.6	24.5	-.62	-.92	-1.07	-.31	-.46
17:00	24.9	25.0	24.8	24.7	.06	-.11	-.23	-.17	-.29
18:00	20.9	22.8	23.7	24.1	1.91	2.82	3.15	.91	1.24
19:00	17.6	20.2	20.8	21.7	2.61	3.21	4.08	.60	1.48
20:00	15.7	18.1	18.8	20.2	2.33	3.02	4.50	.70	2.18
21:00	13.5	16.1	16.9	18.3	2.61	3.40	4.81	.79	2.21
22:00	12.5	14.8	15.6	17.1	2.27	3.06	4.54	.79	2.28
23:00	11.7	13.8	14.5	16.2	2.03	2.75	4.49	.72	2.46
Avg	16.2	17.1	17.4	18.0	.91	1.18	1.81	.27	.90
Max	25.6	25.0	24.8	24.7	2.61	3.40	4.81	.91	2.46
Hr. of Max	16	17	17	17	21	21	21	18	23
Min	9.7	11.1	11.4	12.3	-1.01	-1.43	-1.58	-.73	-.59
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/28/2016

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	12.0	12.9	12.8	18.6	86.9	81.4	10.6	11.2	0.008965
01:00	11.5	12.7	12.1	18.5	90.1	87.4	10.3	11.1	0.008671
02:00	11.4	12.4	11.8	18.4	92.3	91.2	10.2	10.9	0.008553
03:00	10.8	12.3	11.2	18.2	93.8	93.9	9.9	10.8	0.008244
04:00	10.0	12.0	10.4	18.1	94.1	95.8	9.4	10.6	0.00783
05:00	9.9	11.6	10.2	17.9	94.6	96.5	9.3	10.4	0.007751
06:00	9.1	11.2	9.4	17.8	94.5	97.1	8.8	10.2	0.007315
07:00	8.7	10.7	9.0	17.6	94.9	98.3	8.6	9.8	0.007143
08:00	9.1	10.6	9.4	17.4	95.4	98.3	8.9	9.8	0.007327
09:00	11.1	11.2	11.6	17.3	92.3	94.6	10.1	10.1	0.008416
10:00	12.5	12.2	13.8	17.2	80.0	80.9	10.9	10.7	0.009246
11:00	12.4	12.1	14.6	17.2	66.6	68.6	10.7	10.6	0.009154
12:00	11.5	11.1	14.7	17.3	55.0	56.7	10.1	9.8	0.008686
13:00	9.2	8.9	13.8	17.5	42.3	44.1	8.6	8.5	0.00747
14:00	8.4	8.4	13.8	17.8	36.8	38.9	8.2	8.2	0.007116
15:00	7.1	7.0	13.2	18.1	31.9	33.2	7.5	7.4	0.006504
16:00	7.0	6.9	13.2	18.4	31.4	32.4	7.4	7.4	0.006474
17:00	7.7	7.4	13.4	18.7	34.3	33.5	7.8	7.6	0.006774
18:00	9.0	8.2	13.0	18.9	47.4	40.1	8.5	8.1	0.007349
19:00	8.8	8.6	11.8	19.0	57.2	48.2	8.5	8.4	0.007244
20:00	8.9	9.4	11.2	19.0	64.9	57.9	8.6	8.8	0.007289
21:00	8.6	9.5	10.2	18.9	73.1	65.9	8.5	8.9	0.0071
22:00	8.7	9.5	10.0	18.8	78.5	71.7	8.6	9.0	0.007144
23:00	8.6	9.4	9.6	18.6	81.9	76.1	8.5	8.9	0.007081
Avg	9.7	10.3	11.8	18.1	71.3	70.1	9.1	9.5	0.007702
Max	12.5	12.9	14.7	19.0	95.4	98.3	10.9	11.2	0.009246
Hr. of Max	10	00	12	20	08	08	10	00	10
Min	7.0	6.9	9.0	17.2	31.4	32.4	7.4	7.4	0.006474
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)

