

WEST CENTRAL AIRSHED SOCIETY

**CONTINUOUS AMBIENT AIR QUALITY
MONITORING PROGRAM
MONTHLY REPORT
CONTINUOUS AIR MONITORING DATA**

**AMS 910
GENESEE
MAY 2015**

Operations and Data Collection by:
West Central Airshed Society
Drayton Valley, Alberta

QA/QC, Data Validation and Reporting by:
West Central Airshed Society
Drayton Valley, Alberta

Summary Report

Continuous air quality/meteorological monitoring measurements

West Central Airshed Society

Capital Power / Genesee Station 910													May 2015
Parameter	Calibration Hours	Number of Data	Percent Uptime	Mean	Total	Min	Max	P10	Q1	Percentile Median	Q3	P90	24 Hour Average Max (ppm)
SO ₂ (ppb)	35	709	100.0	0.3	-	0.0	22.2	0.0	0.0	0.0	0.0	0.4	0.002
O ₃ (ppb)	35	709	100.0	36.2	-	10.3	62.3	21.1	27.0	36.3	44.6	51.3	0.049
NO (ppb)	36	708	100.0	0.3	-	0.0	8.9	0.0	0.0	0.2	0.3	0.7	-
NO ₂ (ppb)	36	708	100.0	1.8	-	0.0	15.4	0.0	0.4	1.2	2.7	4.4	0.004
NO _x (ppb)	36	708	100.0	2.1	-	0.0	22.0	0.1	0.5	1.3	2.9	5.0	-
Particulate Matter 2.5 microns (μm ³)	0	744	100.0	6.0	-	0.0	201.3	0.5	1.7	3.9	7.0	13.2	25.34 ug/m3
Wind Speed (kph)	0	744	100.0	13.3	-	0.1	35.4	4.8	7.5	11.8	18.8	24.9	-
Temperature - 2m (°C)	0	744	100.0	11.5	-	-2.3	27.6	2.5	6.0	11.1	16.3	21.5	-
Temperature - 10m (°C)	0	744	100.0	11.0	-	-1.8	25.3	2.7	6.0	10.6	15.2	20.6	-
Delta Temperature (°C)	0	744	100.0	-0.5	-	-3.5	5.0	-2.3	-1.6	-0.6	0.5	1.8	-
Relative Humidity (%)	0	744	100.0	49.0	-	13.5	95.3	21.6	30.7	48.3	64.2	80.7	-
Global Solar Radiation (W/m ²)	0	744	100.0	273.9	-	0.0	932.1	0.0	0.0	148.7	509.1	790.0	-
Precipitation (mm)	0	744	100.0	-	1.4	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-
Std Dev Wind Direction (deg)	0	744	100.0	20.1	-	3.7	93.0	8.0	10.4	14.6	22.1	43.1	-
Std Dev Wind Speed (kph)	0	744	100.0	3.5	-	0.0	10.8	1.3	1.9	3.6	4.9	5.7	-



WCAS - Genesee
Summary of Hourly Averages

Ozone (O₃) - ppb
May 2015

Maximum Value: 62.26 ppb on May 25 13:00		Maximum Daily Average: 48.77 ppb on May 25		Hours in Service: 744																							
Minimum Value: 10.3 ppb on May 23 07:00		Minimum Daily Average: 20.84 ppb on May 6		Hours of Data: 709																							
Maximum Diurnal Average: 44.96 ppb at hour 17		Minimum Diurnal Average: 23.02 ppb at hour 7		Hours of Missing Data: 35																							
Monthly Average: 36.199 ppb		Percentiles: P ₁ = 15.5 P ₁₀ = 21.1 Q ₁ = 27.0 Median = 36.3 Q ₃ = 44.6 P ₉₀ = 51.3 P ₉₉ = 60.0		Hours of Calibration: 35																							
				Percent Operational Time: 100.0																							
Day	Hourly Period Ending At																								Daily Average	Daily Maximum	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1-May	18.5	Z	21.7	24.1	20.7	26.7	24.9	24.7	28.7	29.3	26.1	31.8	33.2	43.4	28.0	41.2	49.2	49.2	49.2	43.4	30.9	32.7	33.7	32.2	32.32	49.24	
2-May	31.1	Z	34.6	30.4	27.2	29.8	31.2	26.3	23.9	22.3	27.8	26.2	25.2	23.6	29.8	24.0	35.8	30.5	34.5	30.0	20.3	32.1	27.5	24.9	28.22	35.80	
3-May	24.4	Z	26.0	27.7	27.3	21.8	20.6	24.1	27.3	29.6	30.9	38.1	42.6	37.5	44.1	41.8	44.4	46.2	46.4	39.4	37.1	33.0	28.9	26.5	33.30	46.41	
4-May	23.4	Z	26.5	26.0	22.2	21.3	20.6	22.3	26.5	29.4	33.9	36.9	43.4	46.7	48.0	47.5	47.5	44.1	46.1	45.3	44.1	41.7	39.0	36.7	35.62	48.03	
5-May	35.0	Z	32.1	30.8	29.7	26.0	28.4	29.8	31.1	32.7	34.0	32.8	27.0	25.3	24.8	22.8	23.3	20.0	18.1	17.0	16.9	15.6	13.8	15.5	25.32	34.97	
6-May	16.5	Z	15.7	16.6	18.1	17.8	16.7	16.1	15.3	16.0	16.3	16.7	18.7	18.5	20.7	23.5	23.7	25.9	29.6	30.2	29.4	29.2	24.6	23.4	20.84	30.25	
7-May	27.6	Z	25.0	20.4	17.7	19.2	20.3	24.6	28.3	40.5	42.6	44.4	44.0	43.9	38.7	41.9	40.8	40.7	39.4	39.6	35.9	31.2	26.3	20.5	32.76	44.45	
8-May	19.8	Z	20.4	18.6	20.9	20.2	20.1	21.1	27.6	32.2	34.6	40.3	44.1	45.6	47.2	47.9	42.0	38.4	37.0	37.0	37.9	38.7	38.4	34.6	33.24	47.91	
9-May	32.5	Z	27.1	26.0	27.0	27.6	27.5	27.5	21.7	29.0	36.2	41.9	40.7	38.2	39.3	40.0	39.4	40.3	39.7	43.1	40.7	37.6	39.9	36.5	34.75	43.14	
10-May	34.0	Z	28.8	24.4	21.3	18.9	19.2	22.0	25.1	31.7	37.9	42.3	44.6	45.7	47.5	47.9	46.9	45.4	44.7	44.4	42.2	39.5	37.2	34.3	35.92	47.88	
11-May	33.6	Z	31.5	30.3	30.3	29.2	25.2	29.1	37.4	40.7	43.8	46.7	48.0	50.8	52.0	50.7	51.2	51.3	49.5	47.3	44.2	40.5	40.6	40.9	41.08	52.04	
12-May	39.0	Z	36.3	35.5	35.9	36.7	31.0	31.3	38.3	49.1	48.5	49.0	50.4	51.7	51.2	51.3	50.9	49.7	50.0	48.1	42.9	43.9	43.1	37.9	43.56	51.73	
13-May	37.2	Z	31.5	32.0	32.8	30.2	24.6	27.0	32.3	40.2	46.0	50.1	52.4	53.5	53.0	53.4	53.1	52.0	50.2	47.3	43.5	41.9	40.1	37.0	41.79	53.46	
14-May	38.3	Z	33.5	30.3	27.3	24.1	21.9	30.4	39.8	48.2	49.1	50.5	51.8	51.7	50.9	50.5	50.4	45.1	45.6	39.2	33.0	28.1	27.3	30.8	39.04	51.84	
15-May	32.3	Z	24.6	19.8	19.8	18.6	19.3	25.2	33.3	35.8	36.8	42.2	41.7	42.2	41.5	37.9	36.0	36.6	36.2	36.3	36.3	34.3	33.5	32.1	32.71	42.22	
16-May	32.1	Z	19.2	18.5	15.1	12.5	16.5	17.3	17.4	18.4	19.9	21.4	21.2	23.3	28.1	31.1	32.7	37.6	39.1	41.4	37.4	28.9	25.7	25.5	25.23	41.40	
17-May	22.7	Z	21.8	22.5	22.0	20.6	19.3	20.3	21.8	23.1	26.1	27.8	31.7	34.7	36.8	41.8	44.8	44.3	42.7	42.3	39.9	40.8	38.1	35.5	31.37	44.83	
18-May	33.2	Z	28.8	26.2	25.6	23.6	24.2	29.7	34.6	37.4	43.0	45.0	47.6	49.3	51.3	50.1	51.2	49.6	47.7	46.1	42.6	38.6	36.0	33.8	38.92	51.28	
19-May	34.7	Z	31.1	28.4	28.0	25.3	25.3	28.6	37.5	42.6	46.5	47.4	50.6	50.4	50.3	48.7	49.6	49.4	48.1	47.2	44.8	40.5	37.7	38.3	40.48	50.55	
20-May	36.5	Z	34.1	29.8	25.9	22.3	22.9	28.8	37.9	C	C	C	C	50.6	51.4	54.0	52.2	52.4	53.3	52.3	48.5	43.8	40.3	41.8	40.99	53.97	
21-May	42.2	Z	36.3	31.7	28.5	28.5	25.9	30.3	38.7	45.2	52.3	52.8	55.2	55.7	56.9	57.3	56.7	56.6	56.9	54.4	49.1	45.2	42.3	43.1	45.30	57.28	
22-May	44.4	Z	44.5	41.8	34.9	31.0	27.9	31.1	40.5	45.0	52.7	58.7	59.7	57.5	55.9	56.0	53.8	54.8	55.2	50.7	44.0	49.5	46.7	42.3	46.90	59.72	
23-May	50.2	Z	46.3	23.2	21.9	13.6	10.3	27.5	41.2	44.3	51.2	56.5	55.4	61.8	57.5	57.5	57.4	56.7	53.3	52.7	50.0	46.8	45.8	44.1	44.57	61.84	
24-May	41.1	Z	39.0	36.2	33.0	29.4	22.4	25.7	34.8	44.5	57.0	60.1	61.0	56.8	56.6	61.4	60.4	57.5	58.0	52.6	44.3	43.6	45.5	44.6	46.33	61.39	
25-May	43.1	Z	46.2	45.5	38.2	38.5	31.9	33.8	41.9	48.7	58.4	62.1	62.3	60.1	59.7	51.3	52.3	58.4	51.1	53.0	41.2	43.2	49.2	51.7	48.77	62.26	
26-May	33.6	Z	36.7	25.7	22.4	27.7	23.3	24.9	31.1	34.8	38.4	39.3	39.8	36.8	35.9	36.6	35.0	35.6	32.9	25.5	28.5	34.2	39.2	39.1	32.92	39.80	
27-May	34.1	Z	24.6	26.3	21.1	18.8	19.6	21.8	32.5	38.9	46.4	54.8	57.8	55.8	53.0	53.4	50.8	47.9	44.3	40.7	19.7	31.0	30.4	20.9	36.72	57.85	
28-May	26.8	Z	22.4	21.5	25.3	25.0	20.3	19.4	20.7	27.2	30.6	37.0	42.2	46.8	47.8	47.0	45.4	43.7	43.0	42.9	38.4	40.4	38.0	32.5	34.11	47.82	
29-May	27.4	Z	21.3	18.8	17.2	16.8	21.2	26.7	31.0	35.2	38.4	38.9	40.9	42.7	45.2	46.9	49.0	49.1	48.7	47.8	45.5	43.8	40.9	40.0	36.22	49.10	
30-May	39.2	Z	33.0	29.5	26.3	25.1	27.5	27.6	27.7	26.9	27.4	30.3	33.1	35.6	36.0	36.7	38.3	40.3	42.2	43.0	40.1	38.8	37.0	34.9	33.77	42.95	
31-May	32.1	Z	25.6	24.1	33.7	27.0	23.4	26.9	31.7	36.5	26.9	36.1	32.4	33.0	40.6	41.1	29.5	30.8	31.2	31.6	27.4	20.9	21.0	25.8	29.96	41.08	
		32.80	--	29.88	27.18	25.73	24.32	23.02	25.86	30.89	35.17	38.66	41.94	43.29	44.17	44.51	44.94	44.96	44.52	44.00	42.32	37.95	37.09	35.73	34.12	Diurnal Average	
		50.25	--	46.27	45.50	38.21	38.51	31.95	33.82	41.86	49.09	58.36	62.15	62.26	61.84	59.71	61.39	60.44	58.37	58.00	54.39	50.02	49.47	49.17	51.65	Diurnal Maximum	
Z - zerospan		C - Calibration																									
Alberta Ambient Air Quality Objectives (AAAQO):		1-hr 82.5 ppb		24-hr -- ppb																							



WCAS - Genesee
Summary of Hourly Averages

Nitrogen Oxide (NO) - ppb
May 2015

Maximum Value: 8.93 ppb on May 31 11:00		Maximum Daily Average: 1.33 ppb on May 31		Hours in Service: 744																						
Minimum Value: 0.0 ppb on May 2 22:00		Minimum Daily Average: 0.05 ppb on May 6		Hours of Data: 708																						
Maximum Diurnal Average: 0.87 ppb at hour 9		Minimum Diurnal Average: 0.02 ppb at hour 4		Hours of Missing Data: 36																						
Monthly Average: 0.317 ppb		Percentiles: P ₁ = 0.0 P ₁₀ = 0.0 Q ₁ = 0.0 Median = 0.2 Q ₃ = 0.3 P ₉₀ = 0.7 P ₉₉ = 2.1		Hours of Calibration: 36																						
				Percent Operational Time: 100.0																						
Day	Hourly Period Ending At																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-May	0.0	0.0	Z	0.0	0.0	0.0	0.1	0.4	0.6	1.0	1.0	0.3	0.3	0.5	2.0	0.6	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.32	2.01
2-May	0.0	0.0	Z	0.0	0.0	0.1	0.1	1.0	1.6	1.4	0.7	0.7	0.8	1.1	0.8	1.2	0.2	0.5	0.2	0.2	0.3	0.0	0.0	0.0	0.47	1.60
3-May	0.0	0.0	Z	0.0	0.0	0.0	0.4	1.6	2.1	5.5	5.5	1.8	0.1	0.3	0.1	0.9	0.5	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.84	5.48
4-May	0.0	0.0	Z	0.0	0.0	0.0	0.3	0.4	0.9	1.2	1.0	0.9	0.5	0.3	0.2	0.1	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.29	1.17
5-May	0.0	0.0	Z	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.4	0.8	0.5	0.3	0.3	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.20	0.83
6-May	0.0	0.0	Z	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.18
7-May	0.0	0.0	Z	0.0	0.0	0.1	0.6	0.7	0.9	0.3	0.2	0.1	0.1	0.1	2.1	0.6	0.2	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.29	2.09
8-May	0.0	0.0	Z	0.0	0.0	0.1	0.3	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.5	0.5	1.8	1.9	1.1	0.6	0.2	0.1	0.0	0.0	0.41	1.93
9-May	0.0	0.0	Z	0.0	0.0	0.0	0.3	0.8	4.6	1.6	0.6	0.3	0.4	0.5	0.4	0.4	0.4	0.4	0.3	0.2	0.1	0.2	0.1	0.0	0.51	4.55
10-May	0.0	0.0	Z	0.0	0.0	0.0	0.2	0.3	0.4	0.3	0.3	0.2	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.16	0.40
11-May	0.0	0.0	Z	0.0	0.0	0.0	0.2	0.3	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.12	0.30
12-May	0.0	0.0	Z	0.0	0.0	0.0	0.3	0.7	0.5	0.1	0.3	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.17	0.65
13-May	0.0	0.0	Z	0.0	0.0	0.0	0.4	0.9	0.9	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.21	0.94
14-May	0.0	0.0	Z	0.0	0.0	0.1	0.5	0.6	0.4	0.2	0.2	0.1	0.1	0.2	0.3	0.2	0.2	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.19	0.62
15-May	0.0	0.0	Z	0.0	0.0	0.1	0.3	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.0	0.22	0.54
16-May	0.0	0.0	Z	0.0	0.1	0.1	0.2	0.2	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.09	0.24
17-May	0.0	0.0	Z	0.0	0.0	0.0	0.3	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.5	0.4	0.3	0.2	0.0	0.0	0.23	0.52
18-May	0.0	0.0	Z	0.0	0.0	0.2	0.7	0.7	0.7	0.4	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.2	0.35	0.74
19-May	0.1	0.0	Z	0.0	0.0	0.1	0.9	1.4	0.8	0.3	0.3	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.2	0.1	0.37	1.38
20-May	0.0	0.0	Z	0.0	0.0	0.1	0.8	1.4	1.0	C	C	C	C	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.19	1.36
21-May	0.1	0.0	Z	0.0	0.0	0.0	0.7	1.4	1.0	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.31	1.37
22-May	0.1	0.1	Z	0.0	0.0	0.0	0.6	1.2	1.0	0.7	0.5	0.2	0.1	0.2	0.3	0.1	0.1	0.1	0.1	0.6	3.0	0.0	0.0	0.0	0.38	2.98
23-May	0.0	0.0	Z	0.0	0.0	0.4	2.0	1.7	1.3	1.0	0.5	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.33	2.05
24-May	0.0	0.0	Z	0.0	0.0	0.0	0.8	2.2	1.7	0.7	0.3	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.26	2.17
25-May	0.0	0.0	Z	0.0	0.0	0.0	0.3	0.6	0.6	0.5	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.14	0.62
26-May	0.1	0.1	Z	0.1	0.4	0.4	0.6	0.5	0.5	0.4	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.1	0.2	0.2	0.1	0.0	0.0	0.0	0.24	0.59
27-May	0.0	0.0	Z	0.0	0.1	0.3	0.8	1.6	1.3	1.2	0.3	0.1	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.5	0.1	0.2	0.3	0.32	1.62
28-May	0.1	0.1	Z	0.1	0.2	0.3	0.2	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.5	1.1	0.3	0.2	0.30	1.08
29-May	0.1	0.2	Z	0.0	0.0	0.4	0.9	1.0	0.8	0.6	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.0	0.1	0.0	0.1	0.30	0.97
30-May	0.0	0.0	Z	0.0	0.0	0.1	0.2	0.3	0.4	0.4	0.6	0.6	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.21	0.65
31-May	0.1	0.4	Z	0.3	0.1	0.2	0.5	0.6	0.6	0.9	8.9	1.8	5.3	4.6	0.8	0.6	0.7	0.6	0.5	0.5	0.5	1.0	0.6	0.2	1.33	8.93
		0.03	0.03	--	0.02	0.03	0.11	0.47	0.80	0.87	0.72	0.82	0.37	0.43	0.42	0.37	0.32	0.29	0.29	0.23	0.21	0.25	0.14	0.08	0.06	Diurnal Average
		0.15	0.42	--	0.34	0.40	0.43	2.05	2.17	4.55	5.48	8.93	1.80	5.29	4.63	2.09	1.16	1.78	1.93	1.11	0.59	2.98	1.08	0.59	0.32	Diurnal Maximum
Z - zerospan		C - Calibration																								
Alberta Ambient Air Quality Objectives (AAAQO):		1-hr --- ppb						24-hr --- ppb																		



