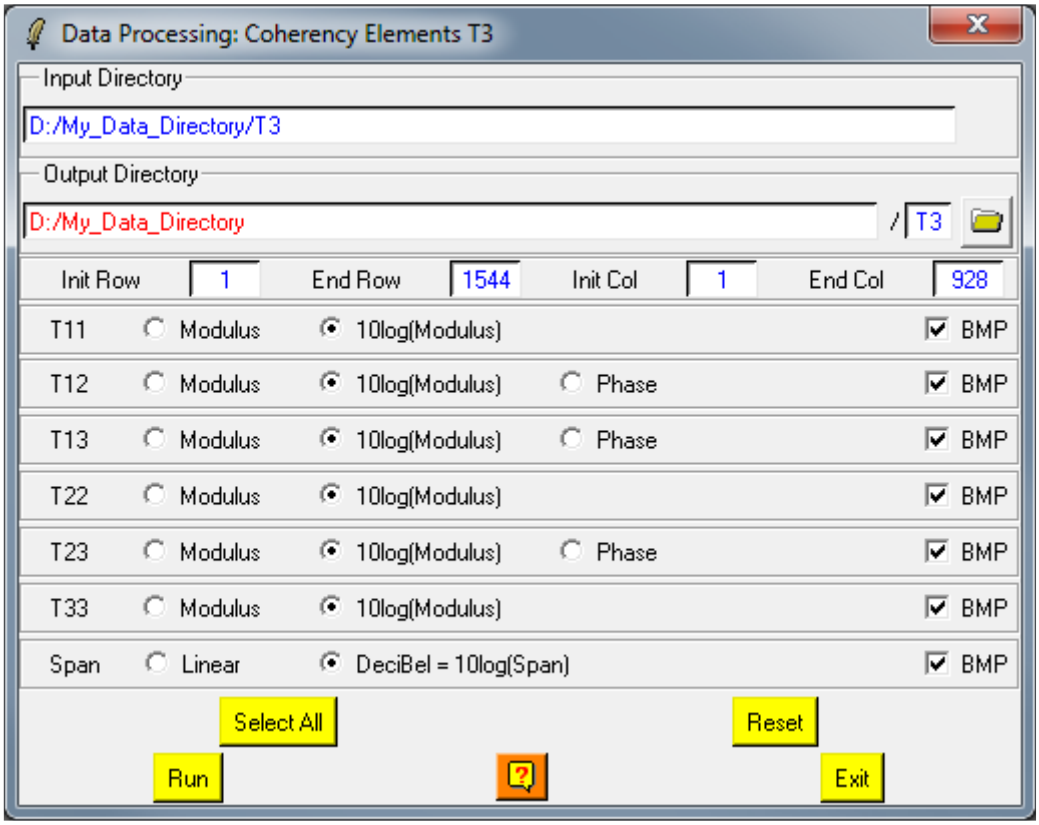
Coherency [T3] matrix Elements Processing



Description:

Creates binary files corresponding to the modulus and argument of the (3x3) complex Coherency matrix (**[T3]**) 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 Directory	Indicates the complete location of the considered **MainDirectory / T3 (MD / T3)** containing the **[T3]** matrix data to be processed.
Output Directory	Indicates the location of the processed data output directory. The default value is set automatically to : **MainDirectory / T3 (MD / T3)**.

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.

Selection of the Channels to be Processed:

Several channels may be processed at a time. The selection of the BMP options enables the creation of output bmp files.
Users may choose between three types of output binary data :

- Modulus : Linear representation of the considered **[T3]** element amplitude. Ouput file name : Tij_mod.bin (.bmp)
- Modulus : Element amplitude in dB=10log10(Modulus). Ouput file name : Tij_dB.bin (.bmp)
- Phase : Argument of the considered complex **[T3]** element (Only available for off-diagonal elements). Ouput file name : Tij_pha.bin (.bmp)

- Span : Correspond to the sum of the diagonal elements of **[T3]**, may also be processed (linear and dB) using this program.