Date Printed: 10/21/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/20/2016

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	18.0	19.7	20.1	21.8	1.69	2.18	3.88	.49	2.18
01:00	17.9	19.4	19.7	21.2	1.51	1.78	3.27	.27	1.76
02:00	17.3	18.8	19.1	20.7	1.48	1.77	3.33	.29	1.85
03:00	17.2	18.4	18.7	20.2	1.20	1.50	3.00	.30	1.81
04:00	16.7	18.2	18.5	19.6	1.48	1.86	2.94	.39	1.47
05:00	16.7	17.8	18.2	18.9	1.09	1.49	2.19	.40	1.09
06:00	16.5	17.6	17.9	18.6	1.09	1.38	2.13	.29	1.04
07:00	16.7	17.7	18.0	18.7	1.02	1.30	2.02	.28	1.01
08:00	17.3	18.0	18.2	19.2	.72	.92	1.87	.19	1.14
09:00	20.0	19.8	19.8	20.3	-.22	-.27	.27	-.05	.49
10:00	22.3	21.8	21.6	21.6	-.48	-.73	-.75	-.26	-.27
11:00	25.1	24.2	23.9	23.8	-.90	-1.21	-1.32	-.30	-.41
12:00	27.9	26.7	26.4	26.3	-1.19	-1.54	-1.66	-.35	-.47
13:00	29.1	28.1	27.8	27.7	-1.00	-1.31	-1.41	-.32	-.41
14:00	30.3	29.3	28.9	28.7	-.99	-1.36	-1.53	-.37	-.54
15:00	30.7	29.7	29.3	29.2	-1.04	-1.41	-1.57	-.37	-.53
16:00	30.3	29.7	29.3	29.2	-.63	-.96	-1.09	-.33	-.46
17:00	27.6	27.4	27.2	27.1	-.21	-.44	-.52	-.23	-.31
18:00	25.6	25.4	25.3	25.2	-.12	-.31	-.39	-.19	-.26
19:00	21.4	21.8	21.9	22.2	.38	.51	.74	.14	.36
20:00	19.1	19.4	19.8	20.0	.30	.65	.84	.35	.54
21:00	18.9	19.1	19.3	19.6	.15	.35	.69	.20	.55
22:00	18.5	18.9	19.4	19.7	.37	.91	1.22	.55	.85
23:00	18.2	18.5	18.9	19.2	.24	.63	1.01	.39	.77
Avg	21.6	21.9	22.0	22.4	.25	.32	.80	.07	.55
Max	30.7	29.7	29.3	29.2	1.69	2.18	3.88	.55	2.18
Hr. of Max	15	16	16	16	00	00	00	22	00
Min	16.5	17.6	17.9	18.6	-1.19	-1.54	-1.66	-.37	-.54
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/20/2016

