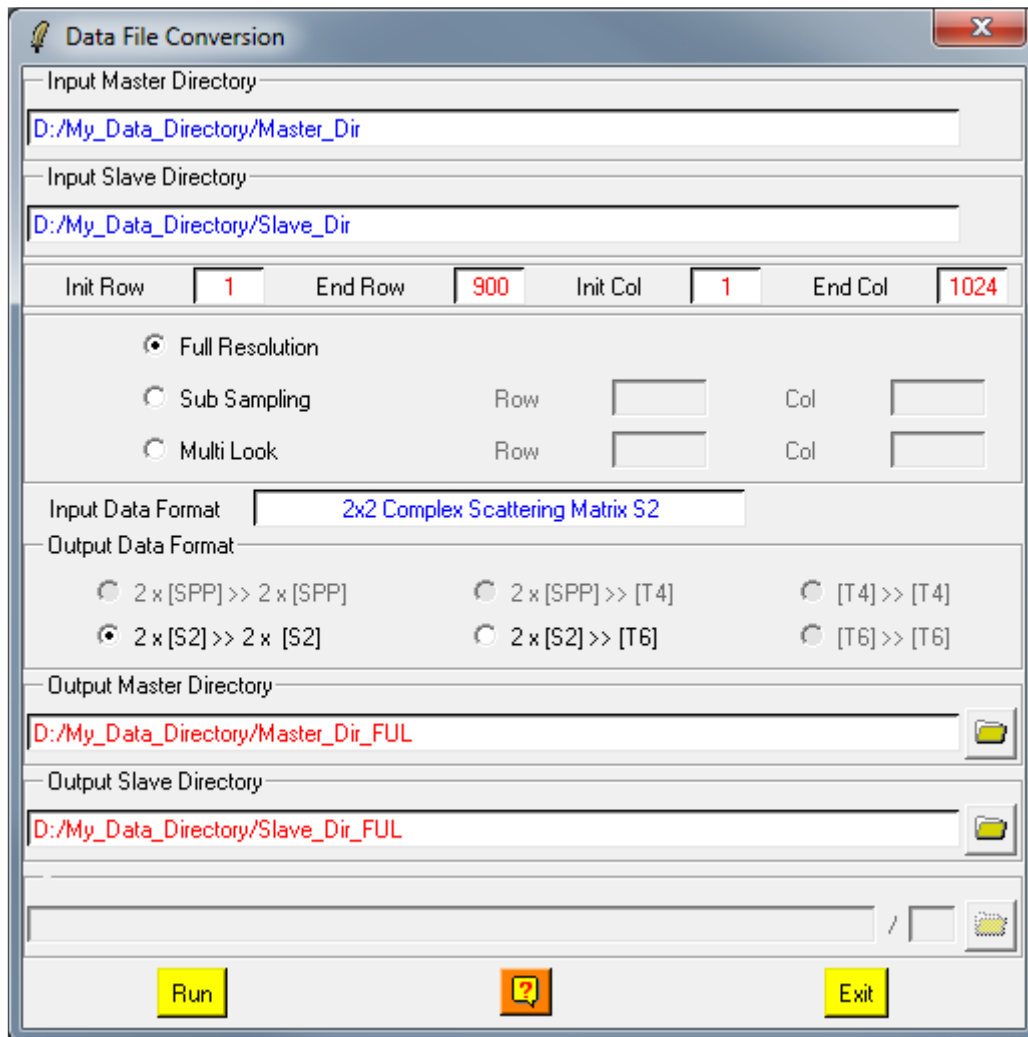


Data Convert



Description:

This Application is used to convert raw binary data from a standard polarimetric format ([S2], [T6]) or ((Sxx, Sxy), [T4]) to another one.

It is possible to extract the full image and to apply or not a sub-sampling or multilooking operation.

Comments:

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

Input/Output Arguments:

Input Master Directory Indicates the location of the considered **Main Master Directory (MD)** containing the data files to be converted.

- Input Slave Directory** Indicates the location of the considered **Main Slave Directory (MD)** containing the data files to be converted.
- Output Master Directory** Indicates the location of the converted data output Master directory.
- Output Slave Directory** Indicates the location of the converted data output Slave directory.
- or
- Output Master Slave Directory** Indicates the location of the converted data output Master-Slave directory.

Output Image Number of Rows/Columns:

The output image numbers of rows and columns are fixed to the input data set dimensions.

Processing Parameters:

- Full Resolution** This corresponds to a one-to-one conversion without applying any data averaging.
The extracted raw binary data has the same size than the source raw binary data.
- Sub Sampling** This selection offers the possibility to perform a sub-sampling operation during the conversion of the polarimetric data files.
- Multi Look** This selection offers the possibility to perform an incoherent multilooking operation during the conversion of the polarimetric data files.

Output Data Format:

According to the input data format, indicated in the widget, different compatible output data formats are proposed according the following table:

Processing Input Data Format	Full Resolution Sub Sampling	Multi Look
2 x (2x2) Sinclair matrix [S2]	2 x [S2], [T6]	[T6]
(6x6) Coherency matrix [T6]	[T6]	[T6]
2 x Dual Polarimetric Elements (Sxx, Sxy)	2 x [S2], [T4]	[T4]
(4x4) Coherency matrix [T4]	[T4]	[T4]

By ticking the appropriate box, users may indicate PolSARpro to toggle between these binary data formats before converting the polarimetric data files.

Note: In order to have a complete description of the different polarimetric standard data formats compatible, open the help file *Standard Data Format* in the PolSARpro Main Menu
