

SARPROZ

The SAR, InSAR, PSInSAR, ... PROcessor by periZ

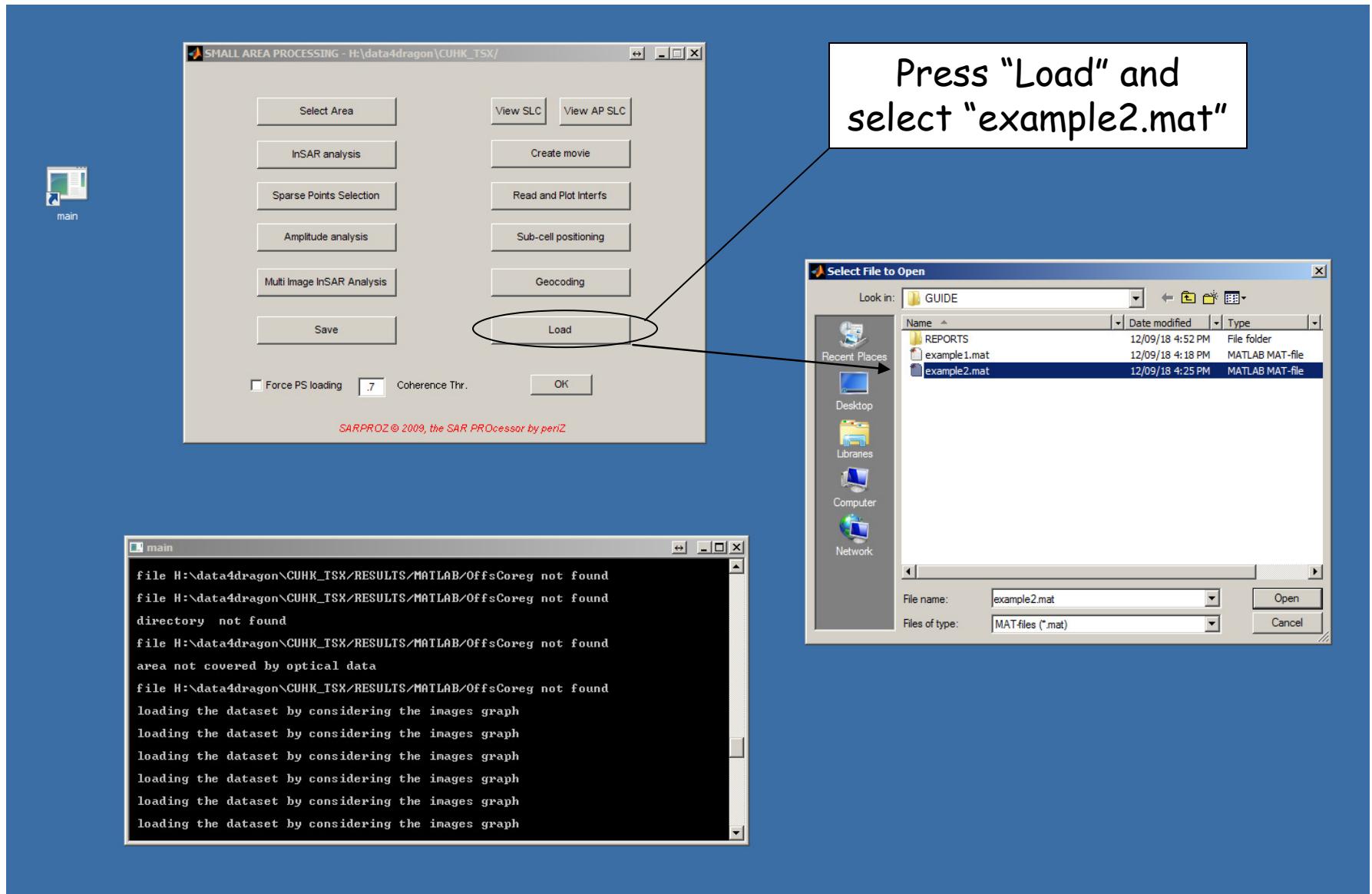
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Dragon 3 Land Training course, SAR Practical, day 6

