

AMSTer : SAR & InSAR Automated Mass processing Software for Multidimensional Time series

Nicolas d'Oreye^{1,2}, Dominique Derauw^{3,4}, Sergey Samsonov⁵,
Delphine Smittarello¹, Maxime Jaspard¹, Gilles Celli¹

ndo@ecgs.lu
amster@ecgs.lu



1 European Centre for Geodynamics and Seismology (ECGS), 19 rue Josy Welter, L-7256 Walferdange, Luxembourg

2 National Museum of Natural History (NMNH), 19 rue Josy Welter, L-7256 Walferdange, Luxembourg

3 Centre Spatial de Liège (CSL), Avenue du Pré Aily, B-4031 Angleur, Belgium

4 SAREOS, 1 Rue des Violettes, 4557 Fraiture, Belgium

5 Canada Centre for Mapping and Earth Observation, Natural Resources Canada (NRCAN), 560 Rochester Street, Ottawa, ON K1A 0E4, Canada

List of typical problems encountered:

- ✓ Definition of **state variables** (path to disks...) → see installer
- ✓ Files not at the expected place (.../1650/1650/....) → see installer
- ✓ Data are not available (empty or missing parts) → see raw data location and reader
- Process launched with a [LaunchMTparameters.txt](#) that was not the modified one → need to practice
- Wrong parameters in [LaunchMTparameters.txt](#) → need to practice
- Conflict with libraries installed by other tools on computer → check .bashrc

Recommendations

- Read carefully the manuals
- Keep the structure as close as the original one as possible

In case of problem (what could possibly go wrong though?):

- Read carefully the error message
- When it says that it can't find a file, see path where it is expected and compare with your installation.
- Read the header and at least the beginning of the script to see what are the expected parameters
- Be sure that there is no hard coded lines in script
- Segmentation fault usually means a problem with AMSTer Engine:
 - either a bug (rather call it a *"new case encountered"*), or more probably
 - a corrupted data
 - a wrong command/parameter(s)

Tips

- Open terminal and File Managers as small windows → drag and drop files (or use AMSTer Organizer)
- Use text editor with "compare" functionality
- Read the "location of directories" support provided in [AMSTer_Conventions_SUMMARIES.pptx](#)
- Error tracking: remember that AMSTer Toolbox outputs start with " //". Other lines are either output from AMSTer Engine, cpxfiddle etc... or ... warnings and errors !