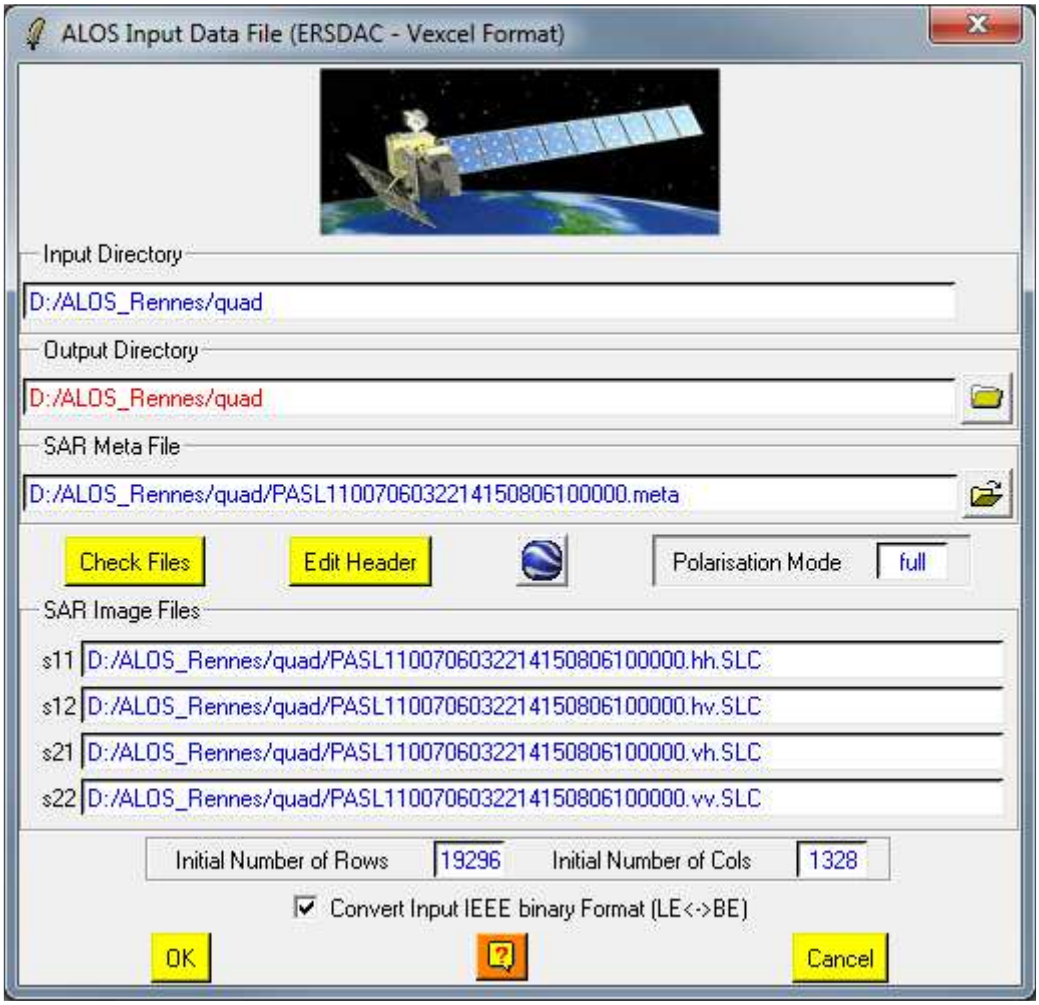
ALOS Input Data File (ERSDAC – Vexcel Format)



Description:

This program sets and configures the main characteristics of the Input Data Files in order to convert polarimetric data sets encoded using the ALOS / PALSAR Vexcel 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 ALOS / PALSAR data file to be converted.
Output Directory	Indicates the location of the converted data output directory

SAR Meta File Correspond to an ALOS / PALSAR Leader (Meta) File

Check Files:

SAR Image Files From the input ALOS / PALSAR Meta File, this functionality automatically extracts the **Scene ID**, the **Product ID** and the polarization channels that are used to initialise the four SLC SAR Image file names.

- PASLxxxxxxxxxxxxxxxxxx.hh.SLC
- PASLxxxxxxxxxxxxxxxxxx.hv.SLC
- PASLxxxxxxxxxxxxxxxxxx.vh.SLC
- PASLxxxxxxxxxxxxxxxxxx.vv.SLC

Edit Header:

Edit Header Input ALOS / PALSAR Leader and Image data files contain header blocks describing the polarimetric data characteristics and particularly the number of rows and columns which will be automatically initialised.
The output header ascii file is:

- Product_header.txt

If Google Earth application is installed on the machine, users have the possibility to visualize the footprint of the measured scene.

Initial Number of Rows/Columns:

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

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.