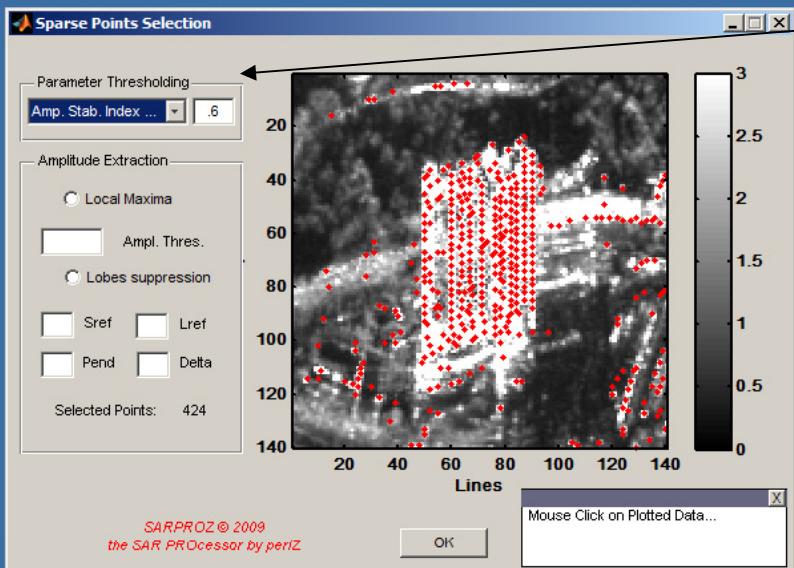
Part IV

The Permanent Scatterers Technique, implemented by SARPROZ

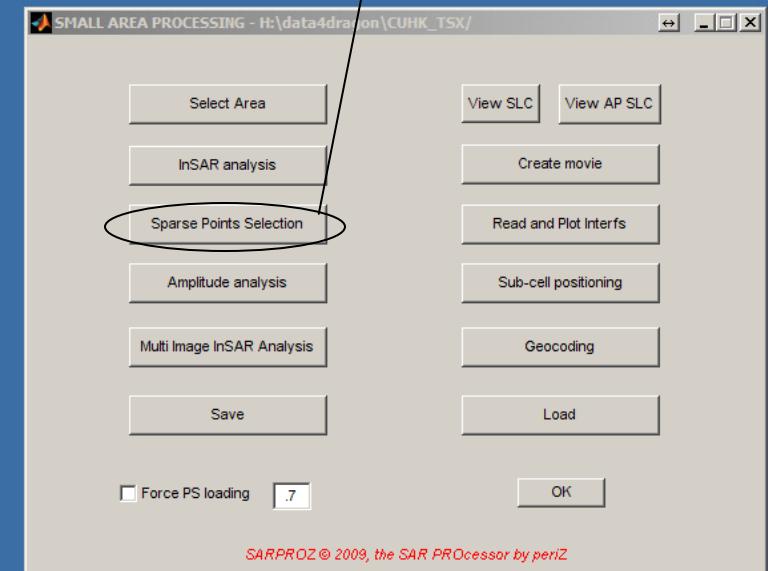
Exercise 3, PSInSAR example
TerraSAR-X data in Hong Kong

