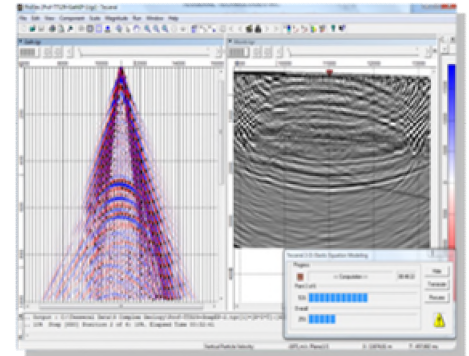
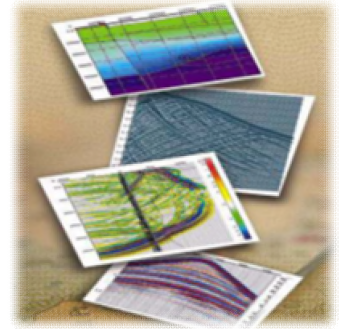




➤ *From full-wave modeling of complex structures to pre-stack depth migration*

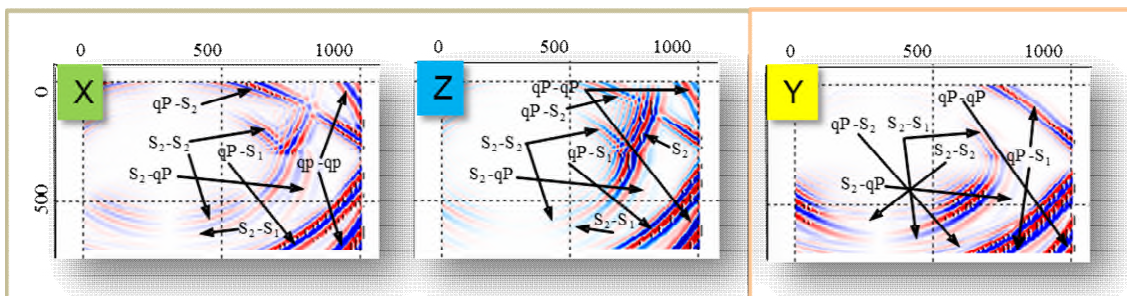
Software Package Tesseral 2D

- ✓ **Easy to learn tool** at starting working on different projects and including **seismic modeling of geological cross-sections**.
- ✓ Application allows assigning different seismic acquisition geometries, numerical model building of complex seismic sections **and modeling propagation of seismic waves in heterogeneous medium for the scalar, acoustic, elastic, elastic anisotropic and visco-elastic wave equations**.
- ✓ Obtained wave fields can be processed, directly within the software, to obtain **seismic images** with the help of different modifications of the **time and depth migration**.
- The software package Tesseral 2D is intended for the **interactive analysis and examination of depth-velocity models** and it easy fits into the **survey planning, processing and interpretation of seismic data**.
- ✓ It is widely used as an educational tool in the **study of wavefield propagation phenomena, and training** in survey planning, processing and interpretation of seismic data.
- ✓ Algorithms use **fast and accurate computational scheme** based on the finite difference method, which allows effective modeling of arbitrarily complex geological medium, including the combination of solid and liquid state bodies. All modeling computations use **capabilities of parallelization on available CPUs, cores and GPUs**.
- ✓ Generated **2D-2C and 2D-3C shotgathers and wavefield snapshots** contain **all features of real seismic records**, like: surface waves, diffracted, refracted, reflected, converted, multiple etc.



2D-2C

2D-3C



- The following software variants are available: **Windows Standalone, Windows Network and Linux Cluster**.