

MLV Mapping Software – compare TRW files automatically

For mapping of storage areas such as warehouses, rooms, walk in chillers, freezers and incubators as well as fridges, freezer, incubator cabinets, etc.

It is recommended to use the “Start on Date” function in the TRW software when programming the loggers being used for mapping. This will ensure the loggers record the same period for comparison.

Getting started

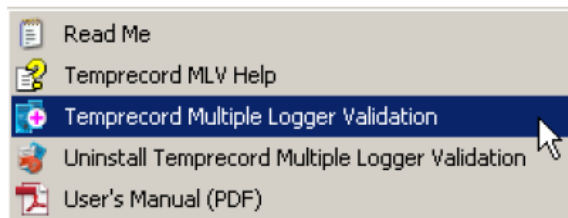
This topic is designed to get the first-time **MLV** user started in as little time as possible. It provides step-by-step instructions for creating a new MLV project from scratch and generating a report.

It is assumed that the user is familiar with the Temprecord software for programming Temprecord loggers and saving datafiles. To carry out the steps in this tutorial you will need one or more Temprecord data files. If you have more than one datafile they should have all recorded data over approximately the same time interval.

Start **MLV** by clicking on the quick launch button  on the taskbar, double-clicking the **MLV** shortcut

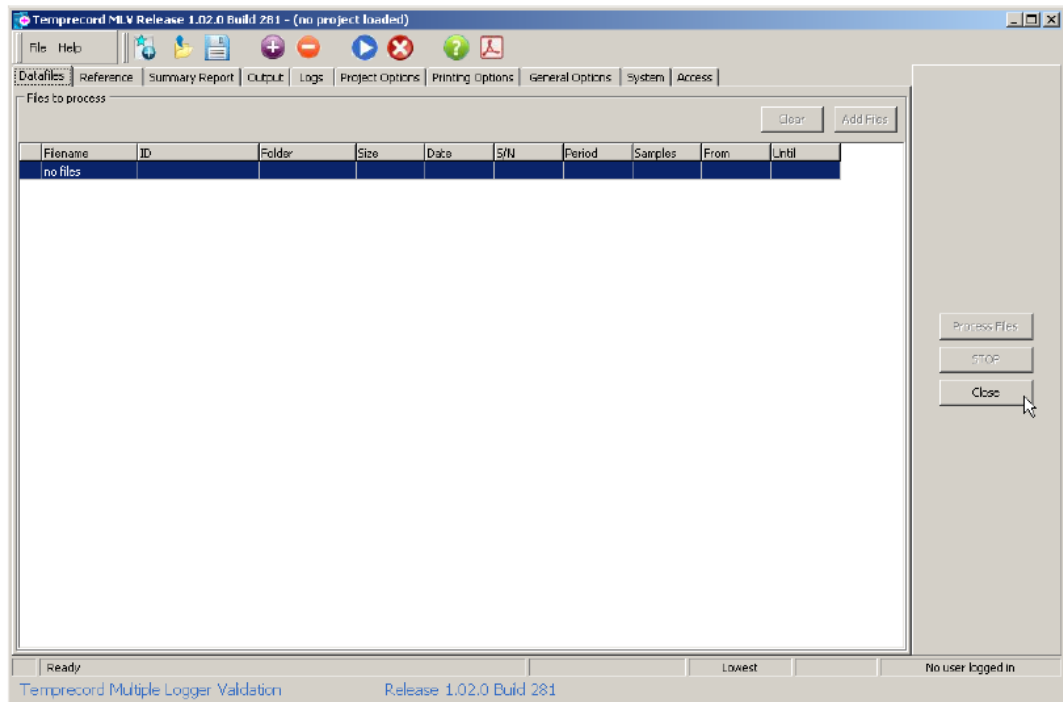


on the desktop, or selecting **Temprecord MLV/Temprecord Multiple Logger Validation** from the **Start** menu:



Note, User's Manual is available here (shown in above diagram) via the Start Menu as well as in the Help Menu in the software.

You should see the **MLV** main window:



Click on the panel that displays the access level (When **MLV** starts up the access level is set to the lowest level, so this panel will probably show "**Lowest**"):

