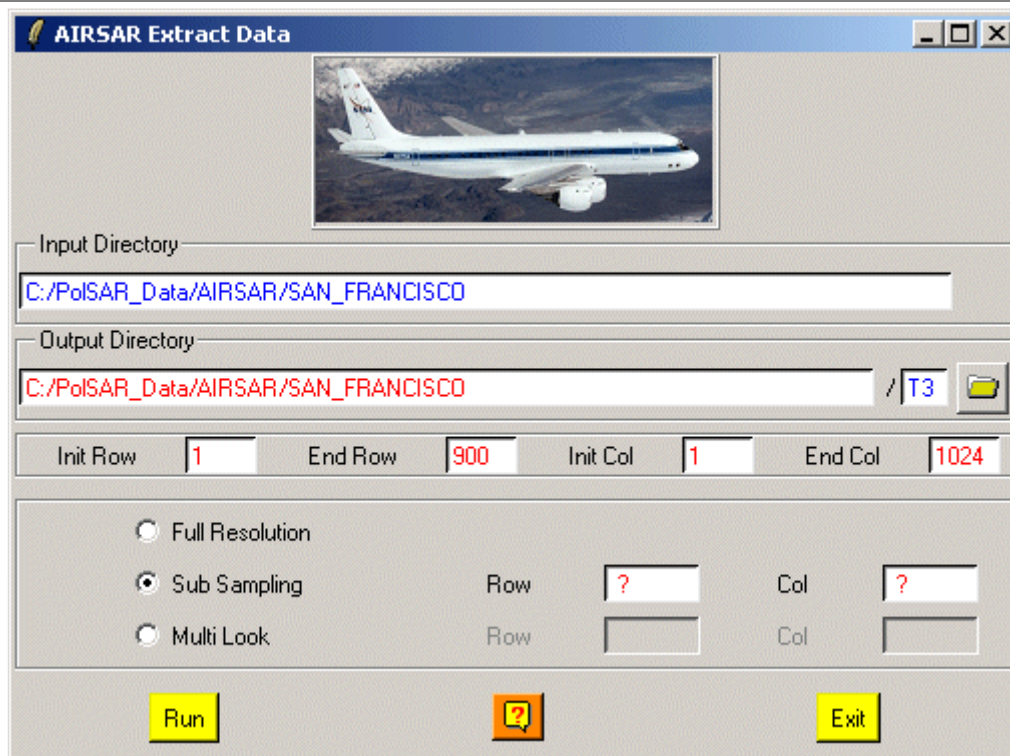


## E.O. - Airborne Sensors Extract Data



The screenshot shows the 'AIRSAR Extract Data' application window. It features a title bar with standard window controls. Below the title bar is a small image of a satellite. The main interface includes two text fields for 'Input Directory' and 'Output Directory', both containing the path 'C:/PolSAR\_Data/AIRSAR/SAN\_FRANCISCO'. Below these are four input fields for 'Init Row' (1), 'End Row' (900), 'Init Col' (1), and 'End Col' (1024). There are three radio buttons for 'Full Resolution', 'Sub Sampling' (selected), and 'Multi Look'. To the right of these are two sets of 'Row' and 'Col' input fields, with the first set containing question marks. At the bottom are three buttons: 'Run', a help icon (question mark in a square), and 'Exit'.

### Description:

This Application is used to import and convert the different [Airborne Sensors](#) and [Spaceborne Sensors](#) fully polarimetric data to complex (3x3) Coherency raw binary data [T3].

It is possible to extract the full image or a sub-part of it, and to apply or not a sub-sampling or multilooking operation.

### 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 data files to be converted.
<b>Output Directory</b>	Indicates the location of the converted data output directory.

### 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.<br>This corresponds to a one-to-one conversion without applying any data processing.<br>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.  |
| <b>Multi Look</b>      | This selection offers the possibility to perform an incoherent multilooking operation during the conversion of the polarimetric data files.  |
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