

Tutorial on SAR, InSAR, PSInSAR

SARPROZ

The SAR processing tool by PeriZ

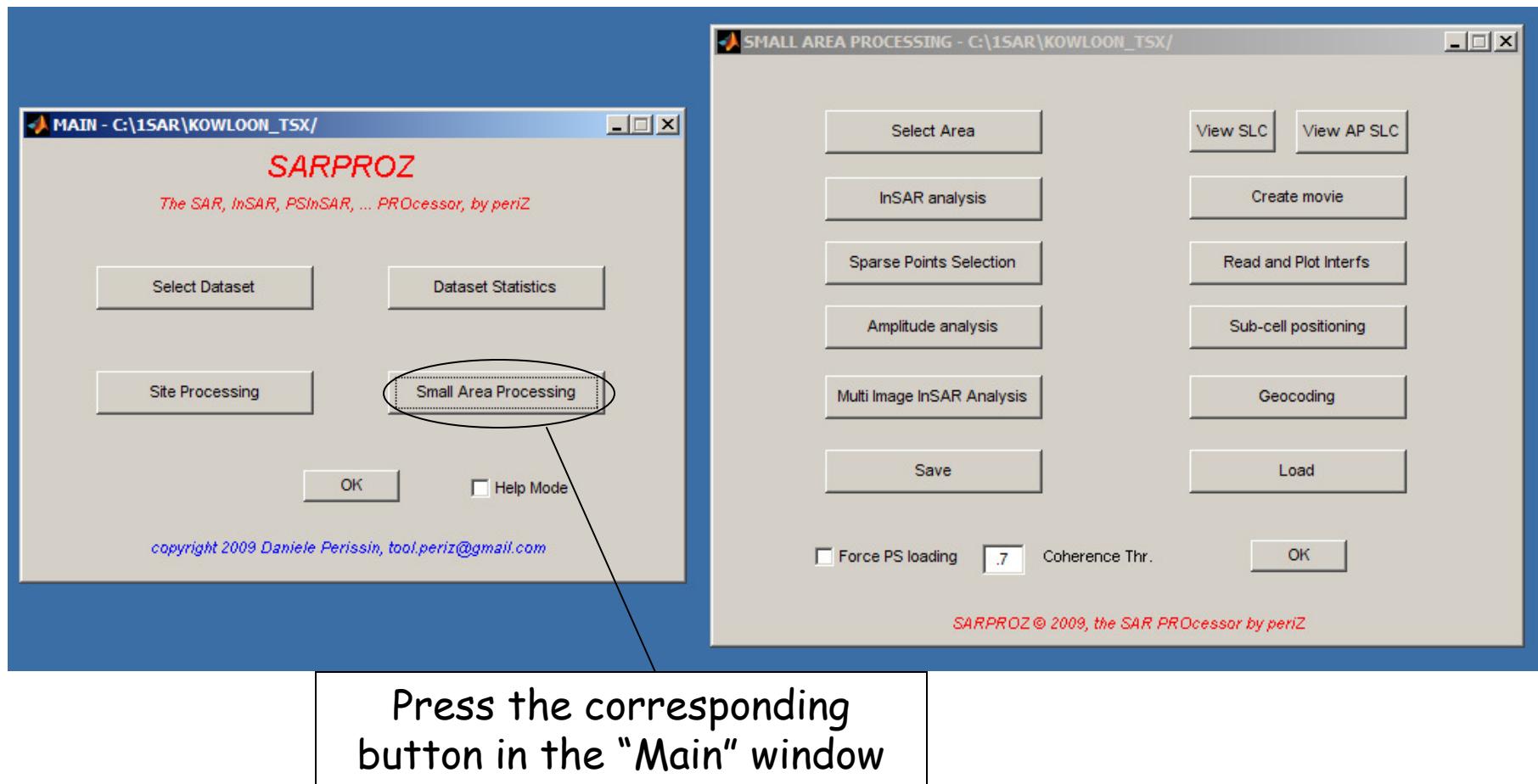
http://ihome.cuhk.edu.hk/~b122066/index_files/download.htm

Part IV

Petronas University of Technology UTP

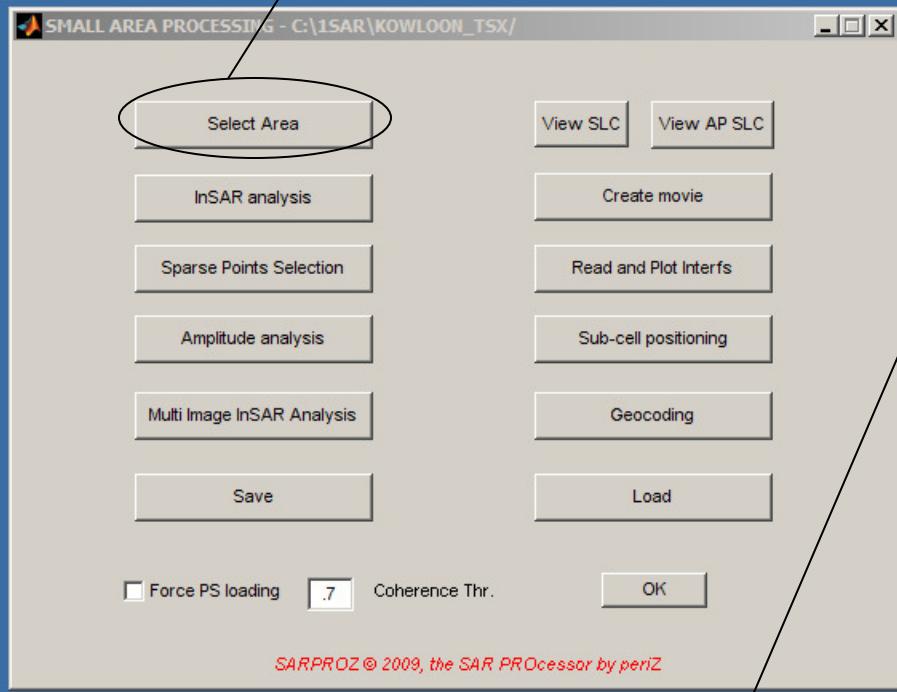
Small area processing (I)

