

PALSAR-2, RADARSAT-2, TerraSAR-X SLC Products Georeferencing using GITASAR

1. GITASAR software installation on PC

- 1.1 Install all software under “need_install” folder.
- 1.2 Add the path of GITASAR to Windows 7/10 “Environment Variables”.

2. PALSAR-2, RADARSAT-2, TerraSAR-X SLC Products Processing

- 2.1 Prepare a DEM. DEM must be in ENVI format (i.e. .bin and a header file) and the data type
- 2.2 Open “gitaUI.exe” in the GITASAR folder.
- 2.3 Open “ALOS2” or “RADARSAT-2” or “TerraSAR-X COSAR” in “SAR Import” .
- 2.4 Export the SLC data.
- 2.5 If you want to intensity data, open “Complex to Real” in “SAR Basics”.
- 2.6 For despeckling, open “Multilook” in “SAR Basics”.
- 2.7 For geocorrection, open “SAR Geometry” in “SAR Correction”. Input the exported metadata (.xml), DEM (ENVI format), exported SAR data (if the multilook has been performed, input the looks in azimuth and range you used), and a designated resolution (degrees) and output folder.

3. Other modules: Have fun with other modules too.

Please contact me if you have more issues. ([Xiaodong Huang, xhuang@appliedgeosolutions.com](mailto:xhuang@appliedgeosolutions.com)), and have fun!