

General Features

MTE User Manual - Report Fundamentals

3.21 May 2009



General Features

Report Layouts

MCReport has two report layouts:

- Text reports, with completely editable contents and manual formatting options.
- Graphical reports, combining a chart and text report in a split window.

This section introduces concepts common to all reports. Concepts unique to text reports and graphical reports can be found in following sections.

The Right-Click Menu

A report's right-click menu is one of the keys to MCReport's flexibility. Both the report's Local Profile and tagged datasets can be changed on-the-fly, without the need to regenerate the report. Reports may also have customisable options accessible via this menu.

월 MCReport - [WeeklyVehicle-2]										
😰 File Edit View Graph Tools Window Help										
Weekly	/ehicle-2					- 1				
			Week	ly Vehic	le Coun	ts				
Weekhelahi	alo 1						Recalcu	ilate		
Site:	35	291.0N					i i i			
Description:	GF	RT.NORTHE	RN HWY SO	DUTH OF W	EST SWAN	I RD 📲 📃	Local p	rofile		
Filter time:	13	:00 Monday	y, 20 Septe	ember 199	3 => 14:24	Mon	Dataset	s 1	5	
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Filter:	Cla	s(123456	5789101	1 12) Dir(N	ESW) Sp(1	0,160 <mark>1</mark>	Propert	162		
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0100-0200	*	6	6	4	11		Page se	tun		
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0400-0500	*	22	18	16	12		Typefac	:e		
0500-0600	*	53	51	53	55		Page hr	reak	l.	Ξ
0600-0700	*	130	141	159	148					
0700-0800	*	247	223	248	215	- I	Tabs			
0800-0900	*	260<	250<	252	225	0.4	120	240 E.C.	212 2	
0900-1000	*	210	227	231	246<	230	211	228.5	225.8	
1100-1100	*	235	244	222	240	279	274	220.3	254.5<	
1200-1300	*	222	187	243	213	274<	320<	215.3	243.2	
1300-1400	239	219	197	244	245	250	287	229.0	241.7	
1400-1500	255	213	220	255	240	203	218	235.8	229.3	
1500-1600	332	346<	331<	336<	349	212	280	338.8<	312.3<	
1600-1700	309	311	319	319	350	232	254	321.5	299.1	
1700-1800	297	309	315	295	392<	100	206	321.6 991.6	285.3	
1900-2000	97	120	104	164	244	30	103 92	145.8	130.6	
2000-2100	67	88	80	104	107	63	67	89.2	82.3	
2100-2200	52	60	58	104	72	42	49	1 73.2	65.3	
2200-2300	43	55	53	59	99	47	45	51.8	57.4	
2300-2400	30	25	21	34	45	53	17	31.2	32.3	
Totals										
0700-1900	*	2994	2939	3142	3229	2637	2755	3051.3	2955.9	
0600-2200	*	3392	3332	3573	3800	2952	3020	3514.0	3350.2	
0600-0000	*	3472	3405	3766	3945	3052	3083	07216	3449.9	
5000-0000	2	3302	3010	3010	4003	3101	3133	3121.0 	JODD.U	
AH Peak	*	0800	0800	1100	0900	1100	1000			
	*	260	250	259	245	289	334	I		
							1005	1		
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		0.40	001	000	036		020			

The right-click menu

Note that any changes to a report's Profile or datasets will result in the report being automatically recalculated. Any manual editing of the report will be lost.

When changing tagged datasets, remember that the report's signature and multi-file restrictions will still apply.

Header Sheets

MCReport includes a detailed header sheet with most reports, giving essential details about the datasets and Profile used to generate the report. Reports may also include an abbreviated header at the start of the data, or the top of each page. When the details are too large to be compressed (such as when multiple datasets are included) the abbreviated header will refer to the main header sheet.

	MetroCount Traffic Executive				
		WEEKIY VEHICLE COULLS			
	WeeklyVehicle-620	English (ENA)			
	Datasets:				
	Site:	[35291] GRT.NORTHERN HWY SOUTH OF WEST SWAN RD <90km/h>			
	Direction:	1 - North bound, A hit first., Lane: 0			
	Survey Duration:	13:00 Monday, 20 September 1993 => 14:24 Monday, 27 September 1993			
	File:	D:\Program Files\MetroCount v316\User\Samples\UrbanHwy.ec0 (Demo FB)			
	ldentifier:	C355 Rev 9.02 6/3/1993 (c) 1993 Microcom			
	Algorithm:	Factory default			
	Data type:	Axle sensors - Paired (Class/Speed/Count)			
	D Cl.				
	Prome:				
	Filter time:	0:00 Tuesday, 21 September 1993 => 0:00 Monday, 27 September 1993			
	Included classes:	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13			
	Speed range:	U - 200 km/n. Nadh Fash Cash Most (haust)			
	Direction:	North, East, South, West (bound)			
	Separation:	All - (Headway)			
	Name:	Factory default profile			
	Scheme:	venicie classification (ARX)			
_	Units:	Wetric (meter, kilometer, m/s, km/n, kg, tonne)			
<	in profile:	Venicies = 21438 / 23/18 (90.39%)			

Sample header sheet

The **In Profile** line is the number of vehicles or events included in the calculations of a report, versus the total number of vehicles or events available in the tagged datasets. This is extremely useful for highlighting the effect of vehicle filter settings, especially when a large percentage of excluded vehicles is unexpected. Note that for sequentially generated reports such as the Individual Vehicle or Custom List reports, the **In Profile** line appears at the end of the report.