Small Area Processing

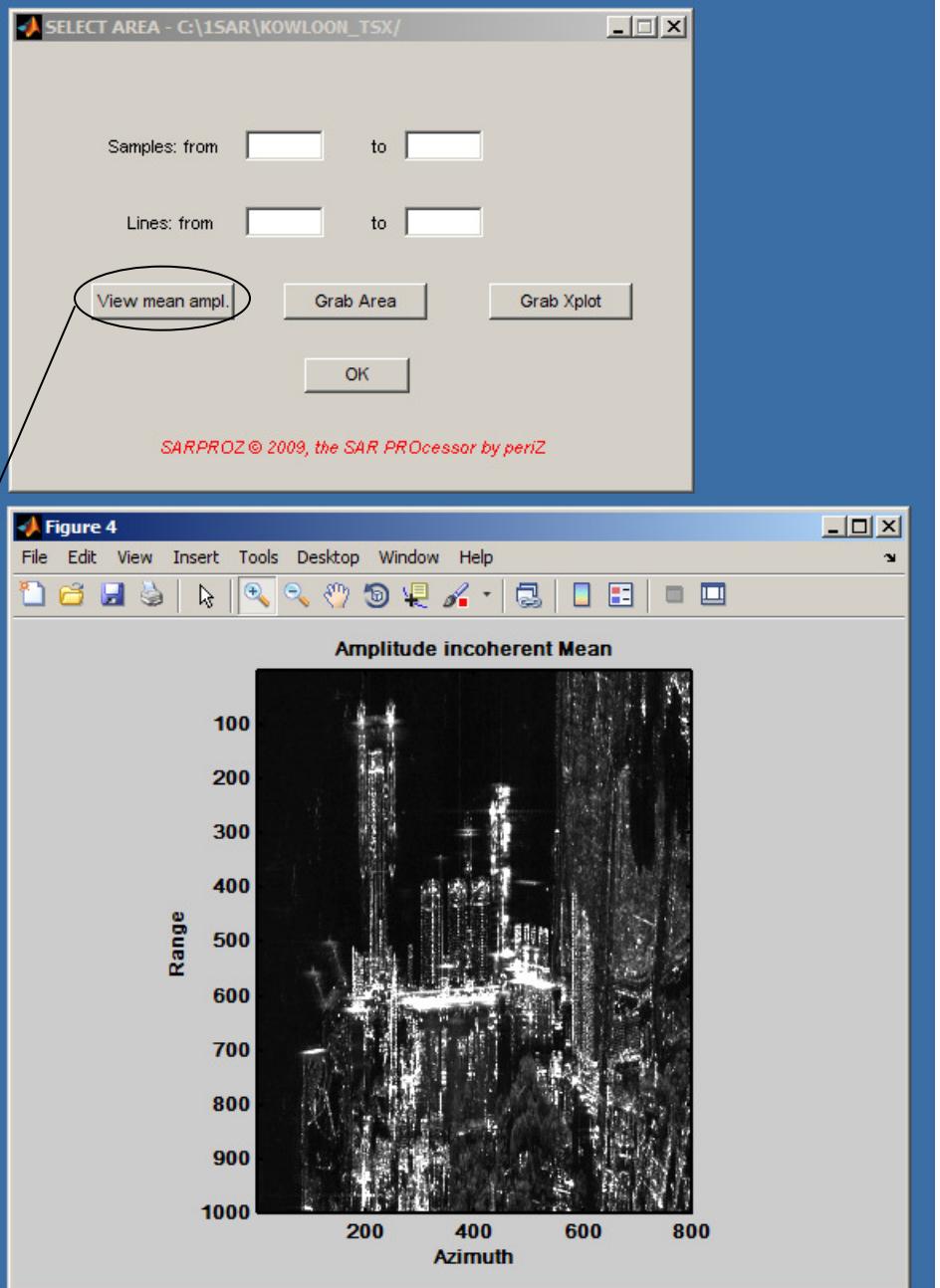


Small Area Processing

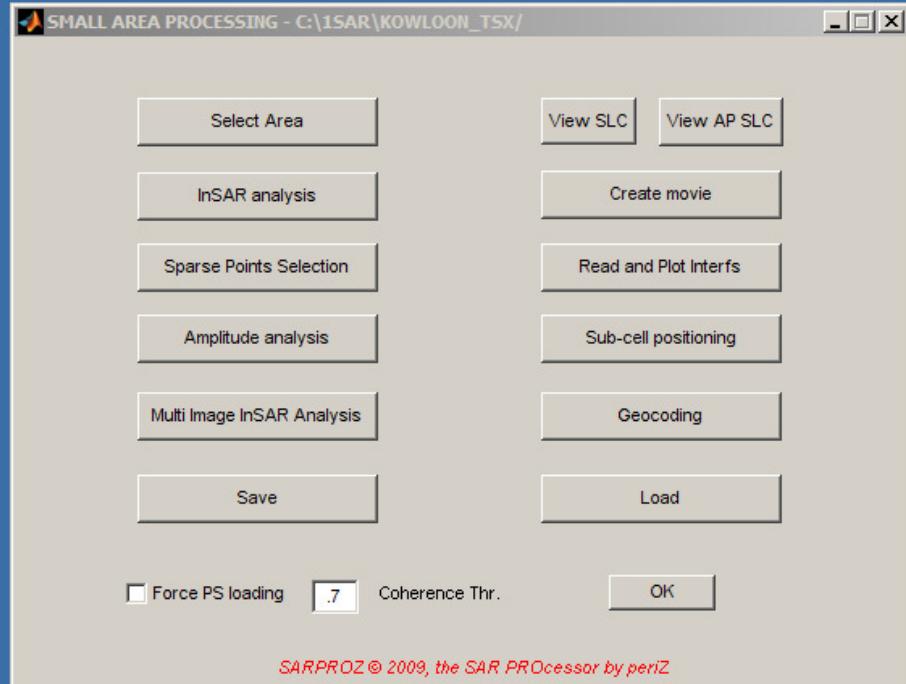
1. Press "Select Area"



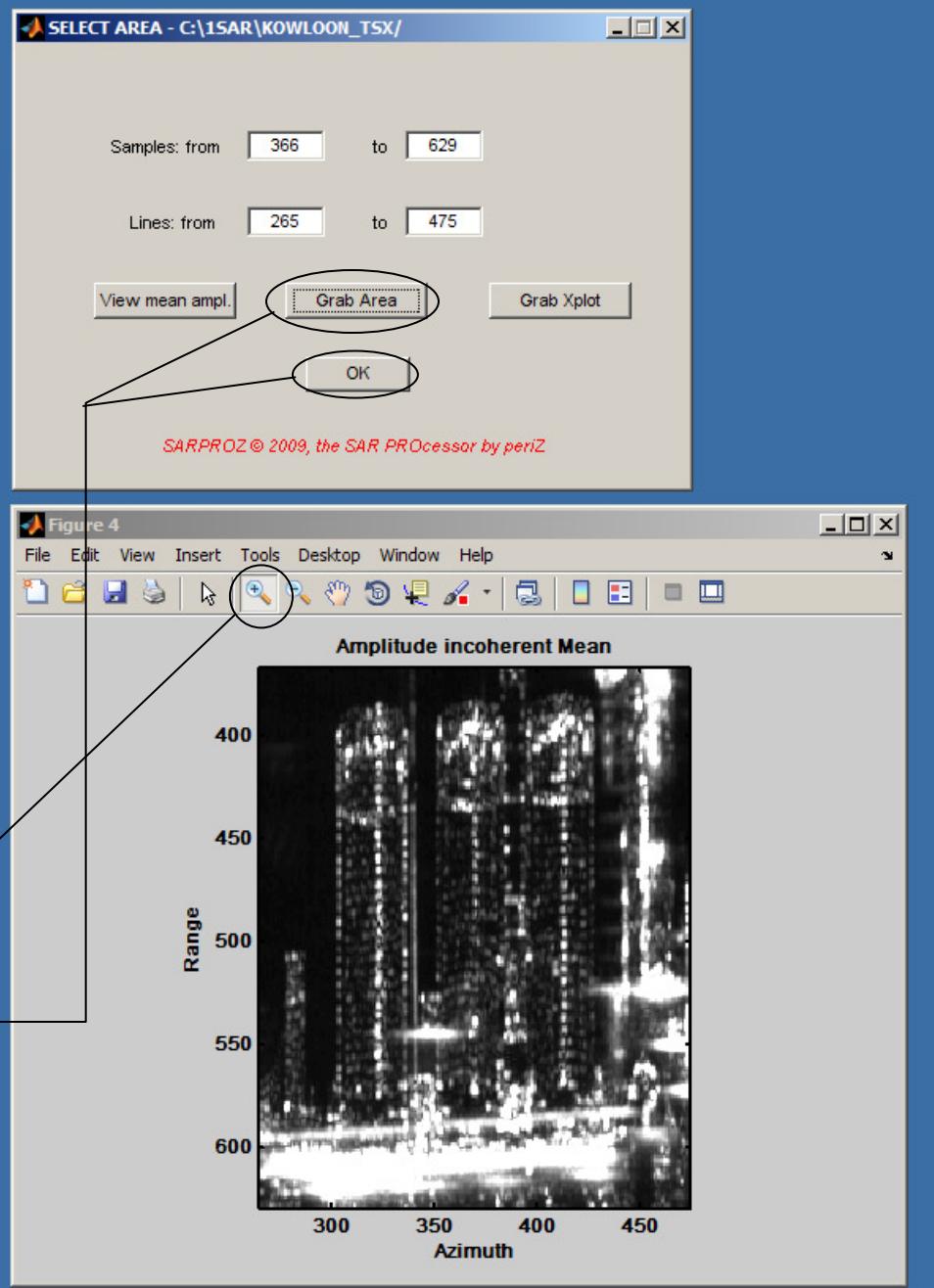
2. Press "View Mean Ampl"



