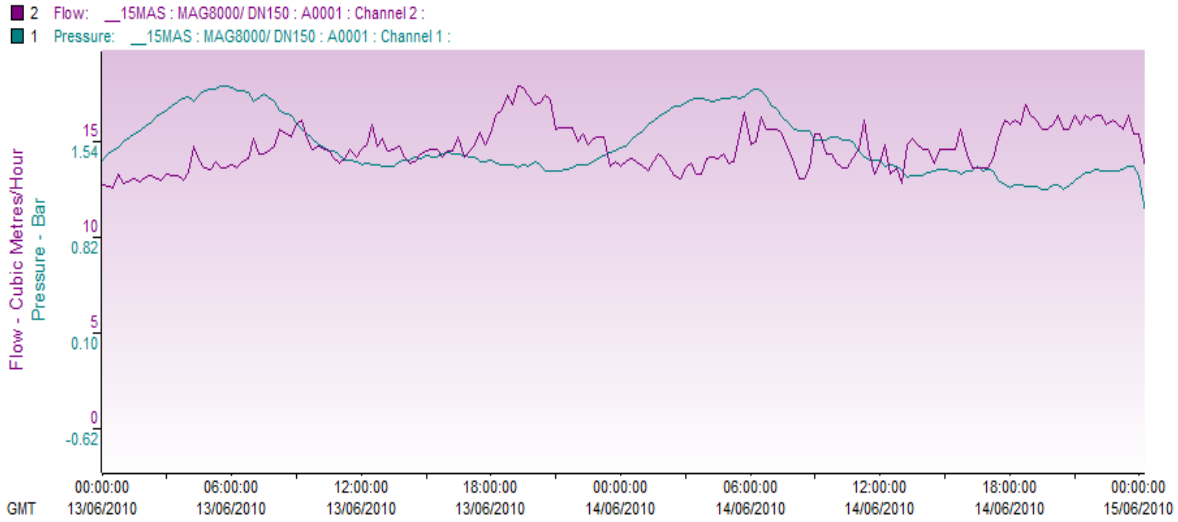
Ref: FAQ0237	Version: 1.0
Title – Radwin – interpret meter data	
Made By: AB 18/09/15	(Issue 2)

How to interpret the meter information in the data available below the Radwin View graph

From the Radwin View graph if you select Data Options> Data Type> Graph Statistics you will see the beow tabe under the graph –