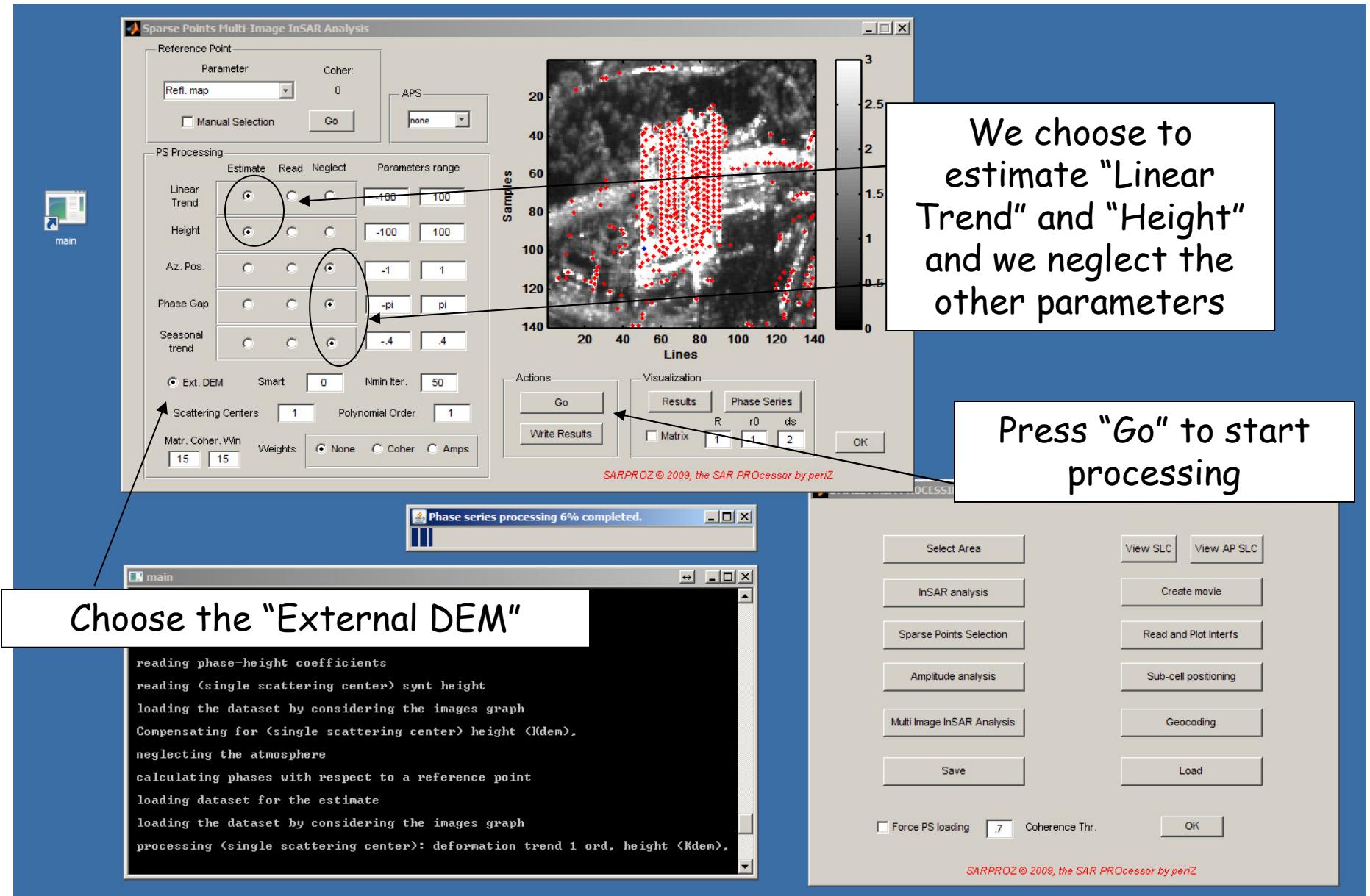


Press "Sparse Points Selection", select the amplitude stability index and 0.6 Threshold, then "Tab" on the keyboard

