Date Printed: 10/07/2014 06:49

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/6/2014

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	9.5	11.4	12.2	12.9	1.93	2.67	3.47	.75	1.54
01:00	8.8	10.7	11.3	12.4	1.96	2.56	3.63	.60	1.67
02:00	7.9	9.8	10.2	11.6	1.91	2.34	3.70	.43	1.80
03:00	7.2	8.8	9.7	12.0	1.68	2.54	4.85	.86	3.17
04:00	6.8	8.6	9.2	10.9	1.73	2.37	4.07	.64	2.34
05:00	6.5	8.0	8.6	10.2	1.48	2.13	3.74	.65	2.26
06:00	6.2	7.8	8.3	10.1	1.56	2.14	3.94	.58	2.38
07:00	6.2	7.7	8.4	10.2	1.50	2.20	3.98	.70	2.48
08:00	7.9	8.1	8.9	10.6	.26	1.00	2.75	.73	2.48
09:00	12.3	12.0	12.1	12.7	-.35	-.20	.36	.15	.71
10:00	15.8	15.3	15.1	15.0	-.44	-.71	-.79	-.26	-.34
11:00	13.8	13.9	13.8	13.9	.09	.02	.09	-.07	.00
12:00	13.3	13.1	12.9	12.9	-.25	-.43	-.43	-.17	-.18
13:00	14.9	14.8	14.6	14.5	-.19	-.39	-.47	-.21	-.28
14:00	16.4	16.3	16.0	16.0	-.17	-.38	-.42	-.21	-.25
15:00	18.1	17.8	17.5	17.5	-.28	-.51	-.57	-.24	-.29
16:00	18.9	18.7	18.5	18.4	-.22	-.45	-.51	-.23	-.29
17:00	19.6	19.5	19.3	19.3	-.11	-.26	-.26	-.15	-.15
18:00	18.7	18.8	18.8	19.0	.19	.19	.31	.00	.12
19:00	17.7	18.4	18.5	18.7	.63	.76	.96	.13	.33
20:00	17.8	18.1	18.0	18.1	.26	.22	.30	-.04	.03
21:00	17.5	17.6	17.6	17.6	.15	.10	.16	-.06	.01
22:00	15.9	16.2	16.2	16.3	.23	.27	.40	.04	.17
23:00	15.2	15.3	15.3	15.4	.10	.06	.18	-.03	.08
Avg	13.0	13.6	13.8	14.4	.57	.76	1.39	.19	.82
Max	19.6	19.5	19.3	19.3	1.96	2.67	4.85	.86	3.17
Hr. of Max	17	17	17	17	01	00	03	03	03
Min	6.2	7.7	8.3	10.1	-.44	-.71	-.79	-.26	-.34
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/6/2014

