Date Printed: 10/02/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/1/2016

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	10.7	12.5	13.3	14.1	1.82	2.62	3.46	.80	1.64
01:00	10.1	11.7	12.2	13.0	1.56	2.10	2.89	.54	1.33
02:00	10.2	11.3	11.7	12.4	1.14	1.53	2.20	.39	1.07
03:00	10.8	11.5	11.8	12.3	.69	.98	1.48	.29	.79
04:00	9.7	10.7	11.3	11.9	.97	1.55	2.11	.58	1.13
05:00	9.1	10.4	10.7	11.0	1.27	1.60	1.88	.33	.61
06:00	8.9	10.0	10.4	10.7	1.15	1.55	1.84	.40	.69
07:00	8.8	9.8	10.1	10.7	.99	1.25	1.87	.26	.88
08:00	10.3	10.4	10.3	10.9	.06	.03	.59	-.02	.54
09:00	13.6	13.2	12.6	12.8	-.41	-.99	-.82	-.59	-.41
10:00	14.8	14.4	14.1	14.0	-.45	-.71	-.82	-.26	-.37
11:00	16.6	16.0	15.7	15.6	-.60	-.90	-1.00	-.30	-.41
12:00	18.9	17.9	17.5	17.4	-.98	-1.35	-1.46	-.37	-.48
13:00	21.5	20.3	19.8	19.6	-1.20	-1.69	-1.82	-.49	-.62
14:00	22.5	21.4	21.1	20.9	-1.11	-1.39	-1.53	-.29	-.42
15:00	22.8	21.9	21.5	21.4	-.97	-1.31	-1.44	-.34	-.47
16:00	22.9	22.2	21.9	21.8	-.72	-.99	-1.08	-.27	-.37
17:00	22.6	22.2	22.0	21.9	-.37	-.59	-.70	-.22	-.33
18:00	21.5	21.5	21.4	21.4	-.01	-.10	-.11	-.10	-.10
19:00	18.7	19.6	20.1	20.5	.92	1.47	1.79	.55	.87
20:00	16.5	18.0	18.6	19.0	1.47	2.01	2.46	.54	1.00
21:00	16.0	17.3	17.6	18.4	1.28	1.57	2.39	.30	1.11
22:00	14.8	16.2	16.8	17.5	1.41	2.04	2.76	.63	1.34
23:00	13.6	15.0	15.6	16.2	1.44	2.00	2.62	.56	1.18
Avg	15.2	15.6	15.8	16.1	.39	.51	.82	.12	.43
Max	22.9	22.2	22.0	21.9	1.82	2.62	3.46	.80	1.64
Hr. of Max	16	17	17	17	00	00	00	00	00
Min	8.8	9.8	10.1	10.7	-1.20	-1.69	-1.82	-.59	-.62
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/1/2016

