Date Printed: 03/24/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/23/2015

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	10.5	10.9	11.1	11.2	.40	.61	.74	.20	.34
01:00	10.1	10.5	10.8	11.4	.34	.69	1.29	.35	.95
02:00	9.8	10.2	10.8	11.5	.41	1.06	1.69	.65	1.28
03:00	9.3	10.2	10.7	11.2	.92	1.44	1.95	.52	1.03
04:00	8.8	9.9	10.1	10.5	1.10	1.35	1.75	.25	.65
05:00	7.6	9.1	9.5	10.1	1.50	1.91	2.48	.41	.98
06:00	6.7	8.4	8.9	9.7	1.74	2.17	3.05	.43	1.31
07:00	6.1	7.7	8.2	9.5	1.58	2.07	3.38	.49	1.80
08:00	7.0	7.6	8.1	9.7	.54	1.04	2.68	.51	2.14
09:00	10.6	10.4	10.3	10.5	-.24	-.28	-.15	-.04	.09
10:00	13.9	13.4	13.2	13.0	-.52	-.79	-.93	-.27	-.41
11:00	16.1	15.4	15.1	14.9	-.63	-.99	-1.18	-.36	-.55
12:00	17.8	17.0	16.6	16.5	-.88	-1.21	-1.37	-.33	-.49
13:00	19.3	18.5	18.1	18.0	-.79	-1.17	-1.29	-.39	-.51
14:00	20.4	19.6	19.3	19.2	-.78	-1.08	-1.22	-.30	-.43
15:00	21.6	20.8	20.5	20.4	-.80	-1.10	-1.19	-.30	-.39
16:00	22.4	21.5	21.2	21.1	-.83	-1.15	-1.25	-.31	-.41
17:00	22.4	21.9	21.6	21.5	-.47	-.76	-.89	-.29	-.42
18:00	21.9	21.8	21.5	21.4	-.12	-.38	-.48	-.27	-.36
19:00	19.5	20.8	20.9	21.1	1.37	1.49	1.62	.12	.25
20:00	15.0	18.7	19.4	20.0	3.68	4.42	5.01	.74	1.33
21:00	12.8	16.6	18.0	19.3	3.79	5.23	6.53	1.43	2.74
22:00	11.2	14.8	17.1	18.7	3.66	5.92	7.50	2.27	3.84
23:00	9.9	13.4	15.5	17.7	3.50	5.57	7.76	2.06	4.26
Avg	13.8	14.5	14.9	15.3	.77	1.09	1.56	.32	.79
Max	22.4	21.9	21.6	21.5	3.79	5.92	7.76	2.27	4.26
Hr. of Max	17	17	17	17	21	22	23	22	23
Min	6.1	7.6	8.1	9.5	-.88	-1.21	-1.37	-.39	-.55
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 03/24/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/23/2015

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	9.8	9.6	10.0	12.5	96.5	92.8	9.2	9.1	0.007726
01:00	9.4	9.5	9.7	12.4	96.5	94.6	9.0	9.1	0.007553
02:00	9.1	9.3	9.3	12.3	96.8	95.5	8.9	9.0	0.00739
03:00	8.6	9.1	8.8	12.1	96.9	94.0	8.6	8.8	0.007153
04:00	8.2	9.0	8.4	12.0	97.0	95.3	8.3	8.8	0.006927
05:00	7.0	8.4	7.2	11.9	96.9	96.2	7.7	8.5	0.006399
06:00	6.1	7.8	6.3	11.7	96.9	96.8	7.3	8.1	0.005995
07:00	5.5	7.0	5.7	11.5	96.9	96.3	7.0	7.7	0.005759
08:00	6.4	6.4	6.6	11.3	96.6	93.4	7.4	7.4	0.006121
09:00	6.1	4.7	7.6	11.1	74.9	69.2	7.2	6.6	0.006016
10:00	5.0	3.5	8.0	11.1	55.8	52.0	6.6	6.0	0.005597