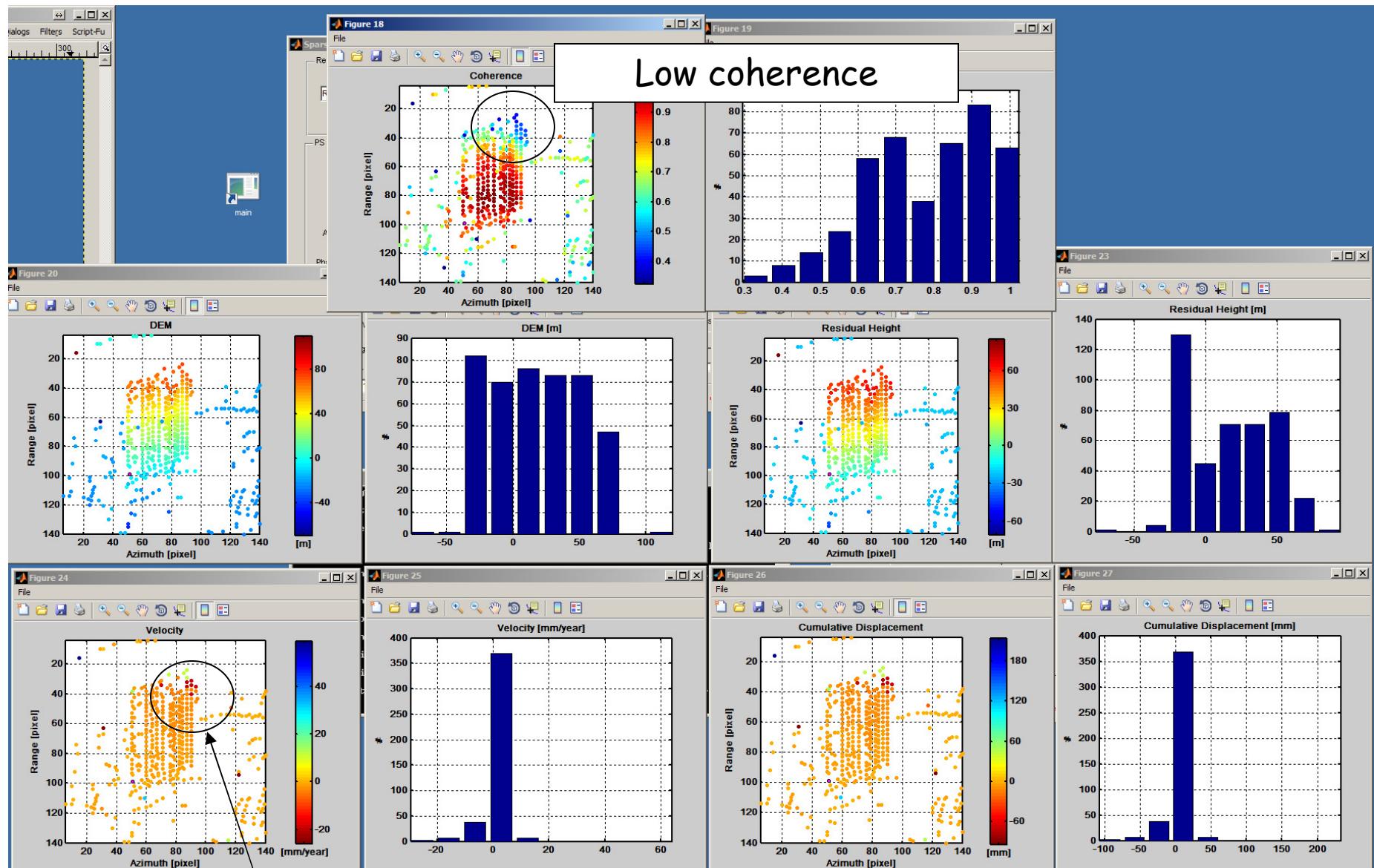


```
main
file H:\data4dragon\CUHK_TSX\RESULTS\MATLAB/OffsCoreg not found
loading the dataset by considering the images graph
mask loading
316 points with Amp. Stab. Index 1-Sigma/Mu > 0.70 , in window from 1491 to 16
30 samples, from 1051 to 1190 lines
mask loading
424 points with Amp. Stab. Index 1-Sigma/Mu > 0.60 , in window from 1491 to 16
30 samples, from 1051 to 1190 lines
```