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	8.8	9.8	9.4	21.2	89.2	85.0	8.6	9.2	0.007219
01:00	8.6	9.8	9.1	21.0	91.0	89.4	8.5	9.3	0.007119
02:00	8.6	9.8	9.2	20.8	91.3	91.3	8.6	9.2	0.007157
03:00	9.2	9.7	9.8	20.6	91.4	90.0	8.9	9.2	0.007456
04:00	8.5	9.6	8.9	20.4	92.8	93.8	8.5	9.1	0.007068
05:00	7.9	9.3	8.3	20.2	93.0	94.3	8.2	9.0	0.0068
06:00	7.7	9.1	8.1	20.0	93.2	95.1	8.1	8.9	0.006701
07:00	7.7	9.2	8.1	19.8	93.8	96.9	8.1	8.9	0.006711
08:00	9.0	9.5	9.4	19.7	92.8	95.6	8.8	9.1	0.007327
09:00	10.0	9.5	11.2	19.5	80.2	79.3	9.3	9.0	0.007871
10:00	10.1	9.7	11.6	19.4	74.3	74.6	9.3	9.1	0.007879
11:00	10.1	9.7	12.3	19.5	66.5	67.2	9.3	9.1	0.007908
12:00	10.4	9.9	13.2	19.6	58.9	60.6	9.4	9.1	0.008081
13:00	10.4	10.1	14.1	19.9	50.2	52.9	9.3	9.2	0.008102
14:00	10.0	9.8	14.1	20.4	46.0	48.7	9.1	9.0	0.00791
15:00	10.2	9.9	14.4	20.9	45.8	47.6	9.2	9.1	0.008053
16:00	10.1	9.8	14.3	21.2	45.1	46.1	9.1	9.0	0.007966
17:00	10.4	10.1	14.5	21.4	47.1	47.3	9.3	9.2	0.008146
18:00	11.9	11.3	15.1	21.6	55.5	53.4	10.3	9.9	0.008978
19:00	12.3	12.0	14.4	21.7	67.6	62.8	10.7	10.5	0.009188
20:00	12.1	12.2	13.6	21.7	76.1	70.0	10.6	10.6	0.009041
21:00	12.2	12.4	13.5	21.6	79.5	74.5	10.7	10.8	0.00912
22:00	12.0	12.6	12.9	21.5	84.8	80.8	10.6	11.0	0.00898
23:00	11.5	12.4	12.2	21.3	88.6	85.8	10.3	10.9	0.008678
Avg	10.0	10.3	11.7	20.6	74.8	74.3	9.3	9.5	0.007894
Max	12.3	12.6	15.1	21.7	93.8	96.9	10.7	11.0	0.009188
Hr. of Max	19	22	18	20	07	07	21	22	19
Min	7.7	9.1	8.1	19.4	45.1	46.1	8.1	8.9	0.006701
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/1/2016

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	0.007758	11.3	12.2	.00	29.15	987.1	-1.9	.00	253.6
01:00	0.007759	11.2	12.2	.00	29.15	987.3	-2.1	.00	306.3
02:00	0.007726	11.2	12.1	.00	29.16	987.5	-2.3	.00	296.0
03:00	0.007684	11.7	12.0	.00	29.16	987.4	-2.1	.00	352.0
04:00	0.007627	11.1	12.0	.00	29.16	987.4	-2.6	.00	251.6
05:00	0.007506	10.7	11.8	.00	29.15	987.2	-2.2	.00	16.6
06:00	0.007387	10.5	11.6	.00	29.15	987.3	-2.4	.00	347.9
07:00	0.007413	10.5	11.6	.00	29.17	987.9	4.5	.01	308.4
08:00	0.007568	11.5	11.9	.00	29.19	988.4	124.5	.18	107.3
09:00	0.00758	12.4	11.9	.00	29.20	988.8	235.7	.34	134.6
10:00	0.007687	12.4	12.1	.00	29.21	989.2	210.3	.30	227.7
11:00	0.00769	12.4	12.1	.00	29.21	989.3	330.2	.47	142.1
12:00	0.00782	12.7	12.3	.00	29.20	988.9	617.1	.88	204.9
13:00	0.007924	12.7	12.4	.00	29.17	988.0	782.3	1.12	206.8
14:00	0.007819	12.4	12.3	.00	29.15	987.2	555.1	.80	212.1
15:00	0.007888	12.6	12.4	.00	29.13	986.6	459.5	.66	205.7
16:00	0.007791	12.5	12.2	.00	29.13	986.4	321.5	.46	222.7
17:00	0.007997	12.8	12.5	.00	29.13	986.4	135.0	.19	222.7
18:00	0.00863	14.0	13.5	.00	29.13	986.4	45.3	.06	339.3
19:00	0.009041	14.4	14.1	.00	29.13	986.7	1.9	.00	344.8
20:00	0.009132	14.1	14.3	.00	29.15	987.0	-2.1	.00	10.1
21:00	0.009266	14.3	14.5	.00	29.15	987.3	-2.6	.00	27.2
22:00	0.009365	14.1	14.6	.00	29.16	987.3	-2.7	.00	323.6
23:00	0.009234	13.6	14.4	.00	29.16	987.5	-2.1	.00	291.7
Avg	0.008054	12.4	12.6	.00	29.16	987.5	158.2	.23	280.0
Max	0.009365	14.4	14.6	.00	29.21	989.3	782.3	1.12	352.0
Hr. of Max	22	19	22	23	11	11	13	13	03
Min	0.007387	10.5	11.6	.00	29.13	986.4	-2.7	.00	10.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/1/2016