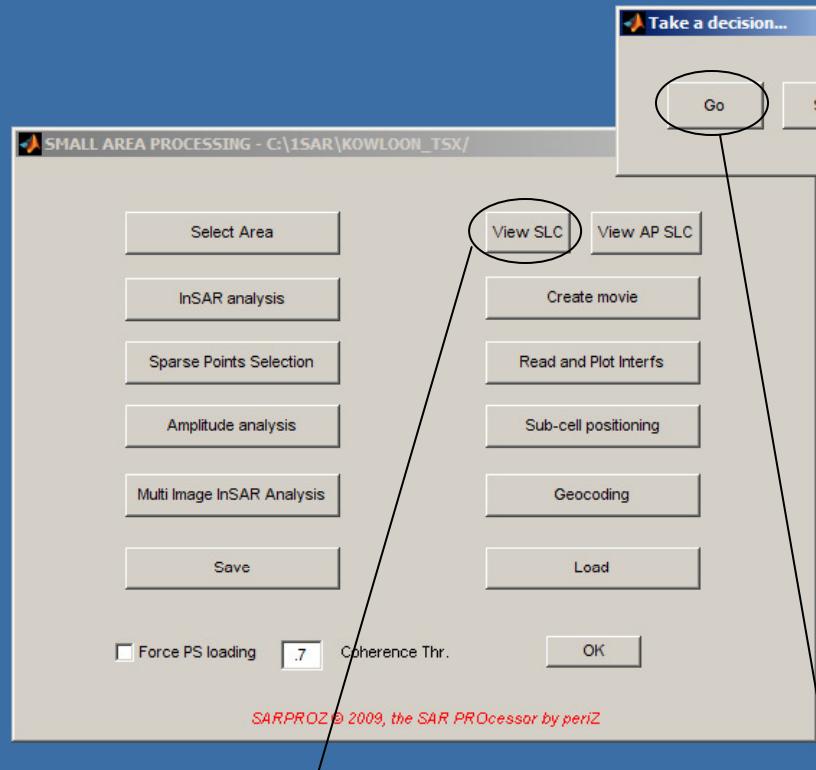
Small Area Processing



3. Use the Zoom tool to visualize the AOI
4. Press "Grab Area" and then "OK"

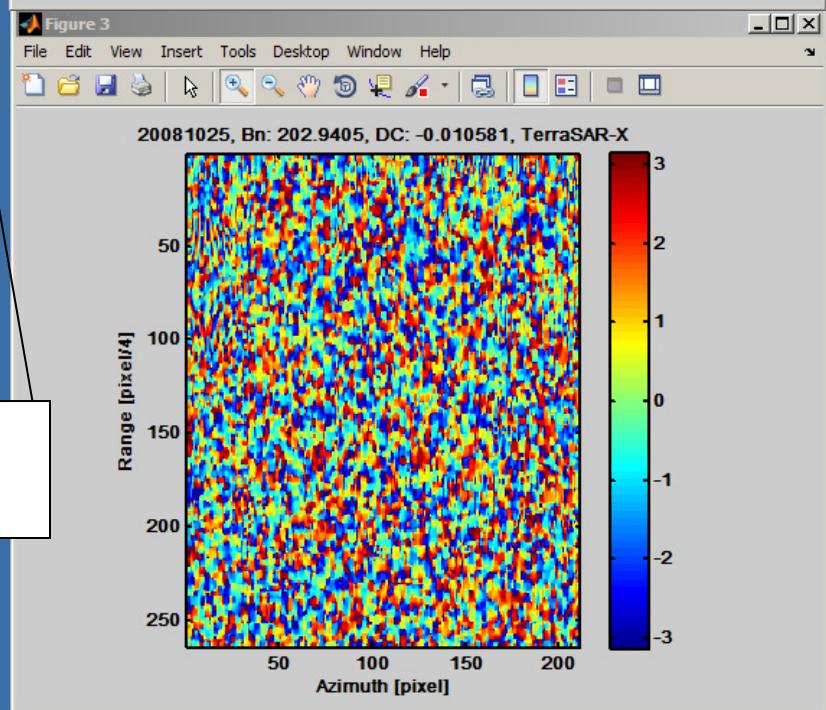
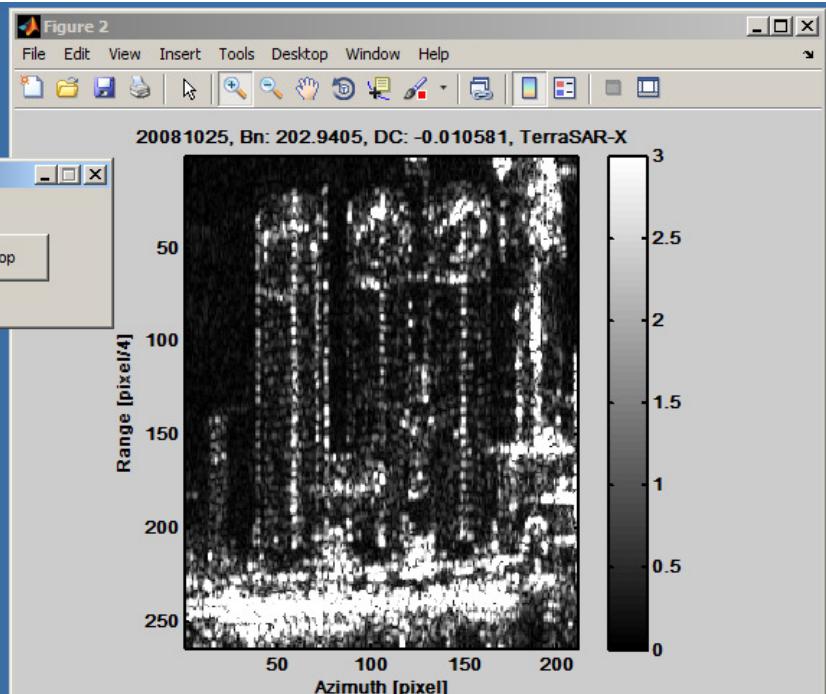


Small Area Processing

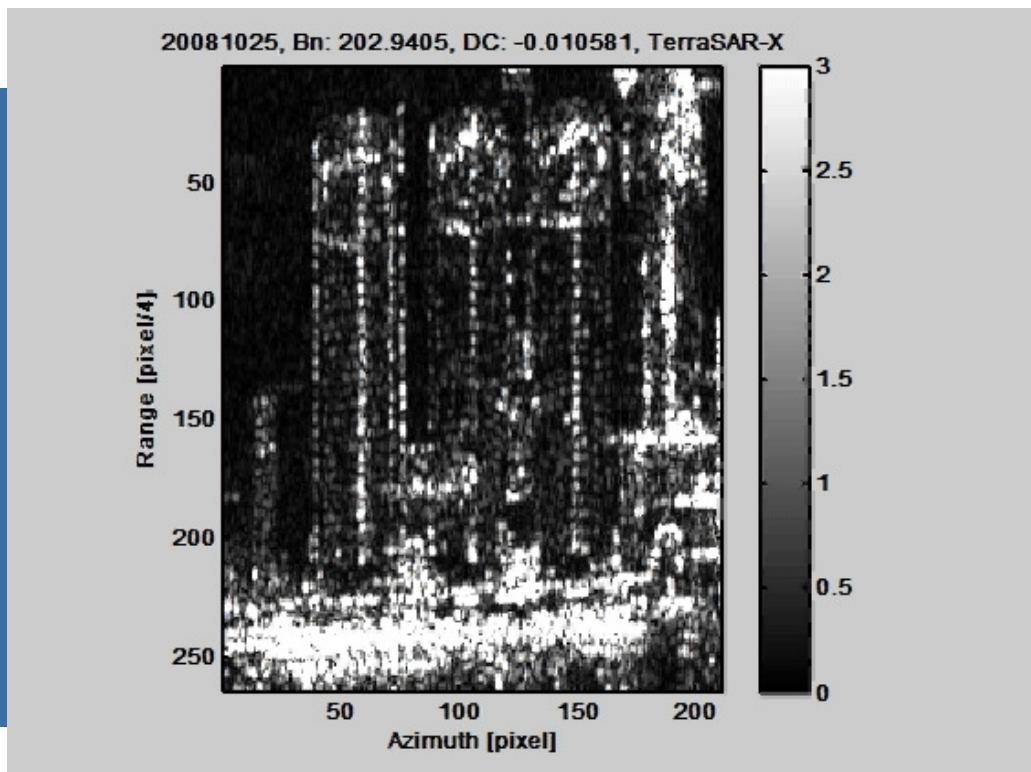
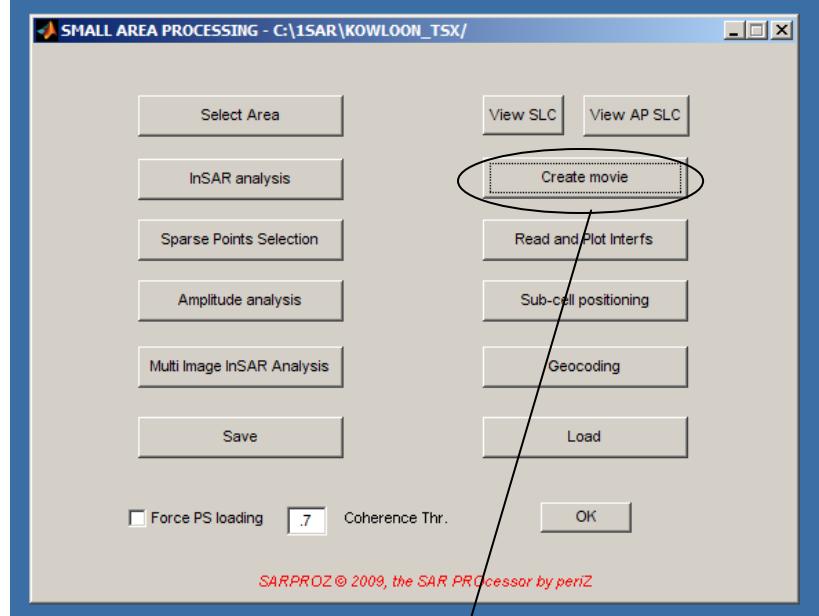


View "Single Look Complex" images

View the next image by pressing "Go"