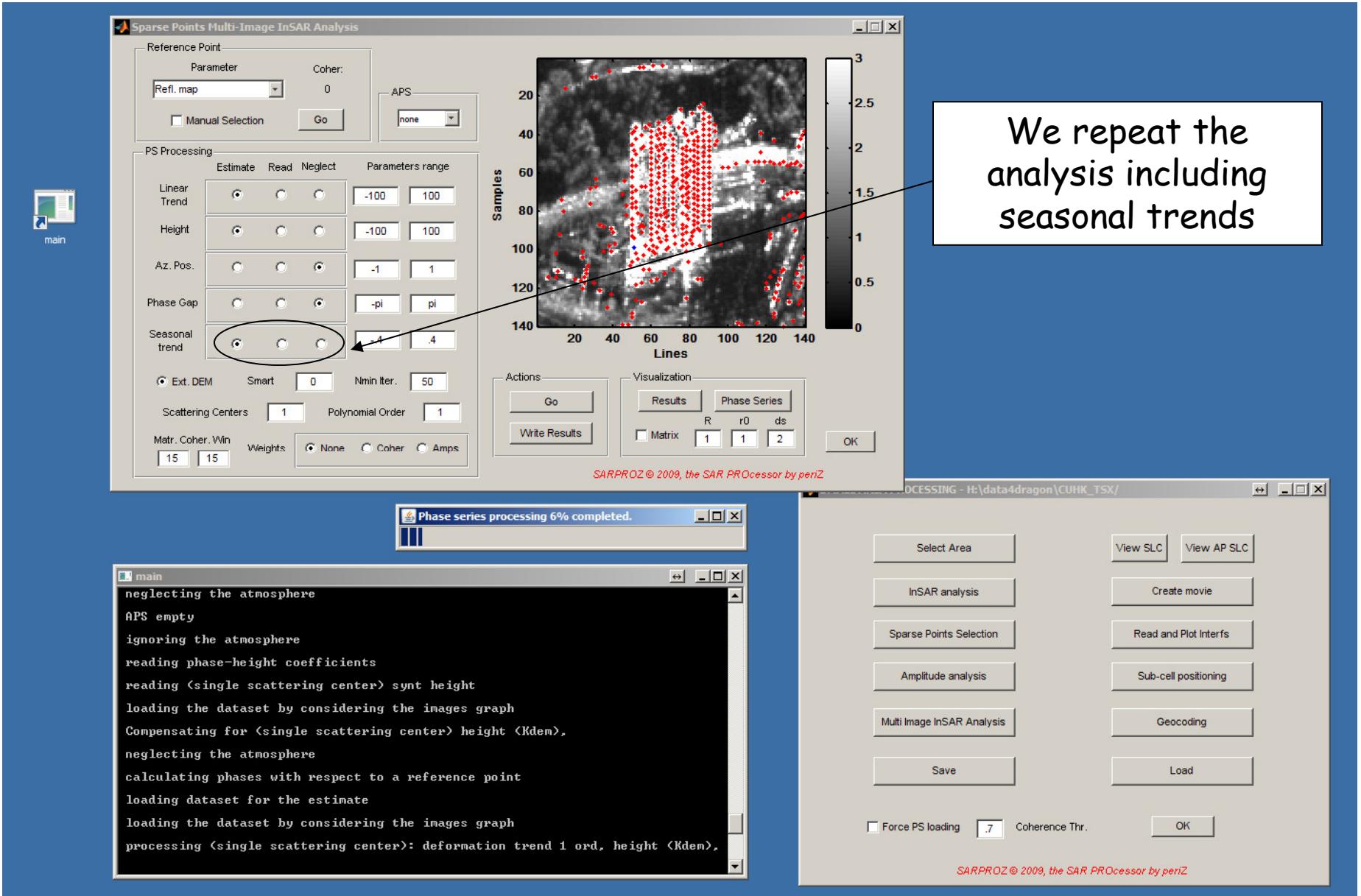
The results



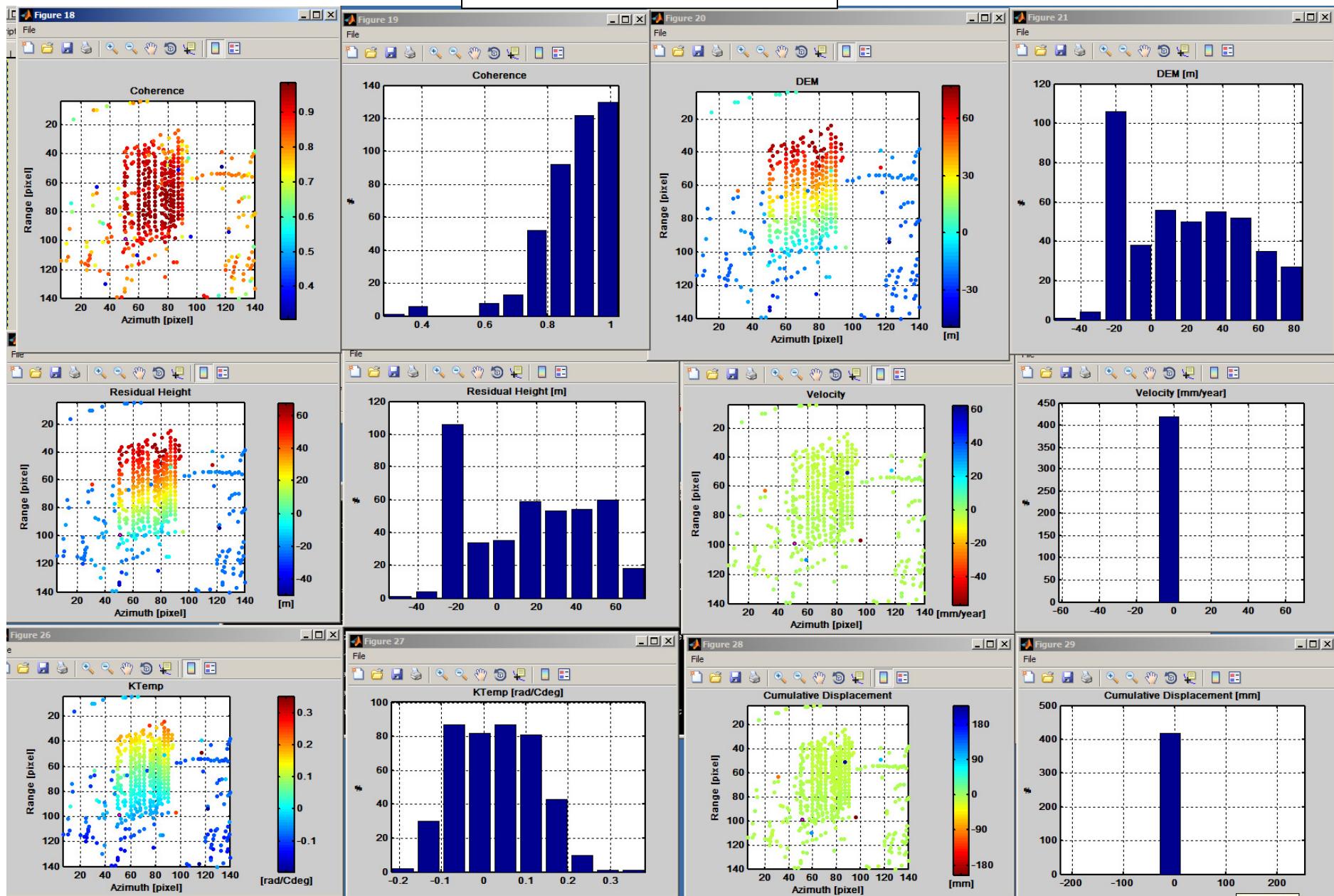
Errors

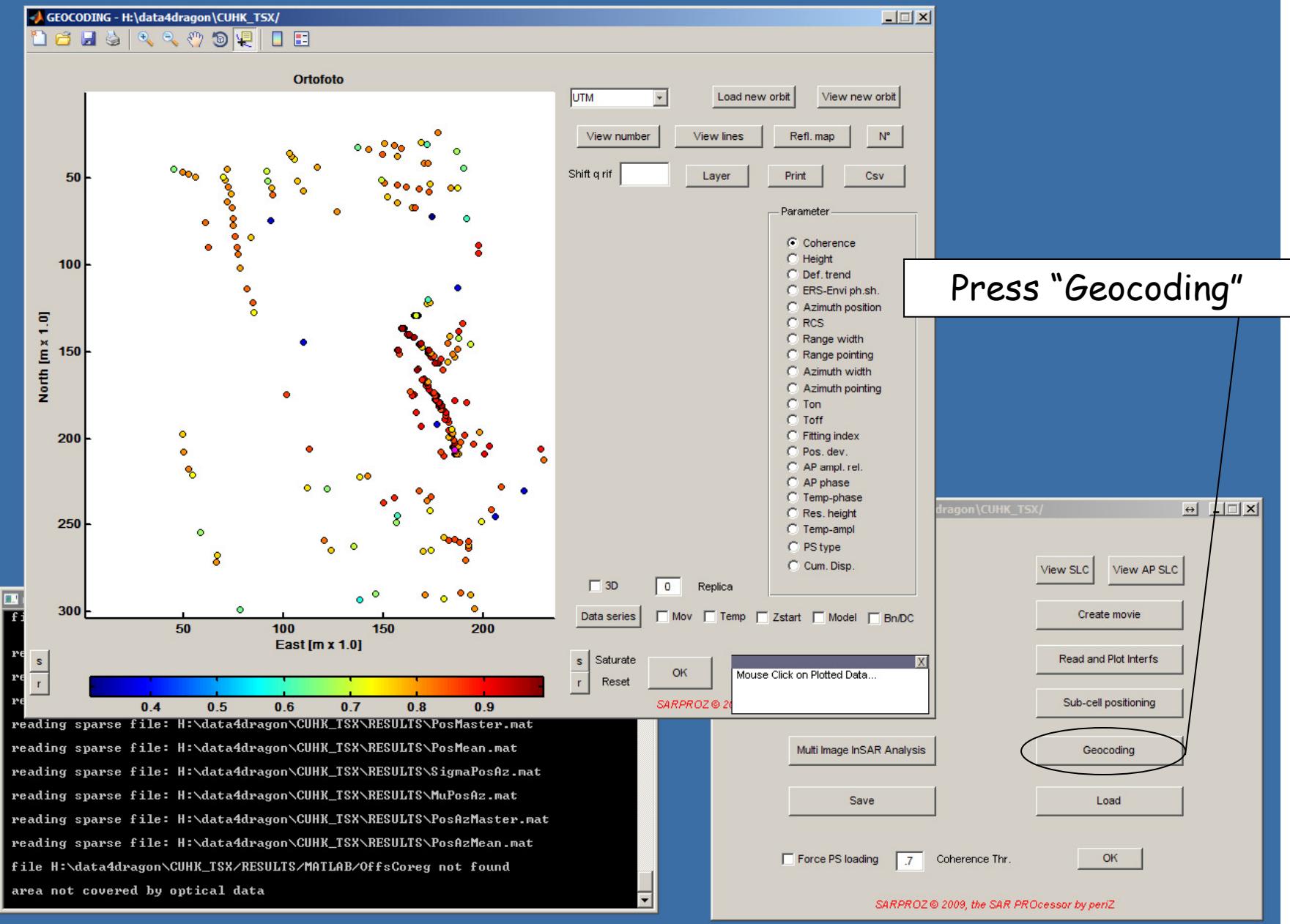
InSAR Practical-SARPROZ-D.Perissin