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	14.6	15.2	15.7	22.4	82.3	77.1	12.4	12.9	0.010705
01:00	14.8	15.3	15.8	22.3	83.4	78.5	12.6	12.9	0.010831
02:00	14.7	15.2	15.6	22.1	85.9	81.2	12.5	12.9	0.010758
03:00	14.7	15.2	15.6	21.9	86.7	82.8	12.5	12.8	0.010788
04:00	14.4	15.2	15.2	21.8	88.2	84.2	12.3	12.8	0.010583
05:00	14.6	15.1	15.3	21.7	89.0	86.1	12.4	12.9	0.010683
06:00	14.5	15.4	15.2	21.5	89.4	88.3	12.4	13.0	0.010609
07:00	14.7	15.3	15.4	21.4	89.6	87.2	12.6	13.0	0.010777
08:00	15.0	15.3	15.8	21.3	88.2	85.8	12.8	13.0	0.011003
09:00	15.7	15.3	17.2	21.2	78.0	76.9	13.3	12.9	0.011518
10:00	15.3	15.0	17.7	21.2	66.1	66.7	12.9	12.6	0.011257
11:00	15.2	14.9	18.5	21.3	55.5	57.4	12.6	12.4	0.011182
12:00	15.0	14.8	19.3	21.4	46.6	49.1	12.4	12.3	0.011089
13:00	14.2	14.2	19.2	21.7	41.4	43.7	11.8	11.8	0.010564
14:00	13.2	13.1	18.9	22.0	36.4	38.3	11.0	11.0	0.009944
15:00	11.7	11.6	18.0	22.4	32.0	33.7	10.0	9.9	0.008995
16:00	11.2	11.2	17.6	22.7	31.8	32.8	9.7	9.7	0.008744
17:00	13.7	13.7	18.3	22.9	44.1	44.7	11.5	11.5	0.010268
18:00	14.7	14.7	18.3	23.0	52.1	52.6	12.2	12.2	0.01085
19:00	15.7	15.1	17.6	23.1	72.4	67.8	13.2	12.7	0.01156
20:00	17.5	17.0	18.0	23.0	92.0	87.6	14.8	14.4	0.012938
21:00	17.4	17.1	17.9	22.9	92.7	90.0	14.8	14.5	0.012873
22:00	17.1	16.8	17.5	22.8	93.3	89.6	14.5	14.2	0.012627
23:00	16.9	16.9	17.3	22.7	93.9	92.7	14.4	14.4	0.012496
Avg	14.9	14.9	17.1	22.1	71.3	69.8	12.6	12.6	0.010985
Max	17.5	17.1	19.3	23.1	93.9	92.7	14.8	14.5	0.012938
Hr. of Max	20	21	12	19	23	23	21	21	20
Min	11.2	11.2	15.2	21.2	31.8	32.8	9.7	9.7	0.008744
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)

10/20/2016

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	0.01116	16.7	17.4	.00	29.11	986.0	-2.5	.00	89.9
01:00	0.011207	16.9	17.4	.00	29.11	985.7	-2.3	.00	70.3
02:00	0.011161	16.8	17.4	.00	29.10	985.6	-2.3	.00	78.5
03:00	0.011105	16.8	17.3	.00	29.10	985.6	-2.5	.00	78.6
04:00	0.011093	16.5	17.3	.00	29.11	985.8	-2.6	.00	80.9
05:00	0.011082	16.7	17.3	.00	29.12	986.1	-2.5	.00	90.1
06:00	0.011234	16.5	17.5	.00	29.13	986.4	-2.4	.00	81.0
07:00	0.011181	16.8	17.4	.00	29.12	986.2	-.8	.00	79.8
08:00	0.0112	17.1	17.4	.00	29.13	986.3	51.2	.07	107.5
09:00	0.011196	17.9	17.4	.00	29.12	986.3	187.6	.27	114.4
10:00	0.011037	17.5	17.2	.00	29.12	986.2	263.6	.38	195.1
11:00	0.010964	17.4	17.1	.00	29.10	985.6	504.7	.72	219.1
12:00	0.010902	17.2	17.0	.00	29.08	984.9	666.6	.96	236.5
13:00	0.010524	16.4	16.4	.00	29.05	983.9	449.9	.64	235.1
14:00	0.009868	15.5	15.3	.00	29.02	982.7	534.0	.77	236.1
15:00	0.008936	14.0	13.9	.00	28.99	981.7	554.8	.80	217.1
16:00	0.008691	13.6	13.5	.00	28.97	981.1	297.0	.43	227.3
17:00	0.010277	15.9	15.9	.00	28.97	981.1	46.8	.07	264.9
18:00	0.010858	16.8	16.8	.00	28.99	981.8	3.4	.00	267.6
19:00	0.011125	17.9	17.3	.00	29.00	982.1	-1.5	.00	253.3
20:00	0.012544	20.0	19.4	.01	28.98	981.5	-2.4	.00	114.1
21:00	0.012615	19.9	19.5	.00	28.98	981.3	-2.2	.00	237.8
22:00	0.012405	19.5	19.2	.00	28.97	981.0	-2.5	.00	305.1
23:00	0.012522	19.3	19.4	.01	28.96	980.7	-2.2	.00	222.8
Avg	0.011037	17.1	17.2	.00	29.06	984.0	147.1	.21	174.0
Max	0.012615	20.0	19.5	.01	29.13	986.4	666.6	.96	305.1
Hr. of Max	21	20	21	23	08	06	12	12	22
Min	0.008691	13.6	13.5	.00	28.96	980.7	-2.6	.00	70.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/20/2016