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	7.2	6.3	8.0	17.8	86.8	71.8	7.8	7.3	0.006512
01:00	6.9	6.3	7.5	17.7	88.8	75.2	7.6	7.3	0.006349
02:00	6.3	6.6	6.8	17.5	90.8	81.2	7.4	7.5	0.006115
03:00	5.9	6.7	6.3	17.3	92.2	87.1	7.2	7.5	0.005917
04:00	5.6	6.6	6.0	17.2	92.9	88.5	7.1	7.5	0.005819
05:00	5.3	6.6	5.7	17.0	93.2	91.8	6.9	7.5	0.005708
06:00	5.1	6.5	5.5	16.8	93.5	92.5	6.8	7.5	0.005612
07:00	5.1	6.4	5.5	16.6	93.9	92.3	6.8	7.4	0.005624
08:00	6.6	6.4	7.0	16.4	93.0	89.8	7.6	7.4	0.006254
09:00	8.3	7.4	9.7	16.3	77.9	74.5	8.4	7.8	0.007053
10:00	8.8	8.4	11.1	16.4	64.2	64.2	8.5	8.3	0.00729
11:00	9.9	9.9	11.2	16.5	79.5	78.9	9.3	9.2	0.007848
12:00	11.8	11.5	12.3	16.3	92.0	91.4	10.5	10.3	0.008912
13:00	12.8	12.5	13.5	16.3	88.4	87.9	11.2	11.0	0.009519
14:00	13.4	13.1	14.4	16.5	84.0	82.9	11.6	11.3	0.009943
15:00	13.7	13.3	15.2	16.7	77.2	76.4	11.7	11.4	0.010132
16:00	14.2	13.9	15.8	17.0	75.5	74.9	12.1	11.8	0.01047
17:00	14.5	14.3	16.2	17.3	74.1	73.4	12.3	12.1	0.010721
18:00	14.4	14.1	15.8	17.6	77.5	75.5	12.2	12.0	0.010579
19:00	14.5	14.0	15.6	17.7	83.1	77.2	12.4	11.9	0.010688
20:00	13.8	13.6	15.1	17.8	78.6	76.6	11.8	11.7	0.010174
21:00	14.0	14.0	15.2	17.8	81.7	80.6	12.0	11.9	0.01034
22:00	14.2	14.2	14.8	17.0	91.0	89.8	12.2	12.2	0.010432
23:00	14.0	14.2	14.4	16.5	94.1	94.3	12.1	12.2	0.010306
Avg	10.3	10.3	11.2	17.0	85.2	82.0	9.7	9.7	0.008263
Max	14.5	14.3	16.2	17.8	94.1	94.3	12.4	12.2	0.010721
Hr. of Max	19	17	17	21	23	23	19	23	17
Min	5.1	6.3	5.5	16.3	64.2	64.2	6.8	7.3	0.005612
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/6/2014

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	0.006127	10.2	9.6	.00	29.06	984.2	-1.5	.00	26.9
01:00	0.006133	9.9	9.6	.00	29.05	983.9	-.9	.00	28.6
02:00	0.00622	9.6	9.7	.00	29.05	983.8	-2.3	.00	16.1
03:00	0.006265	9.3	9.8	.00	29.04	983.6	-2.2	.00	2.7
04:00	0.00624	9.1	9.8	.00	29.04	983.5	-1.9	.00	48.0
05:00	0.006226	8.9	9.7	.00	29.04	983.4	-2.1	.00	291.6
06:00	0.00618	8.8	9.7	.00	29.04	983.4	-2.3	.00	26.3
07:00	0.006129	8.8	9.6	.00	29.06	984.0	5.7	.01	347.5
08:00	0.006149	9.8	9.6	.00	29.05	983.8	91.4	.13	80.9
09:00	0.006583	11.0	10.3	.00	29.05	983.8	364.2	.52	179.0
10:00	0.00708	11.4	11.1	.00	29.04	983.6	290.4	.42	226.9
11:00	0.007832	12.3	12.2	.32	29.08	984.7	20.0	.03	241.8
12:00	0.008706	13.9	13.6	.01	29.08	984.6	241.0	.35	220.0
13:00	0.009345	14.8	14.6	.00	29.05	983.9	173.7	.25	196.5
14:00	0.009712	15.5	15.1	.00	29.03	983.2	205.7	.29	212.7
15:00	0.00986	15.7	15.3	.00	29.01	982.5	366.7	.53	226.2
16:00	0.010252	16.3	15.9	.00	28.99	981.8	231.5	.33	224.7
17:00	0.010549	16.6	16.4	.00	28.98	981.4	147.7	.21	228.5
18:00	0.010434	16.4	16.2	.00	28.99	981.6	33.0	.05	235.1
19:00	0.010342	16.6	16.1	.00	29.00	982.0	-.8	.00	214.6
20:00	0.010085	15.8	15.7	.00	29.01	982.4	-2.0	.00	206.6
21:00	0.010293	16.1	16.0	.12	29.03	983.0	-2.4	.00	219.9
22:00	0.010448	16.2	16.3	.61	29.08	984.7	-2.2	.00	234.8
23:00	0.01039	16.1	16.2	.07	29.08	984.8	-2.0	.00	231.6
Avg	0.008233	12.9	12.8	.05	29.04	983.4	89.5	.13	238.0
Max	0.010549	16.6	16.4	.61	29.08	984.8	366.7	.53	347.5
Hr. of Max	17	19	17	22	23	23	15	15	07
Min	0.006127	8.8	9.6	.00	28.98	981.4	-2.4	.00	2.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/6/2014

