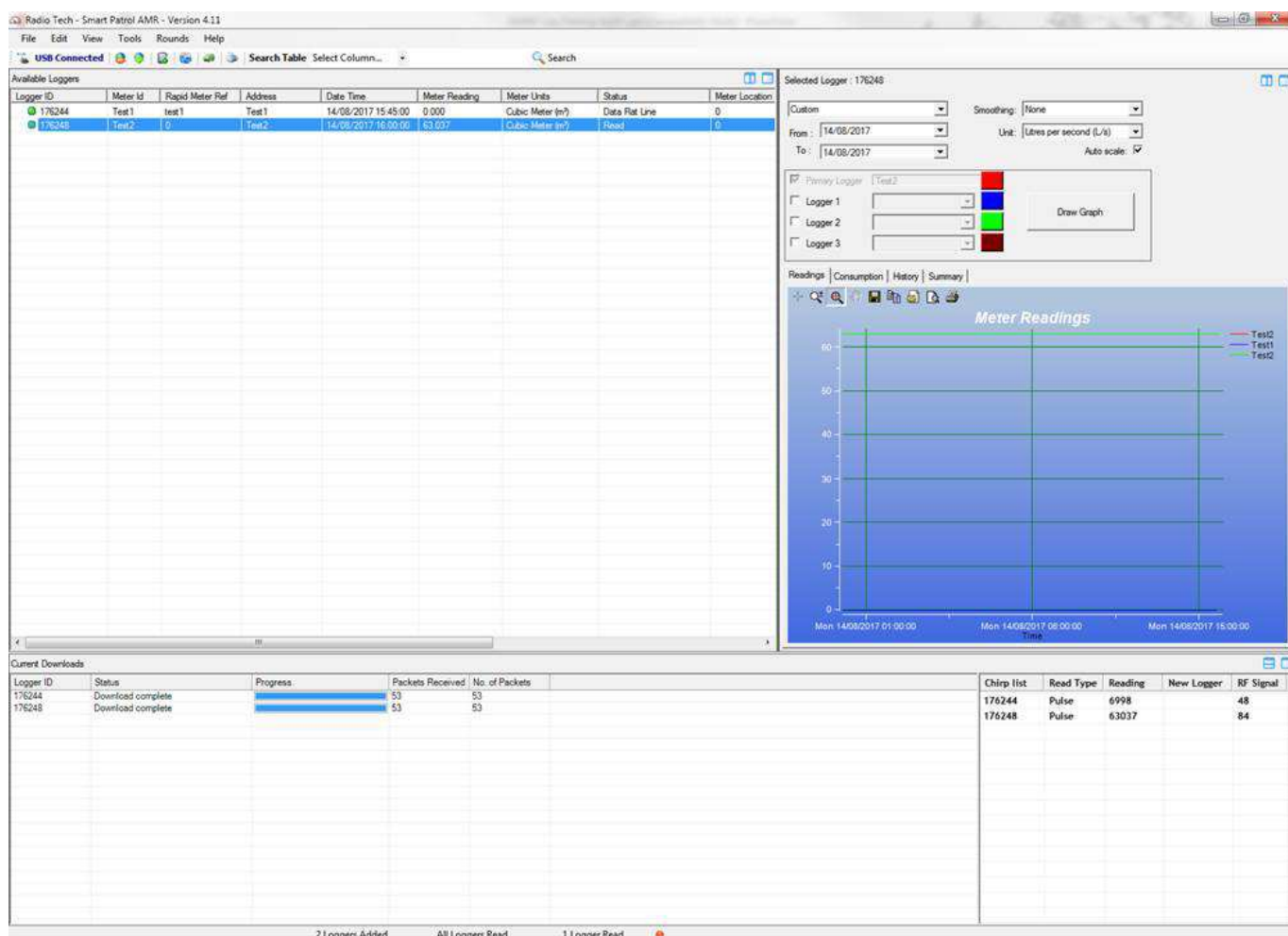# How to manually synchronise the time and date in a Smartlog