WCAS - Genesee
Summary of Hourly Averages

Nitrogen Dioxide (NO₂) - ppb
May 2015

Maximum Value: 15.45 ppb on May 26 05:00 Maximum Daily Average: 4.18 ppb on May 31																				Hours in Service: 744 Hours of Data: 708 Hours of Missing Data: 36 Hours of Calibration: 36 Percent Operational Time: 100.0						
Minimum Value: 0.0 ppb on May 1 17:00 Minimum Daily Average: 0.21 ppb on May 6 Maximum Diurnal Average: 3.39 ppb at hour 4 Minimum Diurnal Average: 0.66 ppb at hour 17 Monthly Average: 1.844 ppb Percentiles: P ₁ = 0.0 P ₁₀ = 0.0 Q ₁ = 0.4 Median = 1.2 O ₃ = 2.7 P ₉₀ = 4.4 P ₉₉ = 10.3																										
Day	Hourly Period Ending At																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-May	6.3	4.9	Z	3.4	2.5	1.4	2.5	2.9	2.4	2.8	3.6	0.4	0.4	1.5	11.3	4.4	0.0	0.0	0.0	0.0	0.2	5.1	2.4	0.4	2.56	11.30
2-May	0.5	1.2	Z	2.9	4.0	2.8	1.4	3.9	5.4	5.9	2.0	2.4	4.1	4.8	2.8	4.4	0.0	1.5	0.0	0.7	7.7	0.0	0.0	0.0	2.53	7.70
3-May	0.6	0.5	Z	1.3	1.2	1.0	1.3	3.7	4.0	6.0	9.3	3.8	0.0	0.0	0.0	1.6	1.1	0.0	0.0	1.2	2.0	1.7	0.8	0.9	1.82	9.28
4-May	1.0	0.8	Z	1.7	1.3	1.5	1.9	2.1	2.7	2.5	2.3	1.9	1.0	0.4	0.2	0.2	0.3	0.7	0.7	0.7	0.6	0.6	0.6	0.4	1.14	2.70
5-May	0.5	0.4	Z	1.0	0.6	0.5	0.6	0.9	0.8	0.7	0.6	1.2	2.5	1.0	0.7	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.55	2.48
6-May	0.0	0.0	Z	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.7	2.4	0.21	2.36
7-May	0.5	0.5	Z	2.0	1.8	2.7	2.9	1.4	1.6	0.4	0.2	0.0	0.0	0.0	5.1	2.4	1.4	2.7	2.8	2.9	2.7	2.4	2.9	3.7	1.87	5.09
8-May	2.6	2.8	Z	2.8	1.7	1.2	0.8	0.8	0.6	0.4	0.3	0.4	0.0	0.2	0.5	0.8	5.3	7.0	5.9	5.8	5.1	2.9	1.3	0.9	2.17	6.96
9-May	0.9	1.5	Z	2.5	1.4	2.1	1.9	2.4	9.3	3.5	1.0	0.2	0.1	0.3	0.3	0.3	0.4	0.4	0.5	0.3	1.2	2.5	1.9	2.3	1.61	9.32
10-May	1.7	1.8	Z	1.5	1.2	1.1	1.0	0.9	0.8	0.6	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.6	0.7	0.56	1.77
11-May	1.1	0.8	Z	0.9	0.7	0.6	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	2.9	3.7	2.7	1.4	0.75	3.69
12-May	1.3	1.7	Z	2.0	1.5	1.6	1.9	2.2	1.5	0.1	0.4	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.8	0.6	1.3	3.4	0.91	3.41
13-May	1.1	1.1	Z	1.9	1.3	2.0	2.1	2.8	2.4	1.2	0.6	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.2	1.3	1.3	2.0	2.8	1.10	2.80	
14-May	0.9	0.9	Z	2.5	2.4	2.3	2.2	2.1	1.3	0.2	0.1	0.0	0.1	0.1	0.3	0.2	0.3	0.4	0.5	1.0	1.6	2.9	2.4	2.3	1.18	2.93
15-May	2.3	2.2	Z	3.8	4.1	4.1	3.5	2.4	1.6	0.9	0.7	0.5	0.4	0.5	0.4	0.8	0.9	0.7	0.7	1.1	1.5	2.2	2.2	3.1	1.76	4.13
16-May	2.6	2.9	Z	4.6	4.4	5.0	3.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.9	1.09	5.04	
17-May	2.2	3.0	Z	1.6	0.8	0.7	0.8	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.1	0.7	0.5	0.6	1.8	3.1	2.9	0.87	3.05
18-May	1.9	2.9	Z	2.9	2.9	3.8	3.3	2.1	1.3	0.7	0.3	0.2	0.0	0.2	0.2	0.4	0.4	0.4	0.6	0.9	1.8	2.7	3.8	4.5	1.66	4.54
19-May	1.8	2.0	Z	5.1	4.2	3.1	4.4	4.2	2.0	0.5	0.5	0.9	0.5	0.5	0.4	0.5	0.6	0.6	0.6	0.6	1.1	3.4	4.0	2.8	1.91	5.09
20-May	2.1	2.4	Z	3.3	3.8	4.9	4.1	4.4	3.1	C	C	C	C	C	0.9	0.3	0.2	0.1	0.1	0.2	0.7	2.9	3.7	2.0	2.16	4.87
21-May	1.6	2.1	Z	2.9	3.2	4.0	3.6	4.0	2.4	1.5	0.3	0.5	0.2	0.3	0.3	0.3	0.2	0.2	0.3	0.7	2.0	2.5	4.3	3.0	1.76	4.29
22-May	2.7	2.4	Z	2.8	3.3	4.4	4.6	4.4	3.6	2.6	1.7	0.8	0.5	0.7	0.7	0.5	0.5	0.5	0.7	2.2	8.6	1.9	2.7	2.4	2.41	8.64
23-May	1.5	2.3	Z	7.1	8.2	7.5	4.9	5.9	5.3	4.3	2.6	0.9	0.7	0.4	0.4	0.3	0.4	0.6	0.5	1.9	1.2	1.6	2.0	2.4	2.73	8.15
24-May	2.9	2.7	Z	3.5	3.5	5.0	5.7	7.2	5.6	3.5	1.5	0.3	0.3	0.4	0.5	0.4	0.5	0.5	0.7	1.7	5.2	7.7	5.2	4.4	2.99	7.68
25-May	3.3	2.9	Z	3.6	4.5	4.2	5.6	4.3	3.4	2.7	1.2	0.5	0.5	0.5	0.7	1.0	1.0	0.6	1.0	1.7	4.4	3.7	2.7	2.8	2.48	5.62
26-May	8.3	5.4	Z	13.7	15.4	10.5	6.5	3.1	1.8	1.5	0.7	0.7	0.7	0.9	1.0	0.9	0.9	1.0	1.3	1.4	1.0	1.6	3.2	3.4	3.68	15.45
27-May	4.0	4.1	Z	7.4	8.4	6.3	5.7	6.8	5.2	4.2	2.0	1.1	0.9	1.0	1.1	1.1	1.2	1.4	2.0	2.8	4.6	2.2	3.2	6.5	3.61	8.36
28-May	2.7	2.0	Z	1.8	1.3	1.4	1.1	0.9	0.7	0.3	0.1	0.1	0.1	0.1	0.2	0.4	0.6	0.7	0.7	1.6	4.5	4.8	4.1	4.8	1.53	4.82
29-May	4.8	4.1	Z	4.8	5.0	4.9	3.5	2.4	2.0	1.7	1.0	0.8	0.8	0.8	0.6	0.7	0.6	0.8	0.9	1.0	1.1	1.4	1.7	1.4	2.03	5.01
30-May	1.3	1.5	Z	3.0	2.7	2.4	1.6	1.4	1.3	1.2	1.2	1.1	1.0	0.7	0.6	0.5	0.7	0.7	0.7	0.9	1.3	1.7	2.1	2.5	1.39	2.98
31-May	2.8	4.8	Z	6.5	3.0	2.3	2.2	1.5	1.4	2.1	13.2	4.5	11.0	11.2	2.9	1.9	2.4	2.5	1.7	2.0	3.4	6.2	4.0	2.8	4.18	13.21
																								Diurnal Average		
																								Diurnal Maximum		
2.18 2.21 -- 3.39 3.23 3.08 2.74 2.67 2.38 1.74 1.60 0.79 0.86 0.89 1.05 0.80 0.66 0.79 0.77 1.13 2.24 2.35 2.35 2.39																										
8.25 5.42 -- 13.66 15.45 10.54 6.51 7.22 9.32 5.97 13.21 4.45 11.02 11.16 11.30 4.44 5.32 6.96 5.86 5.80 8.64 7.68 5.21 6.49																										
Z - zerospan C - Calibration Alberta Ambient Air Quality Objectives (AAAQO): 1-hr 159 ppb 24-hr 106 ppb																										



WCAS - Genesee
Summary of Hourly Averages

NOx (NO_x) - ppb
May 2015

Maximum Value: 21.99 ppb on May 31 11:00		Maximum Daily Average: 5.46 ppb on May 31		Hours in Service: 744																							
Minimum Value: 0.0 ppb on May 1 17:00		Minimum Daily Average: 0.25 ppb on May 6		Hours of Data: 708																							
Maximum Diurnal Average: 3.53 ppb at hour 8		Minimum Diurnal Average: 0.86 ppb at hour 17		Hours of Missing Data: 36																							
Monthly Average: 2.119 ppb		Percentiles: P ₁ = 0.0 P ₁₀ = 0.1 Q ₁ = 0.5 Median = 1.3 O ₃ = 2.9 P ₉₀ = 5.0 P ₉₉ = 13.8		Hours of Calibration: 36																							
				Percent Operational Time: 100.0																							
Day	Hourly Period Ending At																								Daily Average	Daily Maximum	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1-May	6.4	4.9	Z	3.5	2.6	1.5	2.6	3.3	3.0	3.9	4.6	0.7	0.7	2.0	13.2	5.0	0.0	0.0	0.0	0.1	0.4	5.1	2.4	0.5	2.89	13.25	
2-May	0.5	1.2	Z	3.0	4.0	2.9	1.5	4.9	7.0	7.2	2.7	3.0	4.9	5.9	3.6	5.5	0.2	2.0	0.0	0.9	7.9	0.0	0.0	0.0	2.99	7.90	
3-May	0.7	0.5	Z	1.3	1.3	1.0	1.7	5.3	6.0	11.4	14.7	5.5	0.0	0.0	0.0	2.5	1.5	0.0	0.0	1.2	2.0	1.7	0.8	0.8	2.60	14.66	
4-May	1.0	0.8	Z	1.7	1.2	1.5	2.1	2.5	3.6	3.6	3.3	2.8	1.5	0.6	0.3	0.3	0.3	0.8	0.7	0.8	0.6	0.6	0.5	0.4	1.37	3.64	
5-May	0.5	0.4	Z	1.0	0.6	0.5	0.6	1.2	1.1	1.1	0.9	1.6	3.3	1.5	1.0	0.7	0.6	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.75	3.35	
6-May	0.0	0.0	Z	0.5	0.0	0.0	0.0	0.1	0.2	0.1	0.0	0.2	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.7	2.4	0.25	2.41	
7-May	0.5	0.6	Z	2.0	1.9	2.8	3.5	2.0	2.5	0.7	0.5	0.0	0.0	0.0	7.1	3.1	1.7	3.0	3.0	3.0	2.7	2.5	2.9	3.7	2.16	7.12	
8-May	2.6	2.8	Z	2.8	1.7	1.2	1.1	1.3	1.1	0.8	0.6	0.7	0.2	0.5	0.9	1.2	7.0	8.8	6.9	6.3	5.2	3.0	1.3	0.9	2.55	8.78	
9-May	0.9	1.5	Z	2.5	1.3	2.2	2.1	3.2	13.8	5.2	1.6	0.5	0.5	0.7	0.6	0.6	0.7	0.7	0.7	0.4	1.3	2.6	2.0	2.3	2.09	13.82	
10-May	1.7	1.8	Z	1.5	1.2	1.1	1.2	1.4	1.2	1.0	0.7	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.4	0.6	0.8	0.67	1.77	
11-May	1.2	0.8	Z	1.0	0.7	0.7	1.0	0.7	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.2	0.3	1.0	3.0	3.7	2.8	1.4	0.82	3.72	
12-May	1.2	1.7	Z	2.0	1.5	1.6	2.2	2.9	2.0	0.3	0.6	0.2	0.1	0.3	0.1	0.0	0.1	0.1	0.4	0.5	0.9	0.7	1.3	3.4	1.05	3.44	
13-May	1.1	1.1	Z	1.9	1.3	2.1	2.5	3.7	3.4	1.7	0.9	0.4	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.3	1.4	1.4	2.0	2.8	1.29	3.74	
14-May	0.9	0.9	Z	2.4	2.4	2.4	2.6	2.7	1.6	0.3	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.6	0.6	1.1	1.7	2.9	2.5	2.3	1.31	2.94	
15-May	2.3	2.1	Z	3.8	4.0	4.1	3.7	2.9	2.0	1.2	0.9	0.7	0.5	0.7	0.5	0.9	1.1	0.8	0.7	1.2	1.5	2.2	2.2	3.1	1.88	4.11	
16-May	2.5	2.9	Z	4.5	4.4	5.0	3.1	0.7	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8	1.09	5.03		
17-May	2.1	2.9	Z	1.5	0.8	0.7	1.1	0.9	0.7	0.4	0.0	0.1	0.1	0.1	0.2	0.1	0.3	0.1	0.8	0.4	0.5	1.8	3.0	2.9	0.94	3.04	
18-May	1.9	2.9	Z	3.0	2.9	4.0	4.0	2.9	2.0	1.1	0.7	0.4	0.2	0.3	0.3	0.6	0.4	0.4	0.6	0.9	1.8	2.6	3.8	4.5	1.83	4.51	
19-May	1.9	2.1	Z	5.1	4.2	3.3	5.4	5.7	2.9	0.7	0.8	1.2	0.6	0.5	0.5	0.5	0.6	0.5	0.6	0.6	1.1	3.2	3.8	2.6	2.10	5.66	
20-May	2.0	2.4	Z	3.2	3.7	5.0	4.9	5.8	3.9	C	C	C	C	C	1.1	0.5	0.4	0.2	0.2	0.2	0.7	2.8	3.7	1.8	2.37	5.77	
21-May	1.5	2.1	Z	2.8	3.2	4.3	4.5	5.5	3.5	2.1	0.3	0.5	0.3	0.3	0.4	0.2	0.2	0.2	0.3	0.6	1.8	2.4	4.2	2.9	1.92	5.48	
22-May	2.5	2.4	Z	2.8	3.3	4.6	5.5	6.0	4.8	3.2	2.1	0.9	0.6	0.9	1.0	0.5	0.6	0.6	0.8	2.8	11.6	1.8	2.7	2.3	2.80	11.61	
23-May	1.4	2.2	Z	7.1	8.2	8.5	7.5	8.1	6.8	5.3	3.2	1.1	0.9	0.5	0.5	0.3	0.4	0.6	0.5	2.0	1.2	1.5	2.0	2.4	3.15	8.47	
24-May	2.8	2.7	Z	3.5	3.6	5.3	7.0	9.8	7.4	4.2	1.8	0.4	0.3	0.6	0.7	0.4	0.5	0.6	0.7	1.7	5.1	7.6	5.1	4.3	3.31	9.81	
25-May	3.3	2.8	Z	3.5	4.5	4.3	6.2	5.2	4.1	3.2	1.4	0.6	0.6	0.6	0.8	1.3	1.3	0.7	1.2	1.8	4.4	3.8	2.8	2.8	2.66	6.22	
26-May	8.3	5.5	Z	13.8	16.1	11.2	7.3	3.9	2.3	1.9	1.1	1.0	1.1	1.3	1.4	1.2	1.2	1.2	1.5	1.7	1.2	1.7	3.2	3.4	4.02	16.14	
27-May	4.0	4.1	Z	7.4	8.5	6.7	6.6	8.5	6.6	5.4	2.3	1.3	1.1	1.2	1.3	1.2	1.3	1.6	2.2	3.0	5.1	2.3	3.4	6.8	4.00	8.51	
28-May	2.8	2.2	Z	1.9	1.5	1.6	1.3	1.2	1.1	0.6	0.4	0.3	0.3	0.2	0.3	0.5	0.7	0.8	0.8	1.5	4.6	5.4	4.0	4.7	1.68	5.43	
29-May	4.6	4.0	Z	4.8	5.0	5.2	4.2	3.3	2.6	1.9	1.2	0.9	0.8	0.9	0.6	0.7	0.7	0.8	0.8	0.9	1.1	1.3	1.7	1.4	2.14	5.20	
30-May	1.3	1.5	Z	3.0	2.7	2.6	1.9	1.7	1.6	1.6	1.8	1.6	1.3	1.0	0.9	0.8	1.0	0.9	0.9	1.0	1.4	1.7	2.1	2.5	1.61	2.99	
31-May	2.8	5.2	Z	6.8	3.1	2.5	2.7	2.1	1.9	3.0	22.0	6.2	16.2	15.6	3.7	2.5	3.1	3.1	2.2	2.5	3.9	7.1	4.5	2.9	5.46	21.99	
		2.17	2.22	--	3.40	3.27	3.24	3.28	3.53	3.26	2.44	2.38	1.12	1.22	1.23	1.34	1.03	0.86	0.97	0.90	1.25	2.40	2.40	2.36	2.38	Diurnal Average	
		8.32	5.47	--	13.85	16.14	11.18	7.47	9.81	13.82	11.42	21.99	6.22	16.16	15.64	13.25	5.51	7.01	8.78	6.86	6.27	11.61	7.57	5.10	6.78	Diurnal Maximum	
Z - zerospan		C - Calibration																									
Alberta Ambient Air Quality Objectives (AAAQO):		1-hr --- ppb				24-hr --- ppb																					



