A Spreadsheet tool for the visualization of long term calibration series parameters. J. del Pino, Institute of Astronomy, University of Latvia. Boulevard Rainis 19, Riga LV1586, Latvia, jorge.delpino@lu.lv

Since 2004 at the Potsdam SLR and recently (2013) at the Riga SLR stations, a suite of Excel® applications has been implemented and used to generate station statistics and graphs in a consistent manner.
The results can be easily exported into other applications, saving time and effort for example, on the generation of station reports.

One subset of this spreadsheet suite uses the information from each calibration filter procedure to generate long term yearly and multiyear time series plots and associated histograms.

This helps to identify jumps and drifts on the time series and visualize associated statistics.
This is especially useful when reanalyzing old data as a complement to the station logs information.

In our case, each calibration single result used as input should contain the: mean value, standard and mean deviation, skewness, kurtosis and bias and additional information as epoch and the amount of laser shots used during the calibration/filtering process.

The requisites to use the suite are simple:

- The suit is compatible from Office97® upwards.
- The automatic links between the suite applications has to be adapted by the user to fit their file organization.
- The preferred input format is a single line per calibration CSV file.
- The calibration data filtering program should generate all the standard statistical parameters, epoch and the number of laser shots used during calibration, and input/output for the filtering process.

The used of this or a similar spreadsheet application in a consistent manner should be part of the "best practice" procedures on each SLR station.