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	238.7	235.5	256.3	230.6	16.5	16.1	17.0	1.6	2.2
01:00	239.3	217.3	296.2	215.6	32.9	40.9	19.6	.5	1.0
02:00	61.5	270.0	253.7	259.9	15.3	14.3	58.0	.1	.6
03:00	40.3	64.7	350.1	38.8	38.2	16.9	17.9	.2	.8
04:00	200.5	89.6	258.6	83.7	18.6	27.3	20.5	.8	.3
05:00	54.0	79.7	5.1	65.8	36.0	18.0	12.1	.4	1.0
06:00	39.9	46.6	310.7	29.2	41.6	16.4	12.8	.3	1.3
07:00	58.7	47.3	304.1	26.3	30.9	27.1	16.2	.3	1.2
08:00	63.7	57.9	82.3	39.8	38.3	21.2	10.9	.5	1.2
09:00	115.5	98.9	154.2	79.2	43.5	52.3	37.3	.4	.4
10:00	231.0	229.4	231.4	227.5	38.9	31.7	34.2	1.0	1.3
11:00	192.3	181.2	155.5	212.1	82.4	82.1	86.2	.3	.4
12:00	210.4	205.2	211.4	200.9	41.7	38.2	39.9	2.2	2.6
13:00	214.3	211.4	211.3	204.8	44.2	36.4	31.8	3.0	4.2
14:00	219.7	220.6	217.8	214.7	35.2	32.3	29.5	4.3	5.3
15:00	210.6	209.7	209.3	204.0	43.3	32.1	26.1	2.6	3.4
16:00	238.0	236.1	230.0	231.2	45.5	37.3	28.8	2.4	3.2
17:00	233.0	230.7	226.7	229.0	35.0	29.0	34.5	1.5	1.8
18:00	356.4	2.5	339.9	347.0	24.8	16.8	20.5	.9	1.9
19:00	33.8	60.6	338.9	46.9	28.3	13.5	10.1	.5	1.6
20:00	57.2	61.2	24.5	46.6	20.8	11.5	7.7	.6	1.7
21:00	78.1	56.5	22.2	41.1	17.2	11.7	6.2	.5	2.0
22:00	45.6	51.0	313.1	34.1	20.7	17.2	13.7	.4	1.0
23:00	241.7	102.1	269.7	77.3	22.3	55.0	18.0	.7	.2
Avg	158.0	121.0	271.0	84.0	33.8	29.0	25.4	.0	.0
Max	356.4	270.0	350.1	347.0	82.4	82.1	86.2	4.3	5.3
Hr. of Max	18	02	03	18	11	11	11	14	14
Min	33.8	2.5	5.1	26.3	15.3	11.5	6.2	.1	.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)

