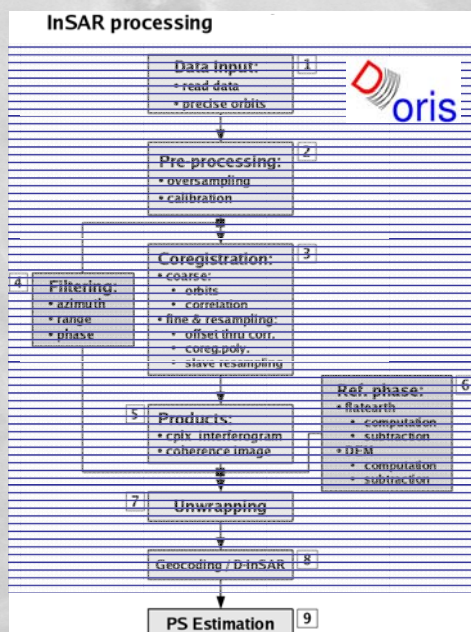


Delft Object-oriented Radar Interferometric Software

What is Doris?

- Doris is open source software for radar interferometric (InSAR) processing.
- Doris is used by universities, governments, private companies and non-profit organizations around the world.

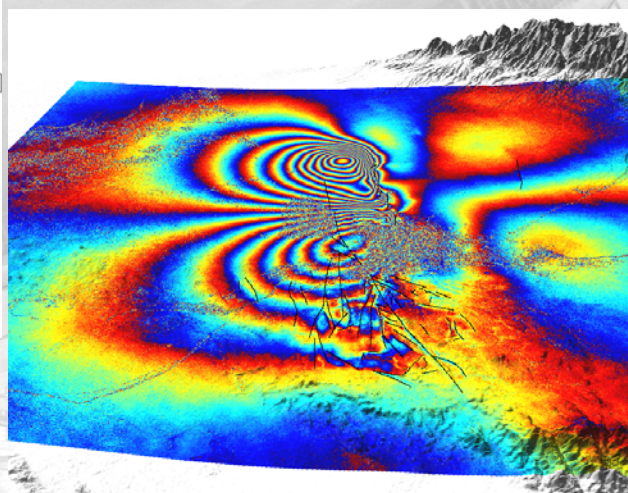


Features:

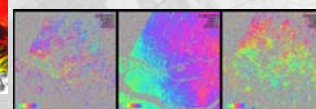
- Doris runs on popular platforms (Linux/Unix, Windows, Solaris).
- Supported sensors: ERS-1, ERS-2, Envisat, JERS, Radarsat.
- Technology: C++, FFTW, LAPACK, XV, GV.
- Documentation: manual and online Doris help page.
- Community: mailing list for Doris discussions and announcements.

Large datasets:

- Persistent Scatterer analysis uses time series of 30 – 100 acquisitions.
- Full interferometric processing demands several 100 Gb's storage capacity.



BAM earthquake: each color cycle corresponds with 2.8 cm deformation (radar line-of-sight).



Future plans:

- Accommodate for new satellite missions (ALOS, Terrasar-X, RadarSAT-2).
- Performance optimization (multi-threading and full parallelization).

Computer cluster:

- Performance of parallel processing tasks.
- 30 CPUs in total.
- CPU power: 30 x P4 3.2 Ghz.
- RAM: 30 x 1Gb.
- Hard Disk space: 30Tb.



Current release and further information:

- <http://enterprise.lr.tudelft.nl/doris>
- License: Doris is released under the terms of the GNU GPL License. Please consult the license for full details.

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