RADARSAT-2 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 RADARSAT-2 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 RADARSAT 2 data file to be converted.
Output Directory	Indicates the location of the converted data output directory

SAR Product File	Correspond to the RADARSAT 2 product File (product.xml)
Output Scaling Look-Up-Table	Three output scaling Look-up Tables (LUTs) are included with every product and allow one to convert the digital numbers found in the output product to sigma-nought, beta-nought, or gamma-nought values (depending on which LUT is used) by applying a range dependent gain to the SAR imagery.

Read/Edit Header:

Read Header	Input RADARSAT 2 Product file contains header blocks describing the polarimetric data characteristics The output header ascii file is: • Product_header.txt • Product_lut.txt
Edit Header	Users have the possibility to edit the product header file.
Polarisation Mode	Correspond to the RADARSAT-2 encoded data format used. Full for quad-pol data or PP1, PP2, PP3 for dual-pol data according to the polarimetric channel combination.
	If Google Earth application is installed on the machine, users have the possibility to visualize the footprint of the measured scene
Input Data Files	Correspond to the input polarimetric channel data files, encoded using the RADARSAT-2 format, to be processed.

Initial Number of Rows/Columns:

Users have to provide the considered image **Initial Number of Rows and Columns.**