WCAS - Genesee
Summary of Hourly Averages

PM2.5 (PM_{2.5}) - µg/m³
May 2015

Maximum Value: 201.32 µg/m ³ on May 25 11:00 Maximum Daily Average: 25.34 µg/m ³ on May 25																						Hours in Service: 744 Hours of Data: 744																											
Minimum Value: 0.0 µg/m ³ on May 1 09:00 Minimum Daily Average: 1.03 µg/m ³ on May 6 Maximum Diurnal Average: 10.32 µg/m ³ at hour 11 Minimum Diurnal Average: 3.44 µg/m ³ at hour 12 Monthly Average: 5.978 µg/m ³ Percentiles: P ₁ = 0.0 P ₁₀ = 0.5 Q ₁ = 1.7 Median = 3.9 Q ₃ = 7.0 P ₉₀ = 13.2 P ₉₉ = 31.3																						Hours of Missing Data: 0 Hours of Calibration: 0 Percent Operational Time: 100.0																											
Day	Hourly Period Ending At																								Daily Average	Daily Maximum																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																									
1-May	4.8	6.3	0.1	1.2	1.9	2.9	1.0	4.2	0.0	2.0	0.0	3.3	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.6	3.4	0.8	1.3	0.0	1.51	6.31																							
2-May	2.3	4.0	0.8	1.1	0.0	0.0	1.8	2.7	2.8	1.0	1.7	0.0	4.3	0.0	1.7	0.5	0.0	2.6	2.9	0.0	2.5	1.8	0.1	0.4	1.46	4.29																							
3-May	1.0	0.3	0.7	1.0	0.5	0.6	1.8	1.8	1.5	0.8	0.5	0.4	0.0	2.0	0.0	0.0	0.5	0.7	0.7	3.2	3.2	5.0	3.3	1.3	1.29	5.01																							
4-May	1.7	0.5	1.5	0.1	0.0	2.2	2.5	3.2	3.0	2.7	0.4	5.1	1.7	0.8	0.5	0.5	3.7	3.2	2.7	2.2	1.2	0.1	0.0	1.75	5.06																								
5-May	0.1	1.1	4.9	4.9	4.5	3.4	3.3	2.7	3.7	3.0	4.4	4.1	5.5	5.4	5.4	2.8	2.5	3.0	1.0	2.8	3.9	2.0	1.4	0.0	3.17	5.46																							
6-May	1.0	0.1	1.9	1.0	1.3	0.8	0.0	1.7	0.0	0.4	1.1	0.5	1.0	0.7	0.0	1.8	0.0	1.7	0.6	0.0	3.2	2.5	1.5	2.3	1.03	3.17																							
7-May	0.7	0.5	1.1	1.5	1.4	2.9	2.7	3.9	2.0	1.9	0.9	0.5	0.6	1.1	4.4	0.2	8.2	5.3	5.7	5.8	8.4	4.9	5.0	6.5	3.17	8.35																							
8-May	3.9	4.0	2.8	3.8	2.8	2.4	4.2	3.6	3.5	3.0	2.7	0.6	0.3	0.0	0.0	2.3	0.0	4.4	4.0	4.5	4.8	2.8	1.1	1.7	2.62	4.75																							
9-May	4.8	3.8	3.2	3.2	3.8	3.7	5.8	4.3	5.0	2.5	2.1	2.5	4.0	3.6	4.0	4.3	6.8	4.7	3.7	3.5	2.9	5.8	2.7	1.2	3.82	6.81																							
10-May	6.0	3.6	5.3	3.7	3.1	3.8	2.7	3.2	5.9	4.0	1.9	0.5	4.0	0.0	0.0	1.5	1.5	0.9	2.6	1.7	2.1	2.9	3.2	5.7	2.91	6.00																							
11-May	2.3	3.7	1.1	2.7	2.8	4.0	3.2	2.7	1.6	1.7	1.2	1.2	2.1	2.9	1.4	4.0	0.0	7.1	2.6	5.0	5.4	6.1	7.3	4.9	3.21	7.33																							
12-May	7.3	7.5	4.8	5.0	2.4	3.7	6.3	5.8	4.1	0.7	3.8	2.7	3.2	6.1	4.3	0.6	5.3	3.9	3.8	5.2	4.6	6.0	5.3	7.0	4.56	7.52																							
13-May	5.3	5.5	4.3	4.6	5.0	4.6	7.0	8.1	8.9	5.6	8.1	6.0	4.2	7.0	7.9	6.8	11.0	10.4	7.5	7.3	7.8	6.9	4.9	9.4	6.84	10.98																							
14-May	8.3	6.1	6.1	5.5	4.8	6.2	7.8	6.3	3.4	2.6	2.3	3.6	0.7	5.3	3.0	5.2	6.5	6.0	3.6	7.0	8.6	6.1	8.7	6.8	5.44	8.73																							
15-May	5.2	5.6	6.6	6.1	8.4	10.3	7.9	3.8	2.8	4.3	6.3	4.7	4.5	0.5	2.5	4.2	2.3	3.9	1.9	4.9	3.8	6.7	5.2	13.4	5.23	13.36																							
16-May	9.2	8.9	7.7	10.4	9.0	10.5	11.2	0.4	7.0	1.4	2.3	0.0	0.1	0.5	1.8	1.6	0.0	0.0	3.4	2.7	3.1	2.3	1.7	2.0	4.06	11.20																							
17-May	3.1	3.2	1.4	1.4	1.0	1.4	1.7	1.2	1.6	1.1	0.3	0.6	0.5	0.9	0.0	0.7	1.9	1.3	0.0	0.3	2.7	2.3	1.6	2.6	1.36	3.23																							
18-May	1.7	1.7	1.7	3.5	1.4	0.3	5.2	0.0	0.4	0.4	2.3	1.6	0.9	1.1	1.7	0.7	3.1	3.6	1.9	1.2	2.6	3.3	1.7	3.0	1.88	5.16																							
19-May	3.3	2.3	1.1	2.4	1.7	3.4	4.9	6.2	2.4	2.8	0.3	2.9	0.0	0.7	5.5	2.3	2.4	0.6	2.2	1.9	3.3	4.2	3.8	2.8	2.64	6.15																							
20-May	4.2	2.4	2.6	2.2	4.6	2.4	6.5	4.6	1.6	5.2	0.0	0.0	1.9	4.6	6.3	5.6	7.1	1.8	3.3	4.8	5.3	6.6	6.1	1.4	3.80	7.07																							
21-May	1.5	5.8	4.3	5.2	5.2	5.9	8.9	7.1	3.8	2.7	1.4	0.2	0.7	3.9	3.2	3.0	3.2	2.3	5.0	14.5	6.1	10.7	11.1	10.3	5.25	14.54																							
22-May	9.1	5.1	7.2	6.7	10.2	10.9	14.0	14.1	24.6	17.1	17.2	6.2	8.2	9.9	60.6	6.9	4.0	3.1	3.3	32.5	32.1	31.7	16.6	16.7	15.34	60.57																							
23-May	13.8	23.9	8.1	13.2	25.6	13.8	16.6	12.3	10.2	13.6	10.7	6.0	6.9	9.5	10.0	11.9	12.2	17.0	14.9	20.1	20.8	18.3	21.5	20.2	14.63	25.64																							
24-May	20.3	19.7	18.7	17.6	20.7	19.3	21.3	16.8	14.4	11.1	3.2	0.7	6.7	5.4	6.4	4.5	5.3	4.7	5.8	8.5	9.8	15.8	13.0	11.9	11.73	21.33																							
25-May	8.9	8.5	6.9	4.6	6.9	9.7	15.8	22.3	12.8	13.6	201.3	13.1	6.2	6.2	9.8	26.3	154.8	7.3	13.9	10.1	10.6	13.0	13.7	12.1	25.34	201.32																							
26-May	53.0	22.8	24.4	27.5	14.1	19.8	18.7	16.6	18.6	14.3	12.2	8.8	11.4	9.6	10.1	9.9	12.6	12.3	16.8	15.3	12.3	9.7	9.2	12.1	16.34	53.01																							
27-May	11.7	7.6	8.7	10.8	9.5	14.0	15.9	13.8	15.0	11.4	11.4	13.9	11.5	15.8	15.3	13.8	11.7	11.1	14.3	15.0	29.0	8.7	12.0	13.3	13.13	28.99																							
28-May	19.2	17.6	10.5	0.5	6.6	5.3	3.7	3.2	2.3	6.4	4.7	1.3	2.5	3.6	0.7	4.9	4.9	4.4	7.0	8.3	7.6	7.6	13.8	7.7	6.42	19.25																							
29-May	7.6	4.7	3.9	1.7	2.3	6.3	8.3	7.3	8.4	5.1	3.4	5.2	4.6	6.0	4.9	9.7	8.4	4.2	5.5	4.6	5.6	3.5	3.5	2.0	5.28	9.69																							
30-May	2.6	2.2	2.7	4.7	0.0	2.3	5.6	4.7	5.9	9.4	5.5	6.2	3.3	6.1	4.3	5.2	1.0	3.5	4.1	4.7	4.7	4.7	5.4	7.6	4.44	9.39																							
31-May	8.0	16.1	6.2	4.5	4.9	7.2	6.9	3.7	14.4	3.1	6.1	4.3	7.2	7.0	3.6	4.6	16.1	6.1	0.0	2.4	3.3	0.4	0.0	0.0	5.67	16.12																							
																								7.48	6.62	5.20	5.24	5.37	5.93	7.21	6.21	6.18	5.01	10.32	3.44	3.50	4.07	5.86	4.73	9.58	4.55	4.65	6.49	7.28	6.59	5.99	6.01	Diurnal Average	
																								53.01	23.92	24.40	27.54	25.64	19.79	21.33	22.27	24.58	17.14	201.32	13.89	11.49	15.77	60.57	26.32	154.80	17.02	16.84	32.49	32.09	31.71	21.49	20.23	Diurnal Maximum	
Alberta Ambient Air Quality Objectives (AAAQO): 1-hr 80 ul/m ³ 24-hr 30 ul/m ³																																																	

WEST CENTRAL AIRSHED SOCIETY

**CONTINUOUS AMBIENT AIR QUALITY
MONITORING PROGRAM
MONTHLY REPORT
METEROLOGICAL DATA**

**AMS 910
GENESEE
MAY 2015**

Operations and Data Collection by:
West Central Airshed Society
Drayton Valley, Alberta

QA/QC, Data Validation and Reporting by:
West Central Airshed Society
Drayton Valley, Alberta