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	90.9	4.4	73.0	343.8	37.0	44.5	47.3	.0	.8
01:00	63.6	59.6	56.8	51.0	16.8	9.1	12.2	.9	1.9
02:00	64.8	39.2	60.3	27.4	12.7	7.3	11.5	.7	1.8
03:00	62.3	41.0	64.0	29.5	10.9	7.8	12.4	.6	1.8
04:00	72.5	67.6	46.6	58.5	13.6	11.2	10.6	.1	1.1
05:00	41.2	60.3	321.1	51.5	27.0	6.7	10.5	.3	.7
06:00	45.1	50.5	282.6	40.4	36.5	12.7	14.8	.1	.1
07:00	58.3	48.8	53.2	38.5	9.9	10.7	7.3	.3	1.3
08:00	72.9	38.1	280.5	28.3	31.1	10.8	9.2	.0	.6
09:00	101.0	164.8	140.6	160.3	23.6	44.2	23.8	.5	.3
10:00	223.0	228.4	206.8	223.8	25.9	16.1	14.2	2.1	2.6
11:00	230.6	228.2	222.6	223.7	27.0	19.8	17.2	4.0	5.0
12:00	243.5	236.5	236.7	232.0	31.3	22.3	16.6	5.6	7.3
13:00	246.9	246.4	236.9	241.4	42.1	26.0	22.1	5.0	6.6
14:00	238.8	237.2	236.0	232.3	29.3	21.6	17.0	6.9	9.2
15:00	225.2	222.4	218.1	217.7	28.8	22.8	18.9	7.3	9.5
16:00	232.3	228.5	228.1	224.1	23.9	17.0	13.0	7.8	10.9
17:00	272.7	273.7	263.3	267.1	25.1	19.4	15.1	5.7	7.7
18:00	279.9	283.9	267.0	277.1	24.6	18.5	16.1	4.5	6.4
19:00	261.4	261.7	253.8	256.7	41.5	17.4	11.8	3.6	6.2
20:00	250.9	283.7	196.1	277.2	32.9	46.7	27.2	.0	.4
21:00	223.0	194.5	253.3	189.8	40.1	15.4	10.4	.9	2.1
22:00	261.8	234.7	271.2	229.7	65.6	22.7	12.3	.7	1.2
23:00	256.2	257.1	254.5	252.0	55.6	27.2	16.4	1.0	2.2
Avg	243.0	263.0	248.0	263.0	29.7	19.9	16.2	.0	.0
Max	279.9	283.9	321.1	343.8	65.6	46.7	47.3	7.8	10.9
Hr. of Max	18	18	05	00	22	20	00	16	16
Min	41.2	4.4	46.6	27.4	9.9	6.7	7.3	.0	.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)