11:00	4.7	3.8	8.5	11.4	47.8	46.5	6.5	6.1	0.0055
12:00	2.9	1.7	7.9	11.9	37.6	36.4	5.7	5.2	0.004857
13:00	2.4	1.1	8.0	12.6	33.2	31.9	5.5	5.0	0.004695
14:00	2.0	1.3	8.1	13.4	30.2	30.0	5.3	5.0	0.00457
15:00	2.2	1.3	8.7	14.1	28.5	27.9	5.4	5.0	0.004661
16:00	1.5	.4	8.4	14.6	25.8	25.1	5.1	4.7	0.004423
17:00	1.2	.1	8.2	14.8	25.2	24.1	5.0	4.6	0.004329
18:00	1.4	.6	8.2	15.0	26.4	25.1	5.1	4.8	0.00439
19:00	3.0	1.6	8.5	15.1	34.7	28.6	5.7	5.2	0.004898
20:00	4.5	2.3	8.0	15.0	50.0	34.1	6.4	5.4	0.005393
21:00	4.9	2.9	7.5	14.8	59.4	40.6	6.6	5.7	0.005535
22:00	5.3	3.1	7.3	14.5	68.0	46.1	6.8	5.8	0.005698
23:00	5.1	3.7	6.7	14.2	72.7	52.7	6.7	6.1	0.005592
Avg	5.1	4.5	8.0	13.0	64.2	59.4	6.8	6.6	0.005716
Max	9.8	9.6	10.0	15.1	97.0	96.8	9.2	9.1	0.007726
Hr. of Max	00	00	00	19	04	06	00	01	00
Min	1.2	.1	5.7	11.1	25.2	24.1	5.0	4.6	0.004329
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 03/24/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/23/2015

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	0.007633	12.1	12.0	.00	29.12	986.3	-1.8	.00	161.6
01:00	0.007576	11.8	11.9	.00	29.11	985.9	-2.3	.00	215.9
02:00	0.0075	11.6	11.7	.00	29.11	985.7	-2.6	.00	241.8
03:00	0.007384	11.2	11.6	.00	29.10	985.6	-2.1	.00	54.9
04:00	0.007328	10.9	11.5	.00	29.10	985.4	-2.0	.00	39.5
05:00	0.007033	10.0	11.0	.00	29.11	985.8	-2.2	.00	292.5
06:00	0.006749	9.4	10.6	.00	29.13	986.4	-2.8	.00	285.6
07:00	0.006376	9.1	10.0	.00	29.14	986.7	3.6	.01	58.5
08:00	0.006131	9.6	9.6	.00	29.15	987.3	137.1	.20	88.2
09:00	0.005463	9.5	8.6	.00	29.17	987.7	367.3	.53	100.1
10:00	0.00504	8.8	7.9	.00	29.17	987.7	573.1	.82	89.0
11:00	0.005139	8.7	8.1	.00	29.17	987.9	735.2	1.05	80.5
12:00	0.004444	7.7	7.0	.00	29.16	987.5	843.7	1.21	95.0
13:00	0.004281	7.4	6.7	.00	29.14	986.9	889.6	1.28	115.1
14:00	0.004327	7.2	6.8	.00	29.12	986.1	879.0	1.26	57.3
15:00	0.004351	7.3	6.8	.00	29.09	985.2	803.7	1.15	172.5
16:00	0.004088	7.0	6.4	.00	29.08	984.8	672.5	.96	237.6
17:00	0.004019	6.8	6.3	.00	29.07	984.6	364.0	.52	220.9
18:00	0.004142	6.9	6.5	.00	29.08	984.7	194.7	.28	217.0
19:00	0.004457	7.7	7.0	.00	29.08	985.0	36.4	.05	232.4
20:00	0.00464	8.5	7.3	.00	29.10	985.4	-1.9	.00	245.6
21:00	0.004848	8.7	7.6	.00	29.11	985.9	-2.2	.00	267.3
22:00	0.004905	9.0	7.7	.00	29.14	986.7	-2.1	.00	237.7