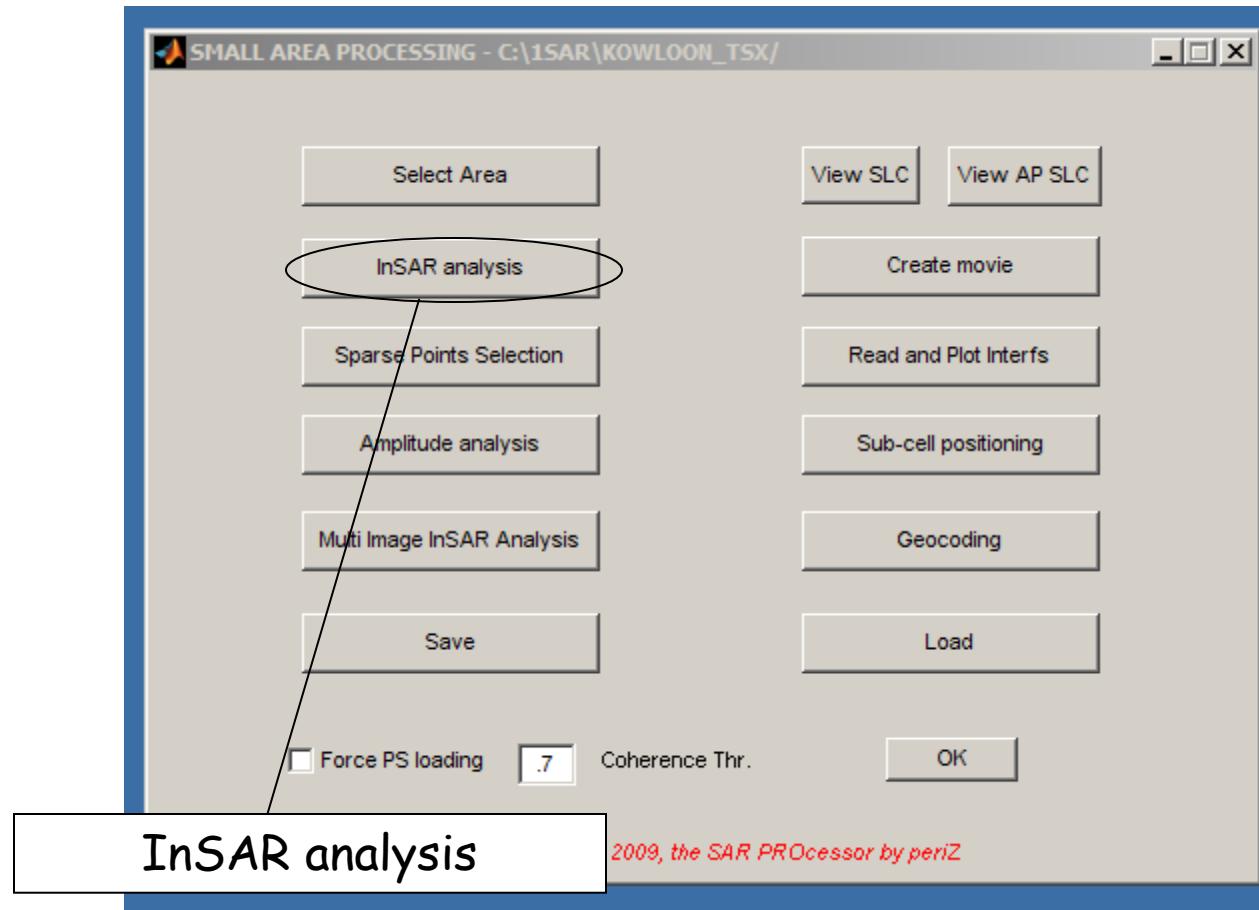


Small Area Processing

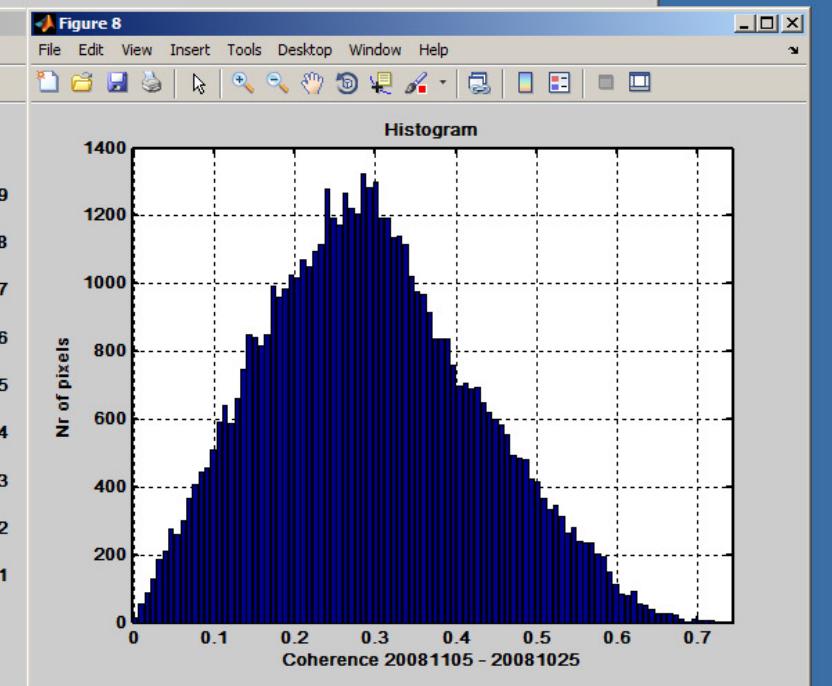
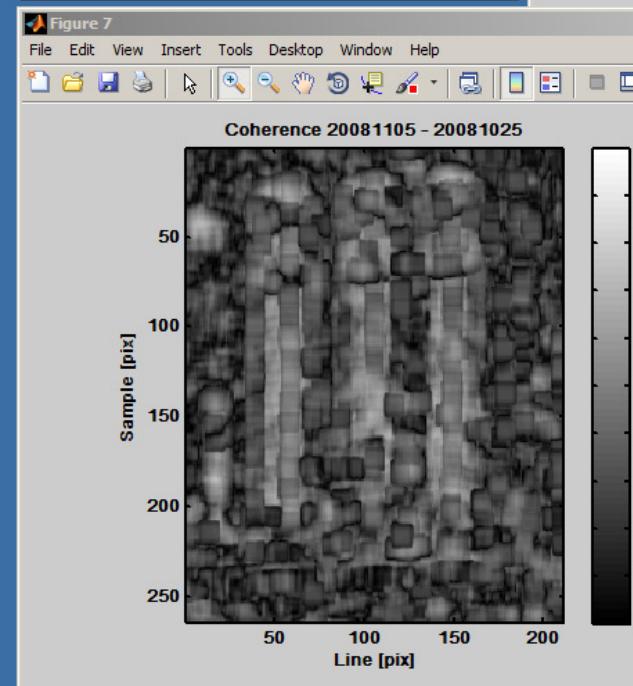
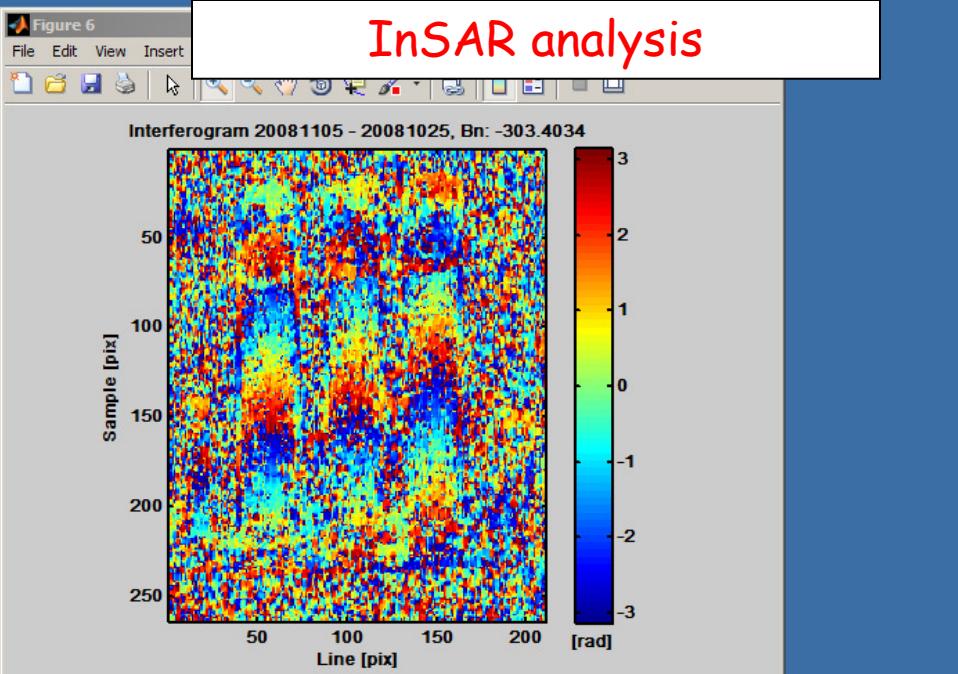
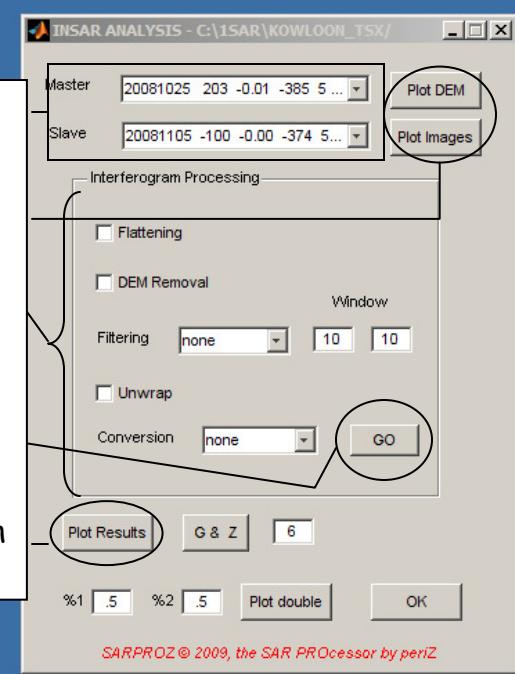


