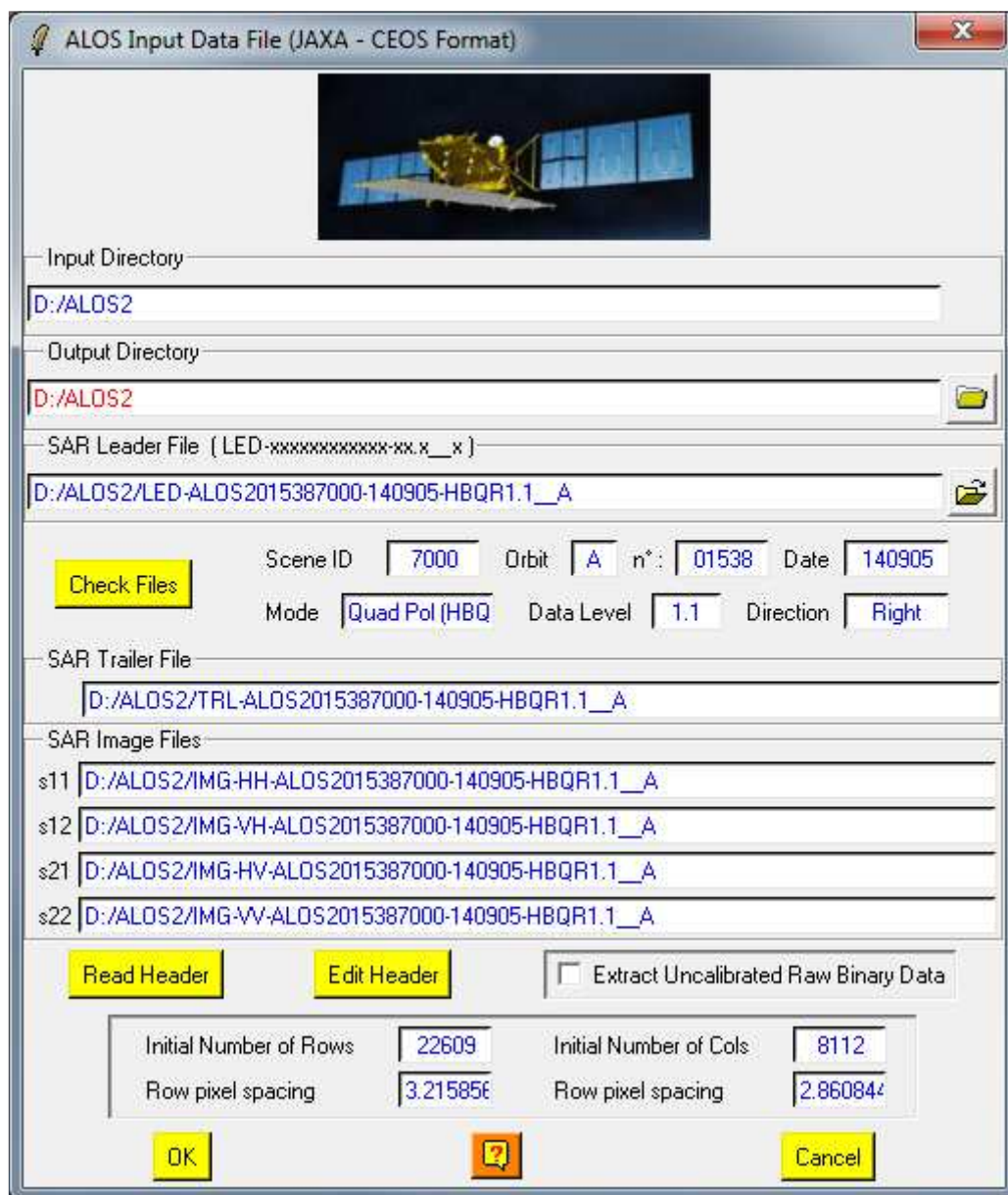


ALOS2 Input Data File (JAXA – CEOS Format)



ALOS Input Data File (JAXA - CEOS Format)

Input Directory: D:/ALOS2

Output Directory: D:/ALOS2

SAR Leader File (LED-xxxxxxxxxx.x_x): D:/ALOS2/LED-ALOS2015387000-140905-HBQR1.1__A

Scene ID: 7000 Orbit: A n*: 01538 Date: 140905

Mode: Quad Pol (HBQ) Data Level: 1.1 Direction: Right

SAR Trailer File: D:/ALOS2/TRL-ALOS2015387000-140905-HBQR1.1__A

SAR Image Files:

- §11 D:/ALOS2/IMG-HH-ALOS2015387000-140905-HBQR1.1__A
- §12 D:/ALOS2/IMG-VH-ALOS2015387000-140905-HBQR1.1__A
- §21 D:/ALOS2/IMG-HV-ALOS2015387000-140905-HBQR1.1__A
- §22 D:/ALOS2/IMG-VV-ALOS2015387000-140905-HBQR1.1__A

Read Header Edit Header ☐ Extract Uncalibrated Raw Binary Data

Initial Number of Rows: 22609 Initial Number of Cols: 8112

Row pixel spacing: 3.215856 Row pixel spacing: 2.860844

OK Cancel

Description:

This program sets and configures the main characteristics of the Input Data Files in order to convert polarimetric data sets encoded using the [ALOS2 / 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 ALOS2 / PALSAR data file to be converted.
Output Directory	Indicates the location of the converted data output directory
SAR Leader File	Correspond to the ALOS2 / PALSAR Leader File (LED-XXXXX)

Check Files:

Scene ID	From the input ALOS2 / 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. <ul style="list-style-type: none">• 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
Product ID	
SAR Trailer File	
SAR Image Files	

Read/Edit Header:

Read Header	Input ALOS2 / 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: <ul style="list-style-type: none">• 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 uncalibration procedure. The calibration parameters used in this procedure are extracted from the different header blocks.
ALOS Data Level	Correspond to the ALOS2 / PALSAR Data Level (Product 1.1) 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.
