Date Printed: 09/12/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/11/2016

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	20.9	21.3	21.6	21.8	.45	.76	.97	.31	.51
01:00	21.4	21.6	21.7	21.8	.22	.26	.38	.04	.16
02:00	21.2	21.2	21.1	21.2	-.02	-.06	.00	-.04	.02
03:00	21.0	21.0	20.9	20.9	-.01	-.06	-.04	-.05	-.03
04:00	20.8	20.9	20.8	20.8	.09	.02	-.01	-.07	-.10
05:00	20.4	20.5	20.6	20.6	.14	.23	.29	.09	.15
06:00	20.2	20.1	20.4	20.5	-.04	.20	.33	.24	.36
07:00	20.3	20.3	20.5	20.6	-.03	.12	.26	.15	.29
08:00	21.3	21.2	21.1	21.1	-.11	-.18	-.21	-.07	-.10
09:00	22.3	22.0	21.7	21.6	-.34	-.61	-.77	-.28	-.43
10:00	24.1	23.2	22.7	22.5	-.90	-1.33	-1.59	-.43	-.69
11:00	25.7	24.5	24.1	23.8	-1.14	-1.61	-1.85	-.47	-.71
12:00	26.6	25.4	25.0	24.9	-1.15	-1.55	-1.74	-.40	-.59
13:00	27.8	26.5	26.1	25.8	-1.27	-1.72	-1.96	-.45	-.69
14:00	28.9	27.5	27.1	26.8	-1.38	-1.83	-2.07	-.45	-.69
15:00	28.5	27.6	27.2	27.0	-.92	-1.32	-1.52	-.40	-.60
16:00	28.9	27.8	27.3	27.0	-1.10	-1.56	-1.87	-.46	-.77
17:00	28.7	27.9	27.5	27.2	-.83	-1.25	-1.48	-.42	-.64
18:00	27.9	27.5	27.3	27.1	-.37	-.61	-.74	-.24	-.36
19:00	24.5	25.8	26.2	26.3	1.31	1.62	1.81	.31	.51
20:00	20.8	23.6	24.1	24.6	2.87	3.34	3.80	.48	.94
21:00	19.1	21.7	22.3	22.9	2.64	3.17	3.80	.53	1.16
22:00	17.8	20.5	21.0	21.5	2.74	3.28	3.74	.54	1.00
23:00	17.1	20.1	20.2	20.6	2.99	3.14	3.53	.15	.54
Avg	23.2	23.3	23.3	23.3	.16	.10	.13	-.06	-.03
Max	28.9	27.9	27.5	27.2	2.99	3.34	3.80	.54	1.16
Hr. of Max	16	17	17	17	23	20	21	22	21
Min	17.1	20.1	20.2	20.5	-1.38	-1.83	-2.07	-.47	-.77
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/11/2016

