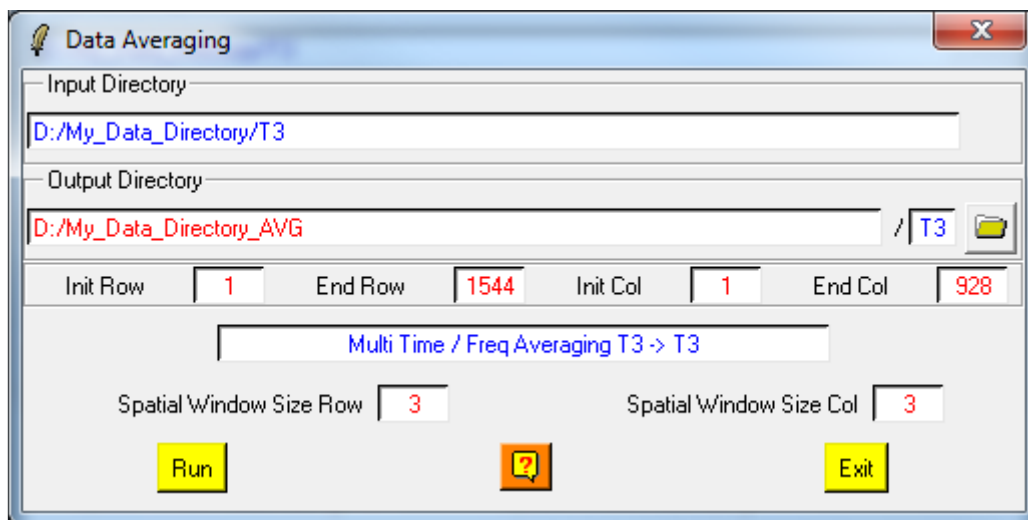


## Data Averaging



The screenshot shows the 'Data Averaging' window with the following fields and controls:

- Input Directory:** D:/My\_Data\_Directory/T3
- Output Directory:** D:/My\_Data\_Directory\_AVG / T3
- Init Row:** 1
- End Row:** 1544
- Init Col:** 1
- End Col:** 928
- Processing Mode:** Multi Time / Freq Averaging T3 -> T3
- Spatial Window Size Row:** 3
- Spatial Window Size Col:** 3
- Buttons:** Run, Help (question mark icon), Exit

### Description:

Creates a time-series averaged raw binary data sets constructed from time-series polarimetric raw binary data sets.

The data averaging is a combination of a spacial averaging (sliding window) and time averaging (time domain along the time series)

### Comments:

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

### Input/Output Arguments:

<b>Input Directory</b>	Indicates the complete location of the considered <b>Main Directory (MD)</b> containing the [S2] matrix data to be processed.
<b>Output Directory</b>	Indicates the location of the processed data output directory. The default value is set automatically to : <b>Main Directory_AVG (MD_AVG)</b> .

### 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.

## Processing Parameters:

**Window size**    Users have to set the size of the ( $N \times N$ ) sliding window used to compute the local estimate of the average matrix.  
The default value of  $N$  is set to **7**.

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