Create a movie of the Images
Amplitude

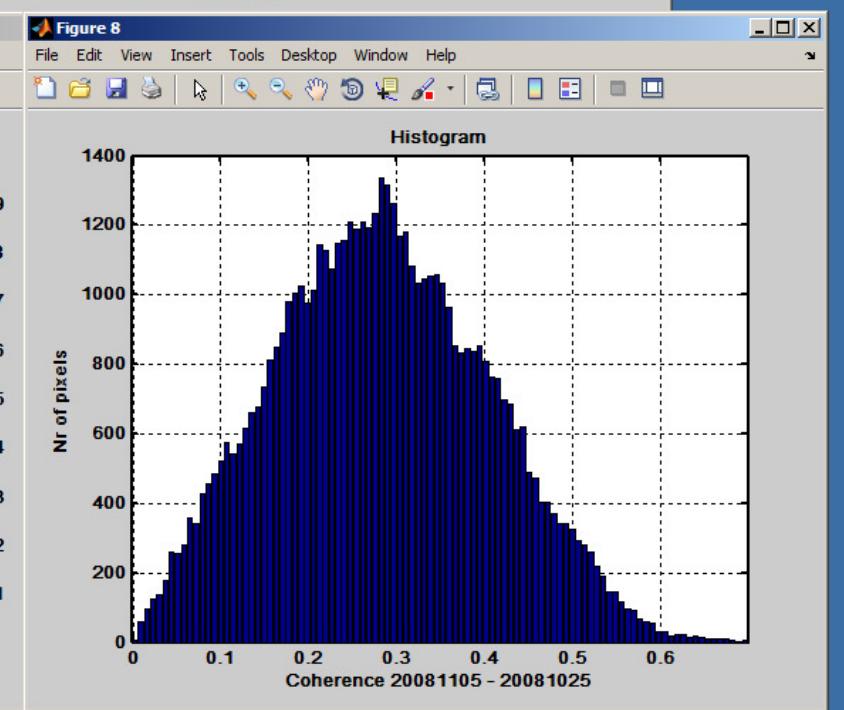
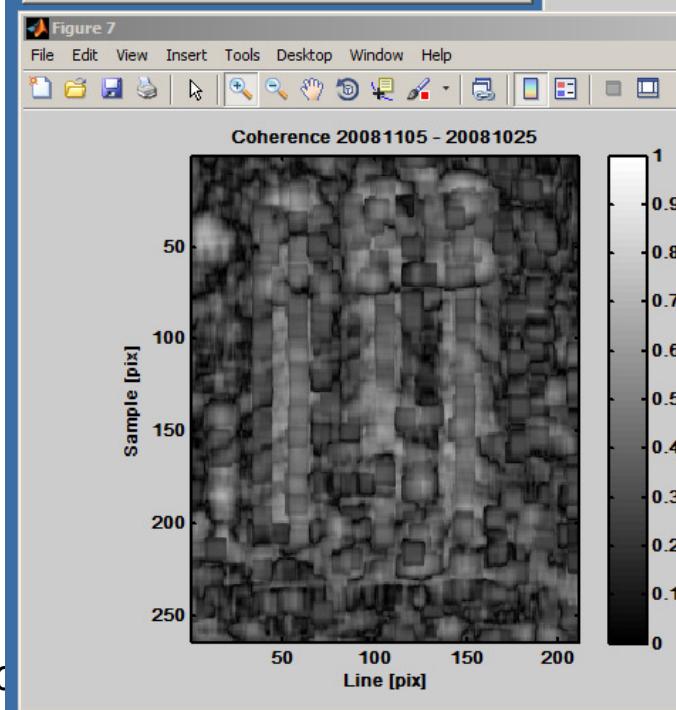
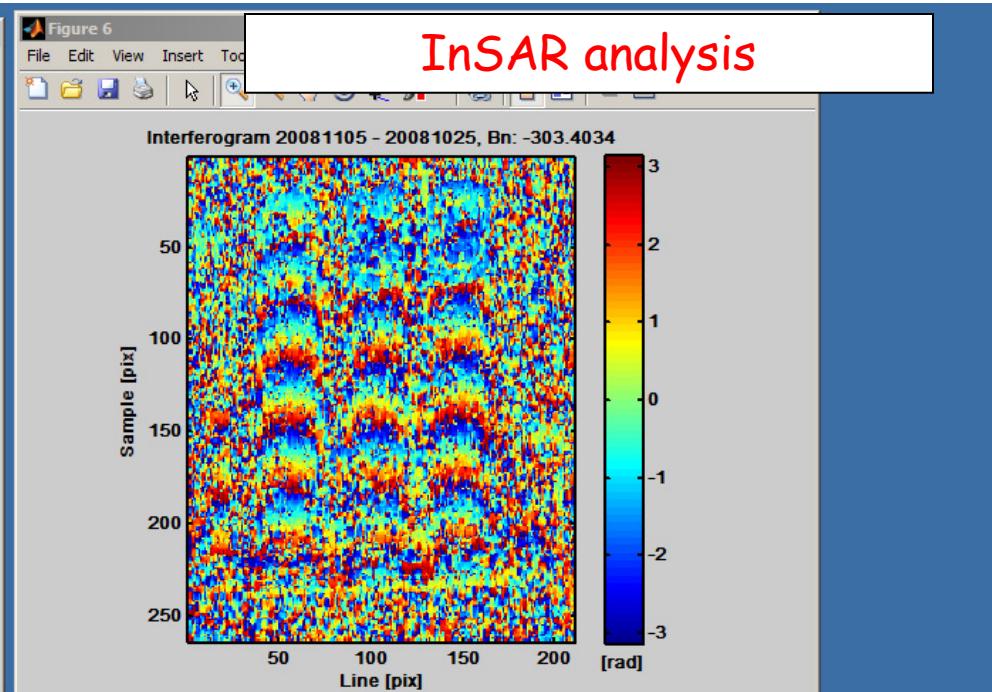
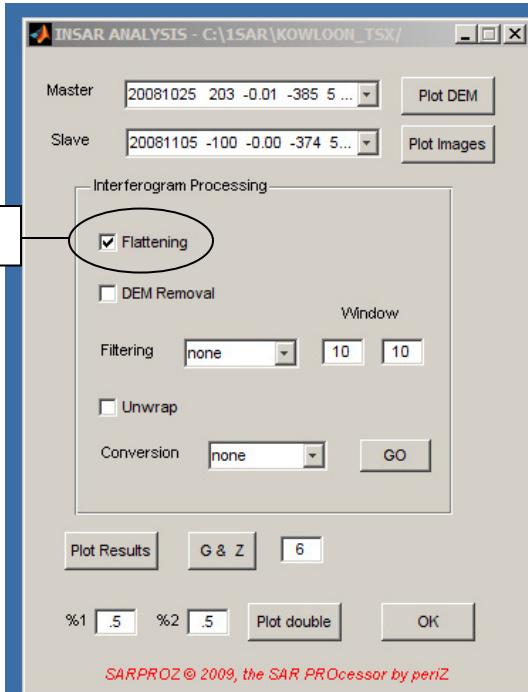
Small Area Processing

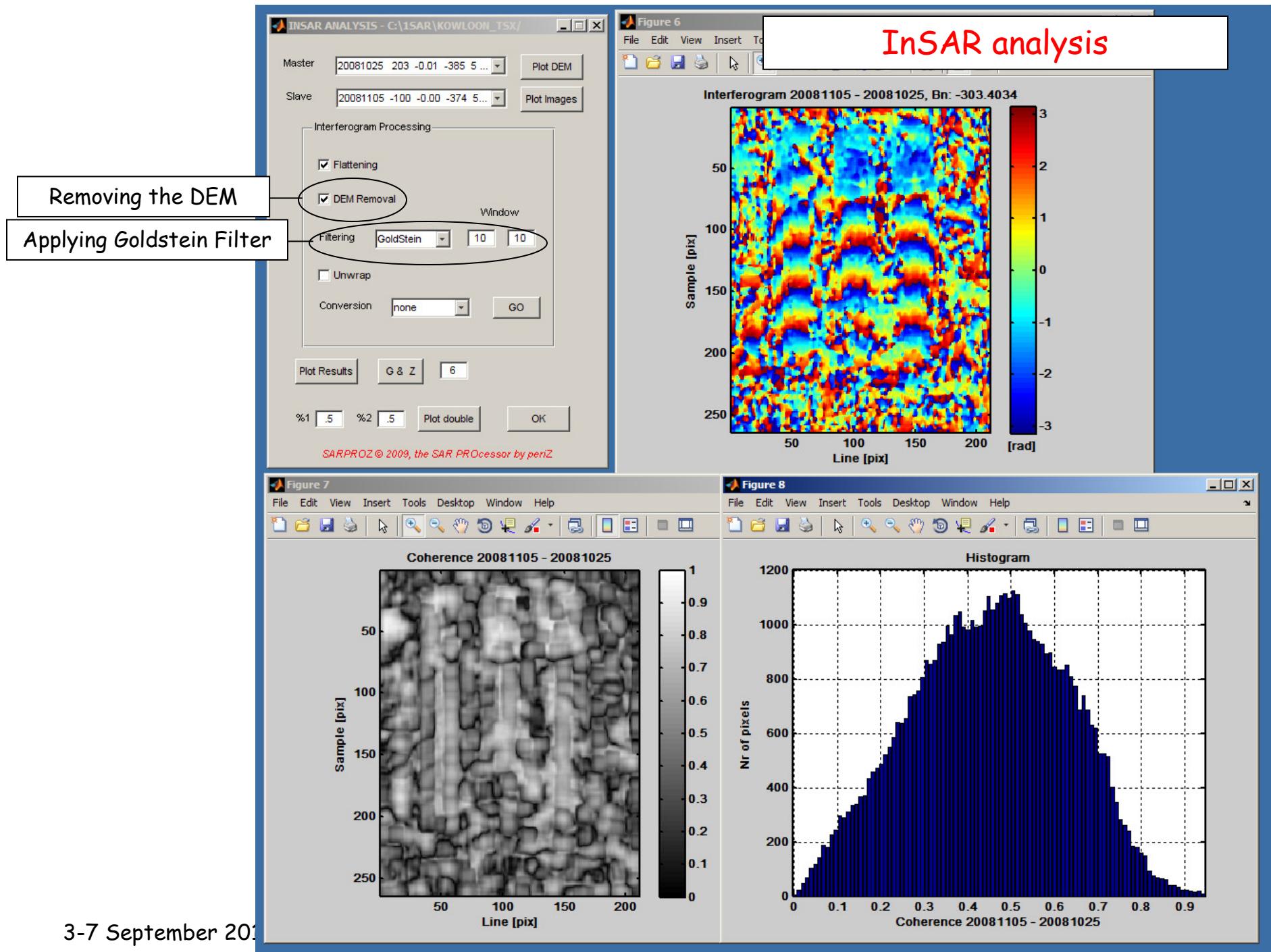


1. Choose Master and Slave images
2. Plot DEM and Images
3. Choose the operations to apply
4. Process the data by pressing "GO"
5. Plot the results through "Plot Results"

