

1.0 Quick Start

This tool was developed using Microsoft Excel™ 2007 and 2010, and has had limited testing to confirm that it is functional with Excel 2003. There are some charts, however, that will only work with Excel 2007/2010.

ECAM requires continuous, uniform interval data. Change-of-value data, or data with different parameters stored at different time intervals, must be pre-processed before using it with ECAM. The basic charting of data will work with non-uniform timestamps, but if there are multiple points from the BAS, all with different timestamps, then some pre-processing must be done. One tool designed to assist and automate such pre-processing is the Universal Translator (UT), available at www.utoonline.org. The UT is a program that assists in processing and merging data that has non-uniform time intervals or data that are stored in multiple files. The UT interpolates data that is not uniform to form a uniform data series. A guide describing how to merge data with UT can be found at <http://www.pnl.gov/buildingretuning/ecam.stm>.

1.1 Installation

ECAM is an Excel Add-In. First, download the add-in file, and save the tool file in your chosen location. Please note that Microsoft Add-Ins is installed, by default, in a common location, such as “Documents and Settings” folder. It can, however, be saved to any location.

To install the application, open Excel and perform the following steps:

1.1.1 Excel 2003

Go to Tools, Add-Ins, and Browse to the location where the file was saved. Select the filename, and click OK. “ECAM” will be in the list of Add-Ins. There will also be a Menu called ECAM in the Excel Toolbar.

1.1.2 Excel 2007/2010

Click on the Office Button, and then click “Excel Options.” Click on “Add-Ins” on the left side of the window. At the bottom of the subsequent window, make sure that “Excel Add-Ins” is visible in the drop-down next to “Manage.” Click the adjacent “Go...” button. Then Browse to the location where the file was saved. Select the filename, and click OK. “ECAM” will be in the list of Add-Ins. An ECAM menu will be available under the Add-Ins menu.