Date Printed: 12/06/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

12/5/2016

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	7.9	8.0	7.9	7.9	.03	-.04	-.08	-.07	-.11
01:00	8.1	8.1	8.0	8.0	.04	-.05	-.10	-.09	-.13
02:00	8.1	8.1	8.0	8.0	.03	-.07	-.09	-.10	-.12
03:00	8.0	8.1	8.0	8.0	.07	.00	-.03	-.07	-.11
04:00	7.9	8.1	8.1	8.0	.13	.12	.11	-.02	-.03
05:00	7.9	8.0	8.0	8.0	.08	.06	.03	-.03	-.06
06:00	8.0	8.1	8.0	8.0	.12	.03	-.05	-.09	-.17
07:00	8.1	8.2	8.1	8.0	.04	-.02	-.08	-.06	-.12
08:00	8.4	8.3	8.2	8.1	-.07	-.23	-.29	-.16	-.22
09:00	9.1	9.0	8.8	8.6	-.15	-.35	-.51	-.20	-.36
10:00	9.9	9.8	9.5	9.4	-.19	-.41	-.54	-.23	-.35
11:00	9.9	9.7	9.5	9.4	-.18	-.42	-.55	-.23	-.36
12:00	10.4	10.1	9.8	9.7	-.29	-.57	-.73	-.28	-.43
13:00	10.4	10.2	10.0	9.9	-.19	-.42	-.55	-.23	-.35
14:00	10.5	10.3	10.1	10.0	-.12	-.32	-.43	-.20	-.31
15:00	10.6	10.5	10.3	10.2	-.09	-.27	-.37	-.17	-.27
16:00	10.4	10.5	10.4	10.4	.09	.00	-.07	-.09	-.16
17:00	9.9	10.1	10.1	10.0	.22	.16	.12	-.06	-.10
18:00	9.6	9.8	9.8	9.8	.19	.17	.17	-.02	-.02
19:00	9.4	9.7	9.7	9.7	.33	.32	.30	-.01	-.04
20:00	9.2	9.4	9.4	9.4	.20	.18	.16	-.02	-.04
21:00	9.7	9.9	9.9	9.9	.21	.20	.21	-.01	-.01
22:00	9.7	10.0	10.0	10.0	.34	.31	.31	-.03	-.03
23:00	9.5	9.8	9.8	9.8	.31	.27	.25	-.04	-.06
Avg	9.2	9.2	9.1	9.1	.05	-.06	-.12	-.10	-.17
Max	10.6	10.5	10.4	10.4	.34	.32	.31	-.01	-.01
Hr. of Max	15	16	16	16	22	19	22	21	21
Min	7.9	8.0	7.9	7.9	-.29	-.57	-.73	-.28	-.43
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/5/2016