10/1/2016

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	2.8	1.9	2.4	3.0	2.1	3.3	-.1	.2	.00
01:00	1.8	.8	1.2	1.9	1.1	2.2	1.8	-.3	.03
02:00	.5	.2	.7	.5	.5	.7	1.3	-.2	.02
03:00	.6	.5	.8	.9	.7	1.1	1.5	.1	.03
04:00	.1	.8	.4	.9	1.2	1.1	.2	.8	.01
05:00	1.4	.5	1.0	1.5	1.0	1.7	2.9	.3	.05
06:00	1.8	.3	1.3	1.9	.8	2.2	.8	.5	.01
07:00	1.9	.8	1.2	1.9	1.2	2.2	.7	.9	.00
08:00	1.7	.5	1.2	1.7	.9	2.0	1.5	.3	.06
09:00	.6	.8	.9	1.0	1.3	1.5	-7.3	-11.9	-.16
10:00	1.5	1.3	1.4	1.7	1.8	2.1	-.9	-7.0	-.05
11:00	.4	1.2	1.2	1.1	1.9	1.7	.8	1.8	.05
12:00	2.8	2.8	3.0	3.4	3.4	4.0	-1.5	-7.2	-.08
13:00	4.8	3.8	5.0	5.4	4.6	6.1	3.8	-2.5	.17
14:00	6.1	5.2	6.1	6.8	5.9	7.5	.6	1.9	-.04
15:00	3.9	3.4	4.0	4.4	4.0	4.9	4.6	2.7	.21
16:00	3.6	3.0	3.6	4.0	3.5	4.5	-3.3	-6.0	-.25
17:00	1.9	1.8	2.0	2.1	2.2	2.5	2.1	-1.2	.01
18:00	2.4	1.1	2.4	3.1	1.3	3.3	2.1	-.3	.00
19:00	2.5	.5	1.7	2.7	.8	2.9	-.5	.1	-.03
20:00	2.1	.7	1.8	2.2	.9	2.3	3.0	2.2	.06
21:00	2.1	.6	2.1	2.3	.8	2.5	4.7	3.4	.07
22:00	1.8	.5	1.1	2.0	.8	2.2	.9	.7	.01
23:00	.1	.8	.2	.1	1.1	.6	.2	-.9	.00
Avg	.0	1.4	1.9	2.4	1.8	2.7	.8	-.9	.01
Max	6.1	5.2	6.1	6.8	5.9	7.5	4.7	3.4	.21
Hr. of Max	14	14	14	14	14	14	21	21	15
Min	.1	.2	.2	.1	.5	.6	-7.3	-11.9	-.25
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/1/2016

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	.00	3.9	7.8	6.4	4.7	3.8	13.1	14.6
01:00	-.01	3.0	2.7	5.3	8.5	3.5	12.3	13.5
02:00	.00	1.4	2.5	3.0	6.5	6.1	12.0	12.9
03:00	.00	1.8	2.1	2.3	6.2	6.6	12.1	12.7
04:00	.01	3.0	2.1	3.0	7.7	10.1	11.4	12.3
05:00	.02	1.8	2.5	3.0	7.5	4.6	11.0	11.4
06:00	.02	1.6	3.2	3.9	9.1	4.9	10.6	11.2
07:00	.07	2.1	3.2	3.9	7.4	6.9	10.4	11.2
08:00	-.01	2.5	2.5	3.2	18.6	9.2	11.1	11.5
09:00	-.35	3.4	3.7	4.8	33.0	30.8	14.0	13.4
10:00	-.28	3.7	3.7	4.6	27.0	25.0	15.0	14.2
11:00	.07	4.1	5.3	4.6	33.4	37.7	16.7	16.0
12:00	-.55	9.4	11.7	13.5	26.7	26.8	18.4	17.5
13:00	-.39	13.7	22.0	23.1	25.2	21.9	20.6	19.6
14:00	.03	15.1	19.7	22.0	18.1	20.7	21.7	20.9
15:00	.16	8.2	9.6	9.2	23.6	21.9	22.3	21.5
16:00	-.49	12.8	14.0	12.8	21.6	21.2	22.6	21.9
17:00	-.14	5.3	6.0	4.8	21.4	24.7	22.7	22.1
18:00	-.03	3.4	7.6	6.6	16.6	6.3	22.1	21.7
19:00	.00	3.7	3.7	6.4	11.2	4.9	20.3	20.9
20:00	.10	1.8	3.4	3.4	6.6	3.6	18.7	19.6
21:00	.14	2.1	3.9	4.8	8.7	3.7	18.0	18.9
22:00	.03	2.1	2.5	7.1	6.4	4.4	16.9	18.1
23:00	-.01	3.0	1.6	1.4	5.3	6.4	15.8	16.8
Avg	-.07	4.7	6.1	6.8	15.0	13.2	16.2	16.4
Max	.16	15.1	22.0	23.1	33.4	37.7	22.7	22.1
Hr. of Max	15	14	13	13	11	11	17	17
Min	-.55	1.4	1.6	1.4	4.7	3.5	10.4	11.2
Count	24	24	24	24	24	24	24	24
Total								