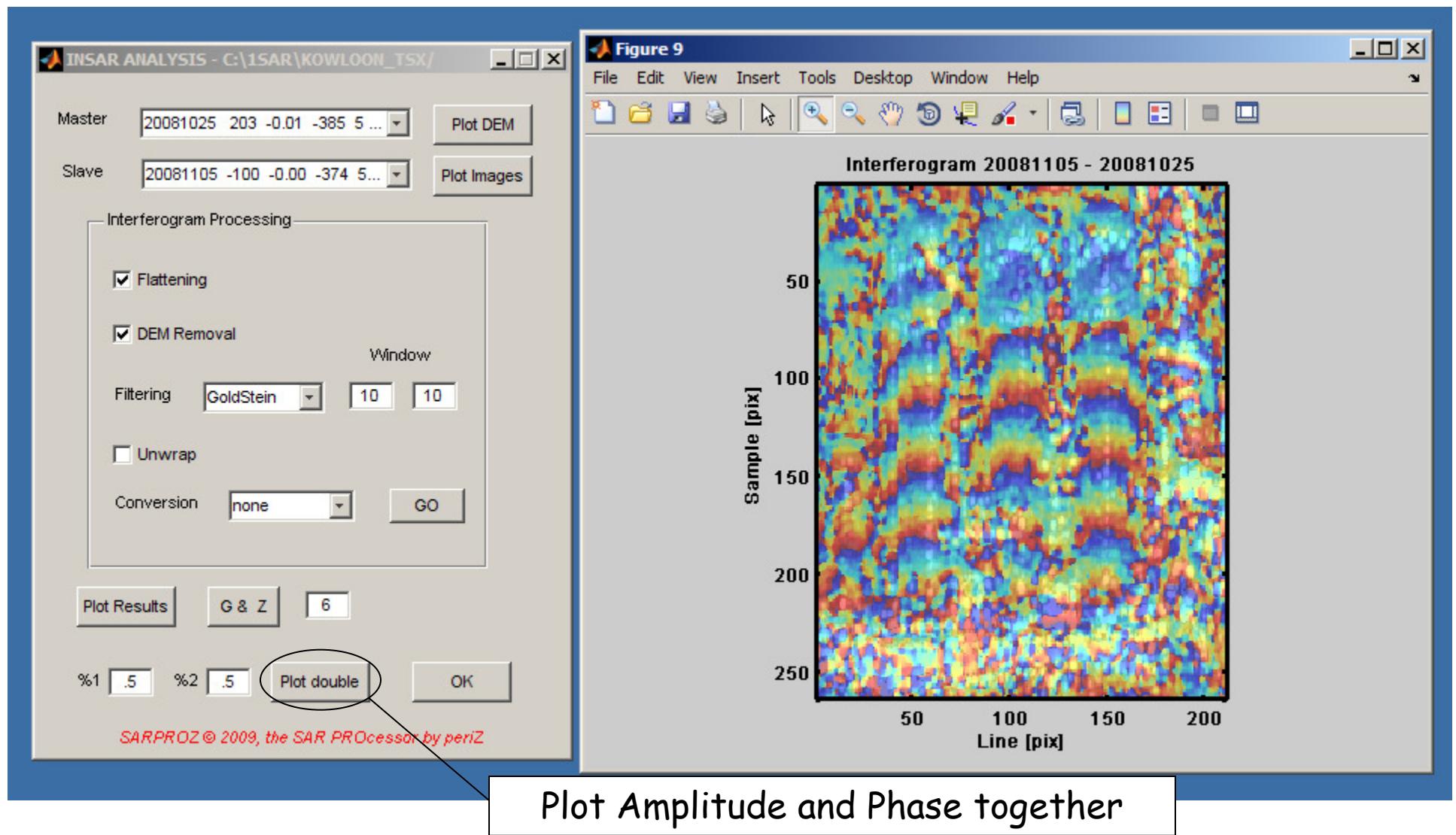


Removing Flat Terrain

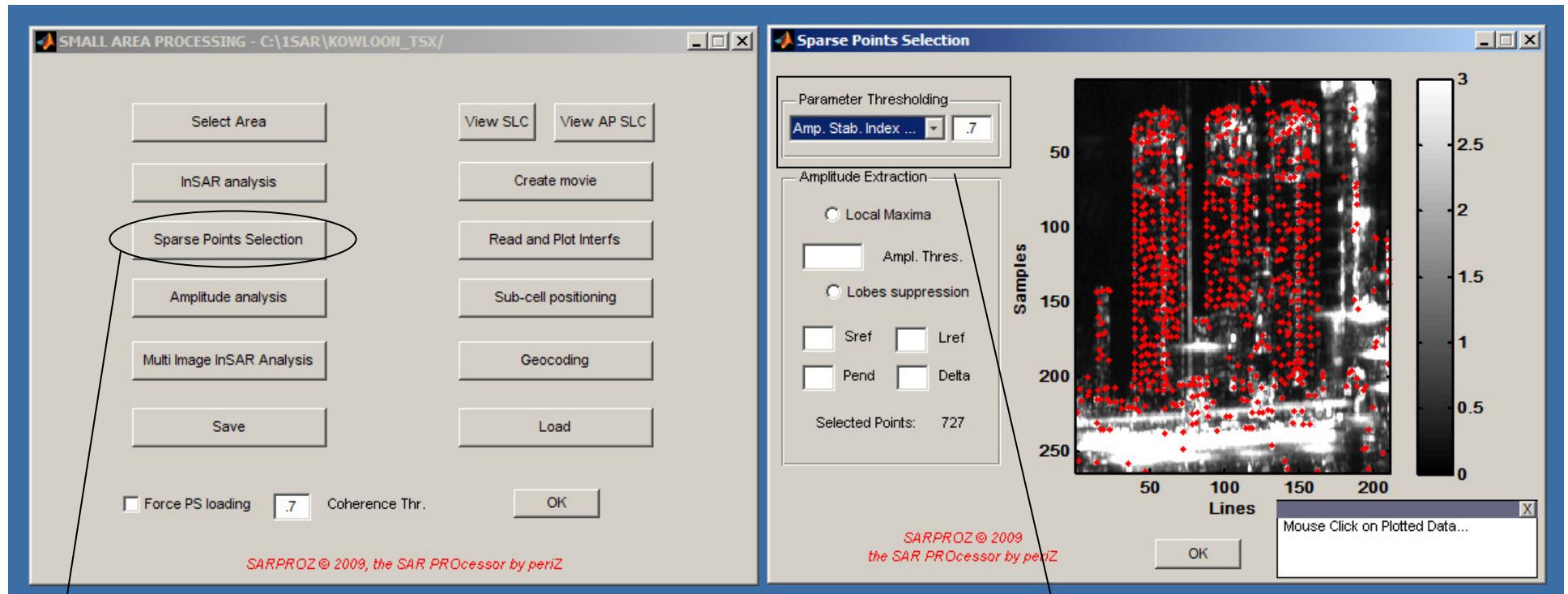




InSAR analysis



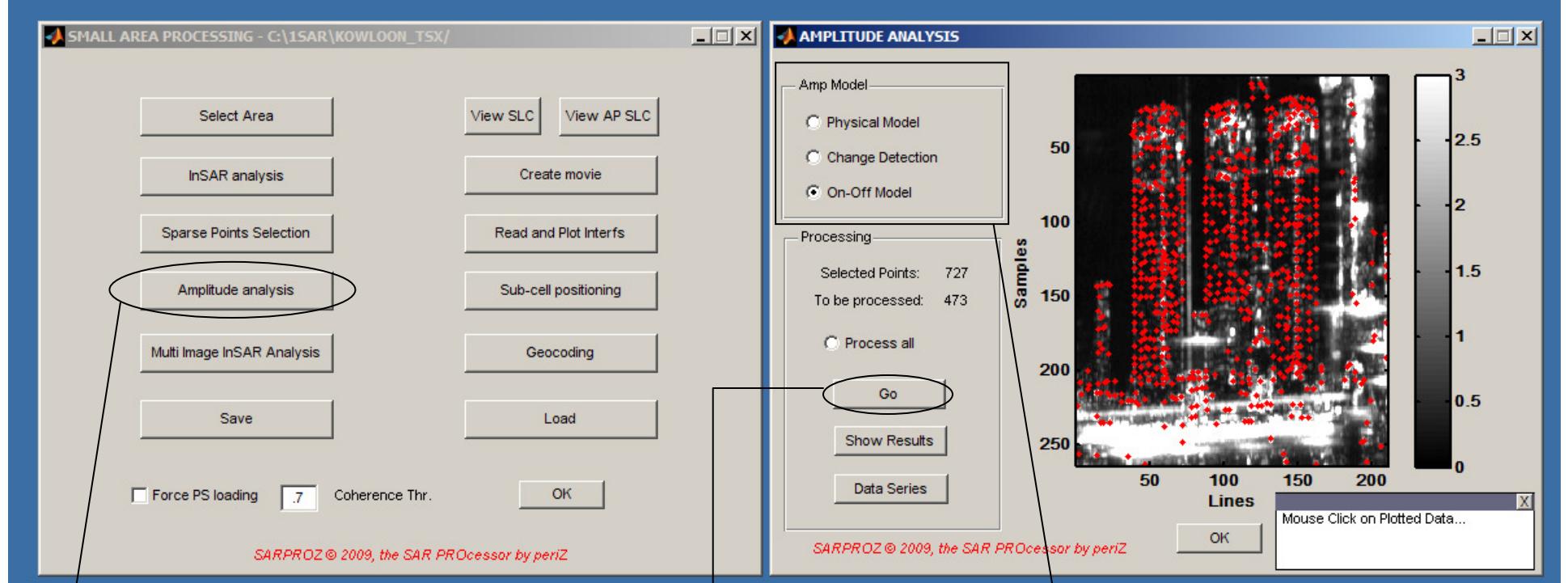
Sparse Points Selection in Small Area processing



