Preliminary analysis of training data for SAR interferometry

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EORC/NASDA released a set of CD-ROMs 'JERS-1 SAR Training Data Set for SAR Interferometry 1 and 2 (1998)'. Each of CD-ROM contained a pair of JERS-1 SAR phase preserved SLC (Single Look Complex) data for SAR interferometry.The data were collected from the area around Mt. Fuji, Japan. We carried out preliminary analysis by using a personal computer.Simple linear distribution of phase on each image was assumed for simulation of fringes caused by difference in satellite position. Graphical method was applied for inspection of obtained fringes in relation to surface topography. This approach is effective for analysis of rather small area (about 20 km x 20 km). However, other kind of procedure is required for study in larger area.