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	18.6	17.7	19.4	27.5	89.1	81.8	15.9	15.0	0.013849
01:00	17.8	17.4	19.0	27.3	81.7	78.7	15.1	14.7	0.013152
02:00	18.0	17.9	19.1	27.1	84.1	83.4	15.3	15.1	0.013348
03:00	18.2	17.9	19.1	26.9	86.0	84.6	15.5	15.2	0.013485
04:00	18.3	17.9	19.1	26.7	87.5	84.8	15.5	15.1	0.013542
05:00	18.2	18.0	18.9	26.5	89.4	87.5	15.5	15.3	0.013477
06:00	18.2	18.1	18.8	26.4	90.4	90.0	15.5	15.4	0.01345
07:00	18.3	18.1	19.0	26.2	90.1	89.0	15.6	15.4	0.013565
08:00	17.9	17.4	19.0	26.1	82.9	80.7	15.2	14.7	0.01322
09:00	14.6	14.1	17.2	26.0	63.1	62.1	12.3	11.9	0.010713
10:00	14.4	13.9	17.6	25.9	56.1	57.0	12.1	11.7	0.010569
11:00	13.7	13.5	17.7	25.9	48.8	51.4	11.5	11.4	0.010119
12:00	13.0	12.8	17.5	26.1	44.0	46.4	10.9	10.8	0.009652
13:00	11.7	11.6	17.1	26.4	37.9	40.5	10.1	10.0	0.008919
14:00	10.6	10.7	16.7	26.8	33.1	36.1	9.4	9.5	0.008324
15:00	10.9	11.0	16.8	27.2	34.5	36.5	9.5	9.6	0.008465
16:00	10.5	10.4	16.6	27.4	32.8	34.8	9.3	9.3	0.008245
17:00	9.9	9.9	16.1	27.6	31.8	33.3	8.9	8.9	0.007912
18:00	9.4	9.4	15.5	27.7	32.2	32.9	8.6	8.6	0.007636
19:00	10.7	9.9	15.3	27.7	43.1	37.7	9.5	9.0	0.008309
20:00	11.9	11.4	14.8	27.6	57.9	47.4	10.3	10.0	0.008946
21:00	12.2	12.1	14.5	27.3	65.4	55.3	10.6	10.5	0.009108
22:00	12.4	12.0	14.2	27.1	72.1	59.4	10.8	10.4	0.009242
23:00	12.4	12.1	14.0	26.8	74.9	61.3	10.8	10.5	0.009206
Avg	14.2	14.0	17.2	26.8	62.9	60.5	12.2	12.0	0.010686
Max	18.6	18.1	19.4	27.7	90.4	90.0	15.9	15.4	0.013849
Hr. of Max	00	07	00	19	06	06	00	07	00
Min	9.4	9.4	14.0	25.9	31.8	32.9	8.6	8.6	0.007636
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/11/2016

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	0.013071	21.5	20.3	.00	29.19	988.5	-2.7	.00	265.2
01:00	0.012835	20.5	20.0	.00	29.20	988.7	-1.9	.00	259.3
02:00	0.013219	20.8	20.6	.00	29.19	988.6	-2.1	.00	241.5
03:00	0.013256	21.0	20.6	.00	29.19	988.5	-2.4	.00	217.8
04:00	0.013194	21.1	20.5	.00	29.19	988.4	-1.6	.00	232.6
05:00	0.013296	21.0	20.7	.00	29.19	988.5	-2.8	.00	246.4
06:00	0.013357	20.9	20.8	.00	29.20	988.8	-2.8	.00	247.9
07:00	0.013382	21.1	20.8	.00	29.22	989.4	7.2	.01	283.7
08:00	0.012784	20.6	19.9	.00	29.24	990.1	122.1	.17	52.8
09:00	0.010339	16.8	16.2	.00	29.25	990.5	281.0	.40	67.1
10:00	0.010179	16.6	16.0	.00	29.26	990.8	625.8	.90	77.1
11:00	0.009969	15.9	15.6	.00	29.26	990.8	746.6	1.07	17.1
12:00	0.009505	15.1	14.9	.00	29.24	990.4	653.2	.94	72.3
13:00	0.008831	14.0	13.9	.00	29.23	990.0	873.6	1.25	97.9
14:00	0.008359	13.1	13.1	.00	29.21	989.3	743.3	1.07	46.1
15:00	0.008497	13.3	13.3	.00	29.20	988.8	509.6	.73	53.7
16:00	0.008199	12.9	12.9	.00	29.18	988.3	630.1	.90	55.4
17:00	0.007892	12.4	12.4	.00	29.17	987.8	369.3	.53	45.8
18:00	0.007633	12.0	12.0	.00	29.17	987.9	196.3	.28	53.9
19:00	0.00791	13.0	12.4	.00	29.18	988.2	24.9	.04	37.7
20:00	0.008718	14.0	13.7	.00	29.18	988.3	-2.7	.00	55.1
21:00	0.009082	14.3	14.2	.00	29.19	988.5	-3.4	.00	43.0
22:00	0.009036	14.5	14.2	.00	29.20	989.0	-2.3	.00	39.9
23:00	0.009084	14.4	14.2	.00	29.22	989.4	-1.8	.00	47.1
Avg	0.010484	16.7	16.4	.00	29.21	989.1	239.9	.35	39.0
Max	0.013382	21.5	20.8	.00	29.26	990.8	873.6	1.25	283.7
Hr. of Max	07	00	07	23	11	11	13	13	07
Min	0.007633	12.0	12.0	.00	29.17	987.8	-3.4	.00	17.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/11/2016

