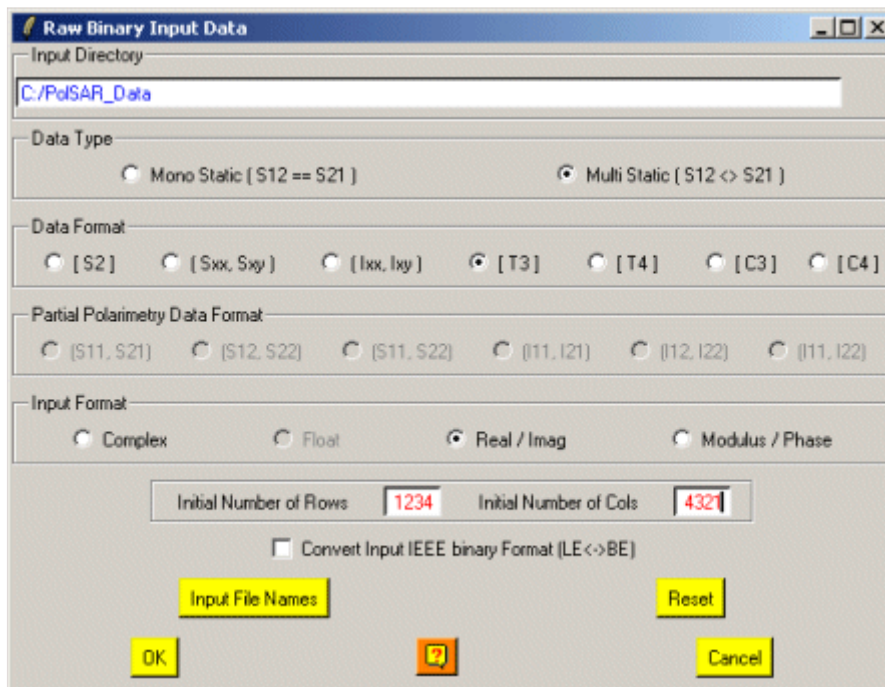# Raw Binary Data – Input Data File

Description:

This Application is used to import and convert external fully polarimetric raw binary data to PolSARpro compatible raw binary data.

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 data files to be converted.
Data Type	Correspond to the encoded data type used: monostatic (s12 = s21) or multistatic (s12 <> s21). . By ticking the appropriate box, users may indicate PolSARpro to toggle between these two binary data types before converting the polarimetric data files.
Data Format	Correspond to the encoded data format used. By ticking the appropriate box, users may indicate PolSARpro to toggle between these two binary data formats before converting the polarimetric data files.
Partial Polarimetry Data Format	Correspond to the encoded data format used in the case of Dual Polarimetric Data Format. By ticking the appropriate box, users may indicate PolSARpro to toggle between these two binary data

formats before converting the polarimetric data files.

Input Format   How binary data associated to complex variables are coded :
- Complex : One file of interlaced float numbers representing real and imaginary parts (one file of 2x4-bytes float numbers).
- Real / Imag : Two files of float numbers representing either real part or imaginary part (two files of 4-bytes float numbers).
- Modulus / Phase : Two files of float numbers representing either modulus or phase (two files of 4-bytes float numbers).

Initial Number of Rows/Columns:

Users have to provide the considered image **Initial Number of Rows and Columns.**

Convert Input IEEE Binary Format:

Binary data may be encoded according to the **IEEE Little Endian** or **Big Endian** convention according to the type of architecture or operating system of the computer used to process SAR data.

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

Input Files Names

Correspond to the input polarimetric channel data files, encoded using the format, to be processed and imported.