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	7.4	7.6	7.6	8.6	97.1	98.7	7.9	8.1	0.006556
01:00	7.5	7.7	7.7	8.6	97.2	98.7	8.0	8.1	0.006612
02:00	7.5	7.7	7.7	8.7	97.2	98.7	8.0	8.1	0.006617
03:00	7.5	7.7	7.6	8.8	97.2	98.7	8.0	8.1	0.006598
04:00	7.4	7.7	7.5	8.8	97.1	98.8	7.9	8.1	0.006555
05:00	7.3	7.7	7.5	8.9	97.1	98.8	7.9	8.1	0.006551
06:00	7.4	7.8	7.6	8.9	97.1	98.8	8.0	8.2	0.006587
07:00	7.5	7.8	7.7	9.0	97.2	98.9	8.0	8.2	0.006635
08:00	7.8	8.0	8.0	9.0	97.2	98.9	8.2	8.3	0.006768
09:00	8.6	8.6	8.8	9.1	97.4	98.2	8.6	8.6	0.007125
10:00	8.6	8.2	9.0	9.2	92.3	91.1	8.6	8.3	0.007129
11:00	8.1	7.8	8.7	9.3	89.8	89.0	8.3	8.1	0.006921
12:00	7.9	7.5	8.7	9.5	85.4	84.8	8.1	7.9	0.006803
13:00	7.5	7.1	8.4	9.7	82.8	82.1	7.9	7.7	0.006612
14:00	7.7	7.4	8.6	9.8	83.9	83.2	8.0	7.9	0.006722
15:00	7.9	7.6	8.8	10.0	84.1	82.9	8.1	8.0	0.006814
16:00	8.0	7.7	8.8	10.1	85.8	83.5	8.2	8.0	0.006866
17:00	8.3	8.0	8.8	10.1	90.7	87.6	8.4	8.2	0.00702
18:00	8.4	8.3	8.8	10.2	93.4	91.5	8.5	8.4	0.00707
19:00	8.8	8.5	9.0	10.2	96.9	93.4	8.7	8.5	0.007238
20:00	8.7	8.7	8.9	10.2	97.4	96.0	8.6	8.6	0.007208
21:00	8.5	8.2	8.9	10.2	93.4	90.1	8.5	8.3	0.007123
22:00	8.0	7.6	8.5	10.2	90.2	86.1	8.2	8.0	0.006878
23:00	8.1	7.8	8.6	10.2	92.0	88.1	8.3	8.1	0.006966
Avg	7.9	7.9	8.3	9.5	92.9	92.4	8.2	8.2	0.006832
Max	8.8	8.7	9.0	10.2	97.4	98.9	8.7	8.6	0.007238
Hr. of Max	19	20	19	23	20	08	19	20	19
Min	7.3	7.1	7.5	8.6	82.8	82.1	7.9	7.7	0.006551
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/5/2016

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	0.006677	10.3	10.5	.00	29.11	985.9	-3.1	.00	234.8
01:00	0.006736	10.4	10.6	.01	29.10	985.5	-2.5	.00	231.0
02:00	0.00673	10.4	10.6	.00	29.11	985.7	-1.8	.00	226.5
03:00	0.006735	10.3	10.6	.00	29.10	985.6	-2.6	.00	175.7
04:00	0.006728	10.3	10.5	.00	29.11	985.7	-2.2	.00	192.1
05:00	0.006706	10.3	10.5	.00	29.10	985.5	-1.9	.00	185.8
06:00	0.006758	10.3	10.6	.00	29.11	985.7	-3.0	.00	194.1
07:00	0.006771	10.4	10.6	.00	29.11	985.9	.4	.00	65.4
08:00	0.006858	10.6	10.8	.00	29.11	986.0	26.2	.04	64.2
09:00	0.007117	11.2	11.2	.00	29.13	986.3	99.8	.14	61.6
10:00	0.006944	11.2	10.9	.00	29.14	986.7	153.1	.22	65.9
11:00	0.006775	10.9	10.6	.00	29.12	986.2	117.6	.17	61.8
12:00	0.006619	10.7	10.4	.00	29.10	985.3	188.4	.27	62.8
13:00	0.006465	10.4	10.1	.00	29.08	984.9	101.0	.14	59.6
14:00	0.006612	10.5	10.4	.00	29.06	984.1	70.4	.10	61.3
15:00	0.006673	10.7	10.4	.00	29.04	983.5	57.8	.08	57.3
16:00	0.006721	10.7	10.5	.00	29.04	983.3	20.0	.03	54.0
17:00	0.006873	11.0	10.7	.01	29.01	982.5	.9	.00	61.5
18:00	0.007014	11.0	11.0	.00	29.01	982.5	-2.5	.00	51.0
19:00	0.007136	11.3	11.1	.01	29.02	982.7	-2.1	.00	78.6
20:00	0.007202	11.2	11.2	.00	28.98	981.5	-2.5	.00	58.8
21:00	0.006971	11.1	10.9	.00	28.96	980.7	-3.7	-.01	61.4
22:00	0.006717	10.7	10.5	.00	28.94	980.0	-2.1	.00	58.8
23:00	0.006806	10.8	10.6	.00	28.91	979.0	-1.4	.00	69.0
Avg	0.006806	10.7	10.7	.00	29.06	984.2	33.5	.05	80.0
Max	0.007202	11.3	11.2	.01	29.14	986.7	188.4	.27	234.8
Hr. of Max	20	19	20	19	10	10	12	12	00
Min	0.006465	10.3	10.1	.00	28.91	979.0	-3.7	-.01	51.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/5/2016