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	290.9	291.3	268.3	281.4	46.4	29.4	21.4	1.3	2.6
01:00	268.2	268.6	263.9	260.4	19.3	13.6	10.5	3.9	6.4
02:00	253.4	258.1	245.1	251.0	22.4	14.6	11.3	2.8	5.2
03:00	240.5	253.6	220.9	247.9	26.6	26.1	24.4	1.5	2.4
04:00	275.8	328.2	230.8	301.5	45.9	47.0	59.5	.6	.8
05:00	320.9	15.8	236.3	294.0	65.2	52.5	47.2	.5	.4
06:00	227.9	329.3	250.2	287.7	25.6	36.0	43.9	1.1	1.1
07:00	13.3	21.9	273.7	348.3	42.9	26.9	39.2	.5	.6
08:00	46.8	57.1	53.2	43.0	60.2	22.6	16.2	1.0	2.4
09:00	63.7	61.5	71.0	50.0	26.5	19.8	14.4	3.9	6.1
10:00	67.0	60.5	77.4	49.3	30.1	24.3	19.2	4.9	6.1
11:00	23.4	26.0	16.2	13.2	45.6	30.5	27.2	2.3	4.0
12:00	68.4	56.8	72.7	41.9	58.6	46.5	36.3	2.2	3.1
13:00	88.0	78.3	106.3	66.2	49.9	39.4	34.9	2.9	3.3
14:00	46.2	38.9	52.0	26.3	60.1	47.6	40.9	2.0	3.0
15:00	43.6	41.4	53.9 +	29.0	36.4	25.4	20.9	3.7	5.5
16:00	52.1	50.1	54.6	37.4	46.5	33.8	27.6	3.1	4.8
17:00	45.8	46.4	53.2	32.7	45.3	31.2	24.7	2.8	4.5
18:00	52.6	53.1	53.7	40.3	35.4	21.1	14.7	3.4	5.9
19:00	38.5	46.6	36.1	33.6	27.6	12.0	8.3	1.8	5.1
20:00	58.6	34.7	60.6	19.6	24.7	10.8	9.6	1.3	2.9
21:00	66.6	53.4	47.1	41.2	27.1	7.2	7.5	1.0	2.9
22:00	58.8	62.1	42.5	50.5	26.0	11.5	6.6	1.1	2.1
23:00	49.5	59.7	49.4	48.1	21.8	11.0	7.4	1.0	2.5
Avg	34.0	31.0	44.0	12.0	38.2	26.7	23.9	.0	.0
Max	320.9	329.3	273.7	348.3	65.2	52.5	59.5	4.9	6.4
Hr. of Max	05	06	07	07	05	05	04	10	01
Min	13.3	15.8	16.2	13.2	19.3	7.2	6.6	.5	.4
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)