WCAS - Genesee
Summary of Hourly Averages

External Temperature (ET) - C
May 2015

Maximum Value: 27.60 C on May 24 16:00 Maximum Daily Average: 18.98 C on May 24																				Hours in Service: 744 Hours of Data: 744 Hours of Missing Data: 0 Hours of Calibration: 0 Percent Operational Time: 100.0																													
Minimum Value: -2.3 C on May 7 05:00 Minimum Daily Average: 1.13 C on May 6 Maximum Diurnal Average: 17.41 C at hour 16 Minimum Diurnal Average: 4.34 C at hour 5 Monthly Average: 11.462 C Percentiles: P ₁ = -0.2 P ₁₀ = 2.5 Q ₁ = 6.0 Median = 11.1 Q ₃ = 16.3 P ₉₀ = 21.5 P ₉₉ = 26.0																																																	
Day	Hourly Period Ending At																								Daily Average	Daily Maximum																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																									
1-May	3.0	3.2	1.6	2.8	2.2	3.8	4.5	6.3	8.1	9.8	10.4	11.3	11.3	11.5	11.1	9.6	11.5	12.1	11.5	9.6	7.3	6.0	4.9	3.9	7.38	12.06																							
2-May	4.5	5.6	5.4	4.5	3.8	2.9	3.0	5.4	6.3	7.6	9.2	9.7	6.0	7.8	9.2	10.9	11.4	10.2	8.3	7.3	6.1	3.5	1.3	1.4	6.31	11.38																							
3-May	2.4	2.7	1.8	1.4	1.1	-0.6	1.1	3.8	5.5	7.2	9.6	10.4	11.5	9.5	12.7	11.6	12.5	13.3	13.2	10.8	9.2	7.2	5.8	4.9	7.02	13.32																							
4-May	4.6	3.1	3.0	2.7	1.9	0.6	2.7	4.3	6.3	8.4	11.2	13.5	15.7	16.5	16.9	17.0	15.2	14.2	13.4	12.5	11.2	10.0	8.8	9.63	16.98																								
5-May	7.7	7.4	6.9	6.3	5.1	4.1	5.8	7.5	8.6	9.9	10.8	11.0	11.4	11.5	11.5	10.8	10.4	8.6	6.8	5.6	4.2	2.7	0.9	0.7	7.35	11.54																							
6-May	0.6	0.6	0.5	0.4	0.2	0.2	0.2	0.2	0.3	0.5	0.9	1.3	1.6	1.5	2.1	2.5	2.6	2.0	1.8	1.7	1.3	1.3	1.5	1.5	1.13	2.64																							
7-May	1.5	1.3	0.2	-1.2	-2.3	-1.8	-0.2	2.2	4.6	6.7	7.7	8.1	9.5	10.7	9.8	10.0	8.2	7.3	6.5	6.2	5.3	5.0	4.2	2.6	4.67	10.74																							
8-May	1.3	1.3	0.9	0.6	-0.6	-0.2	2.0	4.3	6.7	8.3	9.6	10.6	12.2	12.6	13.5	13.2	13.9	14.3	13.5	12.5	9.0	6.4	5.8	4.6	7.34	14.26																							
9-May	4.3	4.0	3.6	2.5	3.0	3.9	5.5	8.6	10.4	13.3	15.4	16.3	17.0	17.4	17.5	17.7	17.6	17.1	15.9	14.5	12.1	9.9	8.9	7.5	10.99	17.73																							
10-May	5.8	5.3	4.2	2.8	2.0	1.6	3.0	5.7	8.1	11.2	13.3	14.6	15.5	16.6	17.3	17.9	17.6	17.0	15.7	13.8	10.9	8.8	6.9	5.2	10.03	17.88																							
11-May	4.2	3.4	2.5	1.9	0.9	1.4	4.3	7.5	10.3	11.5	12.7	13.6	14.6	14.6	15.4	16.3	16.3	15.8	14.8	13.2	10.1	7.6	6.0	5.2	9.35	16.30																							
12-May	3.9	3.6	3.2	2.7	2.2	2.7	3.5	6.6	10.1	13.0	14.5	15.7	16.9	17.8	18.4	18.5	18.2	17.6	16.5	14.8	11.3	8.5	7.8	6.4	10.60	18.54																							
13-May	5.3	4.3	3.7	3.6	2.7	2.8	3.5	6.9	10.7	13.1	14.6	15.9	16.9	17.1	17.6	17.2	17.7	17.3	16.3	14.3	11.7	9.3	7.9	6.3	10.69	17.69																							
14-May	5.8	5.6	4.5	3.5	2.7	2.2	4.6	8.8	11.9	13.8	14.9	16.2	17.1	18.0	18.6	17.5	17.7	16.9	16.7	14.9	12.0	8.5	8.1	7.8	11.18	18.62																							
15-May	7.6	7.5	6.9	6.3	7.3	8.0	8.5	10.2	12.4	14.8	16.9	17.9	18.2	18.6	17.0	16.7	16.6	16.4	15.6	15.4	14.7	13.8	12.6	11.2	12.95	18.57																							
16-May	11.0	10.5	10.4	9.8	9.3	9.8	9.7	7.9	6.2	5.8	5.5	4.9	4.9	5.7	7.6	9.6	11.5	12.3	11.5	10.2	7.6	4.5	5.4	4.7	8.18	12.28																							
17-May	3.3	2.5	1.3	0.7	-0.3	-0.5	0.9	2.8	4.8	6.5	7.8	9.4	10.8	11.8	12.6	13.1	13.5	13.2	12.6	11.3	8.2	6.1	5.8	4.8	6.80	13.49																							
18-May	3.3	2.1	1.7	1.2	0.7	0.9	3.5	7.5	10.6	12.5	14.0	15.3	16.3	17.2	18.0	18.4	18.5	18.0	17.1	15.7	13.2	10.6	8.7	7.0	10.49	18.48																							
19-May	5.2	5.0	4.3	3.3	2.4	2.2	4.9	8.7	13.0	15.5	16.7	18.2	19.0	20.2	20.8	21.1	21.1	20.7	19.7	18.0	14.9	12.3	10.4	8.1	12.75	21.09																							
20-May	6.5	6.9	6.5	4.9	3.6	3.8	6.5	10.9	14.7	17.2	19.0	20.3	21.5	22.4	23.0	23.3	23.2	22.5	21.5	19.9	16.7	14.0	12.2	10.3	14.64	23.30																							
21-May	9.0	8.7	7.1	5.7	5.0	5.8	8.2	12.3	16.3	18.7	20.4	21.5	22.4	23.4	24.2	24.8	24.8	24.3	23.4	21.2	18.7	15.9	13.3	11.1	16.09	24.82																							
22-May	11.0	10.8	10.0	8.8	7.0	6.2	9.5	12.8	16.3	19.4	22.2	23.5	24.7	25.5	25.6	26.0	26.0	25.7	25.0	23.7	21.3	18.9	17.3	13.6	17.94	26.04																							
23-May	15.7	10.8	11.2	6.4	6.2	5.4	9.1	15.0	17.9	20.9	23.5	25.4	25.9	26.9	26.0	25.7	25.7	24.1	24.8	23.6	21.6	19.4	18.0	15.8	18.54	26.85																							
24-May	14.1	13.2	11.9	10.3	9.0	8.3	10.4	14.4	18.2	21.6	24.9	26.1	26.0	27.4	27.5	27.6	27.3	26.2	24.8	22.7	18.0	17.1	15.3	13.4	18.98	27.60																							
25-May	12.4	11.9	11.6	11.7	9.2	8.9	11.5	15.2	18.9	21.9	24.0	24.2	24.7	26.5	26.2	25.7	25.1	25.0	23.4	21.7	20.0	16.8	15.3	15.8	18.66	26.52																							
26-May	11.1	11.1	10.1	11.6	10.5	12.7	13.7	15.3	17.4	19.7	21.4	23.0	23.9	24.3	24.7	24.8	24.3	23.3	22.3	20.8	17.8	16.2	15.6	15.0	17.94	24.75																							
27-May	13.7	11.9	10.5	10.6	9.9	10.3	12.1	14.0	17.4	20.5	22.0	23.5	24.7	25.5	24.7	24.5	24.8	25.3	23.9	21.9	17.8	16.0	15.4	14.0	18.13	25.52																							
28-May	12.2	11.5	10.2	9.0	8.7	8.6	8.0	7.8	8.5	9.6	11.1	11.9	12.4	13.1	14.1	14.5	14.6	14.7	14.4	12.7	10.7	9.9	8.5	7.1	10.99	14.67																							
29-May	6.0	4.9	3.8	2.9	2.3	2.9	6.3	9.7	11.9	12.4	13.1	13.2	13.8	14.5	14.6	13.6	12.5	11.7	12.0	11.8	11.7	11.5	11.3	11.1	9.98	14.57																							
30-May	11.1	10.8	10.4	10.3	10.1	9.9	11.1	11.2	11.8	12.0	13.4	15.4	16.3	16.9	18.3	18.7	18.4	18.4	19.4	18.7	16.5	15.2	14.4	13.5	14.26	19.45																							
31-May	13.0	11.2	9.5	9.1	8.9	9.4	10.0	11.9	14.2	15.5	16.4	17.7	19.1	19.8	20.5	20.9	17.0	16.2	18.4	17.7	15.0	11.9	10.7	10.3	14.33	20.87																							
																								7.13	6.54	5.79	5.07	4.34	4.39	6.04	8.58	10.92	12.86	14.42	15.47	16.19	16.86	17.32	17.41	17.33	16.86	16.19	14.82	12.50	10.53	9.36	8.18	Diurnal Average	
																								15.68	13.17	11.86	11.75	10.47	12.66	13.68	15.28	18.88	21.91	24.86	26.06	26.02	27.36	27.51	27.60	27.30	26.24	25.05	23.67	21.60	19.43	17.98	15.85	Diurnal Maximum	



WCAS - Genesee
Summary of Hourly Averages

External Temperature 10 m (ET_10) - C
May 2015

Maximum Value: 25.29 C on May 24 17:00 Maximum Daily Average: 19.10 C on May 23																						Hours in Service: 744 Hours of Data: 744				
Minimum Value: -1.8 C on May 7 06:00 Minimum Daily Average: 0.47 C on May 6 Maximum Diurnal Average: 15.67 C at hour 17 Minimum Diurnal Average: 4.86 C at hour 6 Monthly Average: 10.993 C Percentiles: P ₁ = -0.4 P ₁₀ = 2.7 Q ₁ = 6.0 Median = 10.6 Q ₃ = 15.2 P ₉₀ = 20.6 P ₉₉ = 25.0																						Hours of Missing Data: 0 Hours of Calibration: 0 Percent Operational Time: 100.0				
Day	Hourly Period Ending At																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-May	5.0	4.9	3.8	4.0	3.1	3.8	4.1	5.6	7.2	8.5	9.0	9.4	9.5	10.1	10.0	8.2	9.2	10.3	10.1	9.5	7.5	6.0	5.5	4.8	7.04	10.28
2-May	4.4	5.9	5.6	4.7	4.0	3.0	2.7	4.6	5.2	6.2	7.4	7.9	5.6	6.9	8.1	9.4	9.6	9.0	7.7	7.4	6.3	3.9	2.8	2.4	5.86	9.57
3-May	2.6	2.7	1.9	1.5	1.2	-0.1	0.0	2.5	4.2	5.7	7.5	8.5	9.1	7.3	9.8	10.4	10.9	11.5	11.6	10.2	9.0	7.2	5.6	4.8	6.07	11.56
4-May	4.4	4.2	3.8	3.4	2.1	1.7	2.1	3.3	4.7	6.7	9.1	11.3	13.1	14.2	14.8	15.5	16.0	14.6	13.8	13.1	12.2	11.0	9.8	8.8	8.90	16.02
5-May	7.7	7.1	6.6	6.0	5.6	5.1	5.5	6.5	7.3	8.4	9.2	9.6	9.9	10.0	10.0	9.4	9.1	7.8	6.2	5.0	3.6	2.2	0.5	0.2	6.61	10.04
6-May	0.1	0.1	0.1	-0.2	-0.3	-0.4	-0.4	-0.3	-0.3	-0.2	0.1	0.5	0.6	0.6	1.2	1.6	1.7	1.3	1.1	1.2	1.0	0.8	0.7	0.7	0.47	1.70
7-May	1.0	0.9	0.2	-0.7	-1.8	-1.8	-1.4	0.0	2.2	4.2	5.2	6.0	7.2	8.2	8.4	8.8	7.5	6.7	5.9	5.6	5.4	5.0	4.4	3.3	3.76	8.79
8-May	2.3	2.0	2.0	1.4	0.8	0.6	0.8	2.0	3.8	5.0	6.3	8.0	9.4	10.5	11.2	11.6	12.2	12.7	12.5	12.2	11.2	9.2	7.5	7.2	6.76	12.65
9-May	7.0	6.3	5.9	4.3	5.2	5.1	4.9	7.0	9.0	11.7	13.7	14.7	15.4	15.7	15.9	16.2	16.2	16.0	15.2	14.2	12.5	10.7	9.4	8.2	10.84	16.18
10-May	7.1	5.9	4.5	2.9	2.0	1.3	2.0	4.3	6.4	9.0	11.0	12.2	13.1	13.9	14.5	15.0	15.2	15.1	14.6	13.5	11.6	9.5	7.7	6.3	9.11	15.20
11-May	5.7	4.9	4.2	4.3	3.7	3.3	3.6	6.1	8.8	9.7	10.4	10.9	11.5	11.9	12.6	13.5	13.8	13.8	13.5	12.9	11.3	9.7	8.2	6.8	8.95	13.76
12-May	5.6	5.5	5.0	4.1	3.7	3.7	3.1	5.0	8.7	11.4	12.6	13.5	14.4	15.1	15.6	15.9	16.0	16.0	15.7	14.8	13.0	11.3	9.9	8.2	10.32	15.98
13-May	7.2	6.4	5.9	5.5	5.0	3.6	2.6	5.6	9.1	11.2	12.5	13.6	14.3	14.6	15.1	15.2	15.4	15.4	15.0	14.0	12.5	10.7	9.2	7.7	10.30	15.43
14-May	7.1	6.4	5.4	4.5	3.6	2.7	3.6	7.8	10.6	12.1	12.7	13.6	14.3	15.0	15.7	15.8	16.0	15.7	15.7	14.6	12.8	10.6	10.1	10.1	10.69	15.97
15-May	9.1	8.4	6.9	6.4	7.3	7.7	8.1	9.6	11.3	13.0	14.6	15.7	15.8	16.0	15.4	15.3	14.9	15.2	15.1	15.2	14.9	14.3	13.5	12.2	12.34	16.02
16-May	11.4	10.2	9.9	10.2	9.4	9.3	9.3	7.3	5.7	5.3	5.0	4.2	4.3	5.2	6.7	8.7	10.5	11.2	10.8	9.9	8.4	6.6	5.8	4.9	7.93	11.36
17-May	3.6	2.8	1.6	0.8	-0.1	-0.9	-0.4	1.2	2.7	4.0	5.1	6.1	7.4	8.3	9.0	9.7	10.3	10.7	10.9	10.7	9.3	8.2	7.2	6.0	5.59	10.91
18-May	4.5	3.4	3.1	2.1	1.8	1.4	3.0	6.7	9.2	10.8	11.8	12.7	13.5	14.4	15.1	15.8	16.1	16.2	16.1	15.7	14.4	12.3	10.5	8.9	9.98	16.23
19-May	7.7	6.6	5.8	4.9	4.1	2.4	4.0	7.7	12.0	14.0	14.8	15.7	16.5	17.6	18.3	18.8	19.1	19.2	19.0	18.2	16.5	14.4	12.5	10.9	12.51	19.20
20-May	9.3	8.8	8.3	6.1	4.9	4.7	5.5	9.9	13.7	15.9	17.5	18.3	19.3	20.1	20.7	21.1	21.4	21.3	20.9	20.1	18.4	16.3	14.2	12.8	14.56	21.35
21-May	11.5	10.6	8.9	7.0	6.3	6.7	7.6	11.7	15.2	17.3	18.7	19.4	20.1	20.9	21.8	22.5	22.9	23.1	22.9	22.0	19.9	17.9	15.9	13.8	16.03	23.09
22-May	12.9	12.5	11.6	10.0	7.8	6.9	8.5	11.5	15.2	18.1	20.6	21.9	22.7	23.3	23.6	24.1	24.4	24.6	24.5	23.6	21.9	20.6	19.2	17.7	17.82	24.63
23-May	18.2	15.1	16.3	9.6	10.1	8.7	9.1	13.4	16.6	19.6	22.3	23.9	24.6	25.0	25.0	25.1	25.1	24.6	24.6	24.0	22.0	20.0	18.4	17.1	19.10	25.08
24-May	16.1	14.8	13.4	11.3	10.4	9.5	9.7	13.1	16.9	20.3	23.4	24.3	24.3	24.8	25.1	25.2	25.3	24.9	24.4	23.2	21.2	19.1	17.3	16.0	18.91	25.29
25-May	15.3	14.7	14.4	13.9	11.6	9.7	11.2	14.2	17.7	20.4	22.2	22.8	23.1	23.9	24.0	24.0	23.9	23.8	23.0	22.4	21.5	19.9	18.9	18.7	18.97	24.04
26-May	16.1	14.9	14.6	13.5	13.5	13.7	13.3	14.4	16.0	18.1	19.8	21.3	22.2	22.5	23.0	23.3	23.2	22.8	22.0	20.6	17.5	16.0	15.5	14.9	18.03	23.30
27-May	13.8	12.4	12.1	11.6	10.6	10.5	11.1	12.5	15.7	17.8	19.3	20.7	21.8	22.5	22.6	22.9	23.5	24.0	23.5	22.3	17.8	16.0	15.5	13.8	17.25	23.95
28-May	11.9	11.0	9.7	8.5	8.1	8.0	7.4	7.1	7.3	8.1	9.3	9.9	10.5	11.2	12.0	12.5	12.9	13.1	13.0	12.4	11.6	10.3	8.8	7.2	10.07	13.08
29-May	6.1	4.9	3.9	2.9	2.3	2.3	5.1	7.9	9.8	10.8	11.3	11.7	12.0	12.6	13.1	12.4	11.7	11.4	11.5	11.3	11.3	11.1	11.0	10.9	9.14	13.10
30-May	10.9	10.6	10.2	10.1	9.8	9.6	10.1	9.9	10.2	10.3	11.0	12.7	13.8	14.6	15.3	15.9	16.4	17.1	18.3	18.4	16.7	15.5	14.5	13.5	13.15	18.36
31-May	13.0	10.9	9.0	9.6	8.9	9.0	9.2	10.7	12.2	13.9	14.7	15.9	17.3	18.0	18.8	19.3	15.4	13.7	17.7	17.2	15.9	14.6	12.6	11.8	13.72	19.30
8.34 7.62 6.92 5.94 5.31 4.86 5.32 7.37 9.49 11.20 12.51 13.45 14.09 14.68 15.25 15.58 15.67 15.57 15.37 14.69 13.19 11.65 10.40 9.38																								Diurnal Average		
18.19 15.13 16.30 13.90 13.51 13.71 13.34 14.38 17.71 20.40 23.43 24.25 24.58 25.05 25.08 25.20 25.29 24.93 24.61 23.97 22.03 20.63 19.15 18.67																								Diurnal Maximum		



