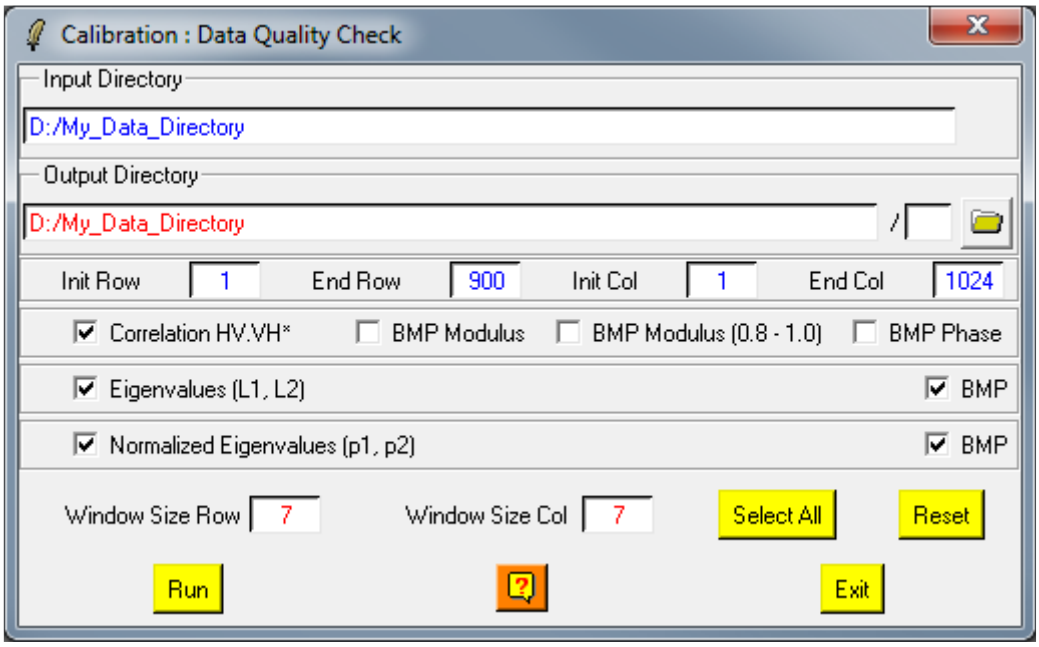
Calibration - Quality Check



Description:

This function is used to apply a Polarimetric Calibration Quality Check functionality on (2x2) Sinclair matrix (**[S2]**) raw binary data format.
This functionality is based on the derivation of the polarimetric correlation between HV and VH channels and also on the derivation of the eigenvalues and normalized eigenvalues of the corresponding (3x3) complex Coherency Matrix (**[T3]**).

This Application can only be applied on (2x2) Sinclair matrix (**[S2]**) raw binary data format.

Comments:

Parameters written in Red can be modified directly by the user from the keyboard.

Input/Output Arguments:

Input Directory	Indicates the location of the considered **Main Directory (MD)** containing the polarimetric data sets to be filtered.
Output Directory	Indicates the location of the data output directory. The default value is set automatically to : **Main Directory**.

Output Image Number of Rows/Columns:

The output image numbers of rows and columns are initialised to the input data set dimensions.
Users wishing to process a sub-part of the initial image can modify the **Init** and **End** values of the converted images rows and columns.
Note: init and end values have to remain within the range defined by the input image dimensions.

Calibration Parameters:

Window size Row	Users have to set the size of the sliding window along the **Row direction** used to compute the local estimate of the average matrix. The default value is set to **7**.
Window size Col	Users have to set the size of the sliding window along the **Col direction** used to compute the local estimate of the average matrix. The default value is set to **7**.