23:00	0.005107	8.8	8.0	.00	29.15	987.2	-2.5	.00	257.7
Avg	0.00554	9.0	8.7	.00	29.12	986.2	269.8	.39	186.0
Max	0.007633	12.1	12.0	.00	29.17	987.9	889.6	1.28	292.5
Hr. of Max	00	00	00	23	11	11	13	13	05
Min	0.004019	6.8	6.3	.00	29.07	984.6	-2.8	.00	39.5
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 03/24/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/23/2015

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	329.6	310.8	174.0	308.6	64.6	51.0	48.1	.4	.3
01:00	233.4	318.9	223.4	311.4	18.8	49.5	56.0	1.0	.7
02:00	246.4	300.1	247.7	297.5	37.4	38.5	26.1	1.0	1.4
03:00	122.2	74.9	61.7	71.2	47.9	38.5	25.0	.2	.3
04:00	76.7	93.7	347.9	89.6	42.1	33.8	22.2	.2	.8
05:00	84.5	28.8	284.9	17.4	43.5	40.8	39.1	.2	.1
06:00	72.3	334.8	317.3	329.5	26.2	52.5	26.3	.2	.2
07:00	60.0	27.9	56.9	21.4	26.5	11.1	9.8	.5	1.9
08:00	69.5	33.1	97.2	26.7	31.9	15.1	13.2	.4	2.0
09:00	86.4	70.2	101.6	66.0	16.8	16.2	13.8	1.8	2.2
10:00	85.8	76.6	91.3	72.5	18.3	16.1	14.2	4.6	4.7
11:00	74.5	67.8	81.5	64.4	28.3	25.2	21.0	3.7	4.3
12:00	95.4	97.0	97.1	93.2	43.9	37.5	34.3	3.4	3.8
13:00	101.5	95.3	116.1	91.7	45.8	39.5	37.9	2.0	2.1
14:00	61.6	56.6	56.4	48.5	43.2	34.2	37.3	1.8	1.8
15:00	182.3	180.0	178.7	183.2	65.0	63.1	60.9	2.2	2.6
16:00	239.6	238.3	240.9	240.1	38.3	29.9	25.7	5.0	6.2
17:00	234.6	241.9	225.2	242.7	42.7	38.0	36.6	3.2	3.9
18:00	219.4	217.4	221.6	220.0	27.4	18.1	14.2	4.3	5.5
19:00	233.4	231.5	236.6	233.9	11.8	7.4	4.8	3.1	5.4
20:00	233.0	249.6	243.0	251.2	40.7	8.7	6.4	1.2	3.3
21:00	222.0	257.3	259.9	258.6	12.0	3.0	5.9	.5	4.6
22:00	237.3	247.8	240.7	248.8	6.9	4.9	3.5	2.2	4.0
23:00	236.1	258.5	257.4	259.4	17.4	9.9	7.3	1.2	2.9
Avg	147.0	346.0	202.0	334.0	33.2	28.4	24.6	.0	.0
Max	329.6	334.8	347.9	329.5	65.0	63.1	60.9	5.0	6.2
Hr. of Max	00	06	04	06	15	15	15	16	16
Min	60.0	27.9	56.4	17.4	6.9	3.0	3.5	.2	.1
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 03/24/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/23/2015

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	1.8	.8	1.1	2.1	1.4	2.5	5.6	4.4	.14
01:00	1.0	1.1	.9	1.1	1.5	1.5	1.0	2.5	.00
02:00	2.2	1.1	1.8	2.5	1.6	2.7	.6	2.9	.00
03:00	.5	.6	1.1	1.7	1.0	2.1	.3	2.0	.01
04:00	.9	.8	.9	.9	1.1	1.4	1.7	1.3	.03
05:00	.2	.3	.1	.3	.8	.7	.4	.5	.01
06:00	.8	.4	.2	.9	.9	1.3	3.0	.0	.05