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	34.2	70.9	37.4	57.8	21.4	19.0	39.2	.8	1.2
01:00	58.4	37.6	37.3	33.7	20.5	12.0	11.8	.9	1.6
02:00	65.8	45.5	22.5	41.9	28.3	9.2	14.5	.5	1.4
03:00	48.7	332.5	8.2	328.2	47.8	35.5	15.9	.1	.8
04:00	60.6	36.4	55.2	33.7	52.3	10.3	25.6	.2	1.3
05:00	58.4	43.5	290.8	40.2	34.5	18.0	9.7	.2	.5
06:00	63.3	357.8	37.1	353.6	45.9	26.1	20.1	.2	1.1
07:00	83.1	240.6	338.7	246.9	51.5	33.2	46.6	.3	.5
08:00	39.8	23.1	91.4	27.3	50.5	40.8	36.2	.3	1.3
09:00	239.6	258.8	196.9	260.0	46.8	38.6	18.2	1.3	1.9
10:00	234.7	237.0	238.3	239.1	24.7	21.4	17.4	3.6	4.9
11:00	242.7	238.1	252.6	240.2	25.4	19.8	17.1	4.5	6.8
12:00	222.1	214.3	231.8	216.5	26.6	19.8	15.6	2.2	3.9
13:00	203.2	199.4	208.6	201.6	28.8	23.4	19.6	3.2	4.6
14:00	218.1	215.6	224.3	218.2	23.9	18.8	13.9	4.5	6.9
15:00	230.9	226.2	238.6	228.8	26.1	18.3	14.6	5.3	7.6
16:00	230.3	225.4	236.6	228.1	24.3	17.7	12.4	4.4	6.8
17:00	229.4	224.4	241.2	227.1	23.8	15.2	11.6	5.0	8.0
18:00	234.2	227.5	245.3	230.2	23.5	13.9	9.9	2.9	5.9
19:00	219.7	214.1	225.9	216.6	19.4	12.7	10.2	2.8	5.7
20:00	210.5	207.4	219.4	209.9	23.6	17.3	12.8	4.1	6.9
21:00	221.7	217.0	231.4	219.8	25.6	17.5	13.7	4.5	7.5
22:00	239.1	235.4	246.6	238.0	40.1	32.4	27.6	5.6	9.3
23:00	232.4	222.4	244.6	225.1	25.8	17.0	11.8	2.1	4.2
Avg	213.0	237.0	252.0	244.0	31.7	21.2	18.6	.0	.0
Max	242.7	357.8	338.7	353.6	52.3	40.8	46.6	5.6	9.3
Hr. of Max	11	06	07	06	04	08	07	22	22
Min	34.2	23.1	8.2	27.3	19.4	9.2	9.7	.1	.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/6/2014