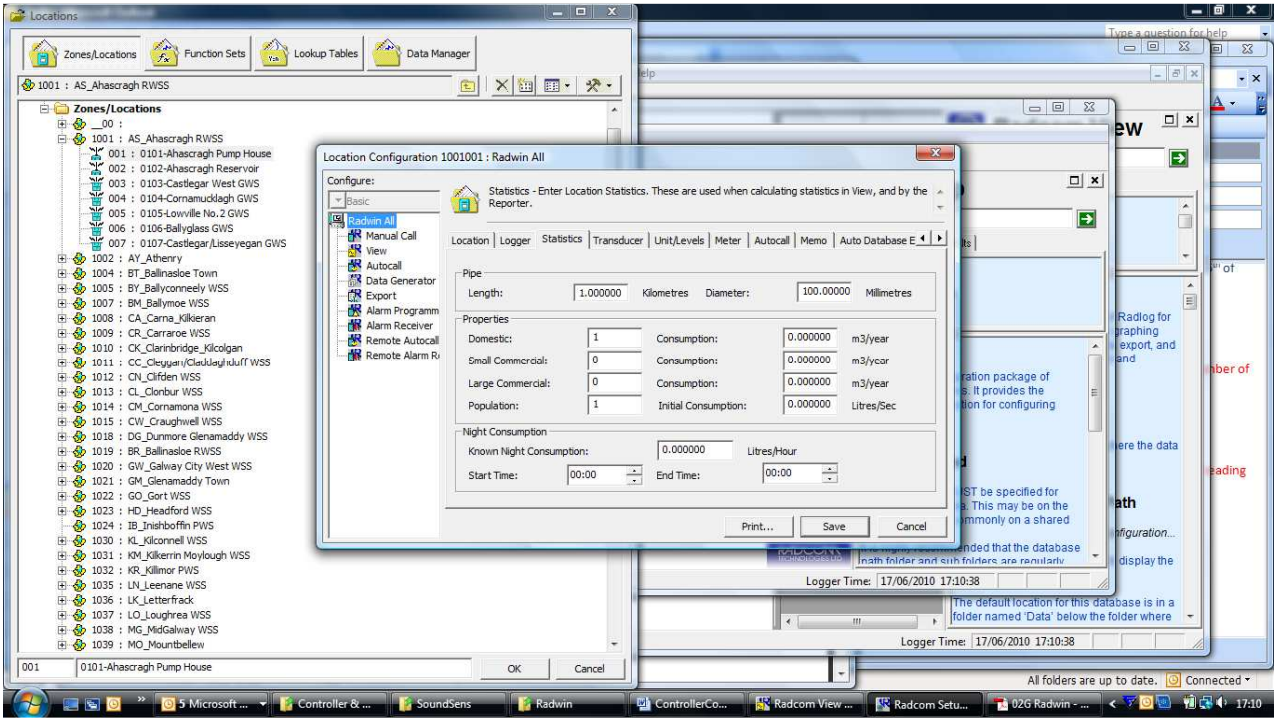
1 - Pressure: 1005006 : FM0506-M					
Data Start Time:	15:15:00	14/05/2010	Friday		
Data End Time:	06:30:00	16/05/2010	Sunday		
Sample Rate:	00:15:00				
Minimum:	-0.200	Metres Head	15:15:00	14/05/2010	Friday
Maximum:	-0.100	Metres Head	19:15:00	14/05/2010	Friday
Average:	-0.159	Metres Head			
2 - Flow: 1005006 : FM0506-Manr					
Data Start Time:	15:15:00	14/05/2010	Friday		
Data End Time:	06:30:00	16/05/2010	Sunday		
Sample Rate:	00:15:00				
Minimum:	0.056	Litres/Sec	02:30:00	15/05/2010	Saturday
Maximum:	0.411	Litres/Sec	22:00:00	14/05/2010	Friday
Average:	0.170	Litres/Sec			
Volume:	24140.000	Litres			
Meter Reading	0.000	Cubic Metres	12:06:31	02/01/2013	Wednesday
Calculated Reading	-5562.437	Cubic Metres	06:30:00	16/05/2010	Sunday
Water Cost:	1.000000	£/Cubic Metre			
Total Cost:	£24.14				
Average Day Cost:	£14.67				
Properties:	1				
Population:	1				
KNC:	0.000000	Litres/Hour			
Pipe Length:	1.000000	Kilometres			
Minimum Night:	240.000015	Litres/Hour			
	240.000015	Litres/Prop/Hour			
	240.000015	Litres/Km/Hour			
Personal Usage:	13646.582031	Litres/Day/Person			
MNF/AVG	0.422				
MNF/MAX	0.214				
MNF Cost/Hour	£0.24				
Meter:	standard 10 Litres/pulse				
Pipe Diameter:	80.000000	Millimetres			
Minimum Flow Velocity	0.013	Meters/Sec			
Maximum Flow Velocity	0.062	Meters/Sec			
Average Flow Velocity	0.031	Meters/Sec			

The information presented can be interpreted as follows:-

- **Volume:**
  Q - Does this value show the forward totalizer of water in the pipe? Or it is calculated by the software by multiplying the average flow by the time span?
  A- Yes, this shows the total water that has passed during the time period - it totals the forward flow and subtracts the negative flow – it does not average – it is a calculation based on the pulse factor – number of litres per pulse.
  Q - Can this value be considered as a volume delivered to this area for example?
  A - Yes, it can and it is an accurate figure providing you have provided correct data during the configuration (pipe size and pulse factors – litres per pulse)

- **Calculated Reading :**
  Q - What does the calculated reading mean? Does it refer to the actual system or the software calculation? How does it calculated?
  A - If you had put a known meter reading at the start, then this value is a calculation based on the flow the logger has recorded to date and represents what the meter reading should now be. If your meter reading at the start was zero then at the point of checking the meter reading here will be a calculated accurate value from the pulse factor.

- **Minimum Night :**
  Q - What is this? How does the software obtain such a value?
  A - Minimum night flow is the minimum flow rate recorded during the night time period that you set up – see the screen shot below – use Radwin Setup > Options> Item Configuration then click on the logger you want to set up – you should see this screen – Here you set up pipe diameters and property information – including the number of people resident in the property – also you set up the start and end time for your night time calculations.



- **Personal usage :**
  Q - How is it calculated?
  A - See above this is the total property usage divided by the number of people in the property (that you set up above in No3)
- **Pipe Diameter and Velocity values:**
  Q - Why does the pipe diameter appear to be 80 mm while it is actually 150 mm?
  A - You need to define the pipe as in 'Minimum Night' settings above and then remember to 'Save' it for that location.
  Q - Velocity statistical values, how are they obtained?
  A - Velocity figures are straightforward calculated values from flow rate and pipe diameter taken at max and min flow rates and average flow rates

Document History:

Edition	Date of Issue	Modification	Notes
1st	04/01/13	Release	
2nd	17/09/15	Format update	