Sparse Points Selection

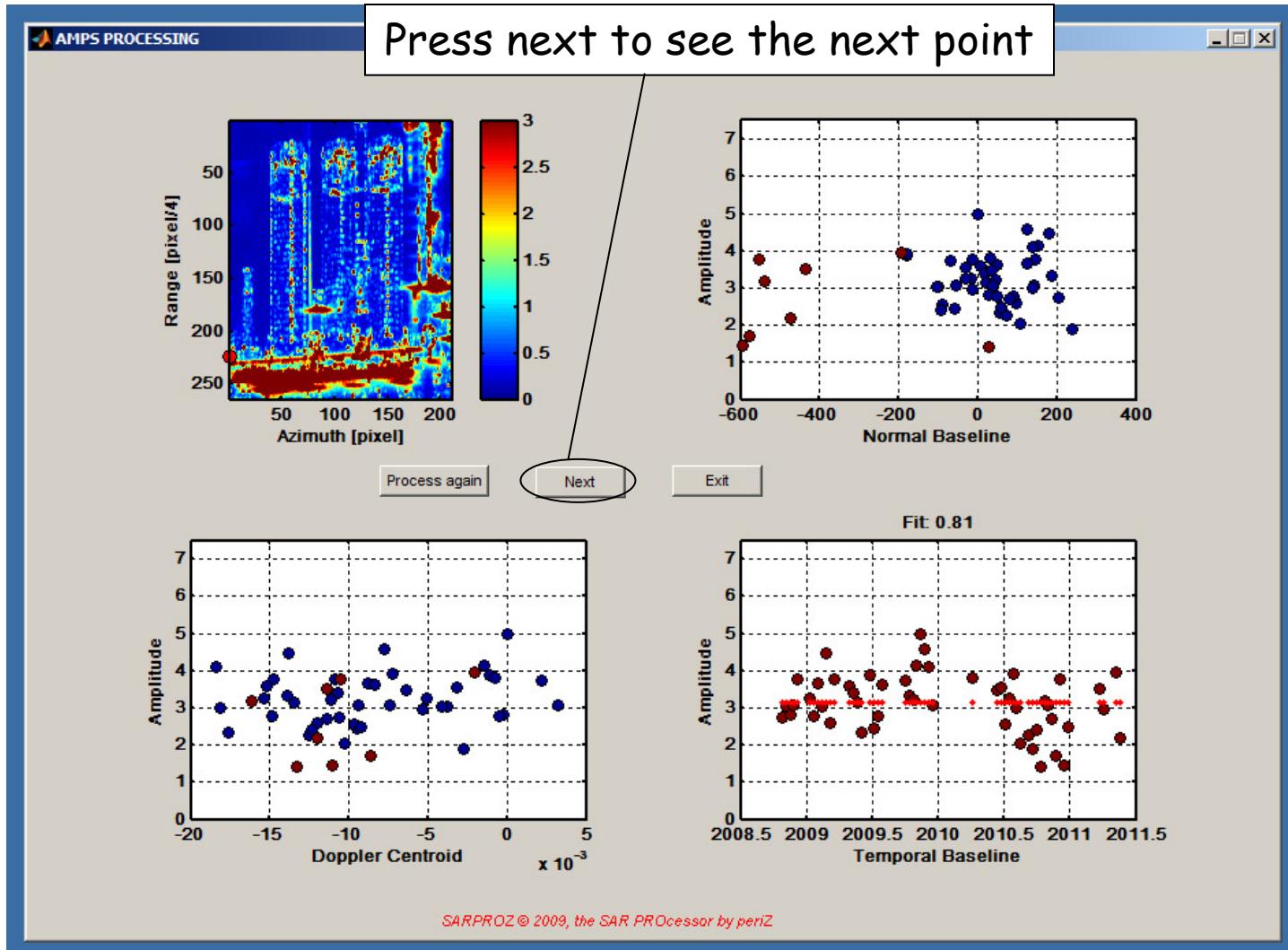
Parameter and threshold
for points selection. Press
Tab for applying the choice

Amplitude Time Series Analysis in Small Area processing



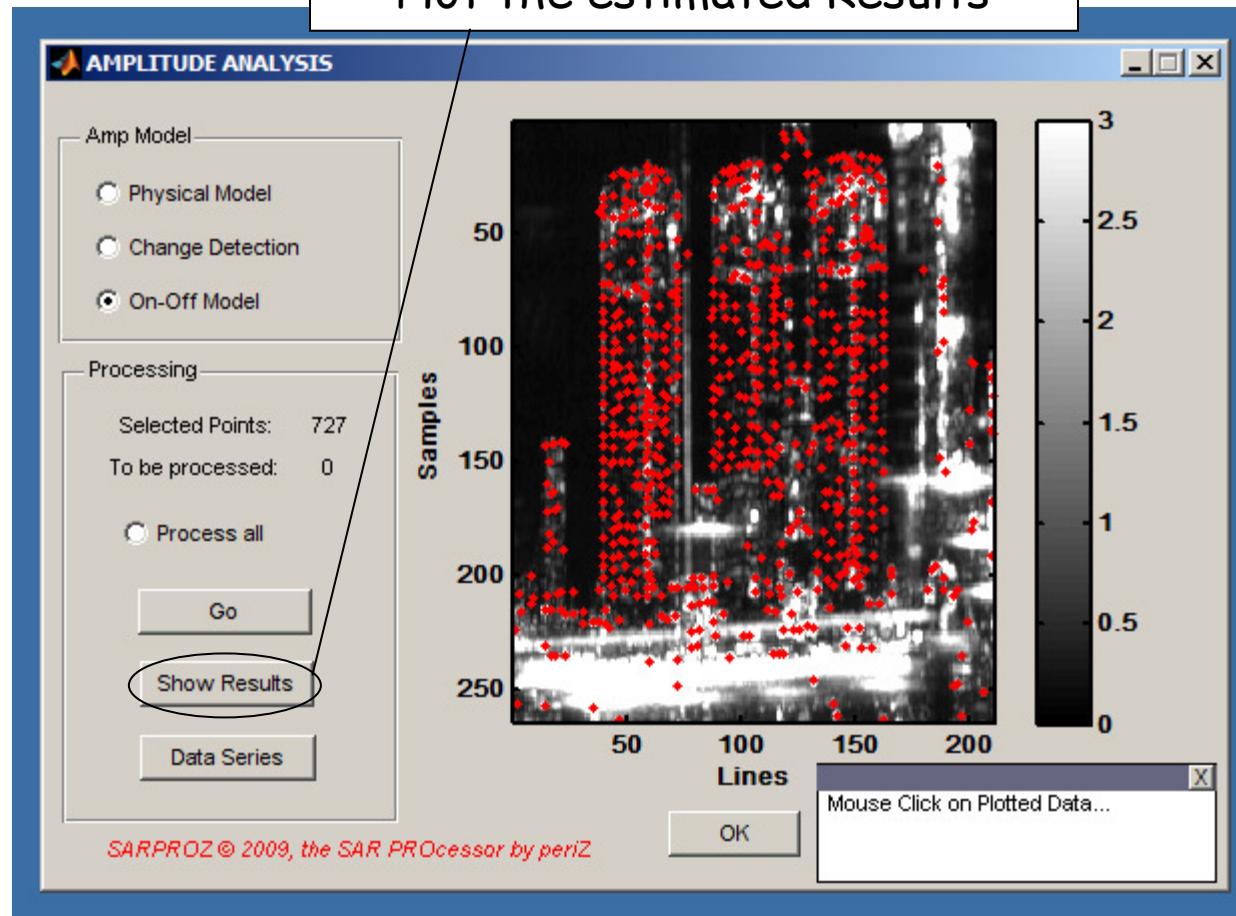
1. Choose the Model for Time Series analysis
2. Press "Go"