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	.8	.9	1.3	1.2	1.3	1.6	2.0	-1.4	.04
01:00	1.5	.9	1.7	1.5	1.3	2.0	2.3	-.1	.04
02:00	1.3	.6	1.4	1.5	1.0	1.9	3.0	-.2	.05
03:00	2.0	.1	.9	2.2	.6	2.5	2.8	1.3	.04
04:00	.6	.2	1.3	.7	.6	1.3	3.1	-1.8	.04
05:00	.7	.3	.5	.8	.8	1.4	2.6	-.4	.03
06:00	1.2	.5	1.1	1.8	.9	2.3	1.3	2.3	.03
07:00	.7	.6	.6	1.0	1.1	1.4	2.6	.8	.03
08:00	.7	.4	1.5	1.1	1.0	1.4	3.7	1.1	.07
09:00	3.3	1.5	2.2	3.7	2.0	4.1	.1	2.0	.00
10:00	5.9	3.9	5.2	6.2	4.6	6.9	.0	1.7	-.18
11:00	9.3	5.2	7.6	10.1	5.7	10.9	-1.1	.3	-.33
12:00	5.4	2.6	4.2	5.6	3.2	6.3	-.4	-.2	-.09
13:00	6.0	3.5	5.0	6.2	4.1	7.0	2.2	.4	.02
14:00	8.9	4.9	7.3	9.2	5.6	10.0	2.9	1.0	.01
15:00	9.0	5.7	7.9	9.3	6.5	10.1	-.1	.3	-.35
16:00	8.9	4.8	7.2	9.1	5.6	9.9	-.4	.5	-.23
17:00	10.6	5.4	8.3	10.8	5.9	11.6	.5	.6	-.22
18:00	8.4	3.1	6.1	8.5	3.8	9.2	-1.9	.7	-.24
19:00	8.0	3.1	6.1	8.4	3.6	8.9	.0	.1	-.08
20:00	9.3	4.4	7.2	9.5	5.0	10.1	1.7	-.8	-.04
21:00	9.9	5.0	7.9	10.3	5.6	11.0	-.2	-1.0	-.23
22:00	12.2	7.6	11.5	14.4	8.2	15.1	-1.2	.4	-.37
23:00	6.2	2.4	4.5	6.4	2.9	6.9	-.9	.9	-.14
Avg	.0	2.8	4.5	5.8	3.4	6.4	1.0	.4	-.09
Max	12.2	7.6	11.5	14.4	8.2	15.1	3.7	2.3	.07
Hr. of Max	22	22	22	22	22	22	08	06	08
Min	.6	.1	.5	.7	.6	1.3	-1.9	-1.8	-.37
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/6/2014

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	82_SPkWsH_015m	83_SPkWsH_060m	84_SigPhi_015m	85_SigPhi_060m
Hour	MPH	MPH	MPH	MPH	MPH	MPH	DEG	DEG
00:00	-.03	3.4	2.7	7.8	3.0	4.0	8.4	12.5
01:00	-.01	3.4	4.1	3.9	2.7	3.3	12.9	11.2
02:00	-.01	2.1	3.4	3.0	2.4	3.4	10.6	7.3
03:00	.07	1.1	3.0	6.0	1.5	6.8	11.2	8.8
04:00	-.04	1.6	2.3	2.7	1.9	3.2	10.3	11.8
05:00	-.01	2.1	2.1	1.8	2.6	2.4	8.1	7.9
06:00	.11	2.1	3.0	4.6	2.5	5.0	9.0	10.6
07:00	.01	2.1	2.3	4.4	2.7	5.7	9.9	11.4
08:00	.02	1.8	3.2	5.7	2.8	6.3	12.7	12.1
09:00	.09	5.3	7.6	7.6	5.9	9.3	21.6	11.8
10:00	.02	11.2	13.3	14.0	12.1	15.8	18.3	14.0
11:00	-.10	24.7	27.7	30.9	27.3	66.7	16.1	8.8
12:00	-.13	6.9	11.7	12.8	7.7	12.3	16.9	11.5
13:00	-.13	10.5	12.1	13.5	11.2	15.2	20.4	13.9
14:00	.00	14.9	16.3	17.4	15.8	19.5	18.8	10.3
15:00	-.12	14.2	17.4	18.8	16.2	21.8	18.5	11.1
16:00	-.05	11.9	17.6	17.2	14.5	19.4	16.6	9.2
17:00	-.05	15.6	19.2	22.7	19.7	26.0	17.9	9.0
18:00	.05	10.5	22.7	19.2	11.5	17.3	14.6	6.8
19:00	-.04	8.7	13.5	18.5	10.2	17.5	13.3	6.1
20:00	-.27	13.1	16.0	19.0	13.4	21.2	17.8	9.4
21:00	-.29	15.6	21.5	22.0	17.5	85.3	16.7	7.9
22:00	-.08	28.4	33.2	37.3	29.3	37.7	15.4	8.6
23:00	.08	11.9	12.8	23.6	11.1	66.3	15.4	6.2
Avg	-.04	9.3	12.0	13.9	10.2	20.5	14.6	9.9
Max	.11	28.4	33.2	37.3	29.3	85.3	21.6	14.0
Hr. of Max	06	22	22	22	22	21	09	10
Min	-.29	1.1	2.1	1.8	1.5	2.4	8.1	6.1
Count	24	24	24	24	24	24	24	24
Total								