WCAS - Genesee
Summary of Hourly Averages

Delta Temperature (ET_D) - C
May 2015

Maximum Value: 5.04 C on May 23 03:00		Maximum Daily Average: 0.56 C on May 23		Hours in Service: 744																							
Minimum Value: -3.5 C on May 17 15:00		Minimum Daily Average: -1.20 C on May 17		Hours of Data: 744																							
Maximum Diurnal Average: 1.20 C at hour 1		Minimum Diurnal Average: -2.17 C at hour 14		Hours of Missing Data: 0																							
Monthly Average: -0.463 C		Percentiles: P ₁ = -3.2 P ₁₀ = -2.3 Q ₁ = -1.6 Median = -0.6 Q ₃ = 0.5 P ₉₀ = 1.8 P ₉₉ = 3.8		Hours of Calibration: 0																							
				Percent Operational Time: 100.0																							
Day	Hourly Period Ending At																								Daily Average	Daily Maximum	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1-May	2.1	1.7	2.2	1.1	0.9	0.0	-0.4	-0.6	-0.9	-1.3	-1.4	-1.8	-1.7	-1.4	-1.1	-1.4	-2.3	-1.8	-1.4	-0.1	0.2	0.1	0.5	0.9	-0.34	2.17	
2-May	0.0	0.4	0.2	0.2	0.2	0.1	-0.3	-0.8	-1.1	-1.4	-1.8	-1.8	-0.4	-0.8	-1.1	-1.5	-1.8	-1.2	-0.6	0.1	0.2	0.4	1.5	1.0	-0.45	1.50	
3-May	0.3	0.0	0.1	0.1	0.1	0.5	-1.0	-1.2	-1.3	-1.4	-2.1	-1.9	-2.5	-2.2	-2.9	-1.2	-1.6	-1.8	-1.6	-0.6	-0.2	0.0	-0.2	-0.1	-0.95	0.49	
4-May	-0.2	1.0	0.8	0.7	0.1	1.0	-0.6	-1.0	-1.6	-1.7	-2.1	-2.2	-2.6	-2.4	-2.1	-1.4	-0.9	-0.6	-0.5	-0.3	-0.3	-0.2	-0.1	-0.1	-0.72	1.03	
5-May	-0.1	-0.2	-0.3	-0.3	0.6	1.0	-0.3	-1.0	-1.3	-1.6	-1.5	-1.4	-1.5	-1.5	-1.5	-1.4	-1.3	-0.8	-0.6	-0.6	-0.6	-0.5	-0.4	-0.5	-0.73	0.98	
6-May	-0.5	-0.5	-0.4	-0.5	-0.5	-0.5	-0.5	-0.5	-0.6	-0.7	-0.8	-0.8	-1.0	-0.9	-0.9	-0.9	-0.9	-0.7	-0.6	-0.5	-0.3	-0.4	-0.8	-0.7	-0.64	-0.31	
7-May	-0.4	-0.4	0.0	0.5	0.5	0.0	-1.2	-2.2	-2.4	-2.6	-2.5	-2.0	-2.3	-2.5	-1.4	-1.1	-0.7	-0.6	-0.6	-0.5	0.1	0.0	0.2	0.8	-0.90	0.77	
8-May	0.9	0.6	1.1	0.8	1.3	0.8	-1.1	-2.3	-2.9	-3.3	-3.3	-2.6	-2.8	-2.1	-2.3	-1.5	-1.7	-1.6	-0.9	-0.3	2.2	2.8	1.6	2.6	-0.58	2.85	
9-May	2.6	2.2	2.3	1.8	2.2	1.2	-0.6	-1.6	-1.4	-1.6	-1.6	-1.5	-1.6	-1.7	-1.5	-1.5	-1.4	-1.1	-0.7	-0.2	0.4	0.8	0.5	0.7	-0.14	2.63	
10-May	1.3	0.6	0.2	0.0	0.0	-0.3	-0.9	-1.4	-1.7	-2.2	-2.3	-2.4	-2.4	-2.6	-2.8	-2.9	-2.4	-1.8	-1.1	-0.3	0.6	0.7	0.8	1.1	-0.92	1.30	
11-May	1.4	1.4	1.7	2.4	2.7	1.9	-0.7	-1.5	-1.5	-1.9	-2.3	-2.7	-3.0	-2.7	-2.8	-2.8	-2.5	-2.1	-1.3	-0.2	1.2	2.1	2.2	1.6	-0.39	2.73	
12-May	1.8	1.9	1.8	1.5	1.5	1.0	-0.4	-1.6	-1.4	-1.5	-1.9	-2.2	-2.5	-2.7	-2.8	-2.6	-2.2	-1.6	-0.8	0.1	1.7	2.7	2.0	1.8	-0.28	2.74	
13-May	1.9	2.0	2.2	1.9	2.3	0.8	-0.8	-1.4	-1.6	-1.9	-2.1	-2.3	-2.5	-2.4	-2.5	-2.0	-2.2	-1.9	-1.3	-0.3	0.7	1.3	1.4	1.4	-0.39	2.27	
14-May	1.3	0.8	1.0	1.0	0.9	0.5	-1.0	-1.0	-1.3	-1.7	-2.2	-2.6	-2.7	-3.0	-2.9	-1.7	-1.7	-1.2	-1.1	-0.3	0.7	2.1	2.0	2.3	-0.49	2.29	
15-May	1.5	0.9	0.0	0.1	0.1	-0.2	-0.4	-0.6	-1.1	-1.8	-2.3	-2.2	-2.4	-2.5	-1.5	-1.4	-1.6	-1.1	-0.4	-0.2	0.2	0.4	0.9	1.0	-0.61	1.52	
16-May	0.4	-0.3	-0.5	0.4	0.1	-0.5	-0.5	-0.6	-0.5	-0.5	-0.5	-0.7	-0.5	-0.5	-0.8	-0.9	-0.9	-1.0	-0.7	-0.3	0.8	2.1	0.4	0.1	-0.25	2.11	
17-May	0.3	0.2	0.3	0.2	0.2	-0.4	-1.3	-1.6	-2.0	-2.5	-2.8	-3.3	-3.4	-3.5	-3.5	-3.4	-3.1	-2.5	-1.7	-0.6	1.1	2.0	1.4	1.2	-1.20	2.04	
18-May	1.2	1.3	1.4	0.9	1.1	0.5	-0.5	-0.8	-1.3	-1.7	-2.1	-2.5	-2.7	-2.7	-2.9	-2.6	-2.3	-1.8	-1.0	0.0	1.2	1.7	1.7	1.9	-0.51	1.87	
19-May	2.5	1.6	1.5	1.6	1.6	0.2	-0.9	-1.0	-1.0	-1.5	-1.9	-2.5	-2.5	-2.7	-2.5	-2.3	-2.0	-1.5	-0.7	0.2	1.5	2.1	2.1	2.7	-0.23	2.74	
20-May	2.7	1.9	1.8	1.2	1.3	0.9	-1.0	-1.0	-0.9	-1.3	-1.6	-2.0	-2.2	-2.3	-2.3	-2.2	-1.8	-1.2	-0.6	0.3	1.7	2.2	2.0	2.5	-0.08	2.74	
21-May	2.5	1.9	1.9	1.3	1.3	0.8	-0.6	-0.6	-1.1	-1.3	-1.7	-2.2	-2.3	-2.5	-2.4	-2.3	-1.9	-1.2	-0.5	0.8	1.2	2.0	2.5	2.7	-0.06	2.73	
22-May	1.9	1.7	1.6	1.2	0.8	0.6	-1.0	-1.2	-1.1	-1.3	-1.6	-1.5	-1.9	-2.2	-2.0	-1.9	-1.6	-1.1	-0.5	-0.1	0.6	1.7	1.8	4.1	-0.12	4.11	
23-May	2.5	4.3	5.0	3.2	3.8	3.2	0.0	-1.6	-1.3	-1.3	-1.2	-1.4	-1.4	-1.8	-0.9	-0.6	-0.6	0.5	-0.2	0.4	0.4	0.5	0.4	1.3	0.56	5.04	
24-May	2.0	1.6	1.5	1.0	1.3	1.2	-0.8	-1.3	-1.4	-1.3	-1.4	-1.8	-1.7	-2.6	-2.4	-2.4	-2.0	-1.3	-0.4	0.5	3.2	2.0	1.9	2.6	-0.08	3.19	
25-May	2.9	2.8	2.8	2.1	2.4	0.8	-0.3	-0.9	-1.2	-1.5	-1.8	-1.4	-1.7	-2.6	-2.2	-1.7	-1.2	-1.1	-0.4	0.7	1.4	3.1	3.6	2.8	0.31	3.63	
26-May	5.0	3.8	4.4	2.0	3.0	1.0	-0.3	-0.9	-1.4	-1.6	-1.5	-1.7	-1.7	-1.8	-1.7	-1.4	-1.1	-0.5	-0.3	-0.2	-0.3	-0.3	-0.1	-0.2	0.10	5.01	
27-May	0.0	0.4	1.5	1.0	0.7	0.1	-1.0	-1.5	-1.8	-2.7	-2.6	-2.8	-2.9	-3.0	-2.1	-1.6	-1.3	-1.3	-0.4	0.4	-0.1	0.0	0.1	-0.1	-0.87	1.53	
28-May	-0.2	-0.5	-0.6	-0.5	-0.5	-0.6	-0.6	-0.7	-1.2	-1.4	-1.8	-1.9	-1.9	-1.9	-2.0	-2.0	-1.7	-1.6	-1.4	-0.3	0.9	0.3	0.3	0.1	-0.91	0.92	
29-May	0.0	0.0	0.1	0.0	0.0	-0.7	-1.2	-1.8	-2.1	-1.6	-1.7	-1.5	-1.8	-1.8	-1.5	-1.2	-0.7	-0.3	-0.5	-0.4	-0.4	-0.4	-0.3	-0.2	-0.83	0.08	
30-May	-0.2	-0.2	-0.2	-0.2	-0.2	-0.3	-0.9	-1.3	-1.5	-1.6	-2.4	-2.7	-2.5	-2.3	-2.9	-2.8	-2.0	-1.3	-1.1	-0.3	0.2	0.3	0.1	0.0	-1.10	0.30	
31-May	-0.1	-0.2	-0.5	0.5	0.0	-0.3	-0.8	-1.1	-2.0	-1.6	-1.6	-1.7	-1.7	-1.7	-1.7	-1.6	-1.6	-2.4	-0.7	-0.5	0.9	2.7	1.9	1.6	-0.60	2.68	
		1.20	1.06	1.12	0.87	0.96	0.46	-0.71	-1.19	-1.41	-1.65	-1.89	-2.01	-2.08	-2.17	-2.06	-1.82	-1.64	-1.28	-0.80	-0.12	0.68	1.11	1.03	1.19	Diurnal Average	
		5.01	4.33	5.04	3.18	3.84	3.24	0.02	-0.54	-0.50	-0.50	-0.52	-0.69	-0.44	-0.45	-0.84	-0.62	-0.59	0.47	-0.20	0.80	3.19	3.09	3.63	4.11	Diurnal Maximum	



WCAS - Genesee
Summary of Hourly Averages

Wind Speed (WS) - kph
May 2015

Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1 Spd	8.9	9.2	0.8	3.4	7.6	6.5	5.4	3.9	9.6	11.8	22.9	26.0	22.8	13.9	22.0	12.5	13.8	16.7	13.0	9.3	18.3	11.8	12.5	10.5	6.58	25.98
Dir	SW	SW	ESE	E	NNE	NE	E	NNE	NNE	N	N	NNW	NNW	NNW	NW	WNW	SW	WSW	WSW	WSW	NW	NW	SW	WSW	NW	NNW
2 Spd	15.1	9.8	13.9	16.2	17.6	15.4	14.8	22.2	24.8	28.2	27.2	27.1	24.8	26.0	20.3	27.8	22.1	23.2	16.7	16.7	19.3	10.0	7.6	12.4	17.12	28.17
Dir	W	W	W	WNW	WNW	WNW	W	WNW	WNW	WNW	WNW	NW	NW	NW	NNW	NW	WNW	NNW	N	NW	NNW	NE	WSW	WSW	NW	WNW
3 Spd	11.8	14.5	15.0	13.8	11.5	9.7	8.0	9.1	7.7	3.8	4.2	4.5	11.3	16.5	7.6	6.6	1.1	9.6	2.9	11.3	9.9	12.0	11.3	8.5	4.26	16.54
Dir	W	W	W	W	W	WSW	WSW	W	WNW	NW	WSW	W	WSW	SSW	SSW	NNW	W	W	SW	NE	NE	NE	ENE	ESE	W	SSW
4 Spd	5.0	3.8	6.3	7.5	7.5	7.0	6.3	6.5	6.0	4.3	6.2	7.7	12.4	15.8	12.9	14.3	17.5	23.9	24.9	21.1	23.8	23.7	23.4	22.8	12.41	24.95
Dir	E	ENE	ESE	E	E	ENE	ENE	ESE	SE	ESE	SE	ESE	ESE	E	ESE	E	E	ENE	ENE	ENE	ENE	E	E	E	E	ENE
5 Spd	17.7	17.5	15.8	12.2	9.5	11.7	10.6	11.8	13.5	8.9	8.9	12.6	18.0	21.7	23.1	27.2	25.9	28.3	27.6	28.2	25.0	26.0	27.3	24.6	13.59	28.26
Dir	E	E	E	ENE	NNE	NNE	NE	ENE	ENE	NE	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW	NW	NW	NW	N	NNW
6 Spd	22.2	22.4	23.8	23.6	21.1	22.3	24.4	26.4	27.9	28.6	29.0	29.0	27.5	27.3	25.0	24.0	23.6	20.0	15.0	13.2	14.2	7.6	9.3	11.4	20.83	29.05
Dir	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	WNW	WSW	WSW	NW	NW
7 Spd	13.1	12.8	10.9	7.7	5.4	6.6	11.2	10.4	9.1	5.4	5.4	2.8	2.5	3.2	6.0	10.6	8.7	9.5	11.3	3.9	6.5	7.3	8.6	9.2	3.97	13.12
Dir	W	W	WSW	WSW	WSW	SW	WSW	SW	WSW	SSW	SSW	SW	S	SE	NE	NE	N	N	NE	NE	W	W	WSW	WSW	W	W
8 Spd	7.4	7.2	6.6	6.3	5.8	11.0	10.7	11.0	10.5	10.1	10.0	5.2	4.8	2.7	4.7	6.9	4.7	3.1	5.2	4.0	6.0	7.0	7.2	12.2	4.93	12.22
Dir	SW	SW	W	WSW	WSW	WSW	WSW	SW	SW	SSW	S	SSW	SSW	ESE	W	NW	WNW	WNW	N	E	SE	SSE	SSW	SSW	SW	SSW
9 Spd	12.8	12.0	12.2	5.5	11.2	9.6	7.3	9.5	13.8	14.8	17.3	13.8	14.6	16.8	16.9	14.1	15.1	15.3	17.0	9.6	7.6	7.9	7.0	9.6	4.35	17.35
Dir	SSW	SSW	SSW	SSW	WSW	W	WSW	WSW	NW	NW	NNW	NNW	NNW	N	N	N	NNE	NE	NE	ENE	ENE	E	E	ESE	NNW	NNW
10 Spd	9.1	8.7	7.8	9.9	9.2	10.2	10.3	12.5	11.9	15.5	18.0	16.9	17.1	16.8	15.2	14.8	16.2	13.8	14.7	11.8	10.4	10.7	11.2	10.3	12.45	17.96
Dir	ESE	ESE	E	E	E	E	E	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	E	E	ESE	ESE	ESE	ESE	ESE
11 Spd	10.1	10.0	10.6	9.0	7.3	6.7	9.1	13.3	20.4	26.1	21.4	20.1	17.8	17.9	14.1	15.0	12.2	13.3	12.7	12.8	10.7	8.7	6.3	5.6	12.21	26.13
Dir	SE	SE	SSE	S	SSE	SSW	SSW	S	SSE	SSE	SSE	SSE	S	SSE	SSE	S	SE	SE	ESE	SE	ESE	SE	SE	SSE	SSE	SSE
12 Spd	4.7	7.0	7.1	5.1	1.7	3.3	0.5	3.3	10.4	21.4	26.4	27.0	25.1	24.7	22.4	22.8	22.9	22.9	21.8	18.7	13.0	8.8	10.7	10.1	13.53	26.95
Dir	S	SSW	SSW	SSW	SSW	SSW	E	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SE	SE	SE	SE	SE
13 Spd	11.8	9.7	12.4	11.8	8.2	7.6	7.9	9.1	9.9	18.9	25.3	26.3	26.1	24.0	22.0	21.4	19.7	19.3	19.6	18.7	14.2	10.8	10.3	9.0	15.09	26.30
Dir	SE	SE	SSE	SSE	SE	E	ENE	ESE	E	ESE	SE	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE
14 Spd	11.5	12.7	9.8	9.4	6.9	6.4	7.9	13.8	19.4	22.2	21.7	20.4	21.5	18.8	18.8	20.7	22.0	25.6	23.6	21.8	17.6	8.7	13.6	10.9	14.77	25.59
Dir	SE	SE	SE	SE	ESE	E	E	SE	SE	SE	SE	ESE	SE	SE	SE	SE	SSE	S	SSE	S	S	S	S	SSE	SE	S
15 Spd	7.9	6.4	9.5	9.8	10.3	8.1	9.6	13.0	20.6	25.0	29.2	30.7	30.4	27.6	26.2	27.0	25.6	18.9	17.7	9.7	8.7	7.4	6.7	4.8	15.29	30.75
Dir	ESE	ESE	E	E	ESE	ESE	ESE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SSE	SE	SE	ESE	ESE	ESE	SE	SSE
16 Spd	6.3	5.1	9.1	2.7	3.0	7.6	25.5	33.4	30.1	27.8	28.6	25.7	26.5	24.2	17.1	14.3	22.7	22.5	19.3	16.9	12.8	13.7	15.5	11.9	15.15	33.43
Dir	SSW	SSW	WSW	W	SW	WNW	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNW	N	NNE	NNE	NE	NNE	NNE	NNE	NE	NNE	NNE
17 Spd	5.7	5.0	6.8	6.4	6.4	6.7	7.0	13.3	14.4	12.9	13.0	13.4	13.7	14.1	13.6	15.9	16.6	17.7	16.4	14.9	12.4	8.2	8.4	6.7	10.84	17.74
Dir	ENE	E	E	ESE	ESE	E	E	ESE	SE	ESE	ESE	SE	ESE	SE	SE	SE	SE	SE	SE	SE	SSE	SE	ESE	ESE	ESE	SE
18 Spd	6.7	6.6	8.6	7.7	8.5	9.1	9.3	16.4	22.1	28.0	27.5	26.0	26.0	23.7	24.2	24.3	22.0	20.9	21.7	18.2	12.3	11.8	10.8	9.7	16.32	27.98
Dir	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SSE	SE	SE	SE	SE	SSE	SSE	SE	SE	SE	SE	SE	ESE	ESE	SE	SE	SSE
19 Spd	8.8	7.0	7.4	7.9	6.6	9.4	6.2	9.5	16.4	26.8	28.5	26.1	25.7	23.0	25.8	27.1	24.5	22.8	22.6	19.2	12.9	11.7	10.4	9.4	15.70	28.52
Dir	SE	ESE	ESE	ESE	ESE	E	ESE	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	ESE	SE	SE	SSE	SSE
20 Spd	7.8	6.1	6.8	6.1	6.5	6.6	5.6	9.5	20.2	29.5	35.4	31.8	28.2	31.9	29.1	27.7	27.2	28.0	25.2	21.4	13.3	11.9	10.6	10.0	17.28	35.40
Dir	SE	SE	ESE	ENE	E	ENE	E	ESE	SE	SSE	SSE	SSE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	ESE	SE	SE	SE	SSE
21 Spd	8.4	7.2	6.0	6.9	5.7	5.7	7.0	14.6	19.9	25.1	32.5	26.0	27.5	26.3	24.3	23.2	21.7	21.6	16.7	12.3	8.1	9.1	7.7	7.5	14.58	32.53
Dir	SE	ESE	E	ENE	E	ESE	ESE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	SSE	SE	SE	ESE	ESE	SE	SE	SE	SSE
22 Spd	5.2	3.8	3.2	3.9	4.1	2.2	1.8	2.3	3.4	4.7	7.2	7.6	10.0	9.7	6.0	8.0	5.2	6.5	4.4	7.9	4.4	5.5	2.6	6.3	4.22	10.02
Dir	SE	SE	ESE	E	E	ENE	ENE	ESE	NNE	NNE	ESE	E	ESE	ESE	SE	SE	ENE	ENE	E	E	E	ESE	S	SW	ESE	ESE



