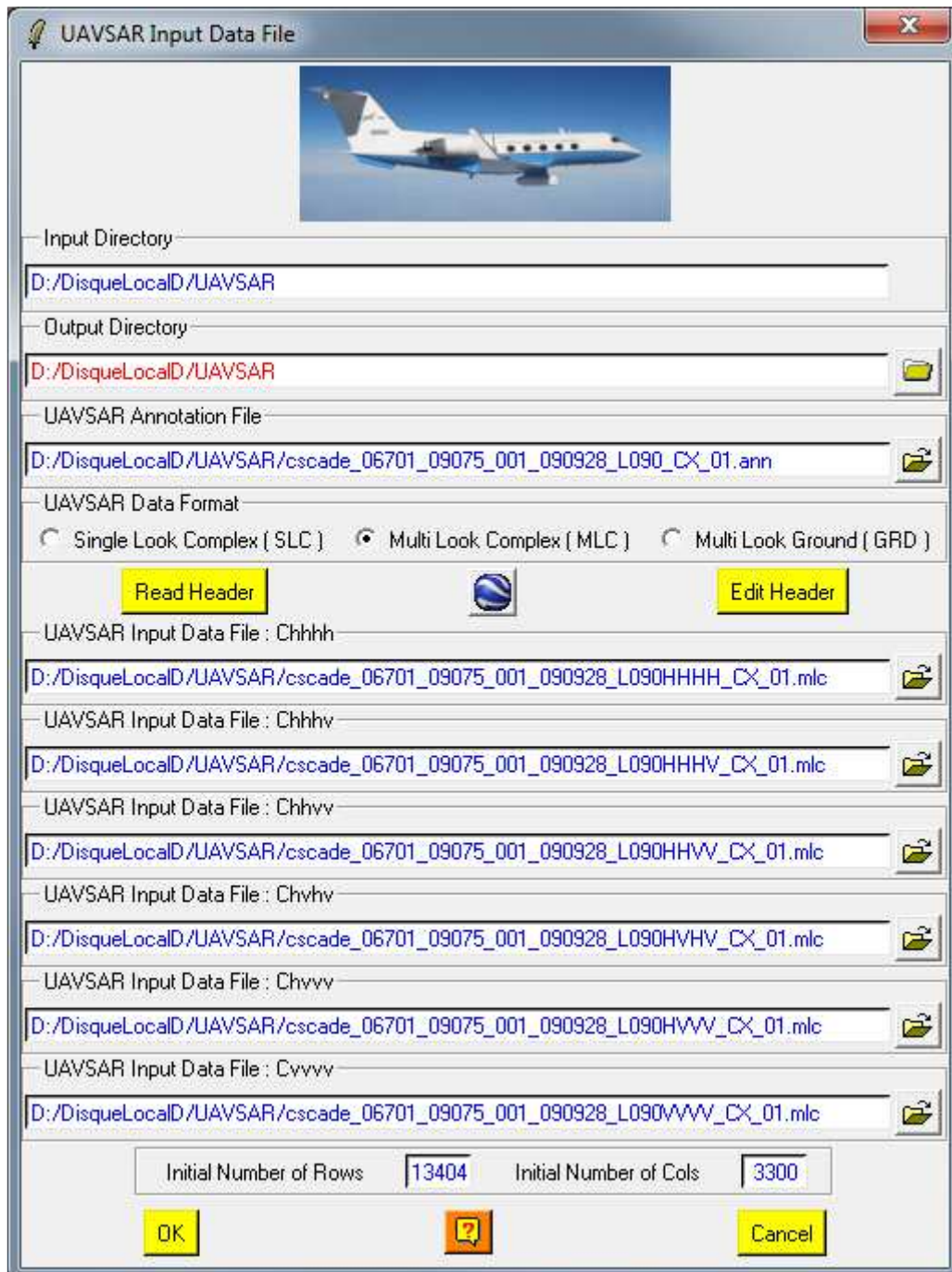


UAVSAR Input Data File



The screenshot shows the 'UAVSAR Input Data File' dialog box. It features a header image of a UAVSAR aircraft. Below the header, there are several input fields and buttons. The 'Input Directory' is set to 'D:/DisqueLocalD/UAVSAR'. The 'Output Directory' is also set to 'D:/DisqueLocalD/UAVSAR'. The 'UAVSAR Annotation File' is 'D:/DisqueLocalD/UAVSAR/cscade_06701_09075_001_090928_L090_CX_01.ann'. The 'UAVSAR Data Format' is set to 'Multi Look Complex (MLC)'. There are buttons for 'Read Header' and 'Edit Header'. Below these, there are several input fields for 'UAVSAR Input Data File' with different polarization combinations: 'Chhhh', 'Chhhv', 'Chhvv', 'Chvvv', 'Cvvvv'. Each field has a corresponding file path and a folder icon. At the bottom, there are fields for 'Initial Number of Rows' (13404) and 'Initial Number of Cols' (3300). There are 'OK', 'Cancel', and a help icon at the bottom.

UAVSAR Input Data File

Input Directory: D:/DisqueLocalD/UAVSAR

Output Directory: D:/DisqueLocalD/UAVSAR

UAVSAR Annotation File: D:/DisqueLocalD/UAVSAR/cscade_06701_09075_001_090928_L090_CX_01.ann

UAVSAR Data Format: ☒ Single Look Complex (SLC) ☒ Multi Look Complex (MLC) ☐ Multi Look Ground (GRD)

Read Header Edit Header

UAVSAR Input Data File : Chhhh
D:/DisqueLocalD/UAVSAR/cscade_06701_09075_001_090928_L090HHHH_CX_01.mlc

UAVSAR Input Data File : Chhhv
D:/DisqueLocalD/UAVSAR/cscade_06701_09075_001_090928_L090HHHV_CX_01.mlc

UAVSAR Input Data File : Chhvv
D:/DisqueLocalD/UAVSAR/cscade_06701_09075_001_090928_L090HHVV_CX_01.mlc

UAVSAR Input Data File : Chvvv
D:/DisqueLocalD/UAVSAR/cscade_06701_09075_001_090928_L090HVHV_CX_01.mlc

UAVSAR Input Data File : Cvvvv
D:/DisqueLocalD/UAVSAR/cscade_06701_09075_001_090928_L090VVVV_CX_01.mlc

Initial Number of Rows: 13404 Initial Number of Cols: 3300

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 UAVSAR 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 UAVSAR data file to be converted.
Output Directory	Indicates the location of the converted data output directory
UAVSAR Annotation File	Correspond to the UAVSAR product File (.ann)
Data Format	Correspond to the input UAVSAR data format. The denomination SLC stands for Single Look Complex (Sinclair [S2] matrix) , MLC and MLG stand respectively for Multi Look Complex and Multi-Look Ground (Covariance [C3] matrix). By ticking the appropriate box, users may indicate PolSARpro to toggle between these three binary data formats before converting the polarimetric data files.
UAVSAR Input Data Files	Corresponds to the four polarimetric input UAVSAR format data files to be processed in case of SLC data format, or to the nine polarimetric input UAVSAR format data files in case of MLC or MRG data format.

Read/Edit Header:

Read Header	Input annotation file contains informations about the polarimetric data acquisition characteristics and particularly the name of the polarimetric datafiles to be processed.
Edit Header	Users have the possibility to edit the different header of the input data file.
	If Google Earth application is installed on the machine, users have the possibility to visualize the footprint of the measured scene