9/11/2016

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	3.8	1.7	3.0	4.5	2.0	4.7	1.1	.4	-.02
01:00	8.6	4.4	7.2	9.6	4.8	9.8	-2.3	-1.6	-.30
02:00	6.6	3.0	5.4	6.9	3.7	7.2	.1	-.5	-.15
03:00	3.0	1.7	2.6	3.3	2.1	3.5	2.5	1.8	.06
04:00	1.2	1.0	1.2	1.5	1.3	1.9	4.2	-1.2	.11
05:00	.7	.7	.7	.9	1.1	1.2	2.9	-.5	.05
06:00	.4	1.2	1.2	.8	1.6	1.1	.3	.4	-.01
07:00	1.9	.7	1.1	2.1	1.0	2.4	-2.3	.5	-.05
08:00	3.4	1.8	2.6	3.5	2.0	3.8	2.1	.3	.01
09:00	7.6	4.3	6.4	7.8	4.9	8.2	.3	1.2	-.12
10:00	7.3	5.4	6.6	7.7	6.1	8.3	.9	5.1	-.01
11:00	4.9	4.1	5.4	6.1	4.8	6.7	-2.4	-2.2	-.36
12:00	3.5	3.8	4.4	4.6	4.4	5.3	-1.1	-6.2	-.20
13:00	3.9	4.1	4.6	5.2	4.7	5.9	2.4	-.6	.07
14:00	3.7	4.2	5.0	5.6	4.7	6.2	2.7	4.0	.10
15:00	6.7	4.9	6.5	7.5	5.4	8.1	-.8	1.7	-.25
16:00	6.2	4.3	5.9	7.0	5.0	7.7	1.1	4.2	-.08
17:00	5.5	3.5	5.1	6.0	4.2	6.6	-.7	.5	-.27
18:00	7.6	3.9	6.3	7.8	4.4	8.2	-2.0	2.0	-.36
19:00	6.9	2.0	5.4	7.1	2.4	7.4	-2.9	.4	-.26
20:00	4.2	1.4	3.2	4.3	1.5	4.5	2.9	4.3	.07
21:00	4.8	1.1	3.0	4.9	1.3	5.1	2.6	.5	.05
22:00	4.5	1.2	2.2	4.5	1.4	4.7	2.7	-.9	.06
23:00	5.1	1.1	2.6	5.2	1.3	5.4	1.2	-1.0	.01
Avg	.0	2.7	4.1	5.2	3.2	5.6	.6	.5	-.08
Max	8.6	5.4	7.2	9.6	6.1	9.8	4.2	5.1	.11
Hr. of Max	01	10	01	01	10	01	04	10	04
Min	.4	.7	.7	.8	1.0	1.1	-2.9	-6.2	-.36
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/11/2016

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	5.7	7.8	10.5	19.2	10.2	22.6	22.7
01:00	-.30	11.9	13.1	14.9	13.0	6.0	22.9	22.7
02:00	-.11	9.8	13.7	17.6	15.0	7.0	22.5	22.1
03:00	.07	3.4	6.0	7.1	15.1	11.1	22.3	21.9
04:00	-.04	5.5	5.0	6.6	16.7	23.7	22.2	21.7
05:00	-.02	3.9	3.7	5.3	15.3	17.5	21.8	21.6
06:00	-.03	7.3	6.9	5.0	8.8	16.8	21.5	21.4
07:00	.06	3.4	2.7	4.1	12.9	8.6	21.7	21.6
08:00	.01	7.1	8.9	9.8	20.0	13.8	22.5	22.0
09:00	.06	12.1	14.9	14.7	20.4	12.0	22.9	22.1
10:00	.56	12.8	21.1	17.6	18.9	16.8	24.0	23.0
11:00	-.30	15.3	20.6	19.2	22.3	20.6	25.4	24.3
12:00	-.65	11.0	13.3	11.9	23.9	26.9	26.1	25.2
13:00	.11	12.6	15.6	12.6	25.2	24.7	27.1	26.0
14:00	.42	15.6	17.2	16.9	25.1	21.8	28.0	26.9
15:00	.09	16.0	16.3	14.9	21.5	16.1	28.1	27.1
16:00	.53	13.3	15.1	13.7	23.4	17.1	28.3	27.1
17:00	-.03	12.6	14.2	15.1	24.6	18.3	28.4	27.3
18:00	.13	12.1	17.6	19.5	21.1	12.2	27.9	27.1
19:00	.00	6.9	13.7	20.4	18.0	6.6	26.2	26.4
20:00	.33	3.2	8.9	16.0	12.3	6.9	24.1	24.7
21:00	.03	3.2	5.3	7.3	8.7	4.0	22.3	23.2
22:00	-.09	2.3	4.8	8.5	7.6	3.9	21.1	21.9
23:00	-.12	2.7	5.5	11.0	11.2	5.6	20.8	21.0
Avg	.03	8.7	11.3	12.5	17.5	13.7	24.2	23.8
Max	.56	16.0	21.1	20.4	25.2	26.9	28.4	27.3
Hr. of Max	10	15	10	19	13	12	17	17
Min	-.65	2.3	2.7	4.1	7.6	3.9	20.8	21.0
Count	24	24	24	24	24	24	24	24
Total								