The fields included in a report's header sheet can be selected in the **Header items** tree in the **Header** page of the Advanced Profile options.

Profile	X
Profile General Format Header Colors Header items Filte block Filte block Filte Show graphic Filte Filt	Scheme Speed Mass Separation Adjust Graphic logo to display above header Left Logo position
Zone: Z	Report name template Use standard report name Allow reports to be edited Put header on separate page

Changing the Header Sheet format

The header sheet includes an invisible page break to ensure the report data starts on a new page. To turn this off, toggle the **Put header on separate page** option.

The first line of the header sheet title can be changed via the **Report title** option. This is commonly set to the name of a company, council or county.

	MetroCount Surveys Weekly Vehicle Counts
<u>WeeklyVehicle-138</u>	English (ENA)
Datasets: Site: Direction: Survey Duration: File: Identifier: Algorithm: Data type:	[35291] GRT.NORTHERN HWY SOUTH OF WEST SWAN RD <90km/h> 1 - North bound, A hit first., Lane: 0 13:00 Monday, 20 September 1993 => 14:24 Monday, 27 September 1993 D:\Program Files\MetroCount v316\User\Samples\UrbanHwy.ec0 (Demo FB) C355 Rev 9.02 6/3/1993 (c) 1993 Microcom Factory default Axle sensors - Paired (Class/Speed/Count)
Profile: Filter time: Included classes: Speed range: Direction: Separation: Name: Scheme: Units: In profile:	13:00 Monday, 20 September 1993 => 14:24 Monday, 27 September 1993 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 0 - 161 km/h. North, East, South, West (bound) All - (Headway) Factory default profile Vehicle classification (ARX) Metric (meter, kilometer, m/s, km/h, kg, tonne) Vehicles = 23717 / 23718 (100.00%)

Changing the Header Sheet title

A company logo can also be added to the top of the Header Sheet in the form of a bitmap image. This is specified in the **Graphic logo to display above header** option, and enabled with the **Show graphic** option in the **Header items** tree.

The tab position between header sheet labels and data is adjustable, to cater for changes in font size. Simply right-click in a report and select **Tabs**, then click the mouse at the desired location. This can also be set using the **Tab Position** option in the **Format** page of a report's Advanced Profile options.

Report Name

Each report generated by MCReport has a unique Report Name, which appears in the report's title bar and header details, and is the suggested filename when saving reports. By default this is a combination of an abbreviation of the report type, and an incrementing serial number, such as **WeeklyVehicle-1**. The report serial number can be reset at any point by selecting **Tools** » **Settings** from MCReport's main menu, and changing the **Next report index** option. The **Increment report index on recalculate** option causes the serial number to increment whenever a report is recalculated, such as editing a report's Profile or tagged datasets.

MCReport settings	
Folder for report output	
C:\Users\MTE Demo User\Documents\MetroCount\MTE 3.21\Di	
Printer margins for portrait pages (mm)	
Left+10, Top=10, Right+10, Bottom=10	
Printer margins for landscape pages (mm)	
Left+10, Top=10, Right+10, Bottom=10	
Text file encoding	
ANSI	
Daylight adjustment zone	
Australia (WA)	New second in days
Next report index	INext report index
1	1
Increment report index on recalculate	Increment report index on recalculation
Show translation tokens instead of text	indicate and the second second
Recycle help windows	
Wan before internet connection	
OK. Cancel	

Changing report serial number options

The format of the Report Name can be changed in the **Header** page of the Advanced Profile options. Unchecking the **Use standard report name** option enables the **Report name template**. This is a comma separated list of fields, which can be selected from the menu button next to the template. Fixed strings can be added inside double-quotes. The incrementing report serial number will be automatically appended to the end of the generated name.

Profile	
Roder Construction Construction Roder Statuset Constatuset	Report name template SITE,"- ",DATATIME," - ",REPNAME Use standard report name

Changing the report name format

Page Setup

MCReport uses the page size of the currently selected printer to generate reports. The page orientation (portrait or landscape) is automatically selected based on the type of report being generated.

The automatic page orientation can be overridden at any time by using the **Page orientation** option in **Format** page of a report's Advanced Profile options.

The default page margins are set in MCReport's Global Settings, accessed by selecting **Tools** » **Settings** from MCReport's main menu. Margins may be set independently for portrait and landscape pages. Existing reports will need to be recalculated for the global page margins to take effect.

MCReport settings	
Folder for report output C:\Usen\WTE Demo User\Documents\MetroCount\WTE 3.21\D.	Printer margins for portrait pages (mm)
Printer margins for portrait pages (nm) Left+10. Top=10, Right+10, Bottom=10	Left=10, Top=10, Right=10, Bottom=10
Printer margins for landscape pages (nm) Left+10, Top=10, Right+10, Bottom=10	Printer margins for landscape pages (mm)
Text lie encoding ANSI	Left=10, Top=10, Right=10, Bottom=10
Daylight adjustment zone Australia (WA)	
Next report index	
Increment report index on recalculate Show translation tokens instead of text	
Recycle help windows Warn before Internet connection	
OK Cancel	

Setting default page margins

Page margins may also be set locally in a report, by right-clicking a report and selecting Page setup.

Report Header / Footer

The default page header of reports includes the Report Name and page number, right-aligned.

The **Format** page of a report's Advanced Profile options includes a **Printer header** and **Printer footer** option for adding a single line of left-aligned text to the top and bottom of each page.

The tokens **<DATE>** and **<TIME>** may be used to insert the current date and time. The operating system's current long date and time format will be used.

www.metrocount.com

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