

## FSAR Input Data File



The screenshot shows the 'FSAR Input Data File' dialog box. It contains several input fields for directories and files, a table of parameters, and a section for input data files.

Parameter	Value	Parameter	Value
Frequency	1.3250000e+09	Calibration	beta0
Range Resolution (m)	1.2800000	Azimuth Resolution (m)	0.60000002
Pixel Spacing in Range (m)	0.59941552	Pixel Spacing in Azimuth (m)	0.38041938

Input Data Files:

- Input Data File { s11 } : D:/DisqueLocalD/FSAR/RGI/RGI-SR/slc\_14op14af0602\_Lhh\_tcal06.rat
- Input Data File { s12 } : D:/DisqueLocalD/FSAR/RGI/RGI-SR/slc\_14op14af0602\_Lhv\_tcal06.rat
- Input Data File { s21 } : D:/DisqueLocalD/FSAR/RGI/RGI-SR/slc\_14op14af0602\_Lvh\_tcal06.rat
- Input Data File { s22 } : D:/DisqueLocalD/FSAR/RGI/RGI-SR/slc\_14op14af0602\_Lvv\_tcal06.rat

Initial Number of Rows: 9472 Initial Number of Cols: 3640

### Description:

This program sets and configures the main characteristics of the Input Data Files in order to convert polarimetric data sets encoded using the **FSAR** 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:

<b>Input Directory</b>	Indicates the location of the considered <b>Main Directory (MD)</b> containing the FSAR data files to be converted.
<b>F-SAR RGI Directory</b>	Indicates the location of the RGI Directory : RGI = SLC Slant Range data
<b>F-SAR XML Product File</b>	Correspond to the F-SAR product File (product.xml)
<b>Input Data Files</b>	Correspond to the input polarimetric channel data files, encoded using the FSAR format, to be processed.

## ESAR Data Format

User has two select between two input data format: RGI (corresponding to) 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**.
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