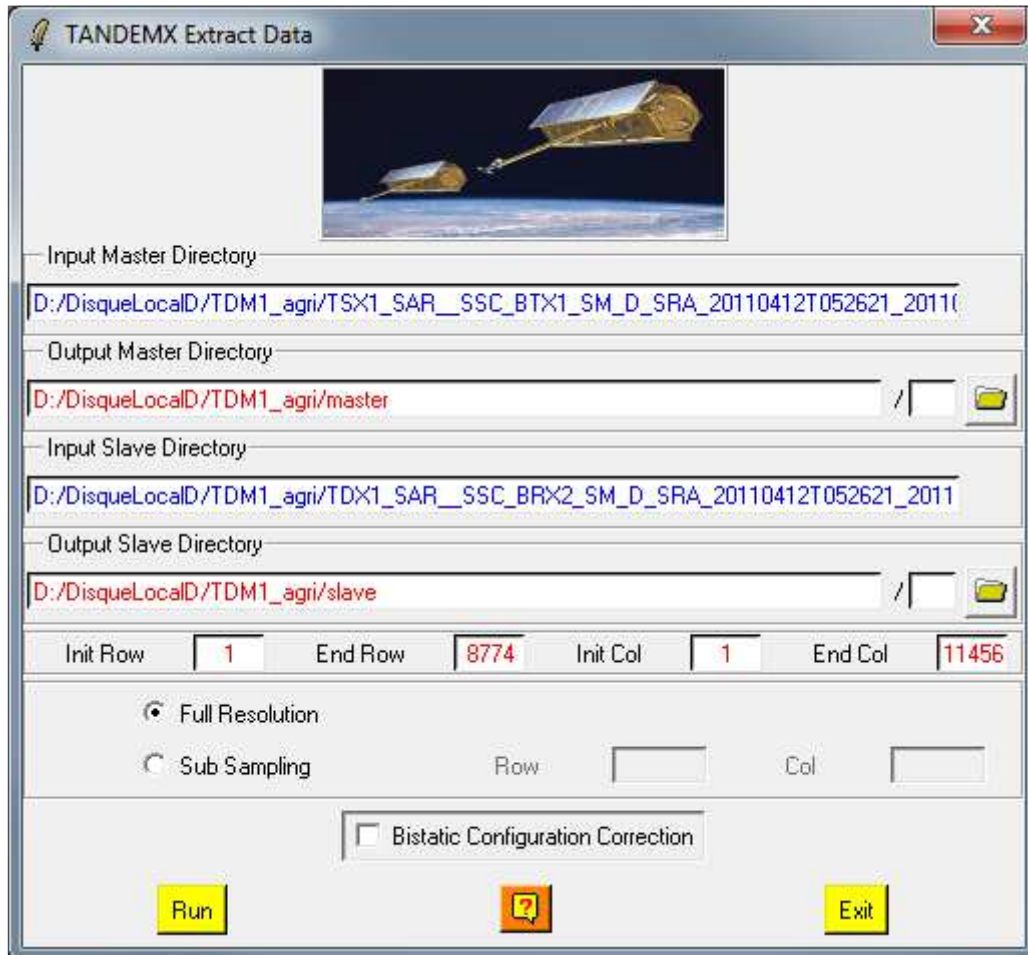


## E.O. - TANDEM-X Extract Data



The screenshot shows the 'TANDEM-X Extract Data' application window. It features a header with a satellite image and a title bar. Below the header, there are four directory input fields: 'Input Master Directory', 'Output Master Directory', 'Input Slave Directory', and 'Output Slave Directory'. Each field contains a file path starting with 'D:/DisqueLocalD/TDM1\_agri/'. Below these fields are four input boxes for 'Init Row', 'End Row', 'Init Col', and 'End Col', with values 1, 8774, 1, and 11456 respectively. There are two radio buttons for 'Full Resolution' (selected) and 'Sub Sampling'. Below these are two empty input boxes for 'Row' and 'Col'. A checkbox for 'Bistatic Configuration Correction' is also present. At the bottom, there are three buttons: 'Run', a help icon (question mark), and 'Exit'.

### Description:

This Application is used to import and convert **TANDEM-X Spaceborne Sensor** fully polarimetric data to **2 x Dual Polarimetric Complex Elements (Sxx, Sxy)**. It is possible to extract the full image or a sub-part of it, and to apply or not a sub-sampling operation.

### Comments:

**Parameters written in Red** can be modified directly by the user from the keyboard.

## Input/Output Arguments:

<b>Input Master / Slave Directories</b>	Indicates the location of the considered <b>Main Directory (MD)</b> containing the Master and Slave data files to be converted.
<b>Output Master / Slave Directories</b>	Indicates the location of the converted data output Master and Slave directories.

## Output Image Number of Rows/Columns:

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

Users wishing to process a sub-part of the initial image can modify the **Init** and **End** values of the converted images rows and columns.

**Note:** init and end values have to remain within the range defined by the input image dimensions.

## Processing Parameters:

<b>Full Resolution</b>	This is the default selection. This corresponds to a one-to-one conversion without applying any data processing. The extracted image has the same format than the source data.
<b>Sub Sampling</b>	This selection offers the possibility to perform a sub-sampling operation during the conversion of the polarimetric data files.

---