WCAS - Genesee
Summary of Hourly Averages

Wind Speed (WS) - kph
May 2015

Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																																																																																						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																																																																																								
23 Spd	1.9	0.4	5.6	0.4	0.6	0.1	1.0	5.4	1.7	1.2	2.6	6.7	8.1	9.0	7.0	10.9	8.5	7.6	11.0	6.8	6.2	7.6	7.7	3.7	3.62	10.98																																																																																						
Dir	WSW	W	NNW	S	WNW	SSW	SSW	WSW	SSW	ENE	NE	ENE	NNE	ESE	E	E	E	ESE	ENE	E	ENE	ENE	ENE	ESE	E	ENE																																																																																						
24 Spd	5.0	4.7	2.8	0.7	3.6	4.3	2.1	3.6	4.4	5.7	10.4	20.0	18.2	22.3	23.8	18.7	19.7	22.0	19.2	15.9	8.3	4.3	4.1	5.0	8.83	23.77																																																																																						
Dir	E	E	E	SE	NNE	NNE	ENE	E	ESE	ESE	SE	SSE	SSE	S	S	SSE	SSE	S	S	S	SSE	SSE	S	SSW	SSE	S																																																																																						
25 Spd	7.5	9.9	9.1	8.1	0.9	0.8	0.2	0.3	1.1	3.3	12.0	15.1	12.7	11.1	6.9	9.6	10.8	10.7	12.2	7.6	3.4	3.5	4.1	1.5	2.65	15.09																																																																																						
Dir	SW	SW	SW	SW	W	E	ENE	E	SSE	SE	SE	SSE	SSE	S	SE	NNE	NNE	E	NNE	SE	SSE	NE	NNE	NW	SE	SSE																																																																																						
26 Spd	4.9	4.8	6.6	11.4	9.5	14.5	18.7	18.7	17.2	16.1	14.3	15.9	16.5	16.0	15.1	13.3	15.2	12.7	13.3	16.3	19.4	18.7	7.6	9.0	11.23	19.38																																																																																						
Dir	NW	NNW	W	WNW	NW	NW	NNW	NNW	NNW	N	N	N	N	NNW	NNW	N	N	NNE	N	NW	W	W	WNW	WSW	NNW	W																																																																																						
27 Spd	13.4	10.5	5.1	6.1	4.6	10.3	9.7	12.0	6.5	8.7	13.3	11.9	7.9	9.1	8.0	7.7	4.1	6.2	8.3	10.9	27.1	15.2	14.5	24.2	7.15	27.10																																																																																						
Dir	SW	SW	NW	WSW	SW	WSW	SW	WSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SSW	W	W	WNW	WNW	WNW	W	WNW	NNE	WSW	WNW																																																																																						
28 Spd	21.9	24.1	26.5	23.9	17.6	17.3	20.4	20.6	19.7	17.2	17.4	15.6	13.8	12.2	11.0	11.3	10.2	8.2	7.4	6.4	5.2	4.9	5.8	7.1	13.60	26.49																																																																																						
Dir	NNE	N	N	NNE	NNE	NNE	NNE	NNE	N	NNE	N	NNE	NE	NE	NE	NE	NNE	ENE	E	ENE	NE	ENE	ENE	ENE	NNE	N																																																																																						
29 Spd	6.4	6.3	8.1	9.6	7.8	7.9	8.9	12.3	16.9	19.5	20.4	19.5	20.2	18.4	17.1	21.5	16.3	13.3	14.6	13.7	12.2	13.1	11.7	13.1	12.67	21.51																																																																																						
Dir	E	ENE	ENE	ENE	E	ENE	ESE	ESE	SE	SE	ESE	ESE	ESE	ESE	ESE	SSE	SE	E	E	E	E	E	E	ESE	ESE	SSE																																																																																						
30 Spd	15.7	16.9	15.4	16.5	12.1	16.4	18.0	17.4	18.9	18.3	19.5	20.1	23.4	24.5	24.6	26.9	26.9	22.2	21.8	21.1	15.8	15.8	13.2	12.0	18.43	26.90																																																																																						
Dir	ESE	ESE	ESE	ESE	ESE	ESE	SE	ESE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	ESE	E	ESE	E	ESE	ESE	SE																																																																																						
31 Spd	11.9	12.7	4.6	12.0	13.7	9.8	8.6	9.1	7.4	9.8	8.5	5.5	5.5	4.9	9.1	11.2	19.0	5.5	13.1	11.5	8.7	10.7	10.5	4.2	6.14	19.02																																																																																						
Dir	ESE	NW	SE	W	WNW	W	W	W	WSW	WNW	NW	NW	N	NNW	NNW	N	N	NNE	N	NNE	N	N	N	SW	NNW	N																																																																																						
Spd	2.76	1.24	1.19	0.81	1.04	1.37	1.47	1.93	3.41	5.71	6.89	6.44	6.75	7.01	5.98	5.80	5.93	6.21	6.72	5.62	2.66	3.66	3.05	3.20	Diurnal Average																																																																																							
Dir	SSE	SSE	SE	E	NE	NNE	NE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	E	E	ESE	SE																																																																																								
Spd	22.21	24.12	26.49	23.88	21.14	22.31	25.47	33.43	30.06	29.50	35.40	31.80	30.40	31.94	29.07	27.78	27.15	28.26	27.64	28.22	27.10	25.98	27.34	24.57	Diurnal Maximum																																																																																							
Dir	320.95	8.66	11.17	12.53	321.52	316.16	23.59	24.04	20.70	147.98	155.69	157.73	155.19	162.96	157.09	307.01	146.96	329.32	331.13	329.62	295.18	311.67	312.36	319.64																																																																																								
Maximum Speed Value: 35.4 kph on May 20 11:00 Maximum Daily Speed Average: 20.83 kph on May 6 Maximum Diurnal Speed Average: 7.01 kph at hour 14																					Minimum Speed Value: 0.1 kph on May 23 06:00 Minimum Daily Speed Average: 2.65 kph on May 23 Minimum Diurnal Speed Average: 0.81 kph at hour 4		Hours in Service: 744 Hours of Data: 744 Hours of Missing Data: 0																																																																																									
Monthly Average Velocity: 3.772 kph 117.96 deg All monthly, daily, and diurnal averages have been calculated using vector methods																					Speed Percentiles: P ₁ = 0.6 P ₁₀ = 4.8 Q ₁ = 7.5 Median = 11.8 Q ₃ = 18.8 P ₉₀ = 24.9 P ₉₉ = 30.1		Percent Operational Time: 100.0																																																																																									
Frequency Distribution																																																																																																																
<table border="1"> <thead> <tr> <th rowspan="2">Direction</th> <th colspan="7">Speed Range (kph)</th> <th rowspan="2">Total</th> </tr> <tr> <th>0 to 5</th> <th>5 to 11</th> <th>11 to 19</th> <th>19 to 28</th> <th>28 to 38</th> <th>> 38</th> <th></th> </tr> </thead> <tbody> <tr> <td>North</td> <td>4</td> <td>12</td> <td>31</td> <td>19</td> <td>2</td> <td>0</td> <td>68</td> </tr> <tr> <td>NorthEast</td> <td>7</td> <td>22</td> <td>18</td> <td>4</td> <td>1</td> <td>0</td> <td>52</td> </tr> <tr> <td>East</td> <td>26</td> <td>78</td> <td>40</td> <td>8</td> <td>0</td> <td>0</td> <td>152</td> </tr> <tr> <td>SouthEast</td> <td>8</td> <td>66</td> <td>62</td> <td>74</td> <td>7</td> <td>0</td> <td>217</td> </tr> <tr> <td>South</td> <td>10</td> <td>16</td> <td>9</td> <td>21</td> <td>4</td> <td>0</td> <td>60</td> </tr> <tr> <td>SouthWest</td> <td>11</td> <td>37</td> <td>15</td> <td>0</td> <td>0</td> <td>0</td> <td>63</td> </tr> <tr> <td>West</td> <td>10</td> <td>26</td> <td>22</td> <td>2</td> <td>0</td> <td>0</td> <td>60</td> </tr> <tr> <td>NorthWest</td> <td>5</td> <td>11</td> <td>17</td> <td>33</td> <td>6</td> <td>0</td> <td>72</td> </tr> <tr> <td>Total</td> <td>81</td> <td>268</td> <td>214</td> <td>161</td> <td>20</td> <td>0</td> <td>744</td> </tr> </tbody> </table>																									Direction	Speed Range (kph)							Total	0 to 5	5 to 11	11 to 19	19 to 28	28 to 38	> 38		North	4	12	31	19	2	0	68	NorthEast	7	22	18	4	1	0	52	East	26	78	40	8	0	0	152	SouthEast	8	66	62	74	7	0	217	South	10	16	9	21	4	0	60	SouthWest	11	37	15	0	0	0	63	West	10	26	22	2	0	0	60	NorthWest	5	11	17	33	6	0	72	Total	81	268	214	161	20	0	744
Direction	Speed Range (kph)							Total																																																																																																								
	0 to 5	5 to 11	11 to 19	19 to 28	28 to 38	> 38																																																																																																										
North	4	12	31	19	2	0	68																																																																																																									
NorthEast	7	22	18	4	1	0	52																																																																																																									
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SouthEast	8	66	62	74	7	0	217																																																																																																									
South	10	16	9	21	4	0	60																																																																																																									
SouthWest	11	37	15	0	0	0	63																																																																																																									
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WCAS - Genesee
Summary of Hourly Averages

Relative Humidity (RH) - %
May 2015

Maximum Value: 95.31 % on May 6 05:00 Maximum Daily Average: 92.24 % on May 6																							Hours in Service: 744																									
Minimum Value: 13.5 % on May 22 19:00 Minimum Daily Average: 30.24 % on May 22																							Hours of Data: 744																									
Maximum Diurnal Average: 70.87 % at hour 5 Minimum Diurnal Average: 32.18 % at hour 19																							Hours of Missing Data: 0																									
Monthly Average: 48.985 % Percentiles: P₁ = 15.7 P₁₀ = 21.6 Q₁ = 30.7 Median = 48.3 Q₃ = 64.2 P₉₀ = 80.7 P₉₉ = 95.0																							Hours of Calibration: 0																									
																							Percent Operational Time: 100.0																									
Day	Hourly Period Ending At																								Daily Average	Daily Maximum																						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																								
1-May	75.2	76.2	78.2	78.3	81.0	73.4	72.5	67.3	58.0	51.4	50.3	52.0	52.6	45.0	39.9	53.0	43.8	37.8	39.6	47.8	61.7	75.6	83.3	83.6	61.57	83.56																						
2-May	80.5	72.4	68.7	64.7	63.0	63.3	62.9	57.1	54.2	49.6	44.0	42.7	66.1	60.1	52.2	41.7	40.3	40.1	57.3	54.5	60.3	77.2	83.8	85.8	60.11	85.79																						
3-May	82.5	78.2	81.5	84.0	85.6	85.9	77.0	73.9	71.4	62.2	49.9	40.8	32.9	56.3	34.5	33.4	30.4	25.2	22.7	40.8	48.7	59.2	66.9	71.7	58.15	85.94																						
4-May	73.2	74.2	71.4	69.6	72.8	75.9	72.6	70.2	58.5	52.8	44.7	40.8	34.2	31.4	28.8	27.9	27.9	35.3	36.1	37.0	38.1	40.9	44.7	50.1	50.37	75.88																						
5-May	55.7	59.0	61.5	63.5	66.7	72.6	65.7	61.0	58.8	55.5	52.3	50.8	50.4	51.5	52.7	54.7	55.7	59.3	62.0	68.6	79.6	85.1	92.7	94.3	63.73	94.30																						
6-May	94.9	95.1	95.2	95.3	95.3	95.3	95.2	95.1	94.8	94.5	93.5	91.6	89.9	91.5	88.7	87.4	86.0	88.4	90.5	91.0	90.5	91.5	91.3	91.2	92.24	95.31																						
7-May	89.5	88.1	87.3	89.9	90.8	90.6	78.9	74.1	72.1	62.8	53.5	47.5	45.6	42.4	42.7	43.1	54.2	55.8	57.0	59.7	64.6	68.8	75.5	87.6	67.58	90.80																						
8-May	89.8	92.1	92.0	93.0	93.3	93.8	84.4	74.8	70.1	65.5	61.2	48.6	37.5	31.0	27.1	24.9	23.8	21.9	22.6	25.7	32.5	50.0	54.6	57.9	56.99	93.79																						
9-May	64.3	70.2	73.2	75.3	70.9	63.5	53.2	48.6	46.3	39.4	31.3	29.1	27.1	27.0	26.9	27.4	28.7	29.1	27.6	28.5	34.0	39.0	39.5	48.3	43.68	75.34																						
10-May	60.6	60.9	63.8	69.9	77.2	81.3	76.1	68.8	65.7	57.6	48.8	38.7	33.5	29.6	24.4	20.8	19.9	18.9	18.6	19.6	24.5	30.1	36.1	43.0	45.35	81.31																						
11-May	48.0	50.3	54.5	59.3	65.5	64.3	48.0	38.2	32.3	30.3	28.0	25.8	24.2	23.5	23.7	23.7	22.7	19.3	19.1	21.3	29.3	39.0	46.9	51.0	37.02	65.51																						
12-May	52.6	59.0	58.4	57.7	56.7	56.1	51.2	48.7	37.9	26.5	24.9	24.3	23.6	22.9	21.9	21.3	21.2	19.7	18.8	20.7	29.3	39.2	42.0	46.0	36.70	59.04																						
13-May	50.8	54.4	58.3	60.1	63.8	59.0	55.1	48.4	41.6	35.5	32.2	29.4	27.3	26.5	25.5	25.5	24.0	22.7	22.7	26.0	32.5	39.8	45.1	51.5	39.90	63.84																						
14-May	57.4	58.5	63.7	68.2	71.3	70.7	65.7	51.2	39.7	32.5	31.9	30.4	28.5	27.7	27.3	28.6	28.3	30.2	28.5	36.0	52.4	67.4	74.2	75.2	47.73	75.17																						
15-May	80.1	77.9	79.1	82.6	83.6	81.0	77.5	66.6	60.6	57.1	48.9	44.4	43.3	40.6	45.4	49.1	49.6	49.9	54.5	56.0	57.6	61.4	65.5	72.4	61.86	83.64																						
16-May	74.9	75.3	77.6	77.8	81.6	82.7	84.6	88.3	89.1	90.2	88.6	89.9	88.3	80.0	68.4	54.4	35.4	27.4	27.2	27.1	33.9	45.2	41.8	43.6	65.55	90.19																						
17-May	49.8	55.5	59.6	64.9	68.2	65.9	61.0	56.2	51.9	50.1	45.7	42.6	39.7	37.2	35.4	34.3	32.5	29.5	28.4	28.9	38.6	52.0	52.3	56.3	47.36	68.24																						
18-May	59.6	66.6	66.4	65.0	66.2	63.2	52.5	41.9	34.4	30.8	26.5	25.5	23.3	22.7	21.6	21.7	20.7	19.1	18.8	20.0	25.3	34.4	39.6	44.9	37.94	66.55																						
19-May	49.8	51.9	49.8	54.6	58.8	55.7	46.8	38.8	32.0	27.1	24.7	23.4	21.4	20.6	19.5	18.5	19.5	17.2	16.8	17.0	22.4	31.6	37.4	46.1	33.40	58.80																						
20-May	50.7	50.6	50.9	52.9	58.2	57.4	50.9	41.9	31.1	26.7	21.0	18.9	18.1	15.9	17.4	18.0	18.1	16.4	15.6	17.1	22.2	30.9	36.6	41.3	32.45	58.21																						
21-May	44.2	44.0	45.0	51.8	56.2	51.9	46.9	38.2	31.3	28.5	23.3	22.3	19.9	19.9	19.2	18.6	16.9	15.7	15.3	17.5	23.4	30.2	36.8	46.2	31.80	56.18																						
22-May	46.8	45.8	46.8	49.0	54.4	57.6	46.1	39.2	32.7	30.7	26.2	20.5	19.7	18.7	17.5	16.7	15.8	13.7	13.5	16.2	18.3	22.2	25.1	32.8	30.24	57.55																						
23-May	29.3	35.8	34.4	56.1	65.1	68.6	59.1	40.6	31.0	29.8	23.8	18.3	14.6	15.3	15.9	17.1	19.3	17.0	18.0	20.5	25.5	29.3	35.0	30.60	68.56																							
24-May	39.9	43.2	45.2	54.2	58.0	60.4	53.1	45.2	38.6	33.6	25.2	18.5	18.1	16.3	16.7	16.6	16.3	16.0	16.6	19.4	28.6	35.5	41.3	48.5	33.53	60.40																						
25-May	50.0	51.4	51.6	50.8	56.7	58.9	52.4	41.9	35.5	33.6	28.6	24.3	24.0	21.6	20.7	21.7	22.4	20.9	23.6	29.4	31.5	39.6	42.7	39.8	36.40	58.93																						
26-May	57.0	59.4	64.3	65.0	67.0	67.6	67.9	61.4	54.4	48.0	40.3	34.8	32.3	31.7	31.0	29.8	30.4	32.2	36.1	41.7	50.7	56.8	59.7	63.8	49.30	67.86																						
27-May	71.3	81.8	85.6	85.3	83.9	87.5	83.0	73.5	59.6	48.3	42.2	36.0	32.5	30.7	31.4	31.0	31.0	26.2	28.5	35.0	53.6	61.8	65.1	61.9	55.28	87.52																						
28-May	65.5	71.4	76.6	75.0	76.2	77.8	76.1	73.0	65.9	52.5	45.5	37.7	31.7	27.3	25.4	25.6	24.7	25.6	24.5	27.3	33.5	37.2	43.4	50.9	48.76	77.79																						
29-May	53.8	58.1	63.2	67.8	70.4	68.8	59.8	50.3	44.6	43.5	39.6	39.4	38.1	37.0	36.7	41.7	47.5	53.2	50.0	49.7	48.7	48.7	47.1	45.7	50.14	70.43																						
30-May	45.3	46.6	48.7	49.6	51.0	53.3	47.7	51.8	53.8	57.3	53.5	49.1	44.2	42.8	39.9	40.4	40.0	38.7	33.7	32.9	38.1	41.0	43.3	46.7	45.38	57.30																						
31-May	51.1	76.9	87.1	87.7	87.3	87.9	84.5	79.9	70.3	66.7	63.2	59.3	50.0	47.8	43.7	40.6	61.9	76.0	54.6	54.1	60.4	71.4	76.4	79.5	67.42	87.93																						
																							61.09	63.89	65.79	68.35	70.87	70.71	64.79	58.26	52.20	47.43	42.37	38.63	36.54	35.24	32.95	32.52	32.47	32.29	32.18	34.99	41.46	49.29	53.54	57.82	Diurnal Average	
																							94.90	95.07	95.16	95.26	95.31	95.30	95.21	95.10	94.84	94.47	93.50	91.57	89.92	91.55	88.73	87.38	85.99	88.41	90.55	90.98	90.51	91.52	92.70	94.30	Diurnal Maximum	