You can Reset the Time manually or when it is read as follows-

1. In Smartpatrol software go to 'Edit' the logger & 'SMARTLog Configuration'
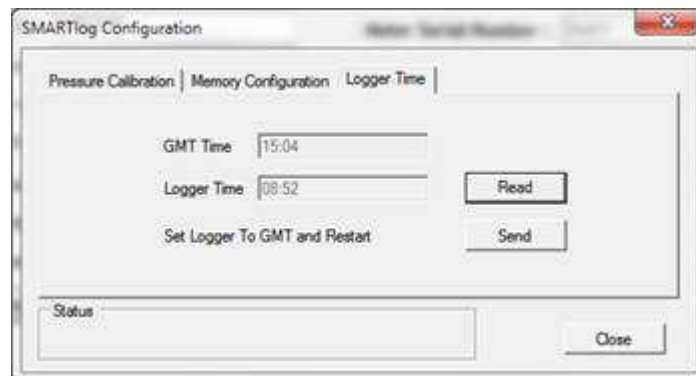
2. There is also the option to reset the time and you are prompted to do this if time drift is significant – CARE! resetting usually clears the memory of the logger
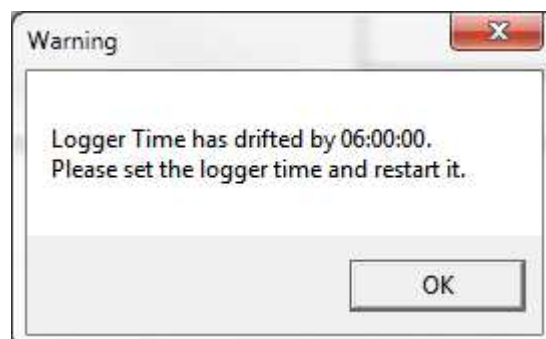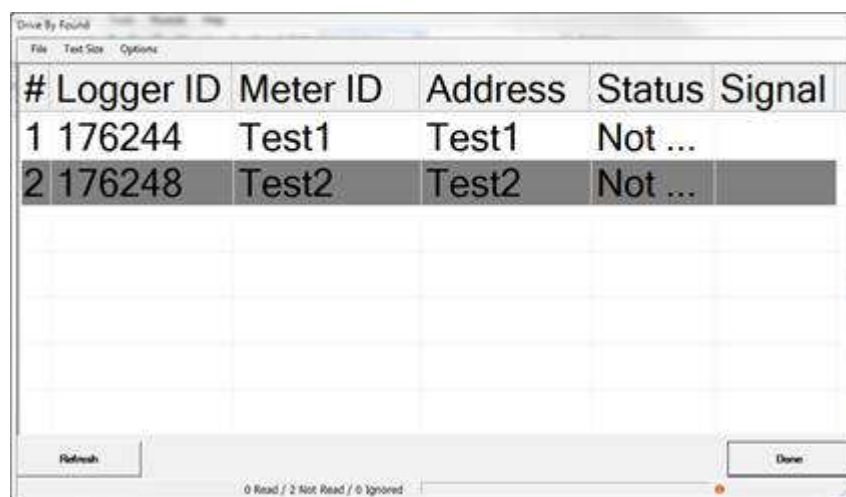
The time on the logger will drift whilst it is logging as there is no remote communications to reset the internal clock.

When the logger is read it will give the user the option to adjust for the time drift – it will adjust the time on the logger to the PC local time and restart the logger.
This is why the PC reading it should be set to a consistent UTC/GMT without summer/daylight adjustment.

Regardless of whether the time is reset on the logger, the data export will show an adjusted time which will compensate for any time drift relative to the local time on that PC at the time of reading However if the PC time of the computer used to read the unit is using a different time zone to the to the one used to set the logger then it will compensate incorrectly.

With a larger time drift it would be beneficial to confirm the time zone of the PC used to read the SmartLOG and if it is correct for your purposes then to use the adjusted time.

The correct process would be that Smartlogs are setup with a PC with exactly the same time zone as the PC used to read it (e.g. without the 1 hour adjustment for daylight saving/British summer time). The most logical time zone to use then is GMT/UTC without BST/DST for all PCs used with the Smartlogs.
The Time should then be reset whenever the data is read.

Any adjustments for daylight saving/BST should then be done in the top end software.

Document History:

Edition	Date of Issue	Modification	Notes
1st	15/08/17	Release	