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	247.0	246.9	237.0	242.2	20.1	13.1	10.9	3.4	5.2
01:00	244.5	245.8	235.1	241.3	24.8	15.8	11.6	2.6	4.3
02:00	234.7	230.5	230.8	226.4	18.4	10.0	6.5	2.8	4.7
03:00	233.1	231.9	227.3	227.2	36.9	14.6	10.6	.5	1.8
04:00	243.3	250.2	224.0	245.4	27.1	10.2	8.1	.8	2.1
05:00	209.4	206.7	225.6	202.3	33.6	10.4	7.7	.7	1.9
06:00	230.8	188.9	271.8	182.0	61.6	40.6	22.6	.5	1.0
07:00	64.7	70.6	47.9	61.3	23.6	19.4	14.2	.8	1.9
08:00	52.7	58.6	51.9	49.2	20.6	18.4	14.2	1.8	3.9
09:00	56.2	57.9	52.5	48.3	28.0	18.1	14.1	2.4	4.9
10:00	62.0	60.1	59.5	51.1	26.7	22.6	14.5	3.8	6.1
11:00	57.9	56.7	56.1	47.2	28.3	16.5	10.4	3.8	7.8
12:00	57.6	56.3	56.7 +	46.9	28.1	19.4	11.7	4.0	7.3
13:00	54.6	52.7	52.5	42.7	26.2	15.6	10.2	3.7	7.0
14:00	55.2	55.0	53.3	45.8	26.5	16.9	12.2	2.7	5.3
15:00	55.0	55.6	49.8	46.2	25.5	13.5	10.0	2.9	6.3
16:00	45.5	46.5	45.8	35.9	24.9	13.2	8.5	2.7	5.8
17:00	57.6	56.1	54.1	46.7	20.2	11.8	8.2	2.9	6.0
18:00	52.5	57.4	41.8	47.8	21.4	13.0	9.3	3.0	5.8
19:00	81.3	74.0	73.0	64.6	14.3	8.8	8.2	2.3	4.3
20:00	58.3	59.1	48.2	49.7	21.1	15.1	10.4	2.5	5.2
21:00	55.5	53.0	55.1	43.2	22.0	13.7	9.1	3.6	7.3
22:00	55.6	54.7	52.9	45.1	20.9	13.6	10.4	3.1	6.4
23:00	67.7	68.3	62.6	59.5	21.3	13.3	9.3	3.0	5.8
Avg	60.0	64.0	52.0	51.0	25.9	15.7	11.0	.0	.0
Max	247.0	250.2	271.8	245.4	61.6	40.6	22.6	4.0	7.8
Hr. of Max	00	04	06	04	06	06	06	12	11
Min	45.5	46.5	41.8	35.9	14.3	8.8	6.5	.5	1.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/5/2016