Amplitude Time Series Analysis in Small Area processing

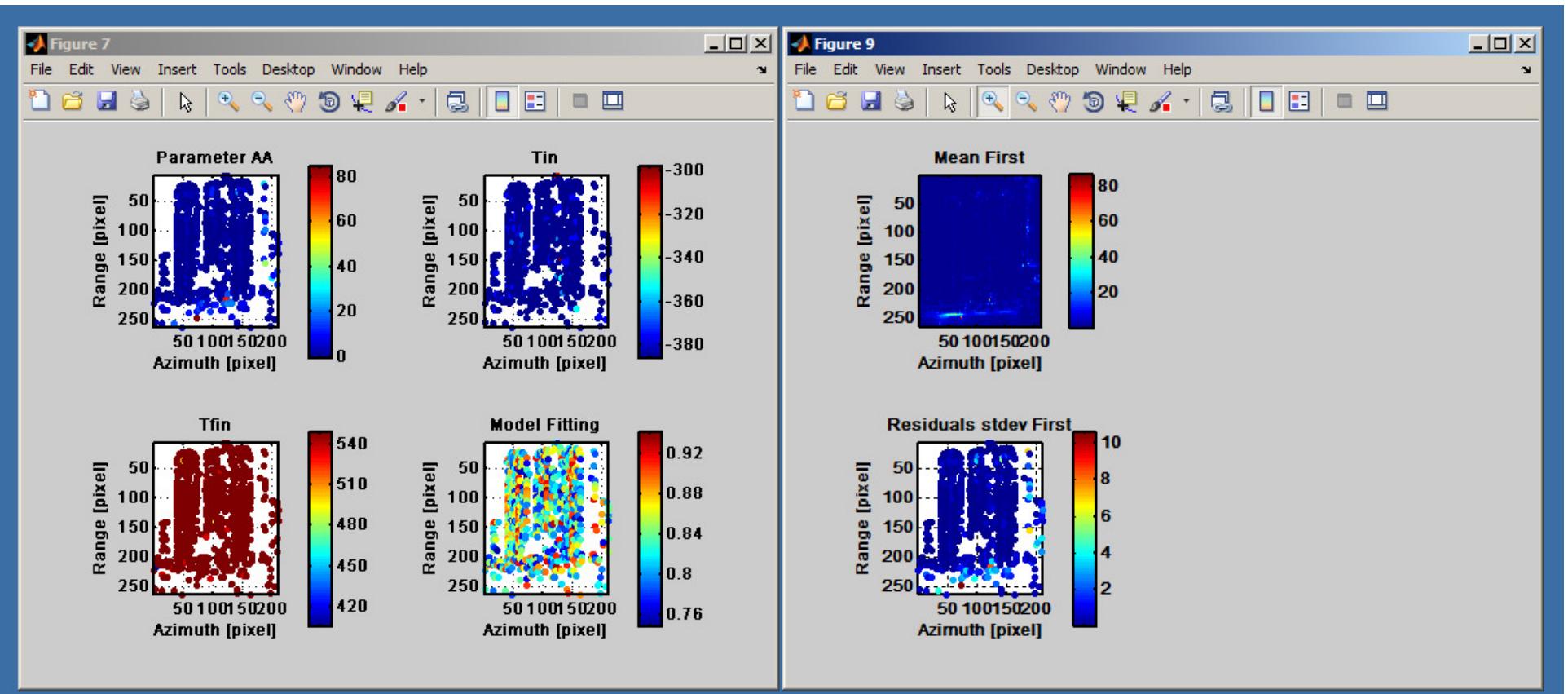


Amplitude Time Series Analysis in Small Area processing

Plot the estimated Results

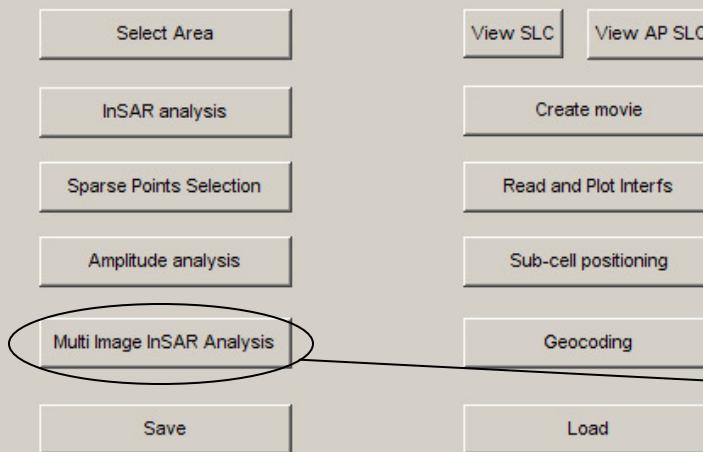


Amplitude Time Series Analysis in Small Area processing

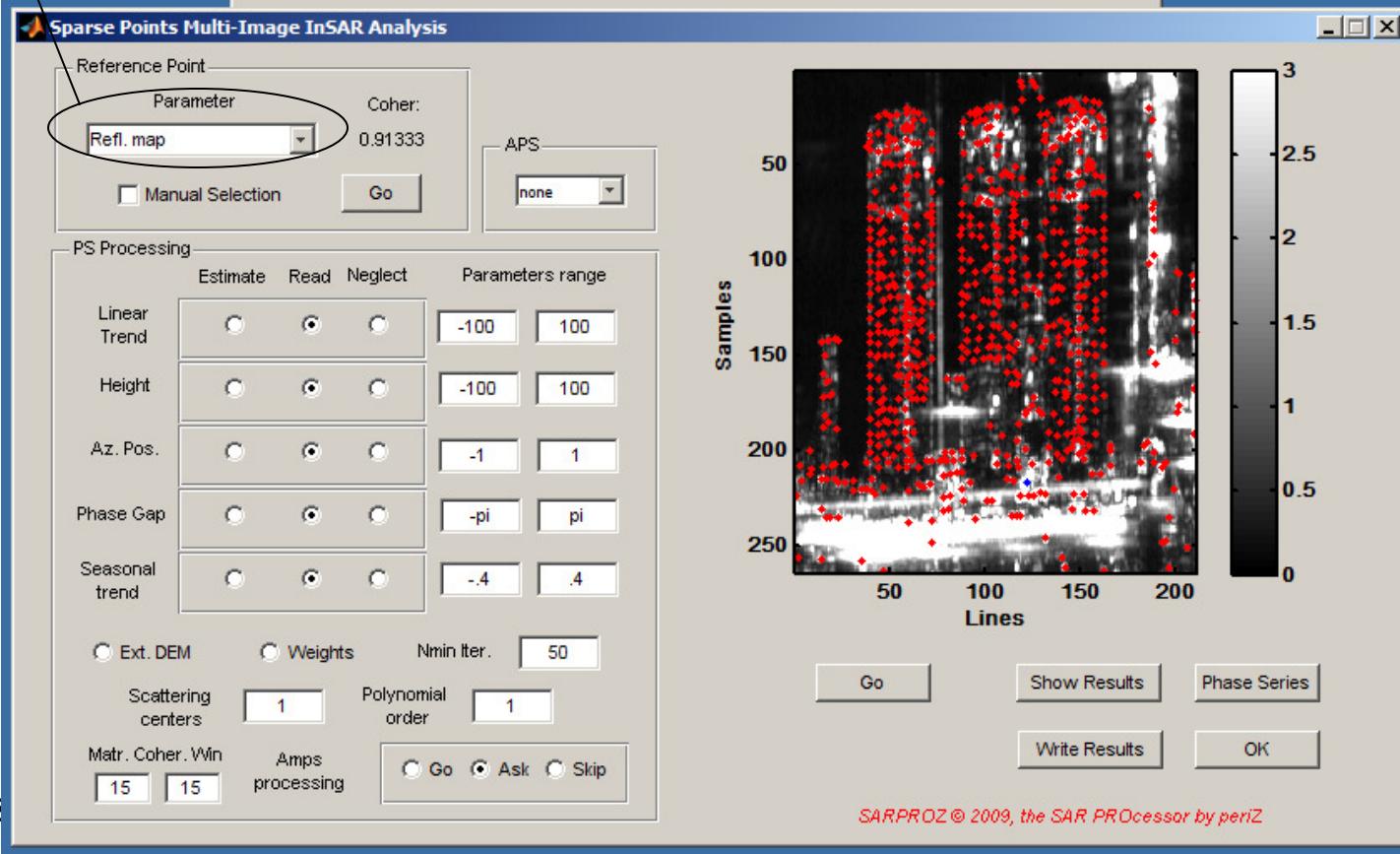


PSInSAR Analysis in Small Area processing

Reference Point Selection



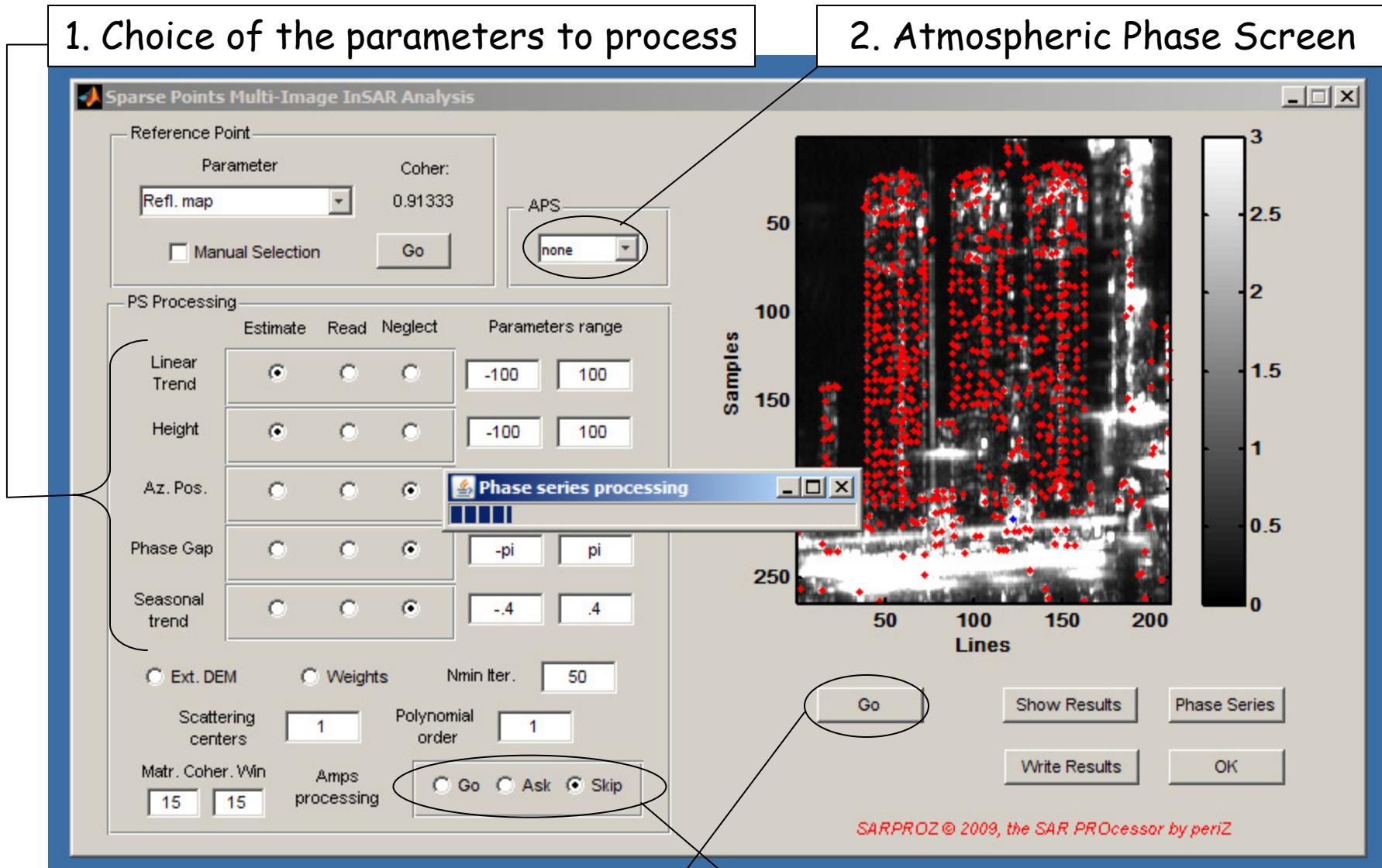
Press the button "Multi Image InSAR Analysis"



PSInSAR Analysis in Small Area processing

1. Choice of the parameters to process

2. Atmospheric Phase Screen



4. Process and wait...

3. Amplitude Analysis