10/20/2016

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	.9	.5	.9	1.0	.9	1.3	3.3	.2	.05
01:00	2.0	1.0	1.9	2.0	1.2	2.3	1.0	1.6	.01
02:00	1.8	.8	1.8	1.8	1.1	2.0	2.1	.9	.02
03:00	2.1	.6	1.8	2.2	1.0	2.4	.4	1.8	.00
04:00	2.3	.1	1.1	2.3	.4	2.5	1.4	.2	.02
05:00	1.1	.9	.7	1.2	1.2	1.5	2.2	-.4	.03
06:00	1.2	.2	.1	1.2	.7	1.4	1.5	-.4	.02
07:00	2.4	.3	1.4	2.4	.7	2.6	2.7	.0	.04
08:00	1.3	.1	.6	1.3	.5	1.6	1.8	1.0	.02
09:00	.4	.6	1.0	1.2	1.1	1.5	-7.1	-1.8	-.07
10:00	3.3	2.2	2.7	3.4	2.7	3.7	2.4	-1.6	.03
11:00	5.8	4.5	5.3	6.1	5.1	6.6	-.5	-2.3	-.18
12:00	8.2	6.4	7.9	8.5	7.1	9.2	-1.8	-2.9	-.44
13:00	7.8	5.8	7.3	8.4	6.4	9.0	.0	-1.0	-.22
14:00	10.8	7.7	10.0	11.5	8.3	12.3	1.8	.5	-.09
15:00	10.9	8.3	10.4	11.7	9.1	12.5	-.5	-.5	-.33
16:00	13.1	8.3	11.3	13.4	9.0	14.2	.7	-.5	-.26
17:00	9.4	6.6	8.8	10.8	7.1	11.2	-2.0	-3.1	-.46
18:00	7.9	4.9	6.7	8.2	5.3	8.5	-3.8	-2.6	-.48
19:00	8.3	4.1	6.4	8.5	4.5	8.8	.7	.5	-.09
20:00	1.6	1.3	1.7	2.7	1.7	2.9	2.0	1.1	.03
21:00	3.5	1.1	2.2	3.6	1.6	3.8	-.9	-.5	-.04
22:00	2.4	1.1	1.3	2.5	1.5	2.7	-.3	.8	-.03
23:00	3.3	1.4	2.5	3.4	1.9	3.6	-1.7	.8	-.05
Avg	.0	2.9	4.0	5.0	3.3	5.3	.2	-.3	-.10
Max	13.1	8.3	11.3	13.4	9.1	14.2	3.3	1.8	.05
Hr. of Max	16	16	16	16	15	16	00	03	00
Min	.4	.1	.1	1.0	.4	1.3	-7.1	-3.1	-.48
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/20/2016

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	2.7	3.4	3.2	11.2	18.5	20.6	22.7
01:00	.06	2.3	4.4	4.1	9.0	9.5	20.5	22.1
02:00	.04	3.0	3.2	6.0	8.0	7.8	19.9	21.5
03:00	.08	2.5	3.9	3.9	8.9	8.2	19.5	21.1
04:00	.02	2.3	3.7	5.7	6.6	3.5	19.2	20.5
05:00	.00	3.0	2.3	3.9	6.1	5.4	18.8	19.7
06:00	-.01	3.0	1.1	2.3	7.1	5.1	18.6	19.5
07:00	.00	1.8	2.5	4.4	8.3	3.7	18.8	19.6
08:00	.03	1.6	3.0	3.9	8.6	11.8	19.1	20.0
09:00	-.03	3.0	3.0	3.4	25.3	14.9	20.9	21.0
10:00	-.16	5.7	6.2	6.9	19.2	12.7	22.8	22.1
11:00	-.41	11.0	11.4	11.7	17.3	14.9	25.0	24.2
12:00	-.71	16.5	16.0	17.2	16.8	15.4	27.4	26.4
13:00	-.40	14.4	23.1	20.6	19.3	15.8	28.7	27.8
14:00	-.08	21.3	22.7	22.2	17.8	11.7	29.7	28.7
15:00	-.39	18.1	31.8	33.2	15.9	13.1	30.0	29.1
16:00	-.31	18.5	26.1	31.4	16.2	9.3	30.0	29.1
17:00	-.82	20.8	27.7	27.9	15.4	11.0	28.1	27.4
18:00	-.62	13.3	17.9	20.6	16.8	11.5	26.3	25.7
19:00	-.07	21.3	23.4	24.5	14.0	8.8	22.9	22.9
20:00	.00	4.4	6.9	6.6	12.8	11.3	20.7	20.8
21:00	-.05	5.3	8.7	11.2	8.6	5.1	20.4	20.5
22:00	.01	3.0	4.8	8.2	8.7	5.5	20.1	20.6
23:00	.03	4.6	5.5	5.7	9.0	4.1	19.7	20.1
Avg	-.16	8.5	10.9	12.0	12.8	9.9	22.8	23.0
Max	.08	21.3	31.8	33.2	25.3	18.5	30.0	29.1
Hr. of Max	03	19	15	15	09	00	16	16
Min	-.82	1.6	1.1	2.3	6.1	3.5	18.6	19.5
Count	24	24	24	24	24	24	24	24
Total								