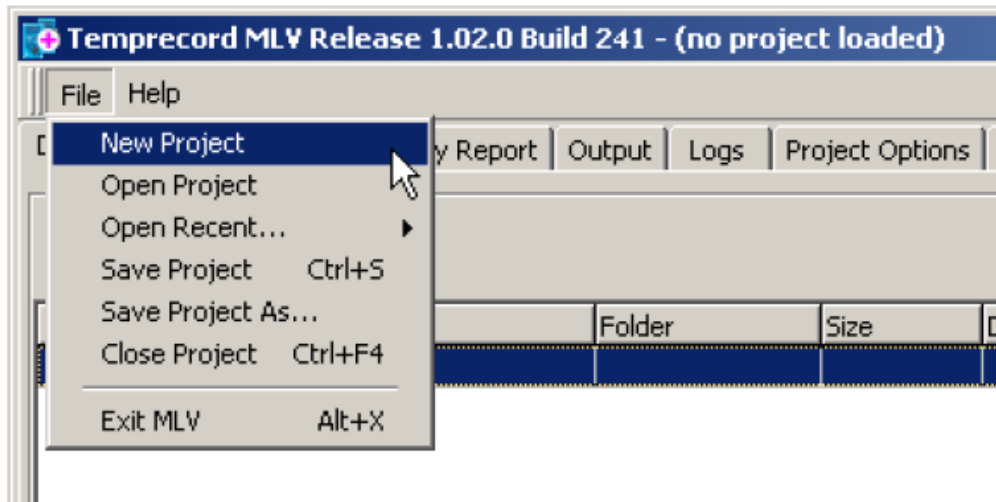


Enter your username and password into the dialog, and click on the **OK** button:

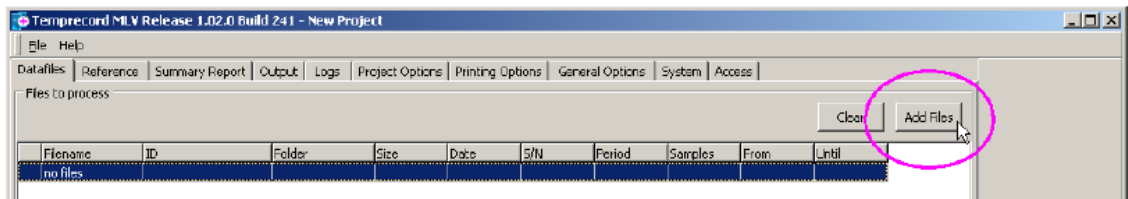


All correspondence to:
Temprecord International Limited
PO Box 58 430, Botany, Manukau 2163, NEW ZEALAND.
Phone: (09) 274 9825, Fax: (09) 273 4020
Email/Web: info@temprecord.com, www.temprecord.com

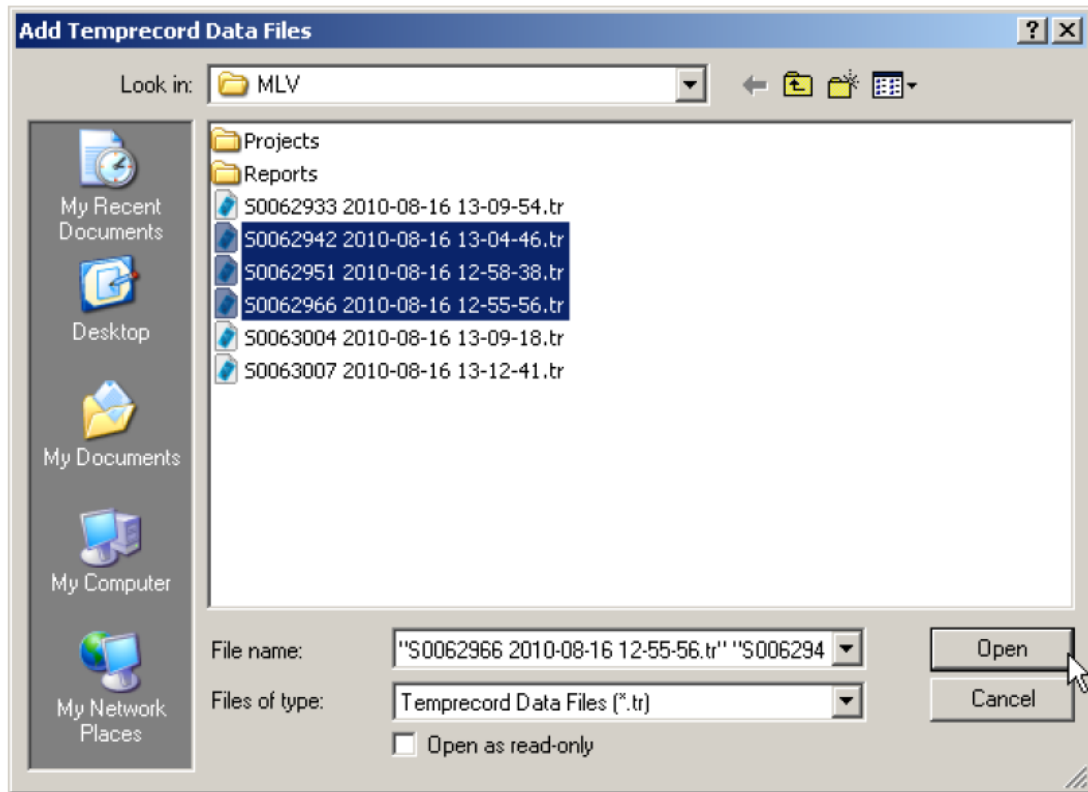
Click on **File/New Project**:



