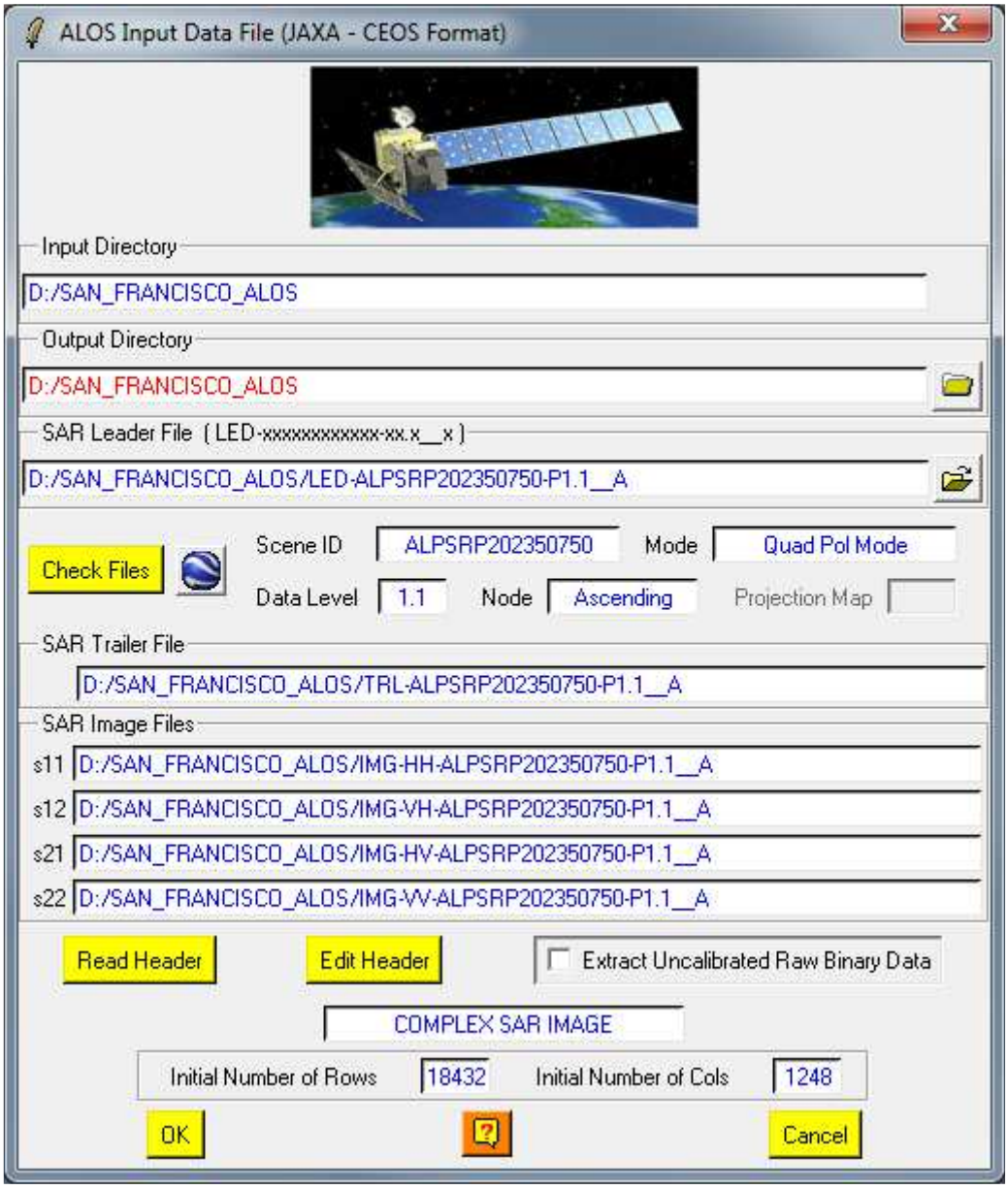
ALOS Input Data File (JAXA – CEOS Format)



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 CEOS 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 Leader File Correspond to the ALOS / PALSAR Leader File (LED-XXXXX)

Check Files:

Scene ID
Product ID
SAR Trailer File
SAR Image Files

From the input ALOS / PALSAR Leader File, this functionality automatically extracts the **Scene ID** and the **Product ID** that are used to initialise the SAR Trailer File name and the four SAR Image file names.

- TRL-SCENE_ID-PRODUCT_ID
- IMG-HH-SCENE_ID-PRODUCT_ID
- IMG-HV-SCENE_ID-PRODUCT_ID
- IMG-VH-SCENE_ID-PRODUCT_ID
- IMG-VV-SCENE_ID-PRODUCT_ID

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

Read/Edit Header:

Read Header Input ALOS / PALSAR Leader and Trailer 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 files are:

- leader_ceos.txt
- image_ceos.txt
- trailer_ceos.txt

Edit Header Users have the possibility to edit the different header files.

Extract Uncalibrated Raw Binary Data Using this functionality, it will be possible to extract the polarimetric raw binary files after having applied a data un-calibration procedure. The calibration parameters used in this procedure are extracted from the different header blocks.

ALOS Data Level Correspond to the ALOS / PALSAR Data Level (Product 1.1 or Product 1.5) and provide the Data Type

Initial Number of Rows/Columns:

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