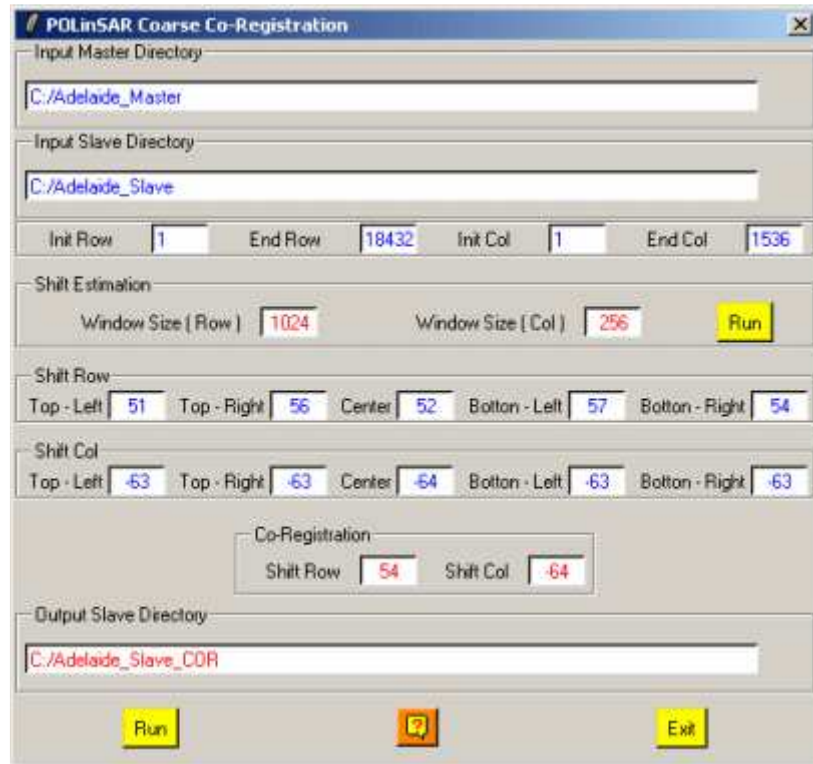


Coarse Coregistration



The screenshot shows the 'POLinSAR Coarse Co-Registration' window. It contains the following fields and controls:

- Input Master Directory:** C:/Adelaide_Master
- Input Slave Directory:** C:/Adelaide_Slave
- Init Row:** 1, **End Row:** 18432, **Init Col:** 1, **End Col:** 1536
- Shift Estimation:**
 - Window Size (Row):** 1024 (red)
 - Window Size (Col):** 256 (red)
 - Run** button
- Shift Row:**
 - Top - Left: 51
 - Top - Right: 56
 - Center: 52
 - Bottom - Left: 57
 - Bottom - Right: 54
- Shift Col:**
 - Top - Left: -63
 - Top - Right: -63
 - Center: -64
 - Bottom - Left: -63
 - Bottom - Right: -63
- Co-Registration:**
 - Shift Row:** 54 (red)
 - Shift Col:** -64 (red)
- Output Slave Directory:** C:/Adelaide_Slave_COR
- Run** button, **Help** icon, and **Exit** button at the bottom.

Description:

This function applies a spectral analysis to estimate the shift, in rows and cols, between time-series **2 x (2x2)** complex Sinclair [S2] raw binary data elements. The Coarse Coregistration is based on amplitude correlation, using five patches over the image (Top-Left, Bottom-Left, Center, Top-Right, Bottom-Right). This function then applies the coarse coregistration on the time-series (2x2) complex Slave Sinclair [S2] raw binary data elements.

Comments:

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

Input/Output Arguments:

Input Reference Directory	Indicates the location of the considered Reference Main Directory (M-MD) containing the polarimetric data sets to be processed.
Input Next Directory	Indicates the location of the considered Next Main Directory (S-MD) containing the polarimetric data sets to be processed.

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.

Shift Estimation:

Window Size Row Users have to set the size of the analysis window along the **Row direction** used to compute the shift estimation.

The default value is set to **1024**.

Window Size Col Users have to set the size of the analysis window along the **Col direction** used to compute the shift estimation.

The default value is set to **256**.

Shift Row / Shift Col:

Display the results of the shift estimation over the five patches used during the spectral analysis

Co-Registration:

Shift Row Users have to set the value of the shift along the **Row direction** that will be used during the coarse coregistration procedure.
The default value is set to the mean value between the estimated values over the five patches.

Shift Col Users have to set the value of the shift along the **Col direction** that will be used during the coarse coregistration procedure.
The default value is set to the mean value between the estimated values over the five patches.

Input/Output Arguments:

Output Next Directory Indicates the location of the processed data output directory.
The default value is set automatically to :
Next-MD_COR (S-MD_COR).
