ESAR Input Data File

Description:

This program sets and configures the main characteristics of the Input Data Files in order to convert polarimetric data sets encoded using the ESAR specific data format to PolSARpro compatible 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 ESAR data files to be converted.
Input Data Files	Correspond to the input polarimetric channel data files, encoded using the ESAR format, to be processed.

ESAR Data Format

User has two select between two input data format: RGI (corresponding to SLC Slant Range data) or GTC (corresponding to SLC Geocoded Ground Range data). Both data formats correspond to complex data format (2 x 4 bytes)

Initial Number of Rows/Columns:

Input ESAR data files may, or not, contain a header block describing some of the polarimetric data characteristics and particularly the number of rows and columns.

- If the input file contains a header, users have to select the header mode by ticking the **Header Option.** .
- If the input file does not contain a header, 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.