07:00	2.2	.6	2.0	2.3	1.1	2.6	2.2	2.9	.03
08:00	2.7	.5	2.1	2.7	1.0	3.1	4.2	.0	.08
09:00	2.3	1.9	2.3	2.4	2.4	2.8	.3	-2.4	.02
10:00	4.8	4.7	4.9	4.9	5.1	5.4	2.7	.8	.14
11:00	4.6	4.2	4.7	5.0	4.7	5.5	-.8	-1.4	-.12
12:00	4.0	4.0	4.3	4.5	4.7	5.1	-.8	-.7	-.05
13:00	2.1	2.7	2.7	2.7	3.3	3.5	-1.0	-13.5	.01
14:00	1.7	2.8	2.7	2.5	3.4	3.4	-8.4	-17.4	-.52
15:00	3.0	4.0	4.4	4.8	4.7	5.7	-1.0	-3.3	-.10
16:00	6.9	5.8	7.0	7.6	6.4	8.4	-1.5	-.2	-.30
17:00	4.4	3.7	4.4	5.0	4.4	5.8	-.9	7.6	-.14
18:00	6.5	4.9	6.0	6.8	5.4	7.4	.4	-.4	-.08
19:00	6.9	3.2	5.5	6.9	3.7	7.4	-.6	.8	-.08
20:00	4.9	1.2	3.3	5.0	1.6	5.3	1.8	2.8	.01
21:00	4.8	.6	4.6	4.8	1.0	5.1	2.1	2.5	.04
22:00	5.4	2.2	4.0	5.4	2.8	5.8	-.1	2.6	-.01
23:00	4.0	1.2	3.0	4.2	1.6	4.5	1.7	1.9	.03
Avg	.0	2.2	3.1	3.6	2.7	4.1	.5	-.2	-.03
Max	6.9	5.8	7.0	7.6	6.4	8.4	5.6	7.6	.14
Hr. of Max	19	16	16	16	16	16	00	17	10
Min	.2	.3	.1	.3	.8	.7	-8.4	-17.4	-.52
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 03/24/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/23/2015

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	.11	4.1	6.0	8.9	3.8	7.4	14.8	20.2
01:00	.08	2.7	3.0	7.3	3.3	7.9	9.0	19.0
02:00	.09	3.9	4.6	7.1	4.5	8.8	12.8	13.3
03:00	.11	1.8	6.4	10.3	2.3	8.1	11.0	14.3
04:00	.02	2.5	3.2	2.7	2.6	3.1	7.8	8.4
05:00	.01	2.7	1.4	2.3	1.7	2.6	8.1	11.0
06:00	.03	1.8	1.6	3.7	2.1	3.6	7.1	9.1
07:00	.13	2.7	3.4	4.6	3.0	5.0	7.7	5.3
08:00	.00	2.3	3.2	6.4	2.2	7.1	15.0	7.1
09:00	-.09	6.0	6.0	5.5	6.2	5.9	16.4	12.7
10:00	.03	9.4	10.3	10.1	10.2	10.5	15.9	13.4
11:00	-.14	17.9	16.3	17.9	12.8	10.4	21.0	20.2
12:00	.05	10.1	13.7	12.4	12.0	13.2	22.4	23.5
13:00	-.85	11.2	9.8	12.8	9.4	10.1	26.8	31.1
14:00	-1.07	8.5	8.0	7.6	10.2	9.3	26.5	30.4
15:00	-.33	10.3	13.7	12.8	13.0	13.9	22.6	28.1
16:00	-.09	12.4	15.1	14.9	14.6	15.8	18.0	16.2
17:00	.48	15.1	17.2	15.1	15.2	16.4	22.2	23.0
18:00	-.11	11.9	11.9	15.3	12.5	13.9	14.4	11.8
19:00	.07	8.9	11.0	11.9	10.7	12.6	8.3	4.0
20:00	.25	3.9	7.3	9.2	4.7	7.9	10.3	3.8
21:00	.21	3.2	7.1	10.8	3.7	8.2	11.4	4.2
22:00	.26	3.7	8.9	11.9	4.8	7.9	3.7	2.3
23:00	.14	5.0	8.0	9.6	5.7	10.1	5.3	3.2
Avg	-.03	6.8	8.2	9.6	7.1	9.2	14.1	14.0
Max	.48	17.9	17.2	17.9	15.2	16.4	26.8	31.1
Hr. of Max	17	11	17	11	17	17	13	13
Min	-1.07	1.8	1.4	2.3	1.7	2.6	3.7	2.3
Count	24	24	24	24	24	24	24	24
Total								