10/28/2016

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	0.00949	14.1	14.9	.00	29.31	992.5	-1.9	.00	100.5
01:00	0.009383	13.6	14.8	.00	29.31	992.5	-1.8	.00	96.6
02:00	0.009174	13.5	14.4	.00	29.31	992.6	-2.0	.00	88.8
03:00	0.009114	13.0	14.3	.00	29.31	992.7	-2.1	.00	74.3
04:00	0.008927	12.3	14.0	.00	29.32	992.8	-1.5	.00	103.4
05:00	0.008686	12.2	13.7	.00	29.34	993.4	-1.1	.00	81.0
06:00	0.008473	11.6	13.4	.00	29.34	993.8	-2.7	.00	203.3
07:00	0.008192	11.3	12.9	.00	29.35	994.1	-1.8	.00	90.5
08:00	0.00813	11.6	12.8	.00	29.37	994.8	42.0	.06	76.2
09:00	0.008448	13.3	13.3	.00	29.39	995.4	221.4	.32	95.8
10:00	0.009047	14.6	14.3	.00	29.40	995.5	430.1	.62	106.1
11:00	0.008996	14.4	14.2	.00	29.39	995.3	565.1	.81	88.3
12:00	0.008442	13.7	13.3	.00	29.37	994.7	642.5	.92	81.5
13:00	0.007325	11.8	11.6	.00	29.35	993.9	681.7	.98	91.9
14:00	0.007068	11.2	11.2	.00	29.32	993.1	638.4	.92	73.3
15:00	0.006435	10.3	10.2	.00	29.30	992.4	548.4	.79	67.7
16:00	0.006433	10.2	10.2	.00	29.29	991.9	368.2	.53	47.8
17:00	0.006652	10.7	10.5	.00	29.28	991.6	196.9	.28	68.6
18:00	0.006992	11.6	11.0	.00	29.28	991.5	28.6	.04	56.7
19:00	0.00718	11.4	11.3	.00	29.28	991.7	-2.3	.00	76.8
20:00	0.007536	11.5	11.9	.00	29.30	992.1	-2.1	.00	74.3
21:00	0.007574	11.2	11.9	.00	29.30	992.4	-2.1	.00	99.8
22:00	0.007564	11.3	11.9	.00	29.31	992.7	-2.0	.00	79.7
23:00	0.007513	11.2	11.8	.00	29.31	992.7	-2.3	.00	76.3
Avg	0.008032	12.2	12.7	.00	29.33	993.2	180.7	.26	84.0
Max	0.00949	14.6	14.9	.00	29.40	995.5	681.7	.98	203.3
Hr. of Max	00	10	00	23	10	10	13	13	06
Min	0.006433	10.2	10.2	.00	29.28	991.5	-2.7	.00	47.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/28/2016

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	292.0	215.2	251.8	210.7	34.0	69.3	10.2	.1	.4
01:00	66.1	233.4	154.5	228.5	14.6	39.3	25.0	.2	.2
02:00	119.3	164.9	89.2	155.8	12.3	23.4	27.3	.6	.9
03:00	56.7	48.5	67.4	39.0	19.5	14.9	14.5	.4	1.3
04:00	326.6	91.7	273.9	80.7	39.9	26.2	36.1	.0	.4
05:00	53.9	39.0	65.5	28.4	31.7	39.4	14.9	.6	1.6
06:00	222.6	206.0	243.6	206.1	37.0	28.7	24.0	1.0	.9
07:00	93.1	292.2	96.0	287.9	39.5	23.9	20.4	.2	.5
08:00	69.5	47.3	40.8	32.5	13.1	4.6	9.2	.2	1.1
09:00	59.6	52.9	99.5	42.4	17.8	23.9	16.7	.8	1.2
10:00	96.0	76.8	107.0	68.0	24.5	29.4	24.5	1.7	1.7
11:00	84.0	70.1	88.9	59.7	33.9	40.5	37.5	2.1	2.2
12:00	63.6	60.7	91.9	50.5	56.7	52.8	44.6	1.4	1.6
13:00	71.3	65.0	88.0	57.6	58.3	64.6	57.6	1.4	1.4
14:00	69.7	70.7	74.6	60.1	59.3	52.2	45.1	1.4	1.8
15:00	63.4	60.1	63.2	50.4	46.3	35.1	28.0	2.4	3.3
16:00	35.7	38.7	37.4	28.5	35.3	31.7	28.3	1.8	2.4
17:00	25.0	35.7	21.1	27.4	31.7	40.5	33.4	.8	1.1
18:00	113.6	206.4	308.4	165.8	28.9	36.2	58.6	.2	.3
19:00	62.0	60.5	23.4	51.4	16.2	14.1	7.4	.4	1.3
20:00	58.1	57.8	47.0	48.6	18.1	11.9	5.3	.8	1.8
21:00	120.1	72.7	108.9	62.2	55.3	25.3	8.9	.3	.4
22:00	53.8	52.0	53.0	39.5	13.4	22.4	12.4	.3	1.1
23:00	53.9	55.4	64.1	46.0	12.4	7.2	4.8	.7	1.8
Avg	66.0	66.0	69.0	55.0	31.2	31.6	24.8	.0	.0
Max	326.6	292.2	308.4	287.9	59.3	69.3	58.6	2.4	3.3
Hr. of Max	04	07	18	07	14	00	18	15	15
Min	25.0	35.7	21.1	27.4	12.3	4.6	4.8	.0	.2
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)