WCAS - Genesee
Summary of Hourly Averages

Global Solar Radiation (GSR) - W/m2
May 2015

Maximum Value: 932.13 W/m2 on May 24 14:00 Maximum Daily Average: 345.84 W/m2 on May 20																							Hours in Service: 744 Hours of Data: 744			
Minimum Value: 0.0 W/m2 on May 1 01:00 Minimum Daily Average: 92.65 W/m2 on May 16 Maximum Diurnal Average: 730.69 W/m2 at hour 13 Minimum Diurnal Average: 0.00 W/m2 at hour 1 Monthly Average: 273.87 W/m2 Percentiles: P ₁ = 0.0 P ₁₀ = 0.0 Q ₁ = 0.0 Median = 148.7 Q ₃ = 509.1 P ₉₀ = 790.0 P ₉₉ = 904.5																							Hours of Missing Data: 0 Hours of Calibration: 0 Percent Operational Time: 100.0			
Day	Hourly Period Ending At																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-May	0.0	0.0	0.0	0.0	0.0	1.9	24.3	102.0	215.9	402.0	409.4	660.8	605.8	403.4	228.7	376.8	344.6	248.9	173.5	43.5	1.4	0.0	0.0	0.0	176.79	660.79
2-May	0.0	0.0	0.0	0.0	0.0	6.4	138.9	344.2	444.3	576.9	670.4	645.8	303.0	442.3	479.1	556.3	523.8	322.1	147.0	42.2	4.0	0.0	0.0	0.0	235.28	670.40
3-May	0.0	0.0	0.0	0.0	0.0	18.5	134.6	317.1	480.6	614.8	751.4	702.8	548.5	613.1	751.1	432.1	332.3	302.7	236.0	84.7	4.9	0.0	0.0	0.0	263.54	751.43
4-May	0.0	0.0	0.0	0.0	0.0	16.4	112.3	148.7	347.6	590.4	654.1	731.3	804.9	752.9	544.5	394.7	300.2	173.7	114.2	39.9	3.8	0.0	0.0	0.0	238.74	804.89
5-May	0.0	0.0	0.0	0.0	0.0	10.0	73.1	251.8	432.2	556.8	623.8	381.9	385.3	394.2	391.8	376.7	294.5	94.5	33.1	17.3	0.4	0.0	0.0	0.0	179.89	623.82
6-May	0.0	0.0	0.0	0.0	0.0	2.7	32.0	86.9	148.8	294.0	423.5	407.6	342.7	257.2	271.6	275.4	262.0	130.2	79.6	34.7	3.2	0.0	0.0	0.0	127.17	423.50
7-May	0.0	0.0	0.0	0.0	0.0	40.4	180.3	358.7	524.1	647.9	791.6	796.1	856.8	722.5	373.0	305.3	97.1	84.0	81.2	61.4	4.1	0.0	0.0	0.0	246.85	856.83
8-May	0.0	0.0	0.0	0.0	0.0	37.2	173.8	318.5	492.8	632.4	736.3	696.2	899.0	834.0	792.3	657.3	446.2	337.5	247.8	102.2	13.5	0.0	0.0	0.0	309.04	898.99
9-May	0.0	0.0	0.0	0.0	0.0	30.2	156.4	328.2	494.1	635.2	729.4	756.2	790.8	855.4	727.3	679.2	456.7	301.6	240.2	99.4	16.2	0.0	0.0	0.0	304.02	855.37
10-May	0.0	0.0	0.0	0.0	0.0	31.6	163.6	304.1	424.4	635.3	754.2	788.7	810.5	840.5	783.2	692.0	462.1	310.0	252.6	108.1	13.3	0.0	0.0	0.0	307.27	840.54
11-May	0.0	0.0	0.0	0.0	0.0	38.1	179.1	352.8	515.7	651.3	730.7	791.8	763.3	632.0	722.6	696.3	466.5	315.5	260.5	113.3	19.8	0.0	0.0	0.0	302.05	791.78
12-May	0.0	0.0	0.0	0.0	0.0	34.2	170.1	344.1	509.8	652.6	768.9	846.7	878.0	860.7	792.1	698.4	473.9	316.3	258.2	113.7	20.2	0.0	0.0	0.0	322.42	877.99
13-May	0.0	0.0	0.0	0.0	0.0	38.7	177.6	351.8	514.4	652.7	764.1	816.3	851.9	740.4	690.6	562.7	442.7	344.8	279.5	112.4	20.9	0.0	0.0	0.0	306.73	851.94
14-May	0.0	0.0	0.0	0.0	0.0	40.9	194.4	347.9	508.5	645.7	762.3	836.4	869.4	841.1	801.2	439.1	405.6	319.0	262.9	115.1	21.7	0.0	0.0	0.0	308.80	869.38
15-May	0.0	0.0	0.0	0.0	0.0	5.8	64.2	185.5	343.5	559.6	771.3	754.4	727.4	657.4	318.0	283.5	317.3	192.9	78.1	53.5	8.6	0.0	0.0	0.0	221.70	771.30
16-May	0.0	0.0	0.0	0.0	0.0	3.5	18.6	34.6	23.5	26.8	47.1	69.3	137.3	180.4	266.1	339.4	302.4	377.4	251.6	124.8	20.9	0.0	0.0	0.0	92.65	377.41
17-May	0.0	0.0	0.0	0.0	0.1	57.6	204.2	372.8	539.1	682.5	805.5	878.4	904.4	889.0	819.2	720.5	461.0	366.8	290.9	137.5	33.7	0.0	0.0	0.0	340.13	904.37
18-May	0.0	0.0	0.0	0.0	0.7	57.7	207.7	385.1	546.0	673.5	802.6	874.7	902.4	840.1	822.3	727.3	464.7	362.4	285.9	136.4	34.2	0.0	0.0	0.0	338.48	902.42
19-May	0.0	0.0	0.0	0.0	0.8	63.8	215.3	390.7	553.1	693.7	805.3	876.6	906.8	891.7	827.0	735.0	470.2	369.6	292.8	140.6	35.9	0.0	0.0	0.0	344.54	906.76
20-May	0.0	0.0	0.0	0.0	1.2	67.0	219.7	392.1	552.2	693.6	809.4	882.2	912.3	902.7	830.4	729.3	458.9	372.2	295.8	143.9	37.3	0.0	0.0	0.0	345.84	912.31
21-May	0.0	0.0	0.0	0.0	1.6	66.0	216.4	390.3	551.5	691.2	804.4	877.8	910.0	892.5	824.8	730.1	453.0	379.1	297.2	116.6	19.4	0.0	0.0	0.0	342.56	909.97
22-May	0.0	0.0	0.0	0.0	1.7	64.9	214.1	387.9	544.7	681.4	797.5	863.0	894.6	882.9	820.5	727.6	418.5	387.2	298.1	143.4	37.8	0.1	0.0	0.0	340.24	894.56
23-May	0.0	0.0	0.0	0.0	1.6	63.3	209.5	378.8	536.8	672.3	780.0	838.0	865.2	836.0	542.0	395.1	304.0	192.6	235.3	131.6	31.0	0.4	0.0	0.0	292.22	865.15
24-May	0.0	0.0	0.0	0.0	1.4	52.4	186.7	353.4	508.1	637.9	746.7	854.0	730.9	932.1	838.8	775.4	478.4	405.3	271.9	152.6	21.2	0.0	0.0	0.0	331.13	932.13
25-May	0.0	0.0	0.0	0.0	1.3	50.5	176.5	360.5	520.6	656.4	779.2	620.9	610.9	861.7	673.9	745.2	381.3	372.1	163.1	107.9	38.2	0.1	0.0	0.0	296.68	861.66
26-May	0.0	0.0	0.0	0.0	1.0	35.6	101.5	301.1	512.8	644.1	751.2	814.1	853.7	846.3	800.7	616.4	341.9	207.4	150.9	62.5	17.3	0.0	0.0	0.0	294.10	853.67
27-May	0.0	0.0	0.0	0.0	4.0	42.0	105.9	219.9	428.1	644.8	680.6	823.1	900.9	905.0	608.2	445.7	329.1	416.2	202.7	49.7	11.0	0.5	0.0	0.0	284.06	904.97
28-May	0.0	0.0	0.0	0.0	0.4	8.9	29.6	72.1	249.9	463.9	786.1	870.7	913.0	904.7	834.0	742.8	402.2	428.1	307.2	105.6	37.0	0.2	0.0	0.0	298.18	913.01
29-May	0.0	0.0	0.0	0.0	5.9	97.0	215.6	400.6	409.7	292.4	329.0	286.9	367.4	356.9	284.3	175.8	115.3	68.2	59.0	26.2	4.8	0.0	0.0	0.0	145.62	409.71
30-May	0.0	0.0	0.0	0.0	0.5	36.0	178.4	224.6	253.5	272.3	481.2	635.9	509.4	512.7	691.0	617.8	417.2	317.4	295.0	126.2	19.6	0.4	0.0	0.0	232.87	691.00
31-May	0.0	0.0	0.0	0.0	2.1	59.3	161.0	322.7	564.0	671.1	822.4	881.6	895.3	870.2	767.5	731.5	194.5	215.6	311.3	163.6	54.3	1.7	0.0	0.0	320.39	895.29
																							Diurnal Average			
																							Diurnal Maximum			



WCAS - Genesee
Summary of Hourly Averages

Precipitation (PR) - mm
May 2015

Maximum Value: 0.10 mm on May 2 12:00		Maximum Daily Total: 0.60 mm on May 31		Hours in Service: 744																						
Minimum Value: 0.0 mm on May 1 01:00		Minimum Daily Total: 0.00 mm on May 1		Hours of Data: 744																						
Maximum Diurnal Total: 0.20 mm at hour 6		Minimum Diurnal Total: 0.00 mm at hour 1		Hours of Missing Data: 0																						
Monthly Total: 1.400 mm		Percentiles: P ₁ = 0.0 P ₁₀ = 0.0 Q ₁ = 0.0 Median = 0.0 Q ₃ = 0.0 P ₉₀ = 0.0 P ₉₉ = 0.1		Hours of Calibration: 0																						
				Percent Operational Time: 100.0																						
Day	Hourly Period Ending At																								Daily Total	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
2-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.10
3-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
4-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
5-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
6-May	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.10
7-May	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.10
8-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
9-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
10-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
11-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
12-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
13-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
14-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
15-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
16-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.30	0.10
17-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
18-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
19-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
20-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
21-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
22-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
23-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
24-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
25-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
26-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
27-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
28-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
29-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
30-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
31-May	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.60	0.10
		0.00	0.10	0.10	0.10	0.00	0.20	0.00	0.00	0.20	0.00	0.10	0.10	0.00	0.00	0.00	0.10	0.20	0.00	0.10	0.00	0.00	0.10	0.00	0.00	Diurnal Average
		0.00	0.10	0.10	0.10	0.00	0.10	0.00	0.00	0.10	0.00	0.10	0.10	0.00	0.00	0.00	0.10	0.10	0.00	0.10	0.00	0.00	0.10	0.00	0.00	Diurnal Maximum



