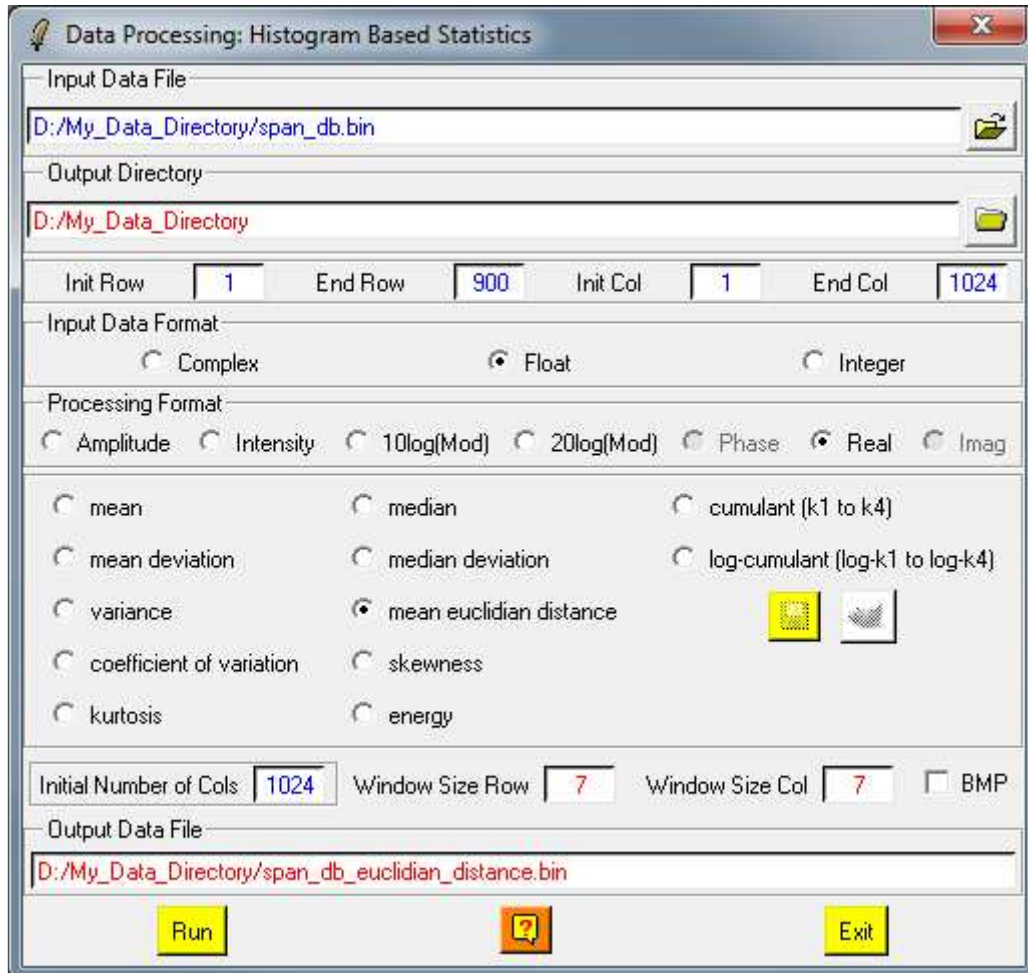


Histogram Based Statistics



Data Processing: Histogram Based Statistics



Input Data File:

Output Directory:

Init Row: End Row: Init Col: End Col:


Input Data Format: ☐ Complex ☒ Float ☐ Integer

Processing Format: ☐ Amplitude ☐ Intensity ☐ 10log(Mod) ☐ 20log(Mod) ☐ Phase ☒ Real ☐ Imag

☐ mean ☐ median ☐ cumulant (k1 to k4)
☐ mean deviation ☐ median deviation ☐ log-cumulant (log-k1 to log-k4)
☐ variance ☒ mean euclidian distance  
☐ coefficient of variation ☐ skewness
☐ kurtosis ☐ energy

Initial Number of Cols: Window Size Row: Window Size Col: ☐ BMP

Output Data File:



Description:

Creates binary files corresponding to different statistical parameters constructed from polarimetric raw binary data.

An option may be set to simultaneously create the corresponding bitmap image files

Comments:

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

Input/Output Arguments:

Input data file	Indicates the complete location of the considered polarimetric data file to be analysed.
Output Directory	Indicates the location of the processed data output directory. The default value is set automatically to : Main Directory (MD).

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*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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