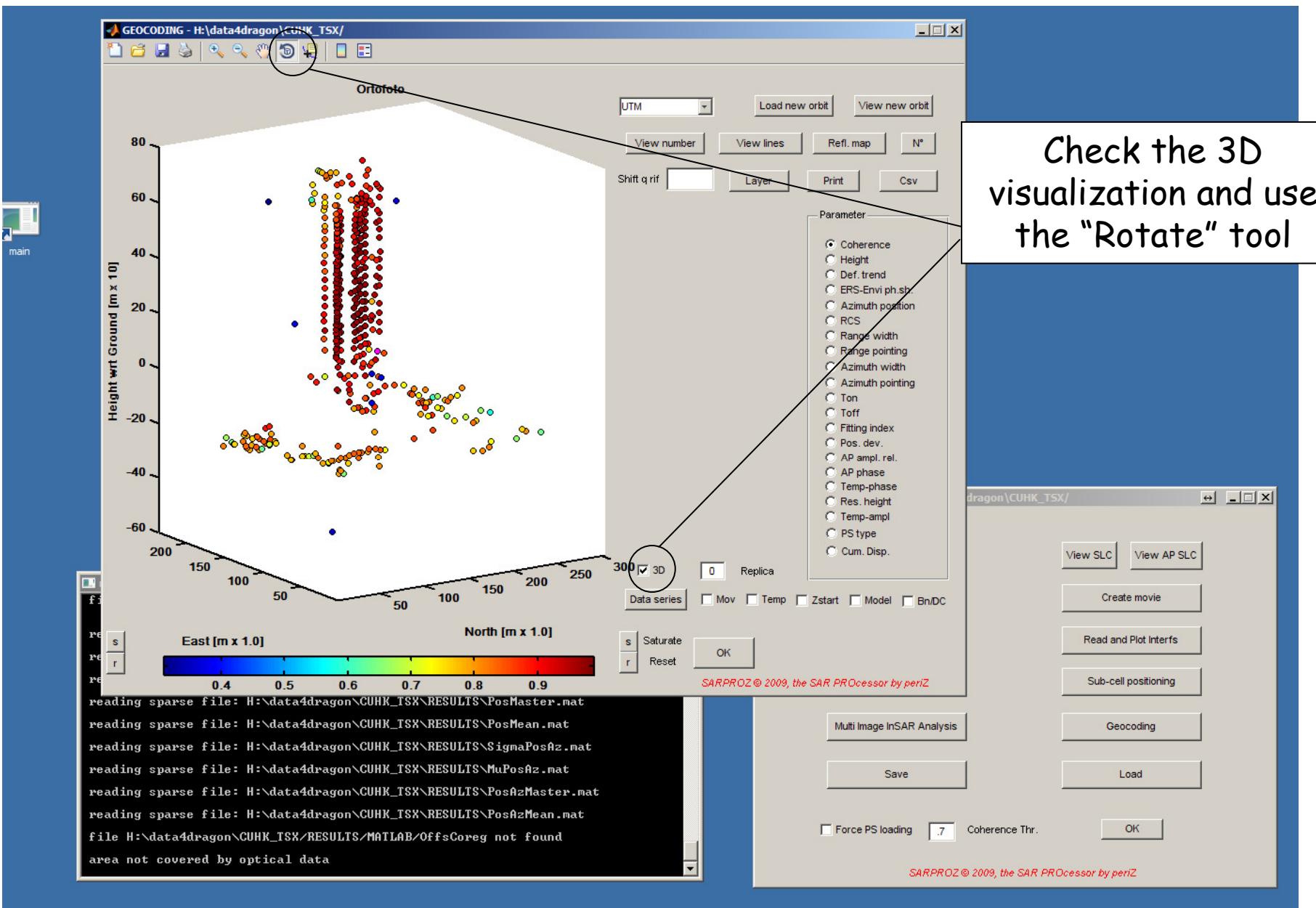
6/53

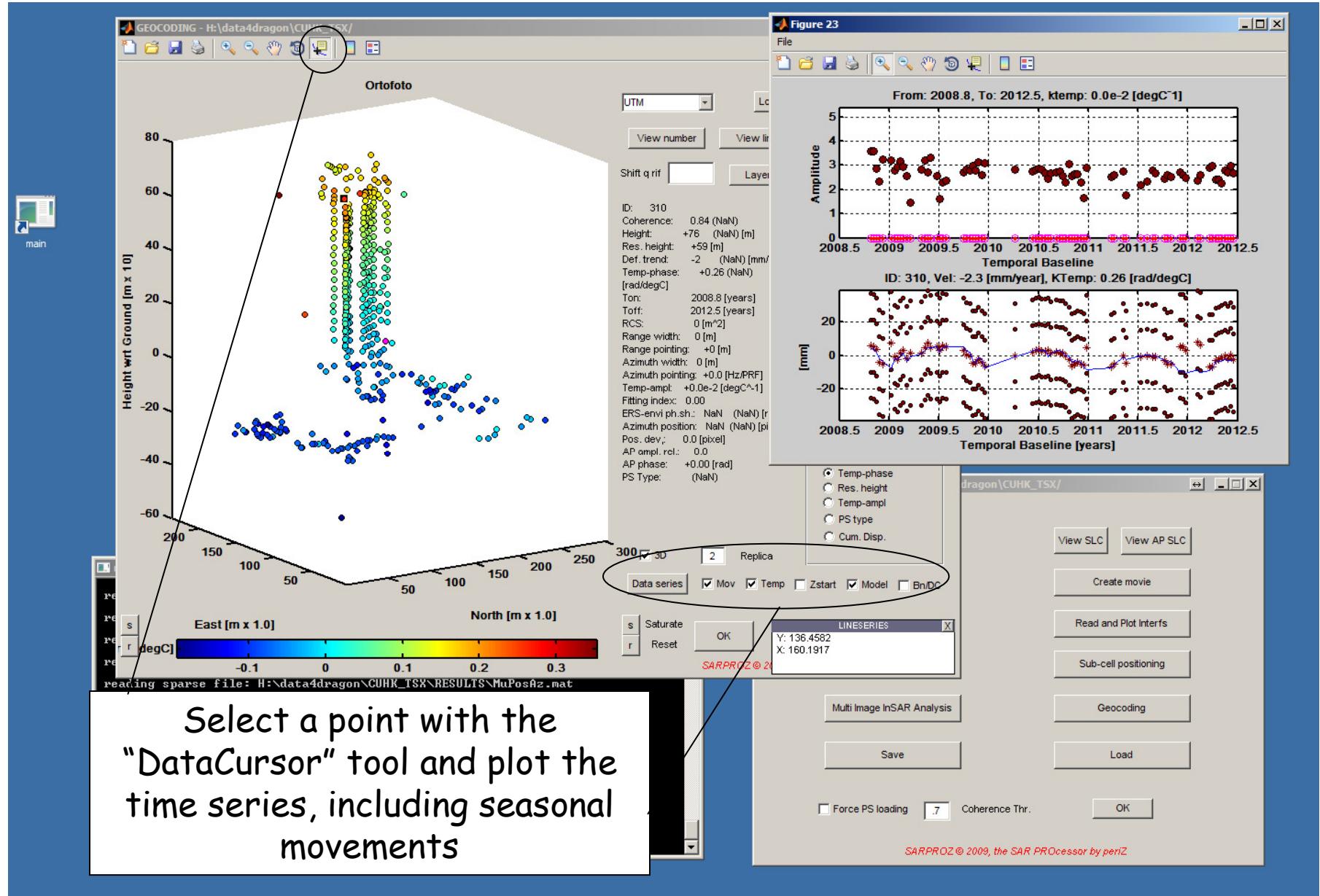


The results









Assignments:

- 1) Carry out a PS analysis using the data stored in the file "examples3.mat" in the CUHK_TSX site. Comment the results
- 2) Use the "InSAR" module to look at interferograms in the CUHK_TSX site, "examples2.mat". Which signals can be observed from interferograms only?
- 3) What would be the result of a PS analysis in the ALOS_TIBET site? You can try and comment the result.