WCAS - Genesee
Summary of Hourly Standard Deviations

Wind Speed (WS) - kph
May 2015

Maximum Value: 10.79 kph on May 25 18:00		Maximum Daily Average: 4.99 kph on May 2		Hours in Service: 744																																													
Minimum Value: 0.0 kph on May 23 06:00		Minimum Daily Average: 2.51 kph on May 8		Hours of Data: 744																																													
Maximum Diurnal Average: 5.49 kph at hour 13		Minimum Diurnal Average: 2.05 kph at hour 3		Hours of Missing Data: 0																																													
Monthly Average: 3.522 kph		Percentiles: P₁ = 0.7 P₁₀ = 1.3 Q₁ = 1.9 Median = 3.6 Q₃ = 4.9 P₉₀ = 5.7 P₉₉ = 7.9		Hours of Calibration: 0																																													
				Percent Operational Time: 100.0																																													
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																									
1-May	1.8	0.9	2.3	1.3	1.7	1.6	2.8	2.8	3.0	2.9	5.2	4.4	4.2	4.7	5.9	8.8	4.4	3.5	2.8	2.0	9.8	9.6	1.8	1.4	3.73	9.79																							
2-May	3.7	6.8	2.2	2.9	3.5	2.9	3.2	4.8	5.1	4.9	5.8	5.9	9.0	6.9	5.2	6.0	5.6	6.5	4.9	4.5	7.7	6.6	4.3	0.8	4.99	8.98																							
3-May	2.6	2.6	2.2	2.0	2.0	1.5	1.2	2.0	2.7	3.2	3.6	4.1	6.8	4.6	5.2	5.5	4.4	4.7	2.7	4.5	2.3	3.0	2.9	2.6	3.29	6.84																							
4-May	1.3	1.3	1.2	2.3	5.0	1.5	1.6	1.2	2.3	3.4	4.2	4.2	4.6	4.9	5.0	4.0	5.8	6.1	6.1	5.0	5.4	5.5	5.6	6.2	3.90	6.15																							
5-May	5.2	4.5	3.9	4.0	1.3	1.5	2.4	3.5	3.9	3.5	3.9	4.2	4.6	4.7	4.3	4.6	4.4	5.0	4.6	4.9	4.7	4.0	3.7	3.9	3.96	5.17																							
6-May	3.7	3.6	3.7	3.6	3.3	3.2	3.8	4.5	4.3	4.4	5.0	5.0	5.1	5.1	4.6	4.3	4.3	3.6	2.9	2.8	2.8	1.3	1.5	1.4	3.66	5.14																							
7-May	1.9	2.0	1.5	1.9	3.0	3.0	1.4	1.7	1.8	3.2	3.6	3.9	4.2	3.2	3.6	3.7	4.8	4.2	2.8	3.9	2.5	0.7	1.5	0.9	2.70	4.78																							
8-May	1.6	1.5	1.9	1.1	1.5	1.1	1.0	1.6	2.1	3.0	3.5	3.6	4.1	3.8	5.1	4.2	4.6	3.6	3.6	1.7	1.0	1.2	1.1	2.6	2.51	5.08																							
9-May	1.4	2.0	1.3	2.4	1.6	4.6	3.7	2.2	2.9	2.8	4.4	4.4	6.4	6.0	6.0	6.1	5.2	3.9	3.6	2.7	2.1	2.3	2.0	2.5	3.44	6.35																							
10-May	1.3	2.3	1.9	2.4	2.3	2.4	2.7	2.8	2.7	3.3	4.3	4.7	4.7	4.7	4.4	4.4	4.3	4.0	3.6	3.1	2.5	2.7	2.6	1.9	3.17	4.74																							
11-May	1.8	1.4	1.1	1.1	1.1	3.5	2.4	2.8	5.1	4.8	5.0	5.7	5.7	6.2	6.8	5.8	4.6	4.4	3.9	2.9	1.8	2.2	1.1	1.0	3.42	6.84																							
12-May	1.3	1.1	0.8	0.7	1.9	1.9	1.0	1.6	5.1	5.4	5.4	6.2	6.6	6.6	5.3	5.5	5.3	6.5	5.0	4.1	3.1	1.5	1.7	1.7	3.56	6.60																							
13-May	2.2	1.3	1.8	2.0	1.1	1.4	2.0	2.2	3.0	4.7	5.4	6.7	5.9	5.4	5.8	5.6	5.4	4.8	4.4	4.1	3.2	2.0	1.6	1.4	3.47	6.71																							
14-May	2.1	1.9	1.6	1.6	1.5	1.7	2.0	5.3	4.5	4.6	5.2	5.2	6.2	5.3	6.2	5.7	5.6	4.8	4.3	4.5	3.0	2.4	1.9	1.3	3.68	6.19																							
15-May	1.7	1.9	1.9	2.1	2.3	2.2	2.9	3.0	4.6	4.3	4.6	5.8	5.4	5.8	4.6	5.2	5.1	3.9	4.8	2.5	1.5	1.5	1.3	2.6	3.39	5.78																							
16-May	1.6	2.0	2.0	2.9	2.1	4.0	6.3	6.4	5.5	4.8	4.9	4.8	5.2	4.5	4.5	5.1	4.3	4.5	4.4	3.3	2.0	2.0	2.2	2.1	3.80	6.44																							
17-May	1.6	1.5	1.8	1.7	1.7	1.7	2.2	3.8	3.4	3.8	4.4	5.2	5.3	5.4	4.8	5.3	4.9	4.0	3.8	3.2	2.8	1.0	1.3	1.5	3.17	5.41																							
18-May	1.2	0.9	1.7	1.6	1.6	1.9	1.8	3.7	4.3	5.2	5.7	5.7	5.7	5.4	5.8	5.8	5.3	4.9	4.8	3.6	2.4	1.7	1.6	1.5	3.49	5.80																							
19-May	1.4	0.9	1.3	1.2	1.1	2.6	2.8	1.9	4.3	5.0	5.5	6.1	6.4	6.1	6.3	5.8	5.2	4.8	3.7	3.4	2.9	1.7	1.5	1.5	3.47	6.35																							
20-May	1.7	0.7	1.3	0.8	1.4	1.5	1.7	2.6	4.2	5.5	6.2	7.1	5.7	6.6	6.0	5.7	5.3	4.9	4.8	4.0	2.6	1.7	1.8	1.6	3.55	7.11																							
21-May	1.3	1.3	1.1	0.9	1.0	1.1	2.4	3.7	3.3	4.7	5.1	6.8	5.9	6.2	5.2	5.4	4.9	4.4	4.6	2.7	2.1	1.8	1.2	2.0	3.30	6.77																							
22-May	1.0	0.5	0.7	1.1	1.7	1.3	1.2	1.3	2.3	2.5	4.5	5.4	6.1	5.2	5.4	4.6	4.4	3.7	3.3	2.3	1.1	1.3	1.3	1.8	2.66	6.10																							
23-May	1.7	1.8	3.5	0.7	1.3	0.0	1.4	1.7	1.9	2.1	3.4	4.7	4.7	6.2	4.8	3.7	5.5	3.0	4.2	2.5	1.5	1.8	1.7	1.3	2.71	6.15																							
24-May	1.0	1.7	2.5	1.3	2.6	1.6	1.9	1.7	1.7	2.0	5.3	6.5	5.0	7.3	6.2	7.0	6.7	5.0	4.7	2.2	2.4	1.0	1.1	1.5	3.33	7.26																							
25-May	1.5	0.8	0.8	0.7	2.0	1.3	0.5	0.7	1.6	3.2	5.6	5.6	5.9	6.0	5.9	8.3	5.0	10.8	5.4	2.1	4.0	4.0	2.9	2.3	3.62	10.79																							
26-May	2.0	4.6	2.6	5.3	1.6	3.0	3.1	3.7	3.3	3.7	3.8	4.5	5.3	5.1	5.6	5.8	3.8	3.2	2.8	3.7	4.0	3.9	4.9	2.3	3.82	5.80																							
27-May	2.2	1.3	2.9	2.9	2.6	2.2	1.5	2.3	2.3	3.5	3.7	4.1	5.5	5.0	4.9	4.0	4.6	4.1	3.1	8.3	10.4	4.0	2.9	7.2	3.98	10.37																							
28-May	4.5	5.1	4.8	3.9	3.4	6.0	4.6	3.2	3.9	3.5	5.5	5.1	5.1	4.6	4.7	4.9	5.3	4.9	2.8	2.0	0.9	1.1	1.4	1.6	3.86	5.99																							
29-May	1.5	1.9	1.7	1.8	1.4	1.9	3.2	2.6	3.9	4.4	4.1	4.5	4.9	4.7	4.8	5.9	4.6	4.9	4.0	3.7	3.2	3.3	3.1	3.4	3.47	5.89																							
30-May	4.2	3.6	3.2	3.3	3.6	4.0	4.0	3.8	4.0	3.9	4.3	4.9	5.0	5.3	6.1	5.5	5.8	4.3	4.9	5.0	3.9	3.8	3.7	3.4	4.32	6.14																							
31-May	5.9	5.1	2.3	2.6	2.7	2.4	3.6	3.0	2.7	3.0	4.0	3.8	5.0	4.7	4.4	4.6	5.5	3.6	4.8	2.6	2.1	4.5	4.2	2.7	3.74	5.89																							
																								2.19	2.22	2.05	2.07	2.10	2.28	2.45	2.85	3.40	3.85	4.68	5.11	5.49	5.36	5.27	5.38	4.98	4.67	4.07	3.48	3.28	2.75	2.31	2.25	Diurnal Average	
																								5.89	6.82	4.81	5.32	4.96	5.99	6.31	6.44	5.46	5.50	6.16	7.11	8.98	7.26	6.84	8.81	6.66	10.79	6.12	8.32	10.37	9.58	5.63	7.18	Diurnal Maximum	
,Alberta Ambient Air Quality Objectives (AAAQO): 1-hr --- ul/m^3 24-hr 100 ul/m^3																																																	



WCAS - Genesee
Summary of Hourly Standard Deviations

Wind Direction (WD) - deg
May 2015

Maximum Value: 93.02 deg on May 3 17:00		Maximum Daily Average: 39.70 deg on May 23		Hours in Service: 744																							
Minimum Value: 3.7 deg on May 8 06:00		Minimum Daily Average: 8.62 deg on May 6		Hours of Data: 744																							
Maximum Diurnal Average: 28.27 deg at hour 13		Minimum Diurnal Average: 12.17 deg at hour 21		Hours of Missing Data: 0																							
Monthly Average: 20.140 deg		Percentiles: P ₁ = 5.1 P ₁₀ = 8.0 Q ₁ = 10.4 Median = 14.6 Q ₃ = 22.1 P ₉₀ = 43.1 P ₉₉ = 75.0		Hours of Calibration: 0																							
				Percent Operational Time: 100.0																							
Day	Hourly Period Ending At																								Daily Average	Daily Maximum	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1-May	19.6	6.9	68.6	12.1	27.0	24.1	48.8	68.6	15.3	21.2	21.3	15.9	17.0	23.5	11.2	50.2	26.5	17.0	12.8	9.3	32.9	67.4	13.0	9.7	26.66	68.61	
2-May	12.4	49.9	9.9	8.7	8.6	9.1	10.1	9.6	9.5	9.7	12.5	14.3	8.5	10.5	16.6	16.0	17.3	18.2	20.5	8.4	25.5	17.4	49.3	4.6	15.70	49.87	
3-May	16.0	9.1	6.7	7.1	9.6	6.8	9.0	14.5	27.0	72.6	60.0	64.8	36.5	28.7	40.7	54.7	93.0	33.1	74.4	19.3	10.3	14.6	18.6	12.4	30.81	93.02	
4-May	25.6	25.8	9.9	23.7	16.5	16.0	15.8	13.2	27.2	54.6	42.0	43.4	26.9	19.1	24.0	18.8	20.1	12.5	10.9	11.1	10.2	10.4	11.9	12.2	20.91	54.63	
5-May	12.3	13.0	12.6	21.5	15.0	11.9	16.8	18.5	17.7	34.7	38.5	18.5	19.5	13.6	14.4	12.6	14.5	8.8	8.7	8.9	10.2	8.8	6.2	7.9	15.22	38.48	
6-May	7.4	6.7	6.7	6.8	7.2	6.8	7.2	7.2	6.7	7.4	7.5	7.4	10.0	8.7	9.8	13.1	11.3	6.9	10.3	12.8	8.1	18.8	6.4	5.8	8.62	18.80	
7-May	6.5	7.4	13.7	9.9	33.5	32.8	6.2	9.0	14.1	41.5	42.4	82.7	92.8	67.2	47.9	24.9	44.9	36.7	13.1	51.4	8.7	4.4	5.1	7.9	29.36	92.79	
8-May	8.2	22.3	9.7	4.7	6.0	3.7	9.3	9.1	20.0	22.2	21.4	56.8	60.2	74.4	68.4	37.7	65.6	88.9	49.9	27.0	10.4	9.6	13.8	6.9	29.43	88.91	
9-May	8.1	9.5	4.3	19.8	9.2	35.6	21.8	20.1	16.6	16.5	15.5	19.4	28.3	26.0	25.9	27.7	22.1	20.7	11.0	12.9	16.2	21.7	15.5	15.6	18.33	35.60	
10-May	10.2	11.9	12.9	10.5	12.5	12.3	15.5	11.0	16.4	15.1	17.8	20.5	25.7	19.5	25.0	20.4	19.2	20.1	16.9	14.1	12.2	12.0	10.8	9.5	15.50	25.74	
11-May	7.0	7.3	8.2	9.6	13.3	17.8	9.0	9.9	13.5	12.9	17.7	20.0	26.8	19.5	21.2	21.1	33.2	20.1	21.3	11.7	8.7	10.2	6.6	7.9	14.77	33.21	
12-May	11.3	8.4	10.6	6.3	14.3	17.2	22.0	13.7	18.9	13.8	13.3	14.4	15.8	16.5	18.9	20.3	15.5	16.6	13.0	10.6	6.3	9.8	7.9	9.3	13.52	21.96	
13-May	7.6	10.5	6.5	5.8	10.6	21.4	12.7	12.1	16.2	16.8	14.2	17.1	17.2	17.3	23.4	18.8	16.7	16.7	11.9	10.6	9.2	7.9	9.2	9.3	13.31	23.35	
14-May	9.5	8.4	10.0	9.8	17.3	9.7	17.4	17.0	17.0	15.0	16.6	20.5	19.8	21.4	26.3	15.2	16.8	13.1	10.2	9.4	6.0	6.1	7.6	13.6	13.90	26.31	
15-May	9.1	14.9	11.4	13.9	14.1	12.5	16.1	10.8	13.0	12.4	12.8	13.9	14.1	14.4	10.9	11.3	13.0	15.3	10.7	11.6	10.3	8.5	9.5	21.5	12.75	21.46	
16-May	12.9	24.8	5.6	81.8	65.8	37.6	16.2	9.9	9.9	8.5	10.1	10.7	9.7	10.4	13.5	24.4	20.1	17.4	16.2	8.8	8.0	6.3	8.7	8.1	18.55	81.76	
17-May	30.1	18.2	15.8	13.1	13.4	12.4	15.0	14.5	14.5	20.4	22.7	24.8	25.6	24.3	30.4	23.8	19.4	18.0	16.0	13.9	7.3	10.2	8.4	9.9	17.60	30.43	
18-May	11.1	12.2	10.4	10.8	8.9	9.8	9.5	9.9	11.3	11.7	16.5	13.7	15.3	18.7	17.1	18.2	17.5	14.9	13.9	10.5	9.0	7.7	8.3	8.0	12.28	18.65	
19-May	9.0	12.0	10.7	9.3	17.4	10.4	16.5	10.9	12.4	12.0	12.4	16.8	15.7	21.8	14.0	12.1	13.1	13.0	12.1	9.4	9.3	7.2	6.9	8.7	12.22	21.77	
20-May	6.8	5.6	9.2	10.1	9.0	15.2	15.5	15.7	11.7	10.1	10.9	16.6	16.2	12.7	13.4	12.6	11.7	10.0	9.8	7.1	9.6	6.9	7.3	7.9	10.92	16.64	
21-May	7.9	9.8	15.7	7.1	9.6	12.0	16.8	10.5	10.0	11.9	11.4	14.4	11.4	14.4	16.1	13.3	16.4	12.6	15.0	10.6	12.2	9.2	10.0	7.1	11.88	16.77	
22-May	5.1	12.6	10.7	14.7	24.2	32.6	33.6	24.2	52.6	38.4	35.5	43.5	50.6	37.1	69.8	38.8	61.8	42.6	49.8	15.6	17.2	15.3	26.1	17.3	32.07	69.75	
23-May	36.4	75.1	54.9	43.3	41.3	43.2	61.0	11.4	51.3	69.3	74.1	45.2	51.3	49.4	57.6	21.7	35.1	25.6	16.1	14.8	16.9	11.3	11.6	34.9	39.70	75.12	
24-May	19.6	21.1	28.2	38.9	49.6	21.7	49.3	21.1	22.7	24.6	36.6	21.2	26.6	20.8	16.7	21.4	21.8	14.2	13.6	5.4	8.3	5.5	12.2	15.2	22.35	49.58	
25-May	7.4	5.1	4.2	4.5	68.9	47.0	52.3	49.3	36.0	50.4	33.2	21.8	27.4	38.9	56.4	65.1	35.7	65.9	15.9	22.1	10.5	53.8	42.7	77.9	37.19	77.93	
26-May	54.8	66.3	25.7	39.8	16.5	6.3	7.4	9.1	13.9	19.2	22.3	22.7	23.2	23.0	25.0	30.9	18.1	23.9	14.0	19.4	20.6	12.6	26.3	34.8	23.99	66.29	
27-May	9.1	9.9	43.0	27.2	36.6	9.4	18.1	15.4	29.1	22.2	22.9	26.6	45.9	38.0	43.5	34.3	59.3	54.5	19.8	9.7	15.0	10.1	12.9	27.7	26.68	59.35	
28-May	12.1	18.9	13.9	16.4	11.2	12.3	12.8	13.9	17.4	18.8	21.4	24.0	28.2	31.6	36.0	33.0	36.8	46.3	34.7	18.8	8.0	16.9	13.6	14.6	21.32	46.26	
29-May	12.6	14.8	10.4	11.5	10.7	11.1	15.7	13.2	16.1	13.2	14.8	15.0	14.6	15.3	20.7	16.8	18.4	14.9	14.1	14.0	13.5	13.3	13.8	13.9	14.28	20.67	
30-May	13.0	10.7	11.0	11.2	14.1	12.4	10.9	12.0	15.2	12.9	13.2	15.1	14.6	12.0	14.6	15.2	14.5	12.1	13.8	13.3	13.1	13.1	14.1	15.1	13.22	15.22	
31-May	50.8	36.0	49.7	12.3	9.9	14.8	17.6	17.8	20.0	23.0	30.6	53.5	81.1	76.2	37.5	27.9	27.2	44.3	24.6	11.1	13.5	7.9	14.2	50.4	31.32	81.07	
		15.15	18.23	16.79	16.85	20.06	17.61	19.55	16.23	19.13	23.65	23.94	26.29	28.27	26.60	27.97	24.91	27.64	24.99	19.20	13.99	12.17	14.03	13.82	16.32	Diurnal Average	
		54.80	75.12	68.59	81.76	68.90	47.01	60.99	68.61	52.58	72.63	74.12	82.74	92.79	76.23	69.75	65.09	93.02	88.91	74.41	51.43	32.87	67.36	49.30	77.93	Diurnal Maximum	
		,Alberta Ambient Air Quality Objectives (AAAQO): 1-hr --- ul/m^3 24-hr 100 ul/m^3																									

WEST CENTRAL AIRSHED SOCIETY

**CONTINUOUS AMBIENT AIR QUALITY
MONITORING PROGRAM
MONTHLY REPORT**

**END OF REPORT
MAY 2015**