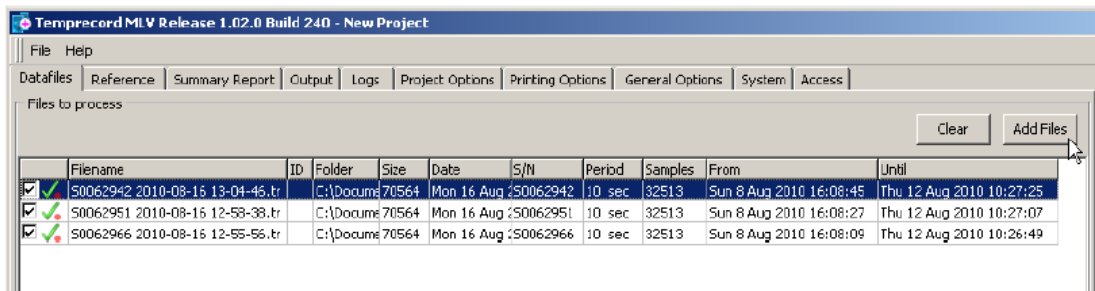
Click the **Add Files** button:



You will be presented with a dialog that by default only shows Temprecord data files (*.TR):

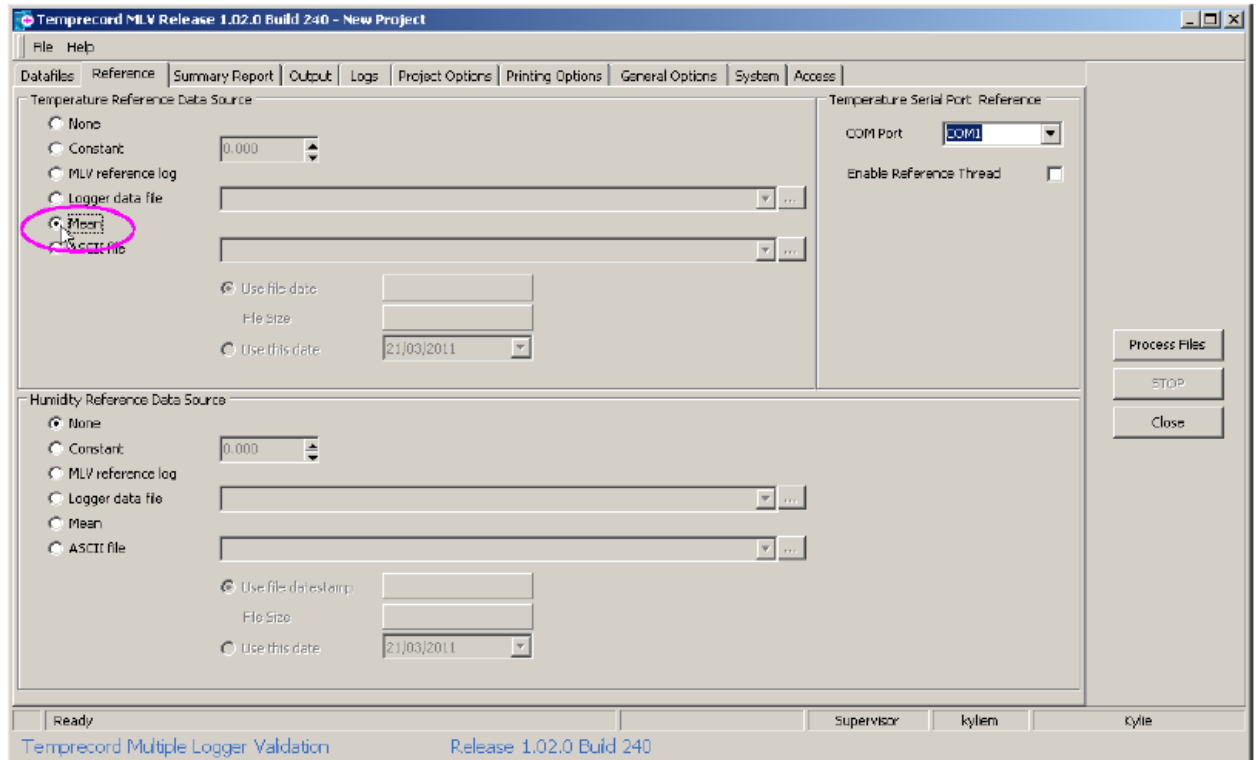


If the folder shown is not the one with the files you wish to analyze you should navigate to that folder. Select one or more files. To select one file, just click on its name. To select multiple files, hold the **Ctrl** key down as you click. When you have selected your data files, click the **Open** button. The files should then appear in the **Files to process** list:



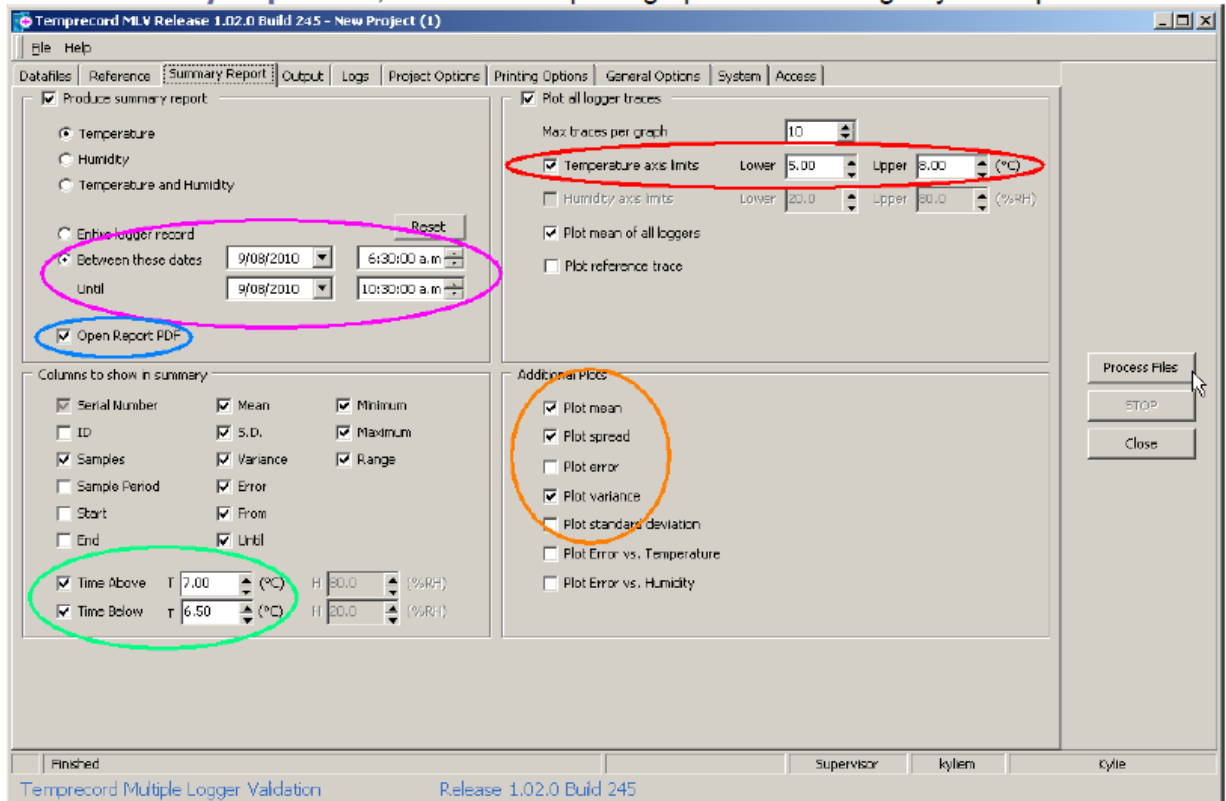
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Now click on the **Reference** tab and select **Mean** as the **Temperature Reference Data Source** (this will compare the data in each of the loggers with the average or mean value of the loggers as the reference):




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Now click the **Summary Report** tab, and set the reporting options according to your requirements.



In this example, the following specific features have been made use of:

- ■ Reporting over a specific time interval.
- ■ Automatically opening the PDF report for inspection when **MLV** has completed processing.
- ■ Getting additional statistics for time spend above and below temperature limits (these limits will also be shown as a horizontal dotted line on the graph).
- ■ Specifying a fixed upper and lower temperature axis range (if this option is not selected **MLV** will scale the vertical axis to show the full range of the plotted parameters).
- ■ Specifying additional plots for the mean, spread and variance of the plotted data.

Now all there is left to do is to click the  button, and wait a few seconds for **MLV** to produce and open your PDF report.

Remember to save the MLV software file to a folder and give it a name. The name provided will then become the Project Name. The project may contain multiple PDF generated reports all filed under the same project.

Note, there are many more features in this software. Please use the Help document built into the software either in **Help Menu** or in the **User's Manual** via the Start Menu as shown at foot of page 1.