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	6.9	3.6	5.4	7.0	3.9	7.3	1.6	1.1	-.03
01:00	5.8	2.9	4.6	6.1	3.4	6.4	2.5	.4	.05
02:00	6.6	3.0	4.8	6.6	3.3	6.9	.2	.1	-.04
03:00	2.9	.8	2.0	3.0	1.3	3.2	.6	.0	.00
04:00	3.0	1.0	2.2	3.1	1.6	3.2	2.8	.1	.07
05:00	2.8	.7	2.0	2.9	1.4	3.0	-1.6	-1.4	-.04
06:00	1.8	.6	1.1	1.9	1.2	2.1	-1.5	-2.6	-.03
07:00	2.6	.9	2.1	2.7	1.2	2.9	.0	2.1	-.05
08:00	5.0	2.0	4.0	5.1	2.3	5.3	-1.9	2.9	-.15
09:00	6.3	2.7	5.1	6.5	3.1	6.8	.2	1.4	-.18
10:00	8.4	4.2	6.5	8.6	4.7	9.1	1.1	3.5	-.11
11:00	10.2	4.2	8.1	10.4	4.9	10.8	.6	.1	-.18
12:00	9.5	4.5	7.6	9.7	4.9	10.1	.8	.8	-.19
13:00	8.8	4.1	7.3	8.9	4.5	9.3	-.4	-1.6	-.31
14:00	7.0	2.9	5.5	7.2	3.3	7.6	1.8	1.9	-.09
15:00	7.5	3.2	6.4	7.6	3.4	7.9	.7	.2	-.15
16:00	7.3	2.9	5.9	7.3	3.0	7.6	1.5	-.3	-.11
17:00	8.1	3.0	6.1	8.2	3.4	8.5	-1.0	-.4	-.23
18:00	7.8	3.2	6.0	7.9	3.5	8.2	-4.0	-1.4	-.38
19:00	5.3	2.4	4.4	5.5	2.7	5.8	1.3	.9	.07
20:00	7.1	2.6	5.4	7.3	3.0	7.6	-2.0	1.9	-.25
21:00	10.1	3.8	7.5	10.3	4.2	10.6	-.7	-.4	-.26
22:00	8.7	3.3	6.6	8.9	3.8	9.3	-2.8	-.4	-.34
23:00	7.9	3.3	6.1	8.0	3.8	8.4	-.4	1.5	-.11
Avg	.0	2.7	5.1	6.7	3.2	7.0	.0	.4	-.13
Max	10.2	4.5	8.1	10.4	4.9	10.8	2.8	3.5	.07
Hr. of Max	11	12	11	11	12	11	04	10	19
Min	1.8	.6	1.1	1.9	1.2	2.1	-4.0	-2.6	-.38
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

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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	.06	17.4	18.8	14.7	13.7	8.0	8.6	8.2
01:00	-.02	7.8	9.2	11.2	14.7	8.0	8.7	8.3
02:00	-.01	8.7	13.7	15.6	12.4	4.8	8.7	8.3
03:00	.00	5.3	4.6	8.9	9.8	5.1	8.8	8.4
04:00	.00	3.9	4.8	7.1	8.4	4.5	8.7	8.4
05:00	-.07	2.5	3.7	4.8	8.0	4.4	8.7	8.3
06:00	-.09	3.4	3.7	5.0	10.6	11.2	8.8	8.3
07:00	.07	3.2	4.8	6.4	14.8	9.6	8.8	8.4
08:00	.10	7.1	10.3	11.7	21.6	10.8	9.1	8.5
09:00	.00	10.5	14.2	17.4	22.8	12.3	9.7	9.1
10:00	.40	12.6	15.8	18.3	19.9	11.8	10.4	9.7
11:00	-.11	14.4	20.4	20.2	20.9	8.9	10.3	9.5
12:00	-.04	12.1	15.6	23.1	20.8	10.6	10.6	9.8
13:00	-.35	11.2	13.3	17.6	21.1	8.3	10.7	10.0
14:00	.09	9.8	12.8	13.7	24.3	11.6	10.9	10.2
15:00	-.06	9.4	12.4	14.9	21.5	8.5	11.0	10.4
16:00	-.10	8.9	12.1	13.1	21.3	7.5	11.0	10.5
17:00	-.12	7.3	11.9	13.1	18.0	6.8	10.7	10.2
18:00	-.26	10.8	14.7	18.1	18.6	7.2	10.3	10.0
19:00	.07	6.2	9.2	11.7	12.9	6.4	10.3	9.9
20:00	.12	7.6	11.7	17.2	18.6	8.1	10.0	9.6
21:00	-.16	10.5	14.9	16.5	17.5	6.8	10.4	10.1
22:00	-.13	9.8	20.6	16.7	16.6	7.2	10.5	10.2
23:00	.16	9.8	14.0	14.2	17.0	7.8	10.4	10.0
Avg	-.02	8.8	12.0	13.8	16.9	8.2	9.8	9.3
Max	.40	17.4	20.6	23.1	24.3	12.3	11.0	10.5
Hr. of Max	10	00	22	12	14	09	16	16
Min	-.35	2.5	3.7	4.8	8.0	4.4	8.6	8.2
Count	24	24	24	24	24	24	24	24
Total								