10/28/2016

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	2.2	.3	.7	2.3	.8	2.5	2.1	-.1	.03
01:00	2.1	.2	.2	2.3	.6	2.5	2.2	-.1	.04
02:00	.4	.6	.9	2.4	.8	2.6	4.3	3.2	.09
03:00	2.1	.5	1.4	2.1	1.0	2.4	3.1	1.2	.06
04:00	.5	.3	1.0	.9	1.0	1.2	1.3	-.7	.02
05:00	2.2	.7	1.8	2.5	1.2	2.7	1.9	2.9	.04
06:00	1.1	1.2	1.0	1.6	1.7	1.9	.9	.4	.02
07:00	.6	.3	1.5	1.6	.7	1.9	2.9	1.2	.05
08:00	.7	.2	1.2	.8	.7	1.1	.1	-1.4	.00
09:00	2.1	.8	1.4	2.2	1.3	2.4	1.8	-2.0	.04
10:00	1.9	1.9	1.9	2.1	2.5	2.5	-3.1	-5.3	-.10
11:00	2.4	2.5	2.8	2.9	3.1	3.5	1.9	-1.0	.06
12:00	1.8	2.4	2.6	2.8	3.1	3.6	1.9	2.7	.01
13:00	1.5	2.3	2.4	2.5	2.9	3.2	-1.6	6.2	-.09
14:00	2.0	2.6	2.8	3.0	3.3	3.8	3.9	1.7	.17
15:00	3.7	3.0	3.7	4.0	3.5	4.6	1.4	-1.7	-.07
16:00	2.7	2.9	3.2	3.3	3.5	3.8	-.8	-1.4	-.05
17:00	1.4	1.0	1.4	1.6	1.5	2.1	.5	6.6	-.01
18:00	.1	.3	.8	.5	.9	.8	2.7	2.0	.04
19:00	1.9	.4	1.3	1.9	.7	2.1	1.0	-.4	.01
20:00	3.0	.8	1.8	3.0	1.1	3.2	1.9	.8	.04
21:00	1.9	.4	.6	1.9	.8	2.2	2.9	-1.7	.04
22:00	1.3	.4	1.1	1.4	.8	1.6	3.1	-.2	.04
23:00	2.9	.7	1.8	2.9	1.0	3.1	1.8	.7	.03
Avg	.0	1.1	1.6	2.2	1.6	2.6	1.6	.6	.02
Max	3.7	3.0	3.7	4.0	3.5	4.6	4.3	6.6	.17
Hr. of Max	15	15	15	15	16	15	02	17	14
Min	.1	.2	.2	.5	.6	.8	-3.1	-5.3	-.10
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/28/2016

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	-.01	2.1	2.7	5.5	10.9	6.5	17.2	18.5
01:00	.00	2.5	1.8	4.1	7.6	7.3	15.9	17.6
02:00	.13	2.3	2.7	6.2	7.8	4.8	14.8	16.0
03:00	.05	2.3	3.2	6.9	11.7	8.6	14.3	15.5
04:00	-.01	2.3	3.0	3.0	8.1	8.7	13.7	15.1
05:00	.16	2.3	4.1	4.4	8.1	5.0	13.0	14.7
06:00	.02	3.7	2.7	2.5	5.4	4.1	12.5	13.9
07:00	.05	3.2	4.4	3.4	7.5	4.6	11.8	13.4
08:00	-.03	1.8	2.5	2.7	7.2	4.9	11.7	12.8
09:00	-.10	3.7	3.9	4.1	22.9	8.2	13.2	13.1
10:00	-.28	4.8	6.0	5.3	23.2	20.8	16.7	16.1
11:00	-.14	7.6	7.3	7.1	29.8	28.9	19.2	18.3
12:00	.22	7.1	8.5	7.1	29.4	34.7	21.1	20.2
13:00	.39	8.5	8.0	9.6	28.5	35.8	22.5	21.8
14:00	.05	8.9	9.6	9.4	29.5	32.7	23.9	23.0
15:00	-.07	8.2	8.7	9.2	26.6	25.2	24.9	23.9
16:00	.03	7.1	8.9	9.4	22.8	25.4	25.3	24.5
17:00	.18	5.3	4.6	4.6	27.8	31.9	25.4	24.7
18:00	.04	2.5	3.0	2.5	9.0	9.0	23.2	24.1
19:00	-.01	2.5	3.0	4.8	6.9	2.7	20.6	22.0
20:00	.05	2.3	3.4	5.5	10.5	2.7	18.5	20.6
21:00	-.02	2.5	3.2	4.6	8.1	5.0	16.6	18.7
22:00	-.01	2.5	2.1	2.1	8.7	3.2	15.3	17.5
23:00	.05	1.8	2.5	4.8	7.3	2.5	14.3	16.7
Avg	.03	4.1	4.6	5.4	15.2	13.5	17.7	18.4
Max	.39	8.9	9.6	9.6	29.8	35.8	25.4	24.7
Hr. of Max	13	14	14	13	11	13	17	17
Min	-.28	1.8	1.8	2.1	5.4	2.5	11.7	12.8
Count